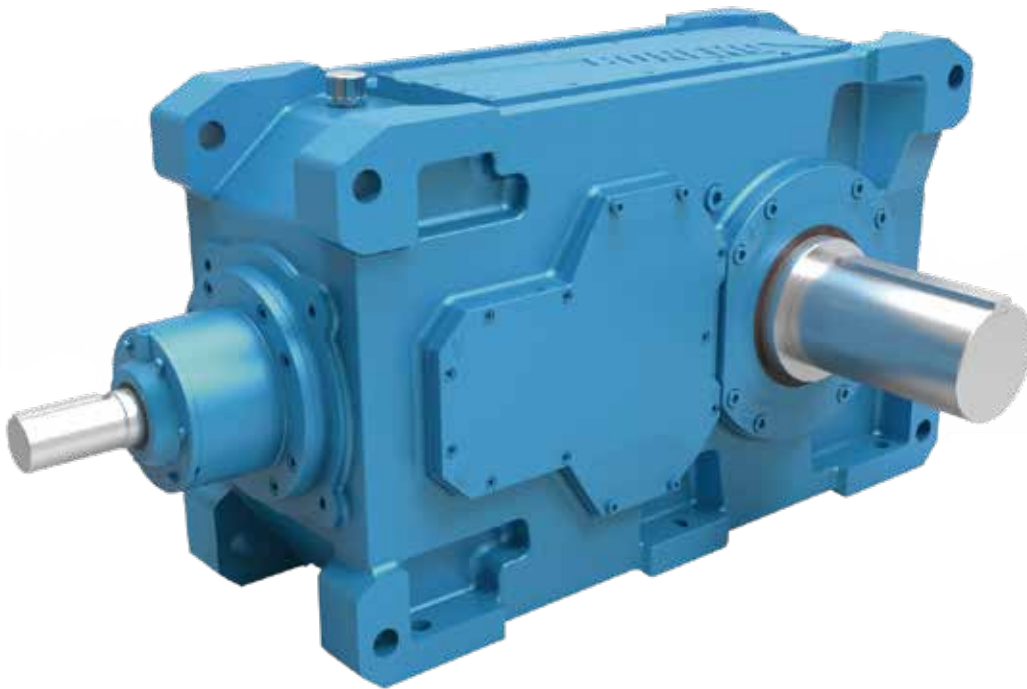


# ***BONENG***

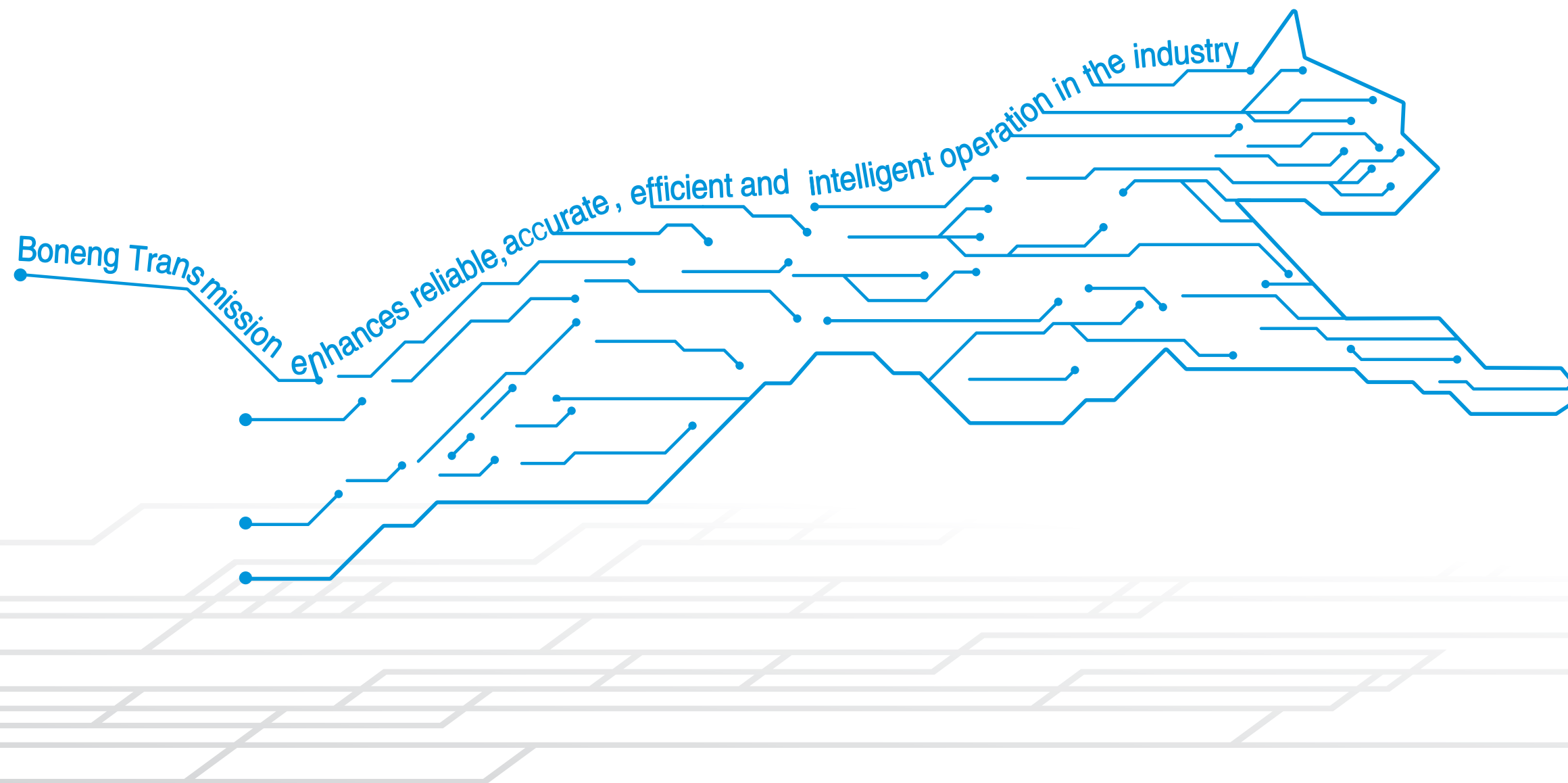


**H斜齿齿轮箱&B  
锥齿-斜齿齿轮箱**

**H Helical Gearbox & B  
Bevel-helical Gearbox**

Edit date 05/2024  
Selection Catalogue: C05.0029

## **Boneng Transmission**



控制器/驱动器/马达/  
齿轮马达/齿轮箱

Controller/ Drive/ Motor/  
Gearmotor/ Gearbox

## H斜齿齿轮箱&B 锥齿-斜齿齿轮箱



## H Helical Gearbox & B Bevel-helical Gearbox



博能公司在总结二十余年齿轮箱设计制造经验，分析和吸收国际上重载齿轮箱设计制造先进技术的基础上，创新发展，推出新型H&B重载齿轮箱，以更好满足客户要求。同国际上先进的重载齿轮箱和博能公司原有H&B工业齿轮箱相比，博能公司新型H&B重载齿轮箱具有：

On the basis of summarizing gearbox design and manufacturing experiences in the past twenty years, analyzing and absorbing advanced technology of international heavy duty gearbox production, Boneng transmission makes innovative development, pushing forward the new type H&B heavy duty gearbox to better satisfy customer requirements. Compared with internationally advanced gearbox and the original H&B industrial gearbox of Boneng, the new type H&B heavy duty gearbox have the following characteristics:

- ◆ 独创的模块化设计，零部件通用最大化，便于国际化生产，库存少，供货周期短。
- ◆ 独创的模块化设计，功能附件的配置互换程度高，能灵活满足客户设备要求的各种结构及布置形式和不同的使用工况。
- ◆ 传动轴系折线布置，齿轮箱在相同体积下，传动中心距加大，承载能力更强。
- ◆ 齿轮副啮合重合度增大，传动更平稳，噪声更低。
- ◆ 通过拟生态的外观设计，赋予产品运动和力量的天性内涵，体现了博能公司世界级的卓越产品设计理念，并拥有自主知识产权。
- ◆ 箱体框架式的受力结构设计，整体更强劲，底脚更牢固。
- ◆ 改进了冷却风扇和冷却盘管的设计，能更有效降低齿轮箱运行时温度。
- ◆ 输出部分轴封采用双油封密封，密封更可靠，适用工况更广泛。

- ◆ Unique modular design, general applications of components are maximized, which is convenient for international production. Storage quantity is small, supplement circle is short.
- ◆ Unique modular design, allocation exchange degree of functional attachments flexibly satisfy various kinds of required structures, arrangement form and different working situations of customer equipment.
- ◆ Transmission shaft is in line layout, under the same volume, transmission central distance is larger, bearing capacity is larger.
- ◆ Wheel pair meshing contact ratio increases, transmission is more stable, noise is lower.
- ◆ The appearance design shows world-wide product design idea of Boneng Transmission, it owns intellectual property rights. Frame type load-carrying structure design, the whole structure is stronger, footing is more fastened. Improved cooling fan and cooling coil design can effectively reduce the temperature during gearbox running.
- ◆ Output shaft sealing applies double oil sealing, the sealing is more reliable, the applications are wider.



在煤炭、电力、石油、冶金、水泥、港口、起重运输行业，博能公司高品质、长寿命的新型齿轮箱都能满足您的要求。

In all industry, all technology team and sales of BONENG will offer best technical solution and best service to you.



### 注意事项：

- ◆ 样本中的结构示意图、外形图及其他附图只属范例，无严格比例要求。（未注尺寸单位均为mm）。
- ◆ 所注重量仅为平均值，并不具有约束力。

### ⚠ 必须严格遵守以下各项：

- ◆ 为防止意外事故发生，所有旋转部件均按照使用者所在国家和地区的安全规范由购置方加罩保护。
- ◆ 试车之前必须认真阅读使用说明书。
- ◆ 齿轮箱在供货时已处于准运行状态，运行前需加注润滑油。
- ◆ 本样本中注油量只作为参考值，实际注油量应以油尺上的标记为准。
- ◆ 润滑油粘度应按齿轮箱使用工况及使用环境温度选取。
- ◆ 推荐采用知名品牌的润滑油。

### 产品功能标识



油 镜



通气帽



进油孔



放油孔

### 注意事项：

- ◆ The structure scheme, appearance diagram and other attached diagrams in sample are examples, there is no strict proportion requirement. (The unmarked dimension units are mm).
- ◆ We can only refer to the marked weight in the manual.

### ⚠ You must conform to the following instructions

- ◆ To prevent accidents, all the rotation parts should be added with protective covers according to local safety regulations and laws.
- ◆ Before testing, users should read instruction manual carefully.
- ◆ Gearbox has been tested before delivered, users should add lubrication oil before running.
- ◆ We can only refer to the marked oil in the manual. Actual oil filling level should be the same with the mark on oil immersion lens.
- ◆ Lubrication oil viscosity should be selected according to working conditions and the temperature of local environment.
- ◆ Users can only use high quality lubrication oil.

### Product Function Mark



Oil glass



Breather



Oil filler



Oil drain

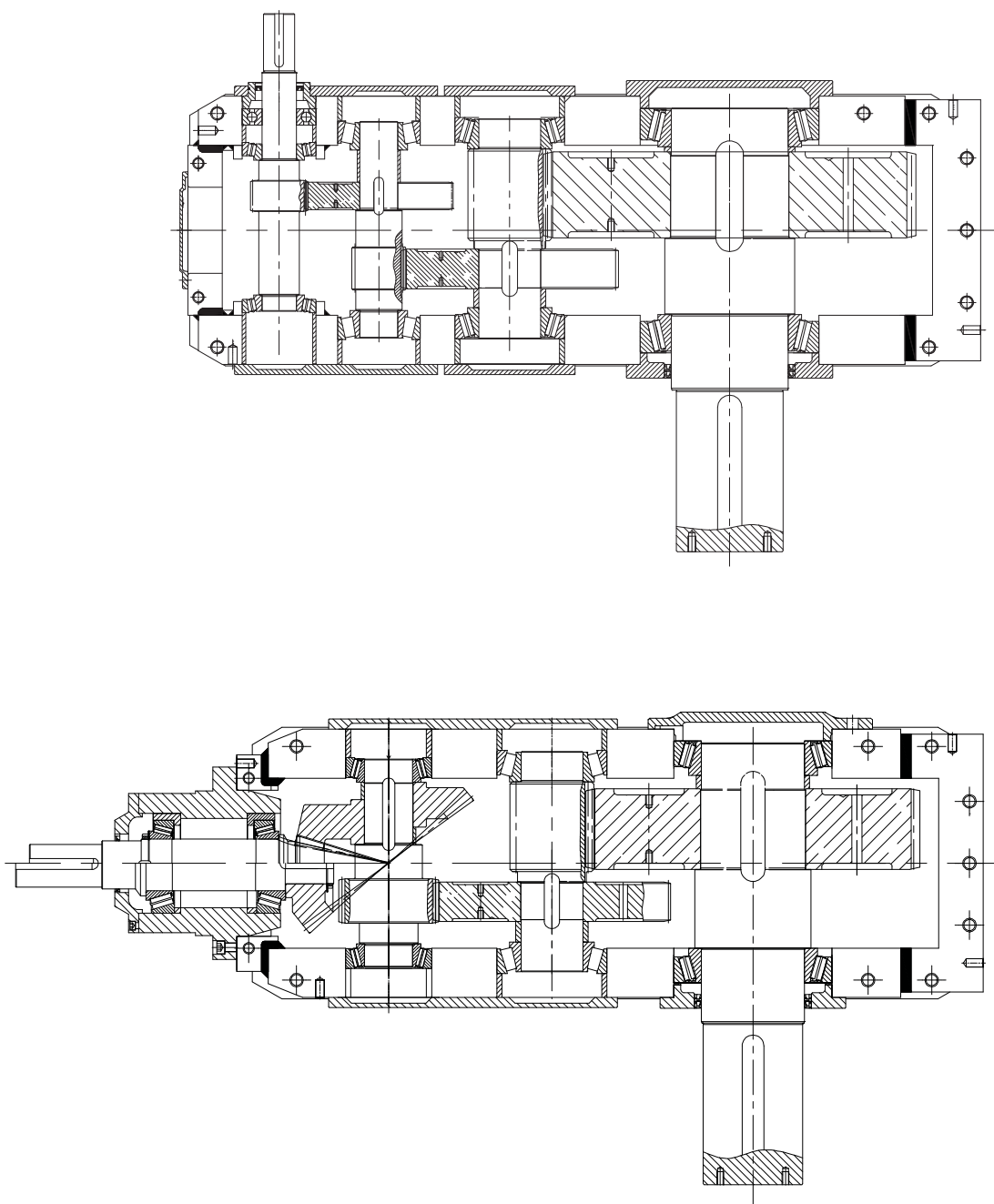
# 目 录

# Contents

|                    |     |                             |     |
|--------------------|-----|-----------------------------|-----|
| 01.结构示意图 .....     | 001 | 01.Structure scheme ....    | 001 |
| 02.安装形式 .....      | 002 | 02.Mounting mode .....      | 002 |
| 03.选型 .....        | 003 | 03.Selection .....          | 003 |
| 04.服务系数 .....      | 009 | 04.Service factors .....    | 009 |
| 05.常用代号说明 .....    | 013 | 05.Key to symbols .....     | 013 |
| 06.选型举例 .....      | 014 | 06.Selection example ...    | 014 |
| 07.传动能力表 .....     |     | 07.Transmission             |     |
| .....              | 015 | capacity table .....        | 015 |
| 08.额定热容量表 .....    |     | 08.Rated thermal            |     |
| .....              | 051 | capacity table .....        | 051 |
| 09.输出轴允许的附加径向力 ... |     | 09.Permissible              |     |
| .....              |     | additional radial force     |     |
| .....              | 087 | on output shaft .....       | 087 |
| 10.布置形式 .....      | 089 | 10.Shaft assemblies ....    | 089 |
| 11.外形尺寸 .....      | 094 | 11.Outline dimension ...    | 094 |
| 12.轴端中心孔 .....     | 123 | 12.Shaft end centre hole... | 123 |
| 13.平键与键槽尺寸 .....   |     | 13.Dimension of             |     |
| .....              |     | parallel key and            |     |
| .....              | 124 | keyway .....                | 124 |
| 14.建议输出联结尺寸图表 ...  |     | 14.Suggested output         |     |
| .....              | 125 | connection dimensions..     | 125 |
| 15.法兰输入和电机输入 ..... | 131 | 15.Input with motor         | 131 |
| .....              |     | and flange input .....      |     |
| 16.附件 .....        | 139 | 16.Accessory .....          | 139 |

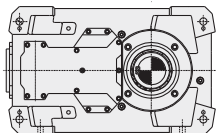
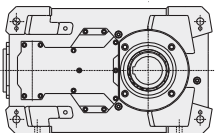
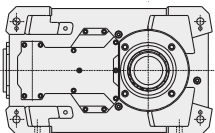
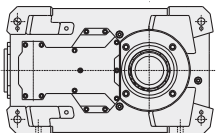
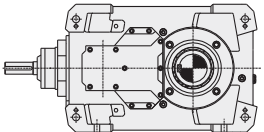
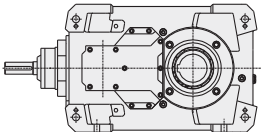
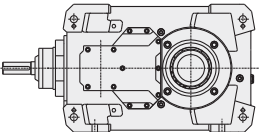
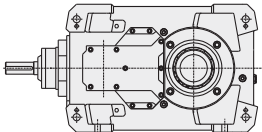
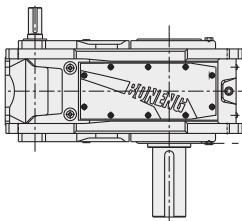
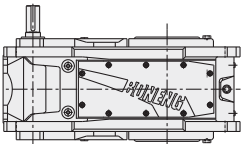
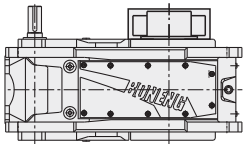
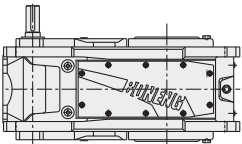
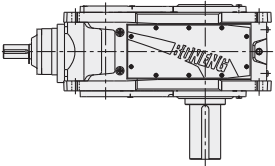
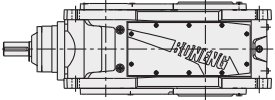
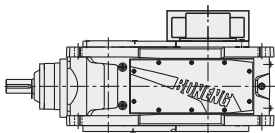
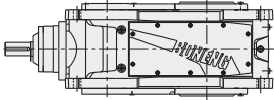
**1 结构示意图**

**1 Structure scheme**



## 2 安装形式

## 2 Mounting positions

| 卧式安装                      |                                                                                               | Horizontal mounting                                                                           |                                                                                                |                                                                                                 |
|---------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|                           | Solid shaft                                                                                   | Hollow shaft                                                                                  | Hollow shaft with shrink disk                                                                  | Hollow shaft with involute spline                                                               |
| H series<br>5.6-450       | <br>H...HS   | <br>H...HH   | <br>H...HD   | <br>H...HK   |
| B series<br>6.3-400       | <br>B...HS  | <br>B...HH  | <br>B...HD  | <br>B...HK  |
| 立式安装                      |                                                                                               | Vertical mounting                                                                             |                                                                                                |                                                                                                 |
|                           | Solid shaft                                                                                   | Hollow shaft                                                                                  | Hollow shaft with shrink disk                                                                  | Hollow shaft with involute spline                                                               |
| H series<br>iN= 5.6 - 450 | <br>H...VS | <br>H...VH | <br>H...VD | <br>H...VK |
| B series<br>iN= 6.3 - 400 | <br>B...VS | <br>B...VH | <br>B...VD | <br>B...VK |

### 3 选型

| 序号 | 说明                       | 代号                                                                   | 参数计算                                                                                                                                                                                                                                                                                                                                                                                                   |                |                                                                |      |                |      |
|----|--------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------|------|----------------|------|
| 1  | 被驱动设备系数                  | f <sub>1</sub>                                                       | 见05页f <sub>1</sub> 表                                                                                                                                                                                                                                                                                                                                                                                   |                |                                                                |      |                |      |
| 2  | 原动机系数                    | f <sub>2</sub>                                                       | 原动机                                                                                                                                                                                                                                                                                                                                                                                                    |                |                                                                |      | f <sub>2</sub> |      |
|    |                          |                                                                      | 电机、液压马达、汽轮机                                                                                                                                                                                                                                                                                                                                                                                            |                |                                                                |      | 1.0            |      |
|    |                          |                                                                      | 4-6缸活塞发动机，周期变化1：100至1：200                                                                                                                                                                                                                                                                                                                                                                              |                |                                                                |      | 1.25           |      |
|    |                          |                                                                      | 1-3缸活塞发动机，周期变化1：100                                                                                                                                                                                                                                                                                                                                                                                    |                |                                                                |      | 1.5            |      |
| 3  | 齿轮箱可靠度系数                 | S <sub>F</sub>                                                       | 见04页S <sub>F</sub> 表                                                                                                                                                                                                                                                                                                                                                                                   |                |                                                                |      |                |      |
| 4  | 输入与输出轴关系                 | H、B                                                                  | 平行选H系列，垂直选B系列                                                                                                                                                                                                                                                                                                                                                                                          |                |                                                                |      |                |      |
| 5  | 齿轮箱传动效率                  | η                                                                    | 二级:96%，三级:94%，四级:92%                                                                                                                                                                                                                                                                                                                                                                                   |                |                                                                |      |                |      |
| 6  | 输入转速                     | n <sub>1</sub>                                                       | ≤1800r/min 更高转速敬请垂询                                                                                                                                                                                                                                                                                                                                                                                    |                |                                                                |      |                |      |
| 7  | 确定减速比                    | i                                                                    | i=n <sub>1</sub> /n <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                       |                |                                                                |      |                |      |
| 8  | 以被驱动设备所需的扭矩或功率，确认齿轮箱输入功率 | P <sub>1</sub>                                                       | P <sub>1</sub> =T <sub>2</sub> •n <sub>1</sub> /（9550•i•η）或 P <sub>1</sub> =P <sub>2</sub> /η                                                                                                                                                                                                                                                                                                          |                |                                                                |      |                |      |
| 9  | 根据计算，查传动能力表，确认齿轮箱输入功率    | T <sub>2N</sub> 、P <sub>1N</sub>                                     | T <sub>2N</sub> ≥T <sub>2</sub> •f <sub>1</sub> •f <sub>2</sub> •S <sub>F</sub> 或 P <sub>1N</sub> ≥P <sub>1</sub> •f <sub>1</sub> •f <sub>2</sub> •S <sub>F</sub><br>如果不满足条件：3.33•P <sub>1</sub> ≥P <sub>1N</sub> ，敬请垂询。                                                                                                                                                                               |                |                                                                |      |                |      |
| 10 | 峰值扭矩校核*                  | T <sub>A</sub>                                                       | P <sub>1N</sub> ≥T <sub>A</sub> •n <sub>1</sub> •f <sub>3</sub> /9550                                                                                                                                                                                                                                                                                                                                  | f <sub>3</sub> | 每小时峰值负荷次数                                                      |      |                |      |
|    |                          |                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                        |                | 1-5                                                            | 6-30 | 31-100         | >100 |
|    |                          |                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                        | 单向载荷           | 0.5                                                            | 0.65 | 0.7            | 0.85 |
|    |                          |                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                        | 交变载荷           | 0.7                                                            | 0.95 | 1.10           | 1.25 |
| 11 | 选定连接安装和附件后、校核轴许用强度       | F <sub>r1</sub> /F <sub>r2</sub><br>F <sub>a1</sub> /F <sub>a2</sub> | 当输入、输出轴为皮带轮、链轮或齿轮等明显有附加径向力传动时，必须校核径向力（见23页）                                                                                                                                                                                                                                                                                                                                                            |                |                                                                |      |                |      |
| 12 | 确认润滑方式、选择润滑油             |                                                                      | 卧式安装                                                                                                                                                                                                                                                                                                                                                                                                   |                | 立式安装                                                           |      |                |      |
|    |                          |                                                                      | 可供选择的润滑方式：<br>1）飞溅润滑<br>2）浸油润滑<br>3）强制润滑<br>轴端泵润滑<br>电机油泵润滑<br>用户必备稀油站润滑                                                                                                                                                                                                                                                                                                                               |                | 可供选择的润滑方式：<br>1）浸油润滑<br>2）强制润滑<br>轴端泵润滑<br>电机油泵润滑<br>用户必备稀油站润滑 |      |                |      |
| 13 | 确认冷却方式                   |                                                                      | 1) 如满足以下条件，则齿轮箱不带辅助冷却装置。<br>P <sub>1</sub> ≤P <sub>GA</sub> ×f <sub>4</sub> ×f <sub>8</sub><br>2) 如满足以下条件，则齿轮箱带冷却风扇可满足要求。<br>P <sub>1</sub> ≤P <sub>GB</sub> ×f <sub>4</sub> ×f <sub>8</sub><br>3) 如满足以下条件，则齿轮箱带水油式冷却器可满足要求。<br>P <sub>1</sub> ≤P <sub>GD</sub> ×f <sub>5</sub> ×f <sub>8</sub><br>4) 另外齿轮箱可配置其他冷却附件：<br>风冷却器及用户可以自己配置稀油站提供循环冷却油（f <sub>4</sub> 、f <sub>5</sub> 、f <sub>8</sub> 见04页）。 |                |                                                                |      |                |      |
| 14 | 按型号表示方法确定各项              |                                                                      | 型号表示方法见02页                                                                                                                                                                                                                                                                                                                                                                                             |                |                                                                |      |                |      |

\*峰值扭矩: 最大负载扭矩, 是指启动、制动或最大脉动载荷所引起的最大扭矩。(一般工况条件下峰值扭矩为启动或制动时的最大扭矩)

| 齿轮箱可靠度系数 $S_F$                              |                         |
|---------------------------------------------|-------------------------|
| 一般设备，齿轮箱失效后仅仅引起单机停产，并且更换零部件比较容易，损失较小。       | $1.0 \leq S_F \leq 1.3$ |
| 重要设备，齿轮箱失效后使生产线或者全场停工，停机事故损失比较大。            | $1.3 < S_F \leq 1.5$    |
| 高可靠度要求，齿轮箱失效后可能造成重大停产事故，造成极大的经济损失，以及人身生命事故。 | $1.5 < S_F$             |

| 环境温度系数 $f_4$    |                 |      |      |      |      |
|-----------------|-----------------|------|------|------|------|
| 不带辅助冷却装置或仅带冷却风扇 |                 |      |      |      |      |
| 环境温度            | 每小时工作周期（ED）百分比% |      |      |      |      |
|                 | 100             | 80   | 60   | 40   | 20   |
| 10℃             | 1.11            | 1.31 | 1.60 | 2.14 | 3.64 |
| 20℃             | 1.00            | 1.18 | 1.44 | 1.93 | 3.28 |
| 30℃             | 0.88            | 1.04 | 1.27 | 1.70 | 2.89 |
| 40℃             | 0.75            | 0.89 | 1.08 | 1.45 | 2.46 |
| 50℃             | 0.63            | 0.74 | 0.91 | 1.22 | 2.07 |

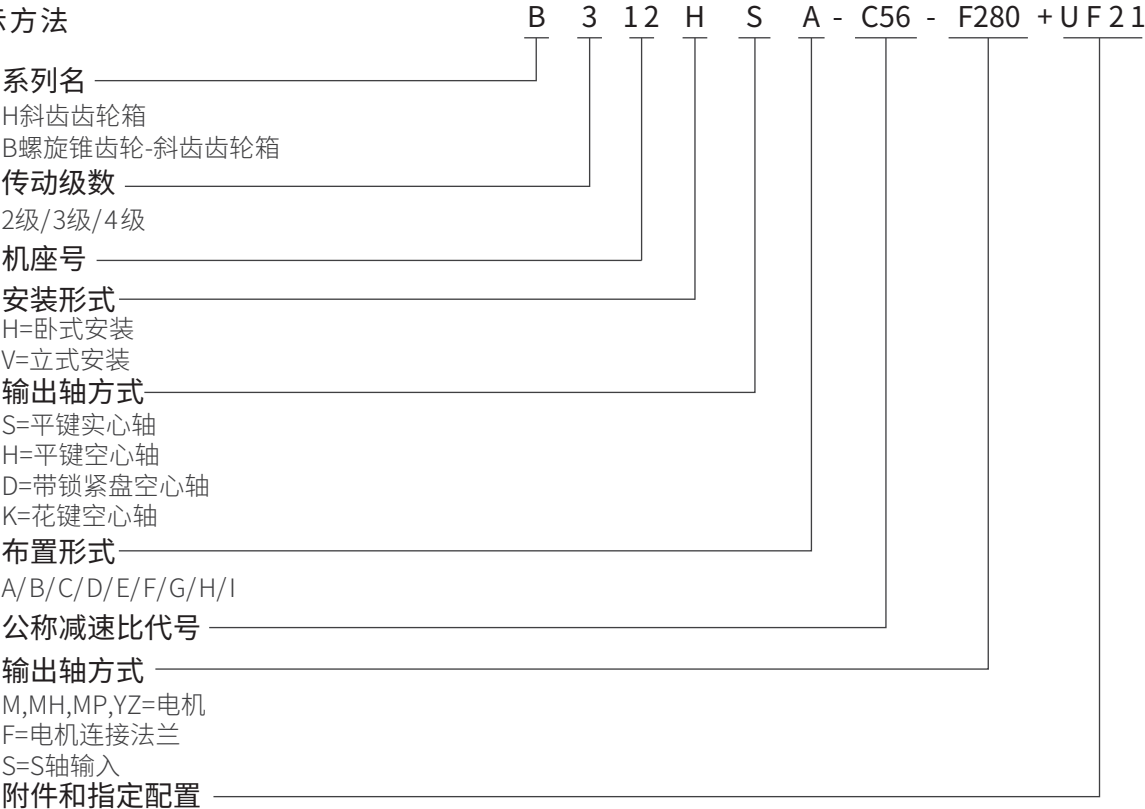
| 环境温度系数 $f_5$ |                 |      |      |      |      |
|--------------|-----------------|------|------|------|------|
| 带水油冷却器       |                 |      |      |      |      |
| 环境温度         | 每小时工作周期（ED）百分比% |      |      |      |      |
|              | 100             | 80   | 60   | 40   | 20   |
| 10℃          | 1.05            | 1.23 | 1.50 | 2.03 | 3.41 |
| 20℃          | 1.00            | 1.17 | 1.43 | 1.93 | 3.25 |
| 30℃          | 0.93            | 1.09 | 1.33 | 1.79 | 3.02 |
| 40℃          | 0.87            | 1.02 | 1.24 | 1.68 | 2.83 |
| 50℃          | 0.81            | 0.95 | 1.16 | 1.56 | 2.63 |

注：工作周期ED:  $ED = \frac{tf}{tf+tr} \cdot 100\%$   
tf: 带负载的工作时间; tr: 停歇时间。

| 立式安装齿轮箱供油系数。对于卧式安装齿轮箱 $f_8=1.0$ ；当采用强制润滑时， $f_8=1.05$ 。 $f_8$ |      |          |       |       |          |
|---------------------------------------------------------------|------|----------|-------|-------|----------|
| 齿轮箱类型                                                         | 供油方式 | 不带辅助冷却装置 | 带冷却风扇 | 带冷却盘管 | 带风扇和冷却盘管 |
| H2..V, H3..V<br>H4..V                                         | 浸油润滑 | 0.95     | *     | 0.95  | *        |
|                                                               | 强制润滑 | 1.15     | *     | 1.05  | *        |
| B2..V, B3..V<br>B4..V                                         | 浸油润滑 | 0.95     | 0.95  | 0.95  | 0.95     |
|                                                               | 强制润滑 | 1.15     | 1.10  | 1.10  | 1.10     |

\* 敬请垂询。

型号表示方法





### 3 Selection

| Serial | Definition                                                                                 | Symbol                                                               | Parameter calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                          |                                                                                                                                                                                |                |          |      |
|--------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|------|
| 1      | Driven equipment factor                                                                    | f <sub>1</sub>                                                       | Refer to page5 f1 table                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |                                                                                                                                                                                |                |          |      |
| 2      | Prime mover factor                                                                         | f <sub>2</sub>                                                       | Prime mover factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                                                                                                                                                                                | f <sub>2</sub> |          |      |
|        |                                                                                            |                                                                      | Motor, hydraulic motor, turbine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          |                                                                                                                                                                                | 1.0            |          |      |
|        |                                                                                            |                                                                      | 4 - 6 Cylinder piston engine, cyclic variation 1:100 to 1: 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |                                                                                                                                                                                | 1.25           |          |      |
|        |                                                                                            |                                                                      | 1 - 3 Cylinder piston engine, cyclic variation 1:100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |                                                                                                                                                                                | 1.5            |          |      |
| 3      | Gearbox safety factor                                                                      | S <sub>F</sub>                                                       | Refer to page4 sf table                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |                                                                                                                                                                                |                |          |      |
| 4      | Relation between input and output shafts                                                   | H、 B                                                                 | Parallel shaft select H series, right angle, select B series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                                                                                                                                                                |                |          |      |
| 5      | Transmission efficiency of gearbox                                                         | η                                                                    | 2 - stage:96%,3 - stage:94%,4 - stage:92%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                          |                                                                                                                                                                                |                |          |      |
| 6      | Input speed                                                                                | n <sub>1</sub>                                                       | ≤1800r/min For higher speed, please consult us.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          |                                                                                                                                                                                |                |          |      |
| 7      | Determination of ratio                                                                     | i                                                                    | i=n <sub>1</sub> /n <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |                                                                                                                                                                                |                |          |      |
| 8      | Confirm gearbox input power with torque or power needed by driven equipment.               | P <sub>1</sub>                                                       | P <sub>1</sub> =T <sub>2</sub> · n <sub>1</sub> /(9550 · i · η) or P <sub>1</sub> =P <sub>2</sub> / η                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                          |                                                                                                                                                                                |                |          |      |
| 9      | According to calculation, check transmission capacity table to determine gearbox size      | T <sub>2N</sub> 、<br>P <sub>1N</sub>                                 | T <sub>2N</sub> ≥T <sub>2</sub> · f <sub>1</sub> · f <sub>2</sub> · S <sub>F</sub> OR P <sub>1N</sub> ≥P <sub>1</sub> · f <sub>1</sub> · f <sub>2</sub> · S <sub>F</sub><br>If it doesn't satisfy conditions:3.33 · P <sub>1</sub> ≥P <sub>1N</sub> ,<br>Please consult us.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                          |                                                                                                                                                                                |                |          |      |
| 10     | Peak torque verification*                                                                  | T <sub>A</sub>                                                       | P <sub>1N</sub> ≥T <sub>A</sub> · n <sub>1</sub> · f <sub>3</sub> /9550                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | f <sub>3</sub>           | Load peaks per hour                                                                                                                                                            |                |          |      |
|        |                                                                                            |                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          | 1 - 5                                                                                                                                                                          | 6 - 30         | 31 - 100 | >100 |
|        |                                                                                            |                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Single direction loading | 0.5                                                                                                                                                                            | 0.65           | 0.7      | 0.85 |
|        |                                                                                            |                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Alternate loading        | 0.7                                                                                                                                                                            | 0.95           | 1.10     | 1.25 |
| 11     | After selecting connection mounting and accessories, check allowable strength of the shaft | F <sub>r1</sub> /F <sub>r2</sub><br>F <sub>a1</sub> /F <sub>a2</sub> | Radial load need to be checked when radial load imposed by belt pulley,chain sprocket and gear are present. (See page 23)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                          |                                                                                                                                                                                |                |          |      |
| 12     | Determine lubrication method, select lubrication oil                                       |                                                                      | Horizontal mounting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                          | Vertical mounting                                                                                                                                                              |                |          |      |
|        |                                                                                            |                                                                      | Lubrication methods for selection :<br>1) Splash lubrication<br>2) Dip - in lubrication<br>3) Forced lubrication<br>Shart end pump lubrication<br>Motor oil pump lubrication<br>Oil station lubrication                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          | Lubrication methods for selection :<br>1) Dip - in lubrication<br>2) Forced lubrication<br>Shart end pump lubrication<br>Motor oil pump lubrication<br>Oil station lubrication |                |          |      |
| 13     | Determine cooling method                                                                   |                                                                      | 1) If it satisfies the following condition, the gearbox will not be equipped with auxiliary cooling device. P <sub>1</sub> ≤ PGA × f <sub>4</sub> × f <sub>8</sub><br>2) If it satisfies the following condition, the gearbox will not be equipped with cooling fan. P <sub>1</sub> ≤ PGB × f <sub>4</sub> × f <sub>8</sub><br>3) If it satisfies the following condition, the gearbox will not be equipped with water - oil cooler. P <sub>1</sub> ≤ PGD × f <sub>5</sub> × f <sub>8</sub><br>4) Gearbox can be equipped with other cooling devides:air - oil cooler, water - oil cooler,users can equip petrol station by themselves to provide circulated cooling oil. (Refer to page 4 for f <sub>4</sub> 、 f <sub>5</sub> 、 f <sub>8</sub> ) |                          |                                                                                                                                                                                |                |          |      |
| 14     | Determine each item according to type designation                                          |                                                                      | Refer to page2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |                                                                                                                                                                                |                |          |      |

\*Peak torque:maximum loading torque means the maximum torque caused by starting,braking or maximum pulse loading. (Under common working conditions,peak torque is the maximum torque may occur when a machine starts or brakes)

| Gearbox safety factor $S_F$                                                                                                                                        |                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| For ordinary equipment, only single machine stops production when gearbox fails. easy to replace spare parts and minor loss occurred.                              | $1.0 \leq S_F \leq 1.3$ |
| For important equipment, the production line or the whole plant will stop production, when gearbox fails, great loss occurred, stopping accident loss is large.    | $1.3 < S_F \leq 1.5$    |
| High reliability requirement, it may cause heavy production stop accident, when gearbox fails, causing large economic loss and even may cause human life accident. | $1.5 < S_F$             |

| Thermal factor $f_4$                |                          |      |      |      |      |
|-------------------------------------|--------------------------|------|------|------|------|
| Gearbox without cooling or with fan |                          |      |      |      |      |
| Ambient temperature                 | Operating cycle per hour |      |      |      |      |
|                                     | 100                      | 80   | 60   | 40   | 20   |
| 10°C                                | 1.11                     | 1.31 | 1.60 | 2.14 | 3.64 |
| 20°C                                | 1.00                     | 1.18 | 1.44 | 1.93 | 3.28 |
| 30°C                                | 0.88                     | 1.04 | 1.27 | 1.70 | 2.89 |
| 40°C                                | 0.75                     | 0.89 | 1.08 | 1.45 | 2.46 |
| 50°C                                | 0.63                     | 0.74 | 0.91 | 1.22 | 2.07 |

| Thermal factor $f_5$              |                          |      |      |      |      |
|-----------------------------------|--------------------------|------|------|------|------|
| Gear unit with water - oil cooler |                          |      |      |      |      |
| Ambient temperature               | Operating cycle per hour |      |      |      |      |
|                                   | 100                      | 80   | 60   | 40   | 20   |
| 10°C                              | 1.05                     | 1.23 | 1.50 | 2.03 | 3.41 |
| 20°C                              | 1.00                     | 1.17 | 1.43 | 1.93 | 3.25 |
| 30°C                              | 0.93                     | 1.09 | 1.33 | 1.79 | 3.02 |
| 40°C                              | 0.87                     | 1.02 | 1.24 | 1.68 | 2.83 |
| 50°C                              | 0.81                     | 0.95 | 1.16 | 1.56 | 2.63 |

⚠ Note: Operating cycle ED:  $ED = \frac{tf}{tf+tr} \cdot 100\%$   
 tf: Working time with loading tr: Stop time.

| Vertical mounted gearbox oil supply factor . For horizontally mounted gearbox $f_8=1.0$ ; When forced lubrication applied, $f_8=1.05$ $f_8$ |                      |                                  |                  |                   |                           |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------|------------------|-------------------|---------------------------|
| Gearbox type                                                                                                                                | Oil supply method    | Without auxiliary cooling device | With cooling fan | With cooling coil | With fan and cooling coil |
| H2..V, H3..V<br>H4..V                                                                                                                       | Dip - in lubrication | 0.95                             | *                | 0.95              | *                         |
|                                                                                                                                             | Forced lubrication   | 1.15                             | *                | 1.05              | *                         |
| B2..V, B3..V<br>B4..V                                                                                                                       | Dip - in lubrication | 0.95                             | 0.95             | 0.95              | 0.95                      |
|                                                                                                                                             | Forced lubrication   | 1.15                             | 1.10             | 1.10              | 1.10                      |

\* Please consult us.

## Type designation

Series \_\_\_\_\_ B 3 12 H S A - C56 - F280 + U F 2 1  
 H helical gearbox  
 B bevel - helical gearbox  
 Number of Gear Stage \_\_\_\_\_  
 2 - stage/3 - stage/4 - stage  
 Size \_\_\_\_\_  
 Mounting Mode \_\_\_\_\_  
 H=Horizontal mounting  
 V=Vertical mounting  
 Output Shaft Mode \_\_\_\_\_  
 S=Solid shaft with parallel key  
 H=Hollow shaft with parallel key  
 D=Hollow shaft with shrink disc  
 K=Hollow shaft with involute spline  
 Shaft Assembly Code \_\_\_\_\_  
 A/B/C/D/E/F/G/H/I  
 Nominal Ratio Code \_\_\_\_\_  
 Input Part \_\_\_\_\_  
 MMHMPYZ=Motor  
 AF=AF Motor connection flange  
 S=Input shaft  
 Accessories and Specific Configuration \_\_\_\_\_

## 4 服务系数

## 4 Service Factors

| 表1        | Table 1                       | 被驱动<br>设备系数 | Factor for<br>driven machine                               |      |
|-----------|-------------------------------|-------------|------------------------------------------------------------|------|
| 被驱动设备     | Driven machines               | 日带载<br>运行时间 | Effective daily operating<br>period under load in<br>hours |      |
|           |                               | ≤ 2         | > 2-10                                                     | > 10 |
| 污水处理      | Waste water treatment         |             |                                                            |      |
| 浓缩器(中心传动) | Thickeners (central drive)    | -           | -                                                          | 1.2  |
| 压滤器       | Filter presses                | 1.0         | 1.3                                                        | 1.5  |
| 絮凝器       | Flocculation apparata         | 0.8         | 1.0                                                        | 1.3  |
| 曝气机       | Aerators                      | -           | 1.8                                                        | 2.0  |
| 搂集设备      | Raking equipment              | 1.0         | 1.2                                                        | 1.3  |
| 纵向、回转组    | Combined longitudinal         |             |                                                            |      |
| 合式接集装置    | and rotary rakes              | 1.0         | 1.3                                                        | 1.5  |
| 浓缩器       | Pre-thickeners                | -           | 1.1                                                        | 1.3  |
| 螺杆泵       | Screw pumps                   | -           | 1.3                                                        | 1.5  |
| 水轮机泵      | Water turbines Pumps          | -           | -                                                          | 2.0  |
| 离心泵       | Centrifugal pumps             | 1.0         | 1.2                                                        | 1.3  |
| 容积式泵      | Positive displacement pumps   |             |                                                            |      |
| 1个活塞      | 1 piston                      | 1.3         | 1.4                                                        | 1.8  |
| >1个活塞     | > 1piston                     | 1.2         | 1.4                                                        | 1.5  |
| 挖泥机       | Dredgers                      |             |                                                            |      |
| 斗式运输机     | Bucket conveyors              | -           | 1.6                                                        | 1.6  |
| 倾卸装置      | Dumping devices               | -           | 1.3                                                        | 1.5  |
| 履带式行走机构   | Carterpillar travelling gears | 1.2         | 1.6                                                        | 1.8  |
| 斗式挖掘机     | Bucket wheel excavators       |             |                                                            |      |
| 用于捡拾      | as pick-up                    | -           | 1.7                                                        | 1.7  |
| 用于粗料      | for primitive material        | -           | 2.2                                                        | 2.2  |
| 切碎机       | Cutter heads                  | -           | 2.2                                                        | 2.2  |
| 行走机构 *    | Traversing gears*             | -           | 1.4                                                        | 1.8  |
| 弯板机       | Plate bending machines        | -           | 1.0                                                        | 1.0  |
| 化学工业      | Chemical industry             |             |                                                            |      |
| 挤出机       | Extruders                     | -           | -                                                          | 1.6  |
| 调浆机       | Dough mills                   | -           | 1.8                                                        | 1.8  |
| 橡胶研光机     | Rubber calenders              | -           | 1.5                                                        | 1.5  |
| 冷却圆筒      | Cooling drums                 | -           | 1.3                                                        | 1.4  |
| 混料机,用于    | Mixers for                    |             |                                                            |      |
| 均匀介质      | uniform media                 | 1.0         | 1.3                                                        | 1.4  |
| 非均匀介质     | non-uniform media             | 1.4         | 1.6                                                        | 1.7  |
| 搅拌机, 用于   | Agitators for media with      |             |                                                            |      |
| 密度均匀介质    | uniform density               | 1.0         | 1.3                                                        | 1.5  |
| 不均匀介质     | non-uniform density           | 1.2         | 1.4                                                        | 1.6  |
| 不均匀气体吸收   | non-uniform gas absorption    | 1.4         | 1.6                                                        | 1.8  |
| 烘炉        | Toasters                      | 1.0         | 1.3                                                        | 1.5  |
| 离心机       | Centrifuges                   | 1.0         | 1.2                                                        | 1.3  |
| 金属加工设备    | Metal working mills           |             |                                                            |      |
| 翻板机       | Plate tilters                 | 1.0         | 1.0                                                        | 1.2  |
| 推钢机       | Ingot pushers                 | 1.0         | 1.2                                                        | 1.2  |
| 绕线机       | Winding machines              | -           | 1.6                                                        | 1.6  |
| 冷床横移架     | Cooling bed transfer frames   | -           | 1.5                                                        | 1.5  |
| 辊式矫直机     | Roller straighteners          | -           | 1.6                                                        | 1.6  |
| 辊道        | Roller tables                 |             |                                                            |      |
| 连续式       | continuous                    | -           | 1.5                                                        | 1.5  |
| 间歇式       | intermittent                  | -           | 2.0                                                        | 2.0  |
| 可逆式轧管机    | Reversing tube mills          | -           | 1.8                                                        | 1.8  |
| 剪切机       | Shears                        |             |                                                            |      |
| 连续式 *     | continuous*                   | -           | 1.5                                                        | 1.5  |
| 曲柄式 *     | crank type*                   | 1.0         | 1.0                                                        | 1.0  |
| 连铸机驱动装置   | Continuous casting drivers    | -           | 1.4                                                        | 1.4  |
| 轧机        | Rolls                         |             |                                                            |      |
| 可逆式开坯机    | Reversing blooming mills      | -           | 2.5                                                        | 2.5  |
| 可逆式板坯轧机   | Reversing slabbing mills      | -           | 2.5                                                        | 2.5  |
| 可逆式线材轧机   | Reversing wire mills          | -           | 1.8                                                        | 1.8  |
| 可逆式薄板轧机   | Reversing sheet mills         | -           | 2.0                                                        | 2.0  |
| 可逆式中厚板轧机  | Reversing plate mills         | -           | 1.8                                                        | 1.8  |
| 辊缝调节驱动装置  | Roll adjustment drives        | 0.9         | 1.0                                                        | -    |

| 表1          | Table 1                            | 被驱动设备系数    | Factor for driven machine                            |      |
|-------------|------------------------------------|------------|------------------------------------------------------|------|
| 被驱动设备       | Driven machines                    | 日带载运行时间    | Effective daily operating period under load in hours |      |
|             |                                    | ≤ 2        | > 2-10                                               | > 10 |
| 输送机械        | Conveyors                          |            |                                                      |      |
| 斗式输送机       | Bucket conveyors                   | -          | 1.4                                                  | 1.5  |
| 绞车          | Hauling winches                    | 1.4        | 1.6                                                  | 1.6  |
| 卷扬机         | Hoists                             | -          | 1.5                                                  | 1.8  |
| 皮带输送机≤150kW | Belt conveyors≤150kW               | 1.0        | 1.2                                                  | 1.3  |
| 皮带输送机≥150kW | Belt conveyors≥150kW               | 1.1        | 1.3                                                  | 1.4  |
| 货用电梯*       | Goods lifts*                       | -          | 1.2                                                  | 1.5  |
| 客用电梯*       | Passenger lifts*                   | -          | 1.5                                                  | 1.8  |
| 刮板式输送机      | Apron conveyors                    | -          | 1.2                                                  | 1.5  |
| 自动扶梯        | Escalators                         | 1.0        | 1.2                                                  | 1.4  |
| 轨道行走机构      | Rail travelling gears              | -          | 1.5                                                  | -    |
| 变频装置        | Frequency converters               | -          | 1.8                                                  | 2.0  |
| 往复式压缩机      | Reciprocating compressors          | -          | 1.8                                                  | 1.9  |
| 起重机械**      | Cranes**                           |            |                                                      |      |
| 回转机构*       | Slewing gears*                     |            | 1.4                                                  | 1.8  |
| 俯仰机构        | Luffing gears                      |            | 1.1                                                  | 1.4  |
| 行走机构        | Travelling gears                   |            | 1.6                                                  | 2.0  |
| 提升机构        | Hoisting gears                     |            | 1.1                                                  | 1.4  |
| 转臂式起重机      | Derricking jib cranes              |            | 1.2                                                  | 1.6  |
| 冷却塔         | Cooling towers                     |            |                                                      |      |
| 冷却塔风扇       | Cooling tower fans                 | -          | -                                                    | 2.0  |
| 风机（轴流和离心式）  | Blowers (axial and radial)         | -          | 1.4                                                  | 1.5  |
| 食品工业        | Food industry                      |            |                                                      |      |
| 蔗糖生产        | Cane sugar production              |            |                                                      |      |
| 甘蔗切碎机*      | Cane knives                        | -          | -                                                    | 1.7  |
| 甘蔗碾磨机       | Cane mills                         | -          | -                                                    | 1.7  |
| 甜菜糖生产       | Beet sugar production              |            |                                                      |      |
| 甜菜绞碎机       | Beet cossettes macerators,         | -          | -                                                    | 1.2  |
| 榨取机，机械制     | Extraction plants, Technical       |            |                                                      |      |
| 冷机、蒸煮机      | refrigerators, Juice boilers,      | -          | -                                                    | 1.4  |
| 甜菜清洗机       | Sugar beet washing machines,       |            |                                                      |      |
| 甜菜切碎机       | Sugar beet cutters                 | -          | -                                                    | 1.5  |
| 造纸机械        | Paper machines                     |            |                                                      |      |
| 各种类型***     | of all-kind***                     | -          | 1.8                                                  | 2.0  |
| 碎浆机驱动装置     | Pulper drives                      | On request |                                                      |      |
| 离心式压缩机      | Centrifugal compressors            | -          | 1.4                                                  | 1.5  |
| 索道缆车        | Cableways                          |            |                                                      |      |
| 运货索道        | Material ropeways                  | -          | 1.3                                                  | 1.4  |
| 往返系统空中索道    | To- and fro system aerial ropeways | -          | 1.6                                                  | 1.8  |
| T型杆升降机      | T-bar lifts                        | -          | 1.3                                                  | 1.4  |
| 连续索道        | Continuous ropeways                | -          | 1.4                                                  | 1.6  |
| 水泥工业        | Cement industry                    |            |                                                      |      |
| 混凝土搅拌机      | Concrete mixers                    | -          | 1.5                                                  | 1.5  |
| 破碎机*        | Breakers*                          | -          | 1.2                                                  | 1.4  |
| 回转窑         | Rotary kilns                       | -          | -                                                    | 2.0  |
| 管式磨机        | Tube mills                         | -          | -                                                    | 2.0  |
| 选粉机         | Separators                         | -          | 1.6                                                  | 1.6  |
| 辊压机         | Roll crushers                      | -          | -                                                    | 2.0  |

| 表1                                      | Table 1                                                                                                                         | 被驱动设备系数 | Factor for driven machine                            |      |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------|------|
| 被驱动设备                                   | Driven machines                                                                                                                 | 日带载运行时间 | Effective daily operating period under load in hours |      |
|                                         |                                                                                                                                 | ≤ 2     | > 2-10                                               | > 10 |
| 木材工业                                    | Wood industry                                                                                                                   |         |                                                      |      |
| 剥皮机                                     | Bark peeler                                                                                                                     |         |                                                      |      |
| 进给传动                                    | Feed drive                                                                                                                      | 1.25    | 1.25                                                 | 1.50 |
| 主传动                                     | Main drive                                                                                                                      | 1.75    | 1.75                                                 | 1.75 |
| 运送机                                     | Transporter                                                                                                                     |         |                                                      |      |
| 燃烧器、反复锯、转塔式、转运输送                        | Burner, band saw, turret lathe, transportation                                                                                  | 1.25    | 1.25                                                 | 1.50 |
| 主要载荷、重载                                 | mainly heavy load                                                                                                               | 1.50    | 1.50                                                 | 1.50 |
| 主原木、地坯                                  | mainly raw log                                                                                                                  | 1.75    | 1.75                                                 | 2.00 |
| 输送链                                     | Conveyor chain                                                                                                                  |         |                                                      |      |
| 地板                                      | Parquet                                                                                                                         | 1.50    | 1.50                                                 | 1.50 |
| 生材                                      | Unprocessed materials                                                                                                           | 1.50    | 1.50                                                 | 1.75 |
| 切割链                                     | Cutting chain                                                                                                                   |         |                                                      |      |
| 锯传动、牵引                                  | Saw drive and traction                                                                                                          | 1.50    | 1.50                                                 | 1.75 |
| 剥皮筒                                     | Barking drum                                                                                                                    | 1.75    | 1.75                                                 | 2.00 |
| 进给传动                                    | Feed drive                                                                                                                      |         |                                                      |      |
| 轧边、修木、刨床进给、分类台、自动倾斜升降                   | Edgebanding, wood sanding Planer feeding, sorter Automatic inclination and lift                                                 | 1.25    | 1.25                                                 | 1.50 |
| 多轴送进、原木搬运和旋转                            | Multi-spindle feeding Log transport and turning                                                                                 | 1.75    | 1.75                                                 | 1.75 |
| 搬运                                      | Transport                                                                                                                       |         |                                                      |      |
| 料盘、胶合板车床传动、输送链、起重式                      | Delivery plate Plywood lathe drive Conveyor chain, crane type                                                                   | 1.50    | 1.50                                                 | 1.75 |
| 塑料工业                                    | Plastic industry                                                                                                                |         |                                                      |      |
| 碾磨机、复式磨、涂料、涂膜、输送管、拉杆、薄型                 | Grinding mill, compound mill Coating and film coating Pipe, pull rod, thin plastic manufacture                                  | 1.25    | 1.25                                                 | 1.25 |
| 管型、拔桩机                                  | Tube, pile drawer accessories                                                                                                   | 1.25    | 1.25                                                 | 1.50 |
| 连续混合机、压延机、吹膜、欲望化                        | Continuous mixer, calender Film blower, plasticizer                                                                             | 1.50    | 1.50                                                 | 1.50 |
| 分批混合机                                   | Batch mixer                                                                                                                     | 1.75    | 1.75                                                 | 1.75 |
| 橡胶工业                                    | Rubber industry                                                                                                                 |         |                                                      |      |
| 连续式强力内式拌合机、混合轧机、分批下料碾磨机、(双光棍式除外)精炼机、压延机 | Continuous powerful internal stirrer Roller mixer, batch charger Crusher(except double rolls) Refiner, calender                 | 1.50    | 1.50                                                 | 1.50 |
| 双棍式夹持进给及混合碾磨机                           | Double-roller clamp feeding Mixer grinder                                                                                       | 1.25    | 1.25                                                 | 1.50 |
| 分批式强力内式拌合机、双光棍式单槽纹棍碾磨机加热器、双光棍式          | Batch powerful internal stirrer, Double roll single groove roller grinder, Crusher heater, double rolls, Batch charging grinder | 1.75    | 1.75                                                 | 1.75 |
| 分批下料碾磨机 波形棍式碾磨机                         | Wave roll crusher                                                                                                               | 2.00    | 2.00                                                 | 2.00 |
| 发电机和励磁机                                 | Generator and Exciter                                                                                                           | 1.00    | 1.00                                                 | 1.25 |
| 锤式破碎机                                   | Hammer crusher                                                                                                                  | 1.75    | 1.75                                                 | 2.00 |
| 砂碾机                                     | Sand roller                                                                                                                     | 1.25    | 1.25                                                 | 1.50 |

⚠ 注：1. 被驱动设备使用功率P2的确定：  
 \*) 按最大的扭矩确定额定功率。  
 \*\*) 实际的服务系数应根据准确的载荷分类进行选择,具体可咨询我司。  
 \*\*\*) 检验热容量是绝对必要的。  
 2. 所列各项系数均为经验值。使用这些系数的前提条件是，所述机械设备应符合通常的设计规范和载荷条件。  
 如遇特殊情况，敬请垂询。  
 3. 对于那些未列入此表的工作机械，敬请垂询。

⚠ Note: 1.Determine required power P2 of the driven equipment;  
 \*) Determine rated power according to maximum torque  
 \*\*) The actual service factor should be selected according to accurate loading classification, for specific information, please consult us  
 \*\*\*) It is necessary to check thermal capacity.  
 2. The factors are experience value.The premise of using these factors is that the above mechanical equipment should conform to common design regulation and loading conditions.If there is special situation,please consult us.3. For machines that are not listed in this table, please consult us.

## 5 常用代号说明

## 5 Key to symbols

| Symbols        | 说明                       | Instruction                                                                           | Unit  |
|----------------|--------------------------|---------------------------------------------------------------------------------------|-------|
| i              | 实际减速比                    | Actual ratio                                                                          | /     |
| iN             | 公称减速比                    | Nominal ratio                                                                         |       |
| iex            | 精确减速比                    | Exact ratio                                                                           |       |
| T2             | 输出扭矩                     | Output torque                                                                         | N • m |
| T2N            | 额定输出扭矩                   | Rated output torque                                                                   |       |
| T <sub>A</sub> | 输入轴上的扭矩, 例如峰值操作, 启动或制动扭矩 | Max. Torque occurring on input shaft, e.g. Peak operating, starting or braking torque |       |
| Tn2atmax       | 在最高转速时的额定输出扭矩            | Nominal output torque at highest speed                                                |       |
| Tn2atmin       | 在最低转速时的额定输出扭矩            | Nominal output torque at lowest speed                                                 |       |
| P1N            | 减速机额定输入功率                | Rated input power                                                                     | kW    |
| PGA            | 齿轮箱不带冷却装置的额定发热容量         | Nominal thermal capacity of gearbox without auxiliary cooling equipment               |       |
| PGB            | 齿轮箱带冷却风扇的额定热容量           | Nominal thermal capacity of gearbox with cooling fan                                  |       |
| PGC            | 齿轮箱带冷却盘管的额定热容量           | Nominal thermal capacity of gearbox with cooling coil                                 |       |
| PGD            | 齿轮箱带冷却盘管和风扇或带水油冷却器的额定热容量 | Normal thermal capacity of gearbox with water-oil cooler                              |       |
| P1             | 输入功率                     | Input power                                                                           | /     |
| P2             | 被驱动设备使用功率                | Required power of driven machine                                                      |       |
| f1             | 被驱动设备系数                  | Driven machine factor                                                                 |       |
| f2             | 原动机系数                    | Prime mover factor                                                                    |       |
| f3             | 峰值负荷系数                   | Peakload factor                                                                       |       |
| f4             | 环境温度系数 (不带辅助冷却装置或仅带冷却风扇) | Thermal factor (Without auxiliary cooling, or with fan cooling)                       |       |
| f5             | 环境温度系数 (带冷却盘管或带冷却盘管和风扇)  | Thermal factor (with water-oil cooler)                                                |       |
| f8             | 立式安装齿轮箱供油系数              | Oil supply factor for vertical gearbox                                                | r/min |
| Sf             | 齿轮箱可靠度系数                 | Safety factor of gearbox                                                              |       |
| n1             | 输入转速                     | Input speed                                                                           |       |
| n2             | 输出转速                     | Output speed                                                                          |       |
| n2N            | 公称输出转速                   | Nominal output speed                                                                  | /     |
| η              | 效率                       | Efficiency                                                                            |       |
| f              | 电机频率                     | Motor frequency                                                                       | Hz    |
| U <sub>m</sub> | 电机电压                     | Motor voltage                                                                         | V     |
| ED             | 每小时工作周期                  | Operating cycle per hour                                                              | %     |

## 6 选型举例

## 6 Selection example

| 已知条件:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Known conditions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>原动机:</p> <p>电机功率: 185kW</p> <p>电机转速: <math>n_1=1450\text{r/min}</math></p> <p>最大启动扭矩: <math>T_A=1850\text{N.m}</math></p> <p>(由用户提供数据, 如果无法提供则按照电机额定扭矩的1.6倍估算)</p> <p>被驱动设备(工作机):</p> <p>设备名称: 皮带输送机</p> <p>设备转速: <math>n_2=26\text{r/min}</math></p> <p>使用功率: <math>P_2=155\text{kW}</math></p> <p>工作制: 12小时/天</p> <p>每小时启动次数: 7</p> <p>每小时工作周期: 100%</p> <p>环境温度: <math>40^\circ\text{C}</math></p> <p>安装空间: 室外安装</p> <p>海拔高度: 500m</p> <p>齿轮箱:</p> <p>螺旋锥齿轮-斜齿齿轮箱, 卧式安装, 带平键实心轴输出,</p> <p>轴布置形式 C</p> <p>输出轴旋转方向: 面向输出轴顺时针旋转</p> <p>配逆止器 (附件代号UB11)</p>                                                                                                                                                                                                                                                                                                             | <p><b>Prime mover</b></p> <p>Motor power: 90kW</p> <p>Motor speed: <math>n_1=1450\text{r/min}</math></p> <p>Maximum starting torque: <math>T_A=860\text{N.m}</math></p> <p>(This value is usually provided by the users if not, normal torque <math>\times 1.6</math> preails)</p> <p><b>Driven equipment (working machine):</b></p> <p>Type: Belt conveyor</p> <p>Speed: <math>n_2=33\text{r/min}</math></p> <p>Required power: <math>P_2=72\text{kW}</math></p> <p>Duty: 12 hours/day</p> <p>Starts per hour: 7</p> <p>Operating cycle per hour: 100%</p> <p>Ambient temperature: <math>40^\circ\text{C}</math></p> <p>Place of installation: Outdoor mounting</p> <p>Altitude: 500m</p> <p><b>Gear box:</b></p> <p>Bevel-helical gear unit, horizontal mounting, with parallel key</p> <p>solid shaft output</p> <p>Shaft arrangement form C</p> <p>Output shaft direction of rotation: run clockwise to output shaft</p> <p>With backstop (accessory code UB11)</p>                                                                                                                                                                                 |
| 选型步骤:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Selection procedure:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <p>1. 计算速比:</p> $i=n_1/n_2=1450/26=55.8 \quad i_N=C56$ <p>2. 确定齿轮箱的额定功率:</p> $P_1=P_2/\eta=155/(94\%)=165\text{kW}$ $P_{1N} \geq P_1 \cdot f_1 \cdot f_2 \cdot S-$ $F=165 \times 1.4 \times 1 \times 1.4=323\text{kW}$ <p>根据传动能力表B3, 机座号14</p> $P_{1N}=340\text{kW}$ <p>3. <math>33 \cdot P_1=3.33 \times 165=549\text{kW} \geq P_{1N}</math></p> <p>满足要求</p> <p>3. 峰值扭矩校核:</p> $P_{1N} \geq T_A \cdot n_1 \cdot f_3/9550$ $=1850 \times 1450 \times 0.65/9550=183\text{kW}$ $P_{1N}=340\text{kW} \geq 183\text{kW} \quad \text{满足要求}$ <p>4. 校核热容量:</p> $P_{GA} \cdot f_4 \cdot$ $f_8=135 \times 0.75 \times 1=101\text{kW} \leq P_1=165\text{kW}$ <p>不满足要求</p> $P_{GB} \cdot f_4 \cdot f_8=330 \times 0.75 \times 1=248\text{kW}$ $\geq P_1=165\text{kW} \quad \text{满足要求}$ <p>所以齿轮箱配置冷却风扇可以满足热容量要求,</p> <p>风扇附件代号为UF21</p> <p>5. 确定型号:</p> <p>B314HSC-C56+UF21+UB11</p> | <p><b>1.Calculation of ratio</b></p> $i=n_1/n_2=1450/33=439 \quad i_N=45$ <p><b>2.Determine rated power of gear box</b></p> $P_1=P_2/\eta=72/(94\%)=76.6\text{kW}$ $P_{1N}=P_1 f_1 \cdot f_2 \cdot S-$ $F=76.6 \times 13 \times 1 \times 14=139.4\text{kWV}$ <p>Refer to transmission capacity table B3, select size 10 <math>P_{1N}=146\text{kW}</math></p> $333 \cdot P_1=3.33 \times 76.6=255.1\text{kWPN}$ <p>Satisfy requirements</p> <p><b>3.Peak torque verification</b></p> $P_{1N} \geq T_A \cdot n_1 \cdot f_3/9550$ $=860 \times 1450 \times 0.65/9550=84.9\text{kW}$ $P_{1N}=146\text{kW} \geq 84.9\text{kW}$ <p>Satisfy requirements</p> <p><b>4.Verify thermal capacity:</b></p> $P_{GA} \cdot f_4 \cdot f_8=80.8 \times 0.75 \times 1=60.6\text{kWVs}$ $P_1=76.6\text{kW}$ <p>Thermal capacity not sufficient</p> $P_{GB} \cdot f_4 \cdot f_8=180 \times 0.75 \times 1=135\text{kWV} \geq$ $P_1=76.6\text{kWV}$ <p>Thermal capacity is sufficient</p> <p>When gear unit with cooling fan, thermal capacity is sufficient.</p> <p>Fan accessory code is UF 21</p> <p><b>5.Determine gear unit</b></p> <p>type: B310HSC - 45+UF21+UB11</p> |



## 7 传动能力表

## 7 Transmission Capacity table

H2 (iN=1.8-5.6)

| Code | $i_N$ | $n_1$<br>(r/min) | $n_{2N}$<br>(r/min) | H204               |          |                  | H205               |          |                  | H206               |          |                  | H207               |          |                  | H208               |          |                  |
|------|-------|------------------|---------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|
|      |       |                  |                     | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) |
| B18  | 1.8   | 1740             | 967                 | 4.5                | 1.781    | 460              |                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 1450             | 806                 |                    |          | 384              |                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 1150             | 639                 |                    |          | 304              |                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 960              | 533                 |                    |          | 254              |                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  |
| B20  | 2     | 1740             | 870                 | 4.4                | 1.950    | 411              |                    |          |                  | 6.8                | 1.949    | 636              |                    |          |                  |                    |          |                  |
|      |       | 1450             | 725                 |                    |          | 343              |                    |          |                  |                    |          | 530              |                    |          |                  |                    |          |                  |
|      |       | 1150             | 575                 |                    |          | 272              |                    |          |                  |                    |          | 420              |                    |          |                  |                    |          |                  |
|      |       | 960              | 480                 |                    |          | 227              |                    |          |                  |                    |          | 351              |                    |          |                  |                    |          |                  |
| B22  | 2.24  | 1740             | 777                 | 4.7                | 2.305    | 371              |                    |          |                  | 6.8                | 2.182    | 568              |                    |          |                  | 14                 | 2.205    | 1157             |
|      |       | 1450             | 647                 |                    |          | 310              |                    |          |                  |                    |          | 473              |                    |          |                  |                    |          | 964              |
|      |       | 1150             | 513                 |                    |          | 246              |                    |          |                  |                    |          | 375              |                    |          |                  |                    |          | 764              |
|      |       | 960              | 429                 |                    |          | 205              |                    |          |                  |                    |          | 313              |                    |          |                  |                    |          | 638              |
| B25  | 2.5   | 1740             | 696                 | 4.5                | 2.583    | 317              |                    |          |                  | 6.2                | 2.573    | 439              |                    |          |                  | 14                 | 2.466    | 1034             |
|      |       | 1450             | 580                 |                    |          | 265              |                    |          |                  |                    |          | 366              |                    |          |                  |                    |          | 862              |
|      |       | 1150             | 460                 |                    |          | 210              |                    |          |                  |                    |          | 290              |                    |          |                  |                    |          | 684              |
|      |       | 960              | 384                 |                    |          | 175              |                    |          |                  |                    |          | 242              |                    |          |                  |                    |          | 571              |
| B28  | 2.8   | 1740             | 621                 | 4.6                | 2.758    | 304              |                    |          |                  | 6                  | 2.792    | 392              |                    |          |                  | 15                 | 2.744    | 996              |
|      |       | 1450             | 518                 |                    |          | 253              |                    |          |                  |                    |          | 326              |                    |          |                  |                    |          | 830              |
|      |       | 1150             | 411                 |                    |          | 201              |                    |          |                  |                    |          | 259              |                    |          |                  |                    |          | 658              |
|      |       | 960              | 343                 |                    |          | 168              |                    |          |                  |                    |          | 216              |                    |          |                  |                    |          | 549              |
| B32  | 3.15  | 1740             | 552                 | 4.5                | 3.155    | 260              |                    |          |                  | 6.8                | 3.260    | 380              |                    |          |                  | 16.5               | 3.091    | 973              |
|      |       | 1450             | 460                 |                    |          | 217              |                    |          |                  |                    |          | 317              |                    |          |                  |                    |          | 810              |
|      |       | 1150             | 365                 |                    |          | 172              |                    |          |                  |                    |          | 251              |                    |          |                  |                    |          | 643              |
|      |       | 960              | 305                 |                    |          | 143              |                    |          |                  |                    |          | 210              |                    |          |                  |                    |          | 537              |
| B36  | 3.55  | 1740             | 490                 | 3.2                | 3.508    | 166              |                    |          |                  | 6.8                | 3.612    | 343              |                    |          |                  | 16.5               | 3.563    | 844              |
|      |       | 1450             | 408                 |                    |          | 139              |                    |          |                  |                    |          | 286              |                    |          |                  |                    |          | 703              |
|      |       | 1150             | 324                 |                    |          | 110              |                    |          |                  |                    |          | 227              |                    |          |                  |                    |          | 558              |
|      |       | 960              | 270                 |                    |          | 92               |                    |          |                  |                    |          | 189              |                    |          |                  |                    |          | 466              |
| B40  | 4     | 1740             | 435                 | 3.2                | 3.978    | 147              |                    |          |                  | 5.5                | 3.831    | 262              |                    |          |                  | 16.3               | 3.931    | 755              |
|      |       | 1450             | 363                 |                    |          | 122              |                    |          |                  |                    |          | 218              |                    |          |                  |                    |          | 630              |
|      |       | 1150             | 288                 |                    |          | 97               |                    |          |                  |                    |          | 173              |                    |          |                  |                    |          | 499              |
|      |       | 960              | 240                 |                    |          | 81               |                    |          |                  |                    |          | 144              |                    |          |                  |                    |          | 417              |
| B45  | 4.5   | 1740             | 387                 | 3.2                | 4.459    | 131              |                    |          |                  | 5.3                | 4.354    | 222              |                    |          |                  | 15.2               | 4.354    | 636              |
|      |       | 1450             | 322                 |                    |          | 109              |                    |          |                  |                    |          | 185              |                    |          |                  |                    |          | 530              |
|      |       | 1150             | 256                 |                    |          | 86               |                    |          |                  |                    |          | 147              |                    |          |                  |                    |          | 420              |
|      |       | 960              | 213                 |                    |          | 72               |                    |          |                  |                    |          | 122              |                    |          |                  |                    |          | 351              |
| B50  | 5     | 1740             | 348                 | 3.2                | 5.089    | 115              |                    |          |                  | 5.2                | 4.872    | 194              |                    |          |                  | 14.8               | 4.845    | 557              |
|      |       | 1450             | 290                 |                    |          | 95               |                    |          |                  |                    |          | 162              |                    |          |                  |                    |          | 464              |
|      |       | 1150             | 230                 |                    |          | 76               |                    |          |                  |                    |          | 129              |                    |          |                  |                    |          | 368              |
|      |       | 960              | 192                 |                    |          | 63               |                    |          |                  |                    |          | 107              |                    |          |                  |                    |          | 307              |
| B56  | 5.6   | 1740             | 311                 | 3.2                | 5.424    | 107              |                    |          |                  | 5.2                | 5.410    | 175              |                    |          |                  | 14.2               | 5.499    | 471              |
|      |       | 1450             | 259                 |                    |          | 90               |                    |          |                  |                    |          | 146              |                    |          |                  |                    |          | 392              |
|      |       | 1150             | 205                 |                    |          | 71               |                    |          |                  |                    |          | 116              |                    |          |                  |                    |          | 311              |
|      |       | 960              | 171                 |                    |          | 59               |                    |          |                  |                    |          | 97               |                    |          |                  |                    |          | 260              |

 卧式安装齿轮箱  
应采用强制润滑。

 Forced lubrication required  
on horizontal gearbox.

| H209               |          |                  | H210               |          |                  | H211               |          |                  | H212               |          |                  | $n_{2N}$ | $n_1$   | $i_N$ | Code |
|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|----------|---------|-------|------|
| $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | (r/min)  | (r/min) |       |      |
|                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  | 967      | 1740    | 1.8   | B18  |
|                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  | 806      | 1450    |       |      |
|                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  | 639      | 1150    |       |      |
|                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  | 533      | 960     |       |      |
|                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  | 870      | 1740    | 2     | B20  |
|                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  | 725      | 1450    |       |      |
|                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  | 575      | 1150    |       |      |
|                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  | 480      | 960     |       |      |
| 28                 | 2.238    | 2280             |                    |          |                  | 42                 | 2.175    | 3518             |                    |          |                  | 777      | 1740    | 2.24  | B22  |
|                    |          | 1900             |                    |          |                  |                    |          | 2932             |                    |          |                  | 647      | 1450    |       |      |
|                    |          | 1507             |                    |          |                  |                    |          | 2325             |                    |          |                  | 513      | 1150    |       |      |
|                    |          | 1258             |                    |          |                  |                    |          | 1941             |                    |          |                  | 429      | 960     |       |      |
| 28                 | 2.523    | 2022             |                    |          |                  | 44                 | 2.471    | 3245             |                    |          |                  | 696      | 1740    | 2.5   | B25  |
|                    |          | 1685             |                    |          |                  |                    |          | 2704             |                    |          |                  | 580      | 1450    |       |      |
|                    |          | 1336             |                    |          |                  |                    |          | 2145             |                    |          |                  | 460      | 1150    |       |      |
|                    |          | 1115             |                    |          |                  |                    |          | 1790             |                    |          |                  | 384      | 960     |       |      |
| 29                 | 2.915    | 1813             |                    |          |                  | 46                 | 2.814    | 2978             |                    |          |                  | 621      | 1740    | 2.8   | B28  |
|                    |          | 1511             |                    |          |                  |                    |          | 2482             |                    |          |                  | 518      | 1450    |       |      |
|                    |          | 1198             |                    |          |                  |                    |          | 1968             |                    |          |                  | 411      | 1150    |       |      |
|                    |          | 1000             |                    |          |                  |                    |          | 1643             |                    |          |                  | 343      | 960     |       |      |
| 29                 | 3.325    | 1589             |                    |          |                  | 42                 | 3.077    | 2487             |                    |          |                  | 552      | 1740    | 3.15  | B32  |
|                    |          | 1324             |                    |          |                  |                    |          | 2073             |                    |          |                  | 460      | 1450    |       |      |
|                    |          | 1050             |                    |          |                  |                    |          | 1644             |                    |          |                  | 365      | 1150    |       |      |
|                    |          | 877              |                    |          |                  |                    |          | 1372             |                    |          |                  | 305      | 960     |       |      |
| 30                 | 3.563    | 1534             |                    |          |                  | 42                 | 3.431    | 2230             | 58                 | 3.566    | 2964             | 490      | 1740    | 3.55  | B36  |
|                    |          | 1279             |                    |          |                  |                    |          | 1858             |                    |          |                  | 2470     | 408     |       |      |
|                    |          | 1014             |                    |          |                  |                    |          | 1474             |                    |          |                  | 1959     | 324     |       |      |
|                    |          | 847              |                    |          |                  |                    |          | 1230             |                    |          |                  | 1635     | 270     |       |      |
| 30                 | 3.850    | 1420             |                    |          |                  | 42                 | 3.904    | 1960             | 63                 | 4.050    |                  | 2834     | 435     | 4     | B40  |
|                    |          | 1183             |                    |          |                  |                    |          | 1634             |                    |          |                  | 2362     | 363     |       |      |
|                    |          | 938              |                    |          |                  |                    |          | 1296             |                    |          |                  | 1873     | 288     |       |      |
|                    |          | 783              |                    |          |                  |                    |          | 1082             |                    |          |                  | 1564     | 240     |       |      |
| 26                 | 4.453    | 1064             |                    |          |                  | 40                 | 4.412    | 1652             | 67                 | 4.613    |                  | 2646     | 387     | 4.5   | B45  |
|                    |          | 886              |                    |          |                  |                    |          | 1377             |                    |          |                  | 2205     | 322     |       |      |
|                    |          | 703              |                    |          |                  |                    |          | 1092             |                    |          |                  | 1749     | 256     |       |      |
|                    |          | 587              |                    |          |                  |                    |          | 911              |                    |          |                  | 1460     | 213     |       |      |
| 24                 | 4.975    | 879              |                    |          |                  | 40                 | 5.066    | 1438             | 62                 | 5.044    |                  | 2240     | 348     | 5     | B50  |
|                    |          | 732              |                    |          |                  |                    |          | 1199             |                    |          |                  | 1866     | 290     |       |      |
|                    |          | 581              |                    |          |                  |                    |          | 951              |                    |          |                  | 1480     | 230     |       |      |
|                    |          | 485              |                    |          |                  |                    |          | 794              |                    |          |                  | 1236     | 192     |       |      |
| 22                 | 5.608    | 715              |                    |          |                  | 38                 | 5.798    | 1194             | 64                 | 5.625    |                  | 2073     | 311     | 5.6   | B56  |
|                    |          | 596              |                    |          |                  |                    |          | 995              |                    |          |                  | 1728     | 259     |       |      |
|                    |          | 472              |                    |          |                  |                    |          | 789              |                    |          |                  | 1370     | 205     |       |      |
|                    |          | 394              |                    |          |                  |                    |          | 659              |                    |          |                  | 1144     | 171     |       |      |

## H2 (iN=6.3-22.4)

| Code | $i_N$ | $n_1$<br>(r/min) | $n_{2N}$<br>(r/min) | H204               |          |                  | H205               |          |                  | H206               |          |                  | H207               |          |                  | H208               |          |                  |
|------|-------|------------------|---------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|
|      |       |                  |                     | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) |
| B63  | 6.3   | 1740             | 276                 | 6.7                | 6.33     | 187              | 11.2               | 6.08     | 312              | 15.2               | 6.24     | 442              | 20.3               | 6.27     | 586              | 27.5               | 6.19     | 780              |
|      |       | 1450             | 230                 |                    |          | 156              |                    |          | 260              |                    |          | 368              |                    |          | 488              |                    |          | 650              |
|      |       | 1150             | 183                 |                    |          | 124              |                    |          | 206              |                    |          | 292              |                    |          | 387              |                    |          | 515              |
|      |       | 960              | 152                 |                    |          | 103              |                    |          | 172              |                    |          | 244              |                    |          | 323              |                    |          | 430              |
| B71  | 7.1   | 1740             | 245                 | 6.7                | 6.93     | 166              | 11.2               | 6.81     | 287              | 15.2               | 6.98     | 398              | 20.3               | 7.02     | 520              | 27.5               | 6.92     | 703              |
|      |       | 1450             | 204                 |                    |          | 138              |                    |          | 239              |                    |          | 332              |                    |          | 433              |                    |          | 585              |
|      |       | 1150             | 162                 |                    |          | 109              |                    |          | 190              |                    |          | 263              |                    |          | 343              |                    |          | 464              |
|      |       | 960              | 135                 |                    |          | 91               |                    |          | 158              |                    |          | 220              |                    |          | 287              |                    |          | 388              |
| B80  | 8     | 1740             | 218                 | 6.7                | 8.19     | 152              | 11.2               | 8.02     | 256              | 15.2               | 8.23     | 341              | 20.3               | 7.81     | 463              | 27.5               | 7.70     | 636              |
|      |       | 1450             | 181                 |                    |          | 127              |                    |          | 213              |                    |          | 284              |                    |          | 386              |                    |          | 530              |
|      |       | 1150             | 144                 |                    |          | 101              |                    |          | 169              |                    |          | 226              |                    |          | 306              |                    |          | 420              |
|      |       | 960              | 120                 |                    |          | 84               |                    |          | 141              |                    |          | 188              |                    |          | 256              |                    |          | 351              |
| B90  | 9     | 1740             | 193                 | 6.7                | 9.18     | 136              | 11.2               | 8.71     | 227              | 15.2               | 8.93     | 316              | 20.3               | 8.79     | 410              | 27.5               | 8.68     | 569              |
|      |       | 1450             | 161                 |                    |          | 113              |                    |          | 189              |                    |          | 264              |                    |          | 342              |                    |          | 475              |
|      |       | 1150             | 128                 |                    |          | 89               |                    |          | 150              |                    |          | 209              |                    |          | 271              |                    |          | 376              |
|      |       | 960              | 107                 |                    |          | 74               |                    |          | 125              |                    |          | 174              |                    |          | 226              |                    |          | 314              |
| C10  | 10    | 1740             | 174                 | 6.7                | 9.80     | 118              | 11.2               | 10.2     | 198              | 15.2               | 10.4     | 274              | 20.3               | 10.1     | 368              | 27.5               | 10.0     | 499              |
|      |       | 1450             | 145                 |                    |          | 98               |                    |          | 165              |                    |          | 228              |                    |          | 307              |                    |          | 416              |
|      |       | 1150             | 115                 |                    |          | 77               |                    |          | 131              |                    |          | 181              |                    |          | 243              |                    |          | 330              |
|      |       | 960              | 96.0                |                    |          | 65               |                    |          | 109              |                    |          | 151              |                    |          | 203              |                    |          | 275              |
| C11  | 11.2  | 1740             | 155                 | 6.7                | 11.2     | 106              | 11.2               | 11.3     | 178              | 15.2               | 11.6     | 249              | 20.3               | 11.2     | 330              | 27.5               | 11.0     | 435              |
|      |       | 1450             | 129                 |                    |          | 88               |                    |          | 148              |                    |          | 207              |                    |          | 275              |                    |          | 362              |
|      |       | 1150             | 103                 |                    |          | 70               |                    |          | 117              |                    |          | 164              |                    |          | 218              |                    |          | 287              |
|      |       | 960              | 85.7                |                    |          | 58               |                    |          | 98               |                    |          | 137              |                    |          | 182              |                    |          | 240              |
| C13  | 12.5  | 1740             | 139                 | 6.7                | 12.5     | 97               | 11.2               | 11.9     | 162              | 16.5               | 12.3     | 235              | 20.3               | 12.4     | 294              | 27.5               | 12.2     | 395              |
|      |       | 1450             | 116                 |                    |          | 81               |                    |          | 135              |                    |          | 196              |                    |          | 245              |                    |          | 329              |
|      |       | 1150             | 92.0                |                    |          | 64               |                    |          | 107              |                    |          | 155              |                    |          | 194              |                    |          | 261              |
|      |       | 960              | 76.8                |                    |          | 53               |                    |          | 89               |                    |          | 130              |                    |          | 162              |                    |          | 218              |
| C14  | 14    | 1740             | 124                 | 6.7                | 14.1     | 87               | 11.2               | 13.6     | 145              | 16.5               | 13.9     | 209              | 20.3               | 13.8     | 263              | 27.5               | 13.6     | 358              |
|      |       | 1450             | 104                 |                    |          | 72               |                    |          | 121              |                    |          | 174              |                    |          | 219              |                    |          | 298              |
|      |       | 1150             | 82.1                |                    |          | 57               |                    |          | 96               |                    |          | 138              |                    |          | 174              |                    |          | 236              |
|      |       | 960              | 68.6                |                    |          | 48               |                    |          | 80               |                    |          | 115              |                    |          | 145              |                    |          | 197              |
| C16  | 16    | 1740             | 109                 | 6.7                | 15.8     | 75               | 11.2               | 15.2     | 127              | 16.5               | 15.6     | 188              | 20.3               | 15.6     | 230              | 27.5               | 15.4     | 318              |
|      |       | 1450             | 90.6                |                    |          | 62               |                    |          | 106              |                    |          | 156              |                    |          | 192              |                    |          | 265              |
|      |       | 1150             | 71.9                |                    |          | 50               |                    |          | 84               |                    |          | 124              |                    |          | 152              |                    |          | 210              |
|      |       | 960              | 60.0                |                    |          | 41.6             |                    |          | 70               |                    |          | 104              |                    |          | 127              |                    |          | 175              |
| C18  | 18    | 1740             | 96.7                | 6.7                | 18.1     | 66               | 11.2               | 16.9     | 109              | 16.5               | 17.3     | 170              | 20.3               | 17.4     | 198              | 27.5               | 17.1     | 288              |
|      |       | 1450             | 80.6                |                    |          | 55               |                    |          | 91               |                    |          | 142              |                    |          | 165              |                    |          | 240              |
|      |       | 1150             | 63.9                |                    |          | 43.6             |                    |          | 72               |                    |          | 112              |                    |          | 131              |                    |          | 190              |
|      |       | 960              | 53.3                |                    |          | 36.4             |                    |          | 60               |                    |          | 94               |                    |          | 109              |                    |          | 159              |
| C20  | 20    | 1740             | 87.0                | 6.7                | 19.3     | 59               | 11.2               | 19.8     | 101              | 16.5               | 20.3     | 147              | 20.3               | 19.7     | 178              | 27.5               | 19.5     | 255              |
|      |       | 1450             | 72.5                |                    |          | 49.3             |                    |          | 84               |                    |          | 122              |                    |          | 148              |                    |          | 213              |
|      |       | 1150             | 57.5                |                    |          | 39.1             |                    |          | 67               |                    |          | 97               |                    |          | 117              |                    |          | 169              |
|      |       | 960              | 48.0                |                    |          | 32.6             |                    |          | 56               |                    |          | 81               |                    |          | 98               |                    |          | 141              |
| C22  | 22.4  | 1740             | 77.7                |                    |          |                  |                    | 21.2     | 89               | 16.5               | 21.8     | 135              | 20.3               | 22.7     | 160              | 27.5               | 22.4     | 224              |
|      |       | 1450             | 64.7                |                    |          |                  |                    |          | 74               |                    |          | 113              |                    |          | 133              |                    |          | 187              |
|      |       | 1150             | 51.3                |                    |          |                  |                    |          | 59               |                    |          | 90               |                    |          | 105              |                    |          | 148              |
|      |       | 960              | 42.9                |                    |          |                  |                    |          | 49.0             |                    |          | 75               |                    |          | 88               |                    |          | 124              |

| H209               |          |                  | H210               |          |                  | H211               |          |                  | H212               |          |                  | $n_{2N}$ | $n_1$   | $i_N$ | Code |
|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|----------|---------|-------|------|
| $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | (r/min)  | (r/min) |       |      |
| 33.7               | 6.28     | 973              | 44.2               | 6.20     | 1279             | 60                 | 6.09     | 1714             | 74                 | 6.09     | 2140             | 276      | 1740    | 6.3   | B63  |
|                    |          | 811              |                    |          | 1066             |                    |          | 1428             |                    |          | 1783             | 230      | 1450    |       |      |
|                    |          | 643              |                    |          | 845              |                    |          | 1133             |                    |          | 1414             | 183      | 1150    |       |      |
|                    |          | 537              |                    |          | 706              |                    |          | 945              |                    |          | 1180             | 152      | 960     |       |      |
| 33.7               | 7.08     | 863              | 44.2               | 6.99     | 1144             | 60                 | 6.91     | 1519             | 74                 | 6.92     | 1898             | 245      | 1740    | 7.1   | B71  |
|                    |          | 719              |                    |          | 954              |                    |          | 1266             |                    |          | 1582             | 204      | 1450    |       |      |
|                    |          | 570              |                    |          | 756              |                    |          | 1004             |                    |          | 1255             | 162      | 1150    |       |      |
|                    |          | 476              |                    |          | 631              |                    |          | 838              |                    |          | 1047             | 135      | 960     |       |      |
| 33.7               | 8.18     | 769              | 44.2               | 8.08     | 1001             | 60                 | 7.87     | 1354             | 74                 | 7.88     | 1685             | 218      | 1740    | 8     | B80  |
|                    |          | 641              |                    |          | 834              |                    |          | 1128             |                    |          | 1404             | 181      | 1450    |       |      |
|                    |          | 508              |                    |          | 662              |                    |          | 895              |                    |          | 1114             | 144      | 1150    |       |      |
|                    |          | 424              |                    |          | 552              |                    |          | 747              |                    |          | 930              | 120      | 960     |       |      |
| 33.7               | 9.33     | 683              | 44.2               | 9.22     | 886              | 60                 | 8.61     | 1201             | 74                 | 8.62     | 1496             | 193      | 1740    | 9     | B90  |
|                    |          | 569              |                    |          | 738              |                    |          | 1001             |                    |          | 1247             | 161      | 1450    |       |      |
|                    |          | 451              |                    |          | 585              |                    |          | 794              |                    |          | 989              | 128      | 1150    |       |      |
|                    |          | 377              |                    |          | 489              |                    |          | 663              |                    |          | 826              | 107      | 960     |       |      |
| 33.7               | 10.0     | 613              | 44.2               | 9.88     | 831              | 60                 | 9.60     | 1080             | 74                 | 9.61     | 1344             | 174      | 1740    | 10    | C10  |
|                    |          | 511              |                    |          | 692              |                    |          | 900              |                    |          | 1120             | 145      | 1450    |       |      |
|                    |          | 405              |                    |          | 549              |                    |          | 714              |                    |          | 888              | 115      | 1150    |       |      |
|                    |          | 338              |                    |          | 458              |                    |          | 596              |                    |          | 742              | 96.0     | 960     |       |      |
| 33.7               | 10.8     | 547              | 46.5               | 10.7     | 773              | 60                 | 10.9     | 965              | 74                 | 10.9     | 1201             | 155      | 1740    | 11.2  | C11  |
|                    |          | 456              |                    |          | 644              |                    |          | 804              |                    |          | 1001             | 129      | 1450    |       |      |
|                    |          | 362              |                    |          | 511              |                    |          | 638              |                    |          | 794              | 103      | 1150    |       |      |
|                    |          | 302              |                    |          | 426              |                    |          | 532              |                    |          | 663              | 85.7     | 960     |       |      |
| 33.7               | 12.5     | 491              | 46.5               | 12.3     | 675              | 60                 | 12.3     | 864              | 74                 | 12.4     | 1075             | 139      | 1740    | 12.5  | C13  |
|                    |          | 409              |                    |          | 562              |                    |          | 720              |                    |          | 896              | 116      | 1450    |       |      |
|                    |          | 324              |                    |          | 446              |                    |          | 571              |                    |          | 711              | 92.0     | 1150    |       |      |
|                    |          | 271              |                    |          | 372              |                    |          | 477              |                    |          | 593              | 76.8     | 960     |       |      |
| 33.7               | 14.0     | 437              | 46.5               | 13.8     | 608              | 60                 | 14.2     | 770              | 74                 | 14.2     | 958              | 124      | 1740    | 14    | C14  |
|                    |          | 364              |                    |          | 507              |                    |          | 642              |                    |          | 798              | 104      | 1450    |       |      |
|                    |          | 289              |                    |          | 402              |                    |          | 509              |                    |          | 633              | 82.1     | 1150    |       |      |
|                    |          | 241              |                    |          | 336              |                    |          | 425              |                    |          | 528              | 68.6     | 960     |       |      |
| 33.7               | 15.7     | 384              | 46.5               | 15.5     | 544              | 60                 | 16.2     | 677              | 74                 | 16.2     | 842              | 109      | 1740    | 16    | C16  |
|                    |          | 320              |                    |          | 453              |                    |          | 564              |                    |          | 702              | 90.6     | 1450    |       |      |
|                    |          | 254              |                    |          | 359              |                    |          | 447              |                    |          | 557              | 71.9     | 1150    |       |      |
|                    |          | 212              |                    |          | 300              |                    |          | 373              |                    |          | 465              | 60.0     | 960     |       |      |
| 33.7               | 17.4     | 338              | 48.5               | 17.2     | 495              | 60                 | 17.9     | 598              | 74                 | 17.9     | 744              | 96.7     | 1740    | 18    | C18  |
|                    |          | 282              |                    |          | 412              |                    |          | 498              |                    |          | 620              | 80.6     | 1450    |       |      |
|                    |          | 224              |                    |          | 327              |                    |          | 395              |                    |          | 492              | 63.9     | 1150    |       |      |
|                    |          | 187              |                    |          | 273              |                    |          | 330              |                    |          | 410              | 53.3     | 960     |       |      |
| 33.7               | 19.6     | 306              | 48.5               | 19.3     | 443              | 60                 | 20.1     | 540              | 74                 | 20.1     | 672              | 87.0     | 1740    | 20    | C20  |
|                    |          | 255              |                    |          | 370              |                    |          | 450              |                    |          | 560              | 72.5     | 1450    |       |      |
|                    |          | 202              |                    |          | 293              |                    |          | 357              |                    |          | 444              | 57.5     | 1150    |       |      |
|                    |          | 169              |                    |          | 245              |                    |          | 298              |                    |          | 371              | 48.0     | 960     |       |      |
| 33.1               | 21.7     | 269              | 48.5               | 21.4     | 403              | 60                 | 22.1     | 474              | 74                 | 22.2     | 600              | 77.7     | 1740    | 22.4  | C22  |
|                    |          | 224              |                    |          | 336              |                    |          | 395              |                    |          | 500              | 64.7     | 1450    |       |      |
|                    |          | 178              |                    |          | 266              |                    |          | 313              |                    |          | 397              | 51.3     | 1150    |       |      |
|                    |          | 148              |                    |          | 222              |                    |          | 262              |                    |          | 331              | 42.9     | 960     |       |      |

## H2 (iN=3.15-20)

| Code | $i_N$ | $n_1$<br>(r/min) | $n_{2N}$<br>(r/min) | H213               |          |                  | H214               |          |                  | H215               |          |                  |
|------|-------|------------------|---------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|
|      |       |                  |                     | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) |
| B32  | 3.15  | 1740             | 552.4               |                    |          |                  | 80                 | 3.061    | 4762             |                    |          |                  |
|      |       | 1450             | 460.3               |                    |          |                  |                    |          | 3968             |                    |          |                  |
|      |       | 1150             | 365.1               |                    |          |                  |                    |          | 3147             |                    |          |                  |
|      |       | 960              | 304.8               |                    |          |                  |                    |          | 2627             |                    |          |                  |
| B36  | 3.55  | 1740             | 490.1               |                    |          |                  | 90                 | 3.429    | 4782             |                    |          |                  |
|      |       | 1450             | 408.5               |                    |          |                  |                    |          | 3985             |                    |          |                  |
|      |       | 1150             | 323.9               |                    |          |                  |                    |          | 3161             |                    |          |                  |
|      |       | 960              | 270.4               |                    |          |                  |                    |          | 2638             |                    |          |                  |
| B40  | 4     | 1740             | 435.0               |                    |          |                  | 100                | 3.929    | 4637             |                    |          |                  |
|      |       | 1450             | 362.5               |                    |          |                  |                    |          | 3864             |                    |          |                  |
|      |       | 1150             | 287.5               |                    |          |                  |                    |          | 3065             |                    |          |                  |
|      |       | 960              | 240.0               |                    |          |                  |                    |          | 2559             |                    |          |                  |
| B45  | 4.5   | 1740             | 386.7               |                    |          |                  | 100                | 4.387    | 4153             |                    |          |                  |
|      |       | 1450             | 322.2               |                    |          |                  |                    |          | 3461             |                    |          |                  |
|      |       | 1150             | 255.6               |                    |          |                  |                    |          | 2745             |                    |          |                  |
|      |       | 960              | 213.3               |                    |          |                  |                    |          | 2291             |                    |          |                  |
| B50  | 5     | 1740             | 348.0               |                    |          |                  | 90                 | 4.916    | 3336             |                    |          |                  |
|      |       | 1450             | 290.0               |                    |          |                  |                    |          | 2780             |                    |          |                  |
|      |       | 1150             | 230.0               |                    |          |                  |                    |          | 2205             |                    |          |                  |
|      |       | 960              | 192.0               |                    |          |                  |                    |          | 1840             |                    |          |                  |
| B56  | 5.6   | 1740             | 310.7               |                    |          |                  | 90                 | 5.558    | 2950             |                    |          |                  |
|      |       | 1450             | 258.9               |                    |          |                  |                    |          | 2459             |                    |          |                  |
|      |       | 1150             | 205.4               |                    |          |                  |                    |          | 1950             |                    |          |                  |
|      |       | 960              | 171.4               |                    |          |                  |                    |          | 1628             |                    |          |                  |
| B63  | 6.3   | 1740             | 276.2               | 86                 | 5.878    | 2666             | 117                | 5.882    | 3624             | 143                | 6.000    | 4342*            |
|      |       | 1450             | 230.2               |                    |          | 2221             |                    |          | 3020             |                    |          | 3619             |
|      |       | 1150             | 182.5               |                    |          | 1762             |                    |          | 2395             |                    |          | 2870             |
|      |       | 960              | 152.4               |                    |          | 1471             |                    |          | 1999             |                    |          | 2396             |
| B71  | 7.1   | 1740             | 245.1               | 86                 | 6.583    | 2380             | 117                | 6.588    | 3236             | 143                | 7.022    | 3711*            |
|      |       | 1450             | 204.2               |                    |          | 1983             |                    |          | 2696             |                    |          | 3092             |
|      |       | 1150             | 162.0               |                    |          | 1573             |                    |          | 2139             |                    |          | 2452             |
|      |       | 960              | 135.2               |                    |          | 1313             |                    |          | 1785             |                    |          | 2047             |
| B80  | 8     | 1740             | 217.5               | 86                 | 7.543    | 2077             | 117                | 7.549    | 2824             | 143                | 8.000    | 3257*            |
|      |       | 1450             | 181.3               |                    |          | 1731             |                    |          | 2353             |                    |          | 2714             |
|      |       | 1150             | 143.8               |                    |          | 1373             |                    |          | 1866             |                    |          | 2152             |
|      |       | 960              | 120.0               |                    |          | 1146             |                    |          | 1558             |                    |          | 1797             |
| B90  | 9     | 1740             | 193.3               | 86                 | 8.423    | 1860             | 117                | 8.429    | 2529             | 143                | 8.742    | 2980*            |
|      |       | 1450             | 161.1               |                    |          | 1550             |                    |          | 2108             |                    |          | 2484             |
|      |       | 1150             | 127.8               |                    |          | 1230             |                    |          | 1671             |                    |          | 1970             |
|      |       | 960              | 106.7               |                    |          | 1026             |                    |          | 1395             |                    |          | 1644             |
| C10  | 10    | 1740             | 174.0               | 86                 | 9.439    | 1660             | 117                | 9.446    | 2257             | 143                | 9.882    | 2636*            |
|      |       | 1450             | 145.0               |                    |          | 1383             |                    |          | 1881             |                    |          | 2197             |
|      |       | 1150             | 115.0               |                    |          | 1097             |                    |          | 1491             |                    |          | 1742             |
|      |       | 960              | 96.0                |                    |          | 916              |                    |          | 1245             |                    |          | 1455             |
| C11  | 11.2  | 1740             | 155.4               | 86                 | 10.671   | 1468             | 117                | 10.679   | 1996             | 143                | 10.900   | 2390*            |
|      |       | 1450             | 129.5               |                    |          | 1224             |                    |          | 1663             |                    |          | 1992             |
|      |       | 1150             | 102.7               |                    |          | 970              |                    |          | 1319             |                    |          | 1580             |
|      |       | 960              | 85.7                |                    |          | 810              |                    |          | 1101             |                    |          | 1319             |
| C13  | 12.5  | 1740             | 139.2               | 86                 | 11.918   | 1315             | 117                | 11.927   | 1787             | 143                | 12.208   | 2134*            |
|      |       | 1450             | 116.0               |                    |          | 1096             |                    |          | 1489             |                    |          | 1779             |
|      |       | 1150             | 92.0                |                    |          | 869              |                    |          | 1181             |                    |          | 1411             |
|      |       | 960              | 76.8                |                    |          | 725              |                    |          | 986              |                    |          | 1178             |
| C14  | 14    | 1740             | 124.3               | 86                 | 13.621   | 1150             | 117                | 13.631   | 1564             | 143                | 13.708   | 1901*            |
|      |       | 1450             | 103.6               |                    |          | 959              |                    |          | 1303             |                    |          | 1584             |
|      |       | 1150             | 82.1                |                    |          | 760              |                    |          | 1034             |                    |          | 1256             |
|      |       | 960              | 68.6                |                    |          | 635              |                    |          | 863              |                    |          | 1049             |
| C16  | 16    | 1740             | 108.8               | 86                 | 15.762   | 994              | 117                | 15.774   | 1351             | 143                | 15.164   | 1718*            |
|      |       | 1450             | 90.6                |                    |          | 828              |                    |          | 1126             |                    |          | 1432             |
|      |       | 1150             | 71.9                |                    |          | 657              |                    |          | 893              |                    |          | 1136             |
|      |       | 960              | 60.0                |                    |          | 548              |                    |          | 746              |                    |          | 948              |
| C18  | 18    | 1740             | 96.7                | 86                 | 17.487   | 896              | 117                | 17.500   | 1218             | 143                | 17.209   | 1514*            |
|      |       | 1450             | 80.6                |                    |          | 747              |                    |          | 1015             |                    |          | 1262             |
|      |       | 1150             | 63.9                |                    |          | 592              |                    |          | 805              |                    |          | 1001             |
|      |       | 960              | 53.3                |                    |          | 494              |                    |          | 672              |                    |          | 835              |
| C20  | 20    | 1740             | 87.0                | 86                 | 19.526   | 802              | 117                | 19.540   | 1091             |                    |          |                  |
|      |       | 1450             | 72.5                |                    |          | 669              |                    |          | 909              |                    |          |                  |
|      |       | 1150             | 57.5                |                    |          | 530              |                    |          | 721              |                    |          |                  |
|      |       | 960              | 48.0                |                    |          | 443              |                    |          | 602              |                    |          |                  |

卧式安装齿轮箱  
应采用强制润滑。  
 \* 敬请垂询

Forced lubrication required  
on horizontal gearbox.  
 \* On request.

| H216                      |                 |                         | H217                      |                 |                         | H218                      |                 |                         | n <sub>2N</sub><br>(r/min) | n <sub>1</sub><br>(r/min) | i <sub>N</sub> | Code |
|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|----------------------------|---------------------------|----------------|------|
| T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) |                            |                           |                |      |
| 125                       | 3.148           | 7235                    |                           |                 |                         |                           |                 |                         | 552.4                      | 1740                      | 3.15           | B32  |
|                           |                 | 6029                    |                           |                 |                         |                           |                 |                         | 460.3                      | 1450                      |                |      |
|                           |                 | 4782                    |                           |                 |                         |                           |                 |                         | 365.1                      | 1150                      |                |      |
|                           |                 | 3992                    |                           |                 |                         |                           |                 |                         | 304.8                      | 960                       |                |      |
| 144                       | 3.684           | 7122                    |                           |                 |                         | 172                       | 3.474           | 9021                    | 490.1                      | 1740                      | 3.55           | B36  |
|                           |                 | 5935                    |                           |                 |                         |                           |                 | 7517                    | 408.5                      | 1450                      |                |      |
|                           |                 | 4707                    |                           |                 |                         |                           |                 | 5962                    | 323.9                      | 1150                      |                |      |
|                           |                 | 3929                    |                           |                 |                         |                           |                 | 4977                    | 270.4                      | 960                       |                |      |
| 130                       | 4.198           | 5642                    |                           |                 |                         | 195                       | 4.055           | 8762                    | 435.0                      | 1740                      | 4              | B40  |
|                           |                 | 4702                    |                           |                 |                         |                           |                 | 7301                    | 362.5                      | 1450                      |                |      |
|                           |                 | 3729                    |                           |                 |                         |                           |                 | 5791                    | 287.5                      | 1150                      |                |      |
|                           |                 | 3113                    |                           |                 |                         |                           |                 | 4834                    | 240.0                      | 960                       |                |      |
| 130                       | 4.587           | 5164                    |                           |                 |                         | 190                       | 4.628           | 7480                    | 386.7                      | 1740                      | 4.5            | B45  |
|                           |                 | 4303                    |                           |                 |                         |                           |                 | 6233                    | 322.2                      | 1450                      |                |      |
|                           |                 | 3413                    |                           |                 |                         |                           |                 | 4944                    | 255.6                      | 1150                      |                |      |
|                           |                 | 2849                    |                           |                 |                         |                           |                 | 4127                    | 213.3                      | 960                       |                |      |
| 135                       | 5.185           | 4744                    |                           |                 |                         | 177                       | 5.251           | 6142                    | 348.0                      | 1740                      | 5              | B50  |
|                           |                 | 3953                    |                           |                 |                         |                           |                 | 5118                    | 290.0                      | 1450                      |                |      |
|                           |                 | 3135                    |                           |                 |                         |                           |                 | 4059                    | 230.0                      | 1150                      |                |      |
|                           |                 | 2617                    |                           |                 |                         |                           |                 | 3388                    | 192.0                      | 960                       |                |      |
| 130                       | 5.719           | 4142                    | 215                       | 5.462           | 5977                    | 177                       | 5.726           | 5632                    | 310.7                      | 1740                      | 5.6            | B56  |
|                           |                 | 3451                    |                           |                 | 4740                    |                           |                 | 4693                    | 258.9                      | 1450                      |                |      |
|                           |                 | 2737                    |                           |                 | 3957                    |                           |                 | 3722                    | 205.4                      | 1150                      |                |      |
|                           |                 | 2285                    |                           |                 |                         |                           |                 | 3107                    | 171.4                      | 960                       |                |      |
| 176                       | 5.996           | 5348*                   | 215                       | 6.374           | 5121                    | 255                       | 6.305           |                         | 276.2                      | 1740                      | 6.3            | B63  |
|                           |                 | 4457                    |                           |                 | 4062                    |                           |                 | 4870                    | 182.5                      | 1450                      |                |      |
|                           |                 | 3535                    |                           |                 | 3391                    |                           |                 | 4065                    | 152.4                      | 960                       |                |      |
|                           |                 | 2951                    |                           |                 |                         |                           |                 |                         | 245.1                      | 1740                      |                |      |
| 176                       | 7.016           | 4570*                   | 215                       | 7.276           | 4486                    | 255                       | 7.359           |                         | 204.2                      | 1450                      | 7.1            | B71  |
|                           |                 | 3809                    |                           |                 | 3558                    |                           |                 | 4173                    | 162.0                      | 1150                      |                |      |
|                           |                 | 3021                    |                           |                 | 2970                    |                           |                 | 3483                    | 135.2                      | 960                       |                |      |
|                           |                 | 2522                    |                           |                 |                         |                           |                 |                         | 217.5                      | 1740                      |                |      |
| 176                       | 7.994           | 4011*                   | 215                       | 8.255           | 4745*                   | 255                       | 8.400           |                         | 181.3                      | 1450                      | 8              | B80  |
|                           |                 | 3343                    |                           |                 | 3954                    |                           |                 | 4609                    | 143.8                      | 1150                      |                |      |
|                           |                 | 2651                    |                           |                 | 3136                    |                           |                 | 3656                    | 120.0                      | 960                       |                |      |
|                           |                 | 2213                    |                           |                 | 2618                    |                           |                 | 3052                    | 193.3                      | 1740                      |                |      |
| 176                       | 8.736           | 3671*                   | 215                       | 9.003           | 4351*                   | 255                       | 9.530           | 4875*                   | 161.1                      | 1450                      | 9              | B90  |
|                           |                 | 3059                    |                           |                 | 3626                    |                           |                 | 4063                    | 127.8                      | 1150                      |                |      |
|                           |                 | 2426                    |                           |                 | 2876                    |                           |                 | 3222                    | 106.7                      | 960                       |                |      |
|                           |                 | 2025                    |                           |                 | 2401                    |                           |                 | 2690                    | 174.0                      | 1740                      |                |      |
| 176                       | 9.875           | 3247*                   | 215                       | 10.119          | 3871*                   | 255                       | 10.393          | 4470*                   | 145.0                      | 1450                      | 10             | C10  |
|                           |                 | 2706                    |                           |                 | 3226                    |                           |                 | 3725                    | 115.0                      | 1150                      |                |      |
|                           |                 | 2146                    |                           |                 | 2559                    |                           |                 | 2955                    | 96.0                       | 960                       |                |      |
|                           |                 | 1792                    |                           |                 | 2136                    |                           |                 | 2466                    | 155.4                      | 1740                      |                |      |
| 176                       | 10.892          | 2944*                   | 215                       | 11.101          | 3529*                   | 255                       | 11.681          | 3977*                   | 129.5                      | 1450                      | 11.2           | C11  |
|                           |                 | 2454                    |                           |                 | 2941                    |                           |                 | 3314                    | 102.7                      | 1150                      |                |      |
|                           |                 | 1946                    |                           |                 | 2332                    |                           |                 | 2629                    | 85.7                       | 960                       |                |      |
|                           |                 | 1624                    |                           |                 | 1947                    |                           |                 | 2194                    | 139.2                      | 1740                      |                |      |
| 176                       | 12.199          | 2629*                   | 215                       | 12.392          | 3161*                   | 255                       | 12.816          | 3625*                   | 116.0                      | 1450                      | 12.5           | C13  |
|                           |                 | 2191                    |                           |                 | 2634                    |                           |                 | 3021                    | 92.0                       | 1150                      |                |      |
|                           |                 | 1737                    |                           |                 | 2089                    |                           |                 | 2396                    | 76.8                       | 960                       |                |      |
|                           |                 | 1450                    |                           |                 | 1744                    |                           |                 | 2000                    | 124.3                      | 1740                      |                |      |
| 176                       | 13.698          | 2341*                   | 215                       | 13.875          | 2823*                   | 255                       | 14.306          | 3248*                   | 103.6                      | 1450                      | 14             | C14  |
|                           |                 | 1951                    |                           |                 | 2353                    |                           |                 | 2706                    | 82.1                       | 1150                      |                |      |
|                           |                 | 1547                    |                           |                 | 1866                    |                           |                 | 2146                    | 68.6                       | 960                       |                |      |
|                           |                 | 1292                    |                           |                 | 1558                    |                           |                 | 1792                    | 108.8                      | 1740                      |                |      |
| 176                       | 15.153          | 2116*                   | 215                       | 15.285          | 2563*                   | 255                       | 16.017          | 2901*                   | 90.6                       | 1450                      | 16             | C16  |
|                           |                 | 1764                    |                           |                 | 2136                    |                           |                 | 2417                    | 71.9                       | 1150                      |                |      |
|                           |                 | 1399                    |                           |                 | 1694                    |                           |                 | 1917                    | 60.0                       | 960                       |                |      |
|                           |                 | 1168                    |                           |                 | 1414                    |                           |                 | 1600                    | 96.7                       | 1740                      |                |      |
| 176                       | 17.196          | 1865*                   | 215                       | 17.253          | 2271*                   | 255                       | 17.646          | 2633*                   | 80.6                       | 1450                      | 18             | C18  |
|                           |                 | 1554                    |                           |                 | 1892                    |                           |                 | 2194                    | 63.9                       | 1150                      |                |      |
|                           |                 | 1232                    |                           |                 | 1501                    |                           |                 | 1740                    | 53.3                       | 960                       |                |      |
|                           |                 | 1029                    |                           |                 | 1253                    |                           |                 | 1453                    | 87.0                       | 1740                      |                |      |
|                           |                 |                         |                           |                 |                         | 255                       | 19.917          | 2333*                   | 72.5                       | 1450                      | 20             | C20  |
|                           |                 |                         |                           |                 |                         |                           |                 | 1944                    | 57.5                       | 1150                      |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 | 1542                    | 48.0                       | 960                       |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 | 1287                    |                            |                           |                |      |

## H2 (iN=8-20)

| Code | $i_N$ | $n_1$<br>(r/min) | $n_{2N}$<br>(r/min) | H219               |          |                  | H220               |          |                  | H221               |          |                  | H222               |          |                  |
|------|-------|------------------|---------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|
|      |       |                  |                     | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) |
| B80  | 8     | 1740             | 217.5               | 330                | 8.047    | *                |                    |          |                  | 460                | 8.047    | *                |                    |          |                  |
|      |       | 1450             | 181.3               |                    |          | *                |                    |          |                  |                    |          | *                |                    |          |                  |
|      |       | 1150             | 143.8               |                    |          | 4938*            |                    |          |                  |                    |          | *                |                    |          |                  |
|      |       | 960              | 120.0               |                    |          | 4122             |                    |          |                  |                    |          | 5746             |                    |          |                  |
| B90  | 9     | 1740             | 193.3               | 330                | 8.824    | *                | 380                | 9.106    | *                | 460                | 8.824    | *                | 520                | 8.880    | *                |
|      |       | 1450             | 161.1               |                    |          | *                |                    |          | *                |                    |          | *                |                    |          | *                |
|      |       | 1150             | 127.8               |                    |          | 4504*            |                    |          | 5025*            |                    |          | *                |                    |          | *                |
|      |       | 960              | 106.7               |                    |          | 3760             |                    |          | 4195             |                    |          | 5240             |                    |          | 5887             |
| C10  | 10    | 1740             | 174.0               | 330                | 9.963    | *                | 380                | 9.985    | *                | 460                | 9.963    | *                | 520                | 9.737    | *                |
|      |       | 1450             | 145.0               |                    |          | 5029*            |                    |          | *                |                    |          | *                |                    |          | *                |
|      |       | 1150             | 115.0               |                    |          | 3989*            |                    |          | 4583*            |                    |          | *                |                    |          | *                |
|      |       | 960              | 96.0                |                    |          | 3330             |                    |          | 3826             |                    |          | 4641             |                    |          | 5368             |
| C11  | 11.2  | 1740             | 155.4               | 330                | 11.176   | 5380*            | 380                | 11.274   | *                | 460                | 11.176   | *                | 520                | 10.994   | *                |
|      |       | 1450             | 129.5               |                    |          | 4483*            |                    |          | 5118*            |                    |          | *                |                    |          | *                |
|      |       | 1150             | 102.7               |                    |          | 3556             |                    |          | 4059*            |                    |          | 4956*            |                    |          | *                |
|      |       | 960              | 85.7                |                    |          | 2968             |                    |          | 3388             |                    |          | 4138             |                    |          | 4755             |
| C13  | 12.5  | 1740             | 139.2               | 330                | 12.641   | 4756*            | 380                | 12.647   | *                | 460                | 12.641   | *                | 520                | 12.333   | *                |
|      |       | 1450             | 116.0               |                    |          | 3964             |                    |          | 4562*            |                    |          | *                |                    |          | *                |
|      |       | 1150             | 92.0                |                    |          | 3144             |                    |          | 3618*            |                    |          | 4382*            |                    |          | 5077*            |
|      |       | 960              | 76.8                |                    |          | 2624             |                    |          | 3020             |                    |          | 3658             |                    |          | 4238             |
| C14  | 14    | 1740             | 124.3               | 330                | 14.074   | 4272*            | 380                | 14.304   | 4840*            | 460                | 14.074   | *                | 520                | 13.949   | *                |
|      |       | 1450             | 103.6               |                    |          | 3560             |                    |          | 4034             |                    |          | 4963*            |                    |          | *                |
|      |       | 1150             | 82.1                |                    |          | 2824             |                    |          | 3199             |                    |          | 3936*            |                    |          | 4489*            |
|      |       | 960              | 68.6                |                    |          | 2357             |                    |          | 2670             |                    |          | 3286             |                    |          | 3747             |
| C16  | 16    | 1740             | 108.8               | 330                | 15.736   | 3821*            | 380                | 15.926   | 4347*            | 460                | 15.736   | 5326*            | 520                | 15.531   | *                |
|      |       | 1450             | 90.6                |                    |          | 3184             |                    |          | 3623             |                    |          | 4438*            |                    |          | 5084*            |
|      |       | 1150             | 71.9                |                    |          | 2525             |                    |          | 2873             |                    |          | 3520*            |                    |          | 4032*            |
|      |       | 960              | 60.0                |                    |          | 2108             |                    |          | 2399             |                    |          | 2939             |                    |          | 3366             |
| C18  | 18    | 1740             | 96.7                | 330                | 17.538   | 3428*            | 380                | 17.807   | 3888*            | 460                | 17.538   | 4779*            | 520                | 17.365   | 5456*            |
|      |       | 1450             | 80.6                |                    |          | 2857             |                    |          | 3240             |                    |          | 3982*            |                    |          | 4547*            |
|      |       | 1150             | 63.9                |                    |          | 2266             |                    |          | 2570             |                    |          | 3158*            |                    |          | 3606*            |
|      |       | 960              | 53.3                |                    |          | 1891             |                    |          | 2145             |                    |          | 2637             |                    |          | 3010             |
| C20  | 20    | 1740             | 87.0                |                    |          |                  | 380                | 19.846   | 3489*            |                    |          |                  | 520                | 19.354   | 4895*            |
|      |       | 1450             | 72.5                |                    |          |                  |                    |          | 2907             |                    |          |                  |                    |          | 4079*            |
|      |       | 1150             | 57.5                |                    |          |                  |                    |          | 2306             |                    |          |                  |                    |          | 3235*            |
|      |       | 960              | 48.0                |                    |          |                  |                    |          | 1925             |                    |          |                  |                    |          | 2701             |

卧式安装齿轮箱  
应采用强制润滑。

\* 敬请垂询

Forced lubrication required  
on horizontal gearbox.

\* On request.

| H223               |          |                  | H224               |          |                  | H225               |          |                  | H226               |          |                  | $n_{2N}$<br>(r/min) | $n_1$<br>(r/min) | $i_N$ | Code |
|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|---------------------|------------------|-------|------|
| $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) |                     |                  |       |      |
| 640                | 7.711    | *                |                    |          |                  |                    |          |                  |                    |          |                  | 217.5               | 1740             | 8     | B80  |
|                    |          | *                |                    |          |                  |                    |          |                  |                    |          |                  | 181.3               | 1450             |       |      |
|                    |          | *                |                    |          |                  |                    |          |                  |                    |          |                  | 143.8               | 1150             |       |      |
|                    |          | 8343*            |                    |          |                  |                    |          |                  |                    |          |                  | 120.0               | 960              |       |      |
| 640                | 8.442    | *                | 725                | 8.739    | *                |                    |          |                  |                    |          |                  | 193.3               | 1740             | 9     | B90  |
|                    |          | *                |                    |          | *                |                    |          |                  |                    |          |                  | 161.1               | 1450             |       |      |
|                    |          | *                |                    |          | *                |                    |          |                  |                    |          |                  | 127.8               | 1150             |       |      |
|                    |          | 7621*            |                    |          | 8340*            |                    |          |                  |                    |          |                  | 106.7               | 960              |       |      |
| 640                | 9.722    | *                | 725                | 9.568    | *                | 860                | 9.893    | *                | 1030               | 9.914    | *                | 174.0               | 1740             | 10    | C10  |
|                    |          | *                |                    |          | *                |                    |          | *                |                    |          | *                | 145.0               | 1450             |       |      |
|                    |          | *                |                    |          | *                |                    |          | *                |                    |          | *                | 115.0               | 1150             |       |      |
|                    |          | 6617*            |                    |          | 7617*            |                    |          | 8739*            |                    |          | 10444*           | 96.0                | 960              |       |      |
| 640                | 10.727   | *                | 725                | 11.018   | *                | 860                | 11.324   | *                | 1030               | 11.347   | *                | 155.4               | 1740             | 11.2  | C11  |
|                    |          | *                |                    |          | *                |                    |          | *                |                    |          | *                | 129.5               | 1450             |       |      |
|                    |          | *                |                    |          | *                |                    |          | *                |                    |          | *                | 102.7               | 1150             |       |      |
|                    |          | 5997             |                    |          | 6615*            |                    |          | 7634*            |                    |          | 9125*            | 85.7                | 960              |       |      |
| 640                | 11.887   | *                | 725                | 12.157   | *                | 860                | 12.447   | *                | 1030               | 12.474   | *                | 139.2               | 1740             | 12.5  | C13  |
|                    |          | *                |                    |          | *                |                    |          | *                |                    |          | *                | 116.0               | 1450             |       |      |
|                    |          | *                |                    |          | *                |                    |          | *                |                    |          | *                | 92.0                | 1150             |       |      |
|                    |          | 5412             |                    |          | 5995*            |                    |          | 6945*            |                    |          | 8300*            | 76.8                | 960              |       |      |
| 640                | 13.809   | *                | 725                | 13.472   | *                | 860                | 13.744   | *                | 1030               | 13.773   | *                | 124.3               | 1740             | 14    | C14  |
|                    |          | *                |                    |          | *                |                    |          | *                |                    |          | *                | 103.6               | 1450             |       |      |
|                    |          | *                |                    |          | *                |                    |          | *                |                    |          | *                | 82.1                | 1150             |       |      |
|                    |          | 4659             |                    |          | 5410             |                    |          | 6290*            |                    |          | 7518*            | 68.6                | 960              |       |      |
| 640                | 15.316   | *                | 725                | 15.651   | *                | 860                | 15.974   | *                | 1030               | 16.007   | *                | 108.8               | 1740             | 16    | C16  |
|                    |          | *                |                    |          | *                |                    |          | *                |                    |          | *                | 90.6                | 1450             |       |      |
|                    |          | *                |                    |          | *                |                    |          | *                |                    |          | *                | 71.9                | 1150             |       |      |
|                    |          | 4201             |                    |          | 4657             |                    |          | 5412*            |                    |          | 6468*            | 60.0                | 960              |       |      |
| 640                | 17.064   | *                | 725                | 17.358   | *                | 860                | 17.647   | *                | 1030               | 17.684   | *                | 96.7                | 1740             | 18    | C18  |
|                    |          | *                |                    |          | *                |                    |          | *                |                    |          | *                | 80.6                | 1450             |       |      |
|                    |          | *                |                    |          | *                |                    |          | *                |                    |          | *                | 63.9                | 1150             |       |      |
|                    |          | 3770             |                    |          | 4199             |                    |          | 4899*            |                    |          | 5855*            | 53.3                | 960              |       |      |
|                    |          |                  | 725                | 19.339   | *                |                    |          |                  |                    |          |                  | 87.0                | 1740             | 20    | C20  |
|                    |          |                  |                    |          | *                |                    |          |                  |                    |          |                  | 72.5                | 1450             |       |      |
|                    |          |                  |                    |          | *                |                    |          |                  |                    |          |                  | 57.5                | 1150             |       |      |
|                    |          |                  |                    |          | 3769             |                    |          |                  |                    |          |                  | 48.0                | 960              |       |      |

卧式安装齿轮箱  
应采用强制润滑。

\* 敬请垂询

Forced lubrication required  
on horizontal gearbox.

\* On request.



### H3 (iN=16-100)

| Code | $i_N$ | $n_1$<br>(r/min) | $n_{2N}$<br>(r/min) | H305               |          |                  | H306               |          |                  | H307               |          |                  | H308               |          |                  |
|------|-------|------------------|---------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|
|      |       |                  |                     | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) |
| C16  | 16    | 1740             | 109.0               | 11.6               | 15.0     | 131              | 17.5               | 15.4     | 202              | 21.7               | 15.5     | 246              | 29.0               | 15.3     | 328              |
|      |       | 1450             | 90.6                |                    |          | 109              |                    |          | 169              |                    |          | 205              |                    |          | 273              |
|      |       | 1150             | 71.9                |                    |          | 87               |                    |          | 134              |                    |          | 162              |                    |          | 217              |
|      |       | 960              | 60.0                |                    |          | 72               |                    |          | 112              |                    |          | 136              |                    |          | 181              |
| C18  | 18    | 1740             | 96.7                | 11.6               | 17.1     | 117              | 17.5               | 17.5     | 179              | 21.7               | 16.9     | 218              | 29.0               | 16.7     | 301              |
|      |       | 1450             | 80.6                |                    |          | 97               |                    |          | 150              |                    |          | 182              |                    |          | 251              |
|      |       | 1150             | 63.9                |                    |          | 77               |                    |          | 119              |                    |          | 144              |                    |          | 199              |
|      |       | 960              | 53.3                |                    |          | 64               |                    |          | 99               |                    |          | 120              |                    |          | 166              |
| C20  | 20    | 1740             | 87.0                | 11.6               | 19.8     | 105              | 17.5               | 20.3     | 156              | 21.7               | 20.0     | 197              | 29.0               | 19.8     | 257              |
|      |       | 1450             | 72.5                |                    |          | 88               |                    |          | 130              |                    |          | 164              |                    |          | 214              |
|      |       | 1150             | 57.5                |                    |          | 69               |                    |          | 103              |                    |          | 130              |                    |          | 170              |
|      |       | 960              | 48.0                |                    |          | 58               |                    |          | 86               |                    |          | 108              |                    |          | 142              |
| C22  | 22.4  | 1740             | 77.7                | 11.6               | 21.6     | 94               | 17.5               | 22.1     | 144              | 21.7               | 22.4     | 175              | 29.0               | 22.2     | 231              |
|      |       | 1450             | 64.7                |                    |          | 78               |                    |          | 120              |                    |          | 146              |                    |          | 192              |
|      |       | 1150             | 51.3                |                    |          | 62               |                    |          | 95               |                    |          | 116              |                    |          | 153              |
|      |       | 960              | 42.9                |                    |          | 52               |                    |          | 79               |                    |          | 97               |                    |          | 127              |
| C25  | 25    | 1740             | 69.6                | 11.6               | 24.3     | 84               | 17.5               | 24.9     | 129              | 21.7               | 24.0     | 157              | 29.0               | 23.7     | 217              |
|      |       | 1450             | 58.0                |                    |          | 70               |                    |          | 107              |                    |          | 131              |                    |          | 181              |
|      |       | 1150             | 46.0                |                    |          | 56               |                    |          | 85               |                    |          | 104              |                    |          | 143              |
|      |       | 960              | 38.4                |                    |          | 46.3             |                    |          | 71               |                    |          | 87               |                    |          | 120              |
| C28  | 28    | 1740             | 62.1                | 11.6               | 26.7     | 76               | 17.5               | 27.4     | 116              | 21.7               | 27.4     | 142              | 29.0               | 27.1     | 191              |
|      |       | 1450             | 51.8                |                    |          | 63               |                    |          | 97               |                    |          | 118              |                    |          | 159              |
|      |       | 1150             | 41.1                |                    |          | 50               |                    |          | 77               |                    |          | 94               |                    |          | 126              |
|      |       | 960              | 34.3                |                    |          | 41.7             |                    |          | 64               |                    |          | 78               |                    |          | 105              |
| C32  | 31.5  | 1740             | 55.2                | 11.6               | 30.3     | 67               | 17.5               | 31.1     | 103              | 21.7               | 31.0     | 126              | 29.0               | 30.6     | 170              |
|      |       | 1450             | 46.0                |                    |          | 56               |                    |          | 86               |                    |          | 105              |                    |          | 142              |
|      |       | 1150             | 36.5                |                    |          | 44.4             |                    |          | 68               |                    |          | 83               |                    |          | 113              |
|      |       | 960              | 30.5                |                    |          | 37.1             |                    |          | 57               |                    |          | 70               |                    |          | 94               |
| C36  | 35.5  | 1740             | 49.0                | 11.6               | 35.2     | 59               | 17.5               | 36.1     | 90               | 21.7               | 36.6     | 110              | 29.0               | 36.2     | 145              |
|      |       | 1450             | 40.8                |                    |          | 49.0             |                    |          | 75               |                    |          | 92               |                    |          | 121              |
|      |       | 1150             | 32.4                |                    |          | 38.9             |                    |          | 59               |                    |          | 73               |                    |          | 96               |
|      |       | 960              | 27.0                |                    |          | 32.4             |                    |          | 49               |                    |          | 61               |                    |          | 80               |
| C40  | 40    | 1740             | 43.5                | 11.6               | 38.3     | 53               | 18.5               | 39.3     | 83               | 21.7               | 41.1     | 100              | 29.0               | 40.5     | 131              |
|      |       | 1450             | 36.3                |                    |          | 44.0             |                    |          | 69               |                    |          | 83               |                    |          | 109              |
|      |       | 1150             | 28.8                |                    |          | 34.9             |                    |          | 55               |                    |          | 66               |                    |          | 86               |
|      |       | 960              | 24.0                |                    |          | 29.1             |                    |          | 45.6             |                    |          | 55               |                    |          | 72               |
| C45  | 45    | 1740             | 38.7                | 11.6               | 43.1     | 46.8             | 18.5               | 44.2     | 74               | 21.7               | 43.8     | 86               | 30.0               | 43.3     | 122              |
|      |       | 1450             | 32.2                |                    |          | 39.0             |                    |          | 62               |                    |          | 72               |                    |          | 102              |
|      |       | 1150             | 25.6                |                    |          | 30.9             |                    |          | 48.9             |                    |          | 57               |                    |          | 81               |
|      |       | 960              | 21.3                |                    |          | 25.8             |                    |          | 40.8             |                    |          | 47.7             |                    |          | 68               |
| C50  | 50    | 1740             | 34.8                | 11.6               | 47.3     | 42.0             | 18.5               | 48.5     | 68               | 21.7               | 50.2     | 79               | 30.0               | 49.5     | 108              |
|      |       | 1450             | 29.0                |                    |          | 35.0             |                    |          | 56               |                    |          | 66               |                    |          | 90               |
|      |       | 1150             | 23.0                |                    |          | 27.8             |                    |          | 44.8             |                    |          | 52               |                    |          | 71               |
|      |       | 960              | 19.2                |                    |          | 23.2             |                    |          | 37.4             |                    |          | 43.7             |                    |          | 60               |
| C56  | 56    | 1740             | 31.1                | 11.6               | 54.6     | 37.2             | 18.5               | 56.0     | 59               | 21.7               | 55.8     | 71               | 30.0               | 55.0     | 97               |
|      |       | 1450             | 25.9                |                    |          | 31.0             |                    |          | 49.3             |                    |          | 59               |                    |          | 81               |
|      |       | 1150             | 20.5                |                    |          | 24.6             |                    |          | 39.1             |                    |          | 47               |                    |          | 64               |
|      |       | 960              | 17.1                |                    |          | 20.5             |                    |          | 32.6             |                    |          | 39.1             |                    |          | 54               |
| C63  | 63    | 1740             | 27.6                | 11.6               | 58.2     | 33.6             | 18.5               | 59.7     | 56               | 21.7               | 63.2     | 62               | 30.0               | 62.4     | 86               |
|      |       | 1450             | 23.0                |                    |          | 28.0             |                    |          | 46.4             |                    |          | 52               |                    |          | 72               |
|      |       | 1150             | 18.3                |                    |          | 22.2             |                    |          | 36.8             |                    |          | 41.2             |                    |          | 57               |
|      |       | 960              | 15.2                |                    |          | 18.5             |                    |          | 30.7             |                    |          | 34.4             |                    |          | 47.7             |
| C71  | 71    | 1740             | 24.5                | 11.6               | 67.2     | 28.8             | 18.5               | 69.0     | 48.5             | 21.7               | 70.9     | 54               | 30.0               | 69.9     | 78               |
|      |       | 1450             | 20.4                |                    |          | 24.0             |                    |          | 40.4             |                    |          | 45.0             |                    |          | 65               |
|      |       | 1150             | 16.2                |                    |          | 19.0             |                    |          | 32.1             |                    |          | 35.7             |                    |          | 52               |
|      |       | 960              | 13.5                |                    |          | 15.9             |                    |          | 26.8             |                    |          | 29.8             |                    |          | 43.0             |
| C80  | 80    | 1740             | 21.8                | 11.6               | 76.4     | 26.4             | 18.5               | 78.4     | 42.9             | 21.7               | 80.9     | 49.2             | 30.0               | 79.8     | 68               |
|      |       | 1450             | 18.1                |                    |          | 22.0             |                    |          | 35.8             |                    |          | 41.0             |                    |          | 57               |
|      |       | 1150             | 14.4                |                    |          | 17.4             |                    |          | 28.4             |                    |          | 32.5             |                    |          | 45.2             |
|      |       | 960              | 12.0                |                    |          | 14.6             |                    |          | 23.7             |                    |          | 27.1             |                    |          | 37.7             |
| C90  | 90    | 1740             | 19.3                | 11.6               | 84.9     | 22.8             | 18.5               | 87.1     | 38.8             | 21.7               | 86.2     | 44.4             | 30.0               | 85.1     | 62.4             |
|      |       | 1450             | 16.1                |                    |          | 19.0             |                    |          | 32.4             |                    |          | 37.0             |                    |          | 52.0             |
|      |       | 1150             | 12.8                |                    |          | 15.1             |                    |          | 25.7             |                    |          | 29.3             |                    |          | 41.2             |
|      |       | 960              | 10.7                |                    |          | 12.6             |                    |          | 21.4             |                    |          | 24.5             |                    |          | 34.4             |
| D10  | 100   | 1740             | 17.4                |                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 1450             | 14.5                |                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 1150             | 11.5                |                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 960              | 9.6                 |                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  |

| H309               |          |                  | H310               |          |                  | H311               |          |                  | H312               |          |                  | $n_{2N}$<br>(r/min) | $n_1$<br>(r/min) | $i_N$ | Code |
|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|---------------------|------------------|-------|------|
| $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) |                     |                  |       |      |
| 35.7               | 15.4     | 407              | 47                 | 15.2     | 535              | 64                 | 15.3     | 724              | 78                 | 15.3     | 888              | 109.0               | 1740             | 16    | C16  |
|                    |          | 339              |                    |          | 446              |                    |          | 603              |                    |          | 740              | 90.6                | 1450             |       |      |
|                    |          | 269              |                    |          | 354              |                    |          | 478              |                    |          | 587              | 71.9                | 1150             |       |      |
|                    |          | 224              |                    |          | 295              |                    |          | 399              |                    |          | 490              | 60.0                | 960              |       |      |
| 35.7               | 17.2     | 362              | 47                 | 17.0     | 476              | 64                 | 17.1     | 643              | 78                 | 17.1     | 789              | 96.7                | 1740             | 18    | C18  |
|                    |          | 301              |                    |          | 396              |                    |          | 536              |                    |          | 658              | 80.6                | 1450             |       |      |
|                    |          | 239              |                    |          | 314              |                    |          | 425              |                    |          | 522              | 63.9                | 1150             |       |      |
|                    |          | 200              |                    |          | 262              |                    |          | 355              |                    |          | 435              | 53.3                | 960              |       |      |
| 35.7               | 20.3     | 325              | 47                 | 20.1     | 428              | 64                 | 19.0     | 579              | 78                 | 19.0     | 710              | 87.0                | 1740             | 20    | C20  |
|                    |          | 271              |                    |          | 357              |                    |          | 482              |                    |          | 592              | 72.5                | 1450             |       |      |
|                    |          | 215              |                    |          | 283              |                    |          | 383              |                    |          | 470              | 57.5                | 1150             |       |      |
|                    |          | 180              |                    |          | 236              |                    |          | 319              |                    |          | 392              | 48.0                | 960              |       |      |
| 35.7               | 22.0     | 291              | 47                 | 21.8     | 382              | 64                 | 21.4     | 517              | 78                 | 21.5     | 634              | 77.7                | 1740             | 22.4  | C22  |
|                    |          | 242              |                    |          | 319              |                    |          | 431              |                    |          | 529              | 64.7                | 1450             |       |      |
|                    |          | 192              |                    |          | 253              |                    |          | 342              |                    |          | 419              | 51.3                | 1150             |       |      |
|                    |          | 160              |                    |          | 211              |                    |          | 285              |                    |          | 350              | 42.9                | 960              |       |      |
| 35.7               | 25.7     | 260              | 47                 | 25.4     | 343              | 64                 | 24.7     | 462              | 78                 | 24.7     | 568              | 69.6                | 1740             | 25    | C25  |
|                    |          | 217              |                    |          | 285              |                    |          | 385              |                    |          | 474              | 58.0                | 1450             |       |      |
|                    |          | 172              |                    |          | 226              |                    |          | 305              |                    |          | 376              | 46.0                | 1150             |       |      |
|                    |          | 144              |                    |          | 189              |                    |          | 255              |                    |          | 314              | 38.4                | 960              |       |      |
| 35.7               | 28.5     | 233              | 47                 | 28.2     | 306              | 64                 | 27.2     | 416              | 78                 | 27.3     | 507              | 62.1                | 1740             | 28    | C28  |
|                    |          | 194              |                    |          | 255              |                    |          | 347              |                    |          | 423              | 51.8                | 1450             |       |      |
|                    |          | 154              |                    |          | 202              |                    |          | 275              |                    |          | 335              | 41.1                | 1150             |       |      |
|                    |          | 128              |                    |          | 169              |                    |          | 230              |                    |          | 280              | 34.3                | 960              |       |      |
| 35.7               | 29.9     | 208              | 47                 | 29.5     | 272              | 64                 | 32.0     | 370              | 78                 | 32.1     | 450              | 55.2                | 1740             | 31.5  | C32  |
|                    |          | 173              |                    |          | 227              |                    |          | 308              |                    |          | 375              | 46.0                | 1450             |       |      |
|                    |          | 137              |                    |          | 180              |                    |          | 244              |                    |          | 297              | 36.5                | 1150             |       |      |
|                    |          | 115              |                    |          | 150              |                    |          | 204              |                    |          | 248              | 30.5                | 960              |       |      |
| 35.7               | 35.2     | 182              | 47                 | 34.8     | 241              | 64                 | 35.6     | 324              | 78                 | 35.7     | 394              | 49.0                | 1740             | 35.5  | C36  |
|                    |          | 152              |                    |          | 201              |                    |          | 270              |                    |          | 328              | 40.8                | 1450             |       |      |
|                    |          | 121              |                    |          | 159              |                    |          | 214              |                    |          | 260              | 32.4                | 1150             |       |      |
|                    |          | 101              |                    |          | 133              |                    |          | 179              |                    |          | 217              | 27.0                | 960              |       |      |
| 35.7               | 38.2     | 164              | 47                 | 37.7     | 214              | 64                 | 40.1     | 293              | 78                 | 40.2     | 356              | 43.5                | 1740             | 40    | C40  |
|                    |          | 137              |                    |          | 178              |                    |          | 244              |                    |          | 297              | 36.3                | 1450             |       |      |
|                    |          | 109              |                    |          | 141              |                    |          | 194              |                    |          | 236              | 28.8                | 1150             |       |      |
|                    |          | 91               |                    |          | 118              |                    |          | 162              |                    |          | 197              | 24.0                | 960              |       |      |
| 35.7               | 44.6     | 143              | 47                 | 44.1     | 190              | 64                 | 46.3     | 254              | 78                 | 46.3     | 308              | 38.7                | 1740             | 45    | C45  |
|                    |          | 119              |                    |          | 159              |                    |          | 212              |                    |          | 257              | 32.2                | 1450             |       |      |
|                    |          | 94               |                    |          | 126              |                    |          | 168              |                    |          | 204              | 25.6                | 1150             |       |      |
|                    |          | 79               |                    |          | 105              |                    |          | 140              |                    |          | 170              | 21.3                | 960              |       |      |
| 35.7               | 49.4     | 130              | 47                 | 48.8     | 171              | 64                 | 51.0     | 230              | 78                 | 51.1     | 281              | 34.8                | 1740             | 50    | C50  |
|                    |          | 108              |                    |          | 143              |                    |          | 192              |                    |          | 234              | 29.0                | 1450             |       |      |
|                    |          | 86               |                    |          | 113              |                    |          | 152              |                    |          | 186              | 23.0                | 1150             |       |      |
|                    |          | 72               |                    |          | 94               |                    |          | 127              |                    |          | 155              | 19.2                | 960              |       |      |
| 35.7               | 52.4     | 116              | 47                 | 51.8     | 153              | 64                 | 56.5     | 208              | 78                 | 56.6     | 253              | 31.1                | 1740             | 56    | C56  |
|                    |          | 97               |                    |          | 127              |                    |          | 173              |                    |          | 211              | 25.9                | 1450             |       |      |
|                    |          | 77               |                    |          | 101              |                    |          | 137              |                    |          | 167              | 20.5                | 1150             |       |      |
|                    |          | 64               |                    |          | 84               |                    |          | 115              |                    |          | 140              | 17.1                | 960              |       |      |
| 35.7               | 59.6     | 103              | 47                 | 58.8     | 136              | 64                 | 62.9     | 185              | 78                 | 63.0     | 226              | 27.6                | 1740             | 63    | C63  |
|                    |          | 86               |                    |          | 113              |                    |          | 154              |                    |          | 188              | 23.0                | 1450             |       |      |
|                    |          | 68               |                    |          | 90               |                    |          | 122              |                    |          | 149              | 18.3                | 1150             |       |      |
|                    |          | 57               |                    |          | 75               |                    |          | 102              |                    |          | 124              | 15.2                | 960              |       |      |
| 35.7               | 66.7     | 90               | 47                 | 65.8     | 121              | 64                 | 71.4     | 161              | 78                 | 71.5     | 196              | 24.5                | 1740             | 71    | C71  |
|                    |          | 75               |                    |          | 101              |                    |          | 134              |                    |          | 163              | 20.4                | 1450             |       |      |
|                    |          | 59               |                    |          | 80               |                    |          | 106              |                    |          | 129              | 16.2                | 1150             |       |      |
|                    |          | 50               |                    |          | 67               |                    |          | 89               |                    |          | 108              | 13.5                | 960              |       |      |
| 35.7               | 74.0     | 82               | 47                 | 73.1     | 107              | 64                 | 79.3     | 145              | 78                 | 79.40    | 175              | 21.8                | 1740             | 80    | C80  |
|                    |          | 68               |                    |          | 89               |                    |          | 121              |                    |          | 146              | 18.1                | 1450             |       |      |
|                    |          | 54               |                    |          | 71               |                    |          | 96               |                    |          | 116              | 14.4                | 1150             |       |      |
|                    |          | 45.0             |                    |          | 59               |                    |          | 80               |                    |          | 97               | 12.0                | 960              |       |      |
| 35.7               | 86.7     | 70               | 47                 | 85.6     | 95               | 64                 | 90.1     | 128              | 78                 | 90.2     | 156              | 19.3                | 1740             | 90    | C90  |
|                    |          | 58               |                    |          | 79               |                    |          | 107              |                    |          | 130              | 16.1                | 1450             |       |      |
|                    |          | 46.0             |                    |          | 63               |                    |          | 85               |                    |          | 103              | 12.8                | 1150             |       |      |
|                    |          | 38.4             |                    |          | 52               |                    |          | 71               |                    |          | 86               | 10.7                | 960              |       |      |
| 35.7               | 93.2     | 63               | 47                 | 92.0     | 86               | 64                 | 103.4    | 115              | 78                 | 103.5    | 140              | 17.4                | 1740             | 100   | D10  |
|                    |          | 52               |                    |          | 71               |                    |          | 96               |                    |          | 117              | 14.5                | 1450             |       |      |
|                    |          | 41.4             |                    |          | 57               |                    |          | 76               |                    |          | 93               | 11.5                | 1150             |       |      |
|                    |          | 34.6             |                    |          | 47.2             |                    |          | 64               |                    |          | 77               | 9.6                 | 960              |       |      |

### H3 (iN=14-112)

| Code | $i_N$ | $n_1$<br>(r/min) | $n_{2N}$<br>(r/min) | H313               |          |                  | H314               |          |                  | H315               |          |                  |
|------|-------|------------------|---------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|
|      |       |                  |                     | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) |
| C14  | 14    | 1740             | 124.3               |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 1450             | 103.6               |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 1150             | 82.1                |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 960              | 68.6                |                    |          |                  |                    |          |                  |                    |          |                  |
| C16  | 16    | 1740             | 108.8               | 88                 | 14.974   | 1071             | 120                | 14.985   | 1459             | 153                | 15.047   | 1853             |
|      |       | 1450             | 90.6                |                    |          | 892              |                    |          | 1216             |                    |          | 1544             |
|      |       | 1150             | 71.9                |                    |          | 708              |                    |          | 964              |                    |          | 1224             |
|      |       | 960              | 60.0                |                    |          | 591              |                    |          | 805              |                    |          | 1022             |
| C18  | 18    | 1740             | 96.7                | 88                 | 16.884   | 950              | 120                | 16.897   | 1294             | 153                | 17.091   | 1631             |
|      |       | 1450             | 80.6                |                    |          | 791              |                    |          | 1078             |                    |          | 1359             |
|      |       | 1150             | 63.9                |                    |          | 628              |                    |          | 855              |                    |          | 1078             |
|      |       | 960              | 53.3                |                    |          | 524              |                    |          | 714              |                    |          | 900              |
| C20  | 20    | 1740             | 87.0                | 88                 | 19.502   | 822              | 120                | 19.517   | 1120             | 153                | 19.466   | 1432             |
|      |       | 1450             | 72.5                |                    |          | 685              |                    |          | 934              |                    |          | 1193             |
|      |       | 1150             | 57.5                |                    |          | 543              |                    |          | 740              |                    |          | 946              |
|      |       | 960              | 48.0                |                    |          | 454              |                    |          | 618              |                    |          | 790              |
| C22  | 22.4  | 1740             | 77.7                | 88                 | 22.247   | 721              | 120                | 22.264   | 982              | 153                | 21.285   | 1310             |
|      |       | 1450             | 64.7                |                    |          | 601              |                    |          | 818              |                    |          | 1091             |
|      |       | 1150             | 51.3                |                    |          | 476              |                    |          | 649              |                    |          | 866              |
|      |       | 960              | 42.9                |                    |          | 398              |                    |          | 542              |                    |          | 723              |
| C25  | 25    | 1740             | 69.6                | 88                 | 23.836   | 673              | 120                | 23.854   | 917              | 153                | 23.737   | 1174             |
|      |       | 1450             | 58.0                |                    |          | 561              |                    |          | 764              |                    |          | 979              |
|      |       | 1150             | 46.0                |                    |          | 445              |                    |          | 606              |                    |          | 776              |
|      |       | 960              | 38.4                |                    |          | 371              |                    |          | 506              |                    |          | 648              |
| C28  | 28    | 1740             | 62.1                | 88                 | 27.606   | 581              | 120                | 27.626   | 791              | 153                | 27.005   | 1032             |
|      |       | 1450             | 51.8                |                    |          | 484              |                    |          | 660              |                    |          | 860              |
|      |       | 1150             | 41.1                |                    |          | 384              |                    |          | 523              |                    |          | 682              |
|      |       | 960              | 34.3                |                    |          | 320              |                    |          | 437              |                    |          | 570              |
| C32  | 31.5  | 1740             | 55.2                | 88                 | 31.127   | 515              | 120                | 31.150   | 702              | 153                | 30.553   | 912              |
|      |       | 1450             | 46.0                |                    |          | 429              |                    |          | 585              |                    |          | 760              |
|      |       | 1150             | 36.5                |                    |          | 340              |                    |          | 464              |                    |          | 603              |
|      |       | 960              | 30.5                |                    |          | 284              |                    |          | 387              |                    |          | 503              |
| C36  | 35.5  | 1740             | 49.0                | 88                 | 35.954   | 446              | 120                | 35.981   | 608              | 153                | 34.800   | 801              |
|      |       | 1450             | 40.8                |                    |          | 372              |                    |          | 506              |                    |          | 668              |
|      |       | 1150             | 32.4                |                    |          | 295              |                    |          | 402              |                    |          | 529              |
|      |       | 960              | 27.0                |                    |          | 246              |                    |          | 335              |                    |          | 442              |
| C40  | 40    | 1740             | 43.5                | 88                 | 41.014   | 391              | 120                | 41.045   | 533              | 153                | 38.051   | 733              |
|      |       | 1450             | 36.3                |                    |          | 326              |                    |          | 444              |                    |          | 611              |
|      |       | 1150             | 28.8                |                    |          | 258              |                    |          | 352              |                    |          | 484              |
|      |       | 960              | 24.0                |                    |          | 216              |                    |          | 294              |                    |          | 404              |
| C45  | 45    | 1740             | 38.7                | 88                 | 43.944   | 365              | 120                | 43.976   | 497              | 153                | 42.435   | 657              |
|      |       | 1450             | 32.2                |                    |          | 304              |                    |          | 414              |                    |          | 547              |
|      |       | 1150             | 25.6                |                    |          | 241              |                    |          | 329              |                    |          | 434              |
|      |       | 960              | 21.3                |                    |          | 201              |                    |          | 274              |                    |          | 362              |
| C50  | 50    | 1740             | 34.8                | 88                 | 47.488   | 338              | 120                | 47.523   | 460              | 153                | 48.276   | 577              |
|      |       | 1450             | 29.0                |                    |          | 281              |                    |          | 383              |                    |          | 481              |
|      |       | 1150             | 23.0                |                    |          | 223              |                    |          | 304              |                    |          | 382              |
|      |       | 960              | 19.2                |                    |          | 186              |                    |          | 254              |                    |          | 319              |
| C56  | 56    | 1740             | 31.1                | 88                 | 54.930   | 292              | 120                | 54.971   | 398              | 153                | 54.559   | 511              |
|      |       | 1450             | 25.9                |                    |          | 243              |                    |          | 331              |                    |          | 426              |
|      |       | 1150             | 20.5                |                    |          | 193              |                    |          | 263              |                    |          | 338              |
|      |       | 960              | 17.1                |                    |          | 161              |                    |          | 219              |                    |          | 282              |
| C63  | 63    | 1740             | 27.6                | 88                 | 61.370   | 261              | 120                | 61.415   | 356              | 153                | 62.655   | 445              |
|      |       | 1450             | 23.0                |                    |          | 218              |                    |          | 297              |                    |          | 371              |
|      |       | 1150             | 18.3                |                    |          | 173              |                    |          | 235              |                    |          | 294              |
|      |       | 960              | 15.2                |                    |          | 144              |                    |          | 196              |                    |          | 245              |
| C71  | 71    | 1740             | 24.5                | 88                 | 69.171   | 232              | 120                | 69.222   | 316              | 153                | 71.706   | 389              |
|      |       | 1450             | 20.4                |                    |          | 193              |                    |          | 263              |                    |          | 324              |
|      |       | 1150             | 16.2                |                    |          | 153              |                    |          | 209              |                    |          | 257              |
|      |       | 960              | 13.5                |                    |          | 128              |                    |          | 174              |                    |          | 214              |
| C80  | 80    | 1740             | 21.8                | 88                 | 76.462   | 210              | 120                | 76.519   | 286              | 153                | 79.016   | 353              |
|      |       | 1450             | 18.1                |                    |          | 175              |                    |          | 238              |                    |          | 294              |
|      |       | 1150             | 14.4                |                    |          | 139              |                    |          | 189              |                    |          | 233              |
|      |       | 960              | 12.0                |                    |          | 116              |                    |          | 158              |                    |          | 195              |
| C90  | 90    | 1740             | 19.3                | 88                 | 85.977   | 186              | 120                | 86.041   | 254              | 153                | 88.911   | 314              |
|      |       | 1450             | 16.1                |                    |          | 155              |                    |          | 212              |                    |          | 261              |
|      |       | 1150             | 12.8                |                    |          | 123              |                    |          | 168              |                    |          | 207              |
|      |       | 960              | 10.7                |                    |          | 103              |                    |          | 140              |                    |          | 173              |
| D10  | 100   | 1740             | 17.4                | 88                 | 95.211   | 168              | 120                | 95.282   | 229              | 153                | 97.769   | 285              |
|      |       | 1450             | 14.5                |                    |          | 140              |                    |          | 191              |                    |          | 238              |
|      |       | 1150             | 11.5                |                    |          | 111              |                    |          | 152              |                    |          | 188              |
|      |       | 960              | 9.6                 |                    |          | 93               |                    |          | 127              |                    |          | 157              |
| D11  | 112   | 1740             | 15.5                |                    |          |                  |                    |          |                  | 153                | 109.118  | 255              |
|      |       | 1450             | 12.9                |                    |          |                  |                    |          |                  |                    |          | 213              |
|      |       | 1150             | 10.3                |                    |          |                  |                    |          |                  |                    |          | 169              |
|      |       | 960              | 8.6                 |                    |          |                  |                    |          |                  |                    |          | 141              |

| H316                        |                 |                         | H317                        |                 |                         | H318                        |                 |                         | n <sub>2N</sub><br>(r/min) | n <sub>1</sub><br>(r/min) | i <sub>N</sub> | Code |
|-----------------------------|-----------------|-------------------------|-----------------------------|-----------------|-------------------------|-----------------------------|-----------------|-------------------------|----------------------------|---------------------------|----------------|------|
| T <sub>2N</sub><br>(kN • m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN • m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN • m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) |                            |                           |                |      |
|                             |                 |                         | 220                         | 13.683          | 2929                    |                             |                 |                         | 124.3                      | 1740                      | 14             | C14  |
|                             |                 |                         |                             |                 | 2441                    |                             |                 |                         | 103.6                      | 1450                      |                |      |
|                             |                 |                         |                             |                 | 1936                    |                             |                 |                         | 82.1                       | 1150                      |                |      |
|                             |                 |                         |                             |                 | 1616                    |                             |                 |                         | 68.6                       | 960                       |                |      |
| 190                         | 15.035          | 2302                    | 220                         | 15.542          | 2579                    | 265                         | 15.796          | 3057                    | 108.8                      | 1740                      | 16             | C16  |
|                             |                 | 1919                    |                             |                 | 2149                    |                             |                 | 2547                    | 90.6                       | 1450                      |                |      |
|                             |                 | 1522                    |                             |                 | 1705                    |                             |                 | 2020                    | 71.9                       | 1150                      |                |      |
|                             |                 | 1270                    |                             |                 | 1423                    |                             |                 | 1686                    | 60.0                       | 960                       |                |      |
| 190                         | 17.078          | 2027                    | 220                         | 17.702          | 2264                    | 265                         | 17.942          | 2691                    | 96.7                       | 1740                      | 18             | C18  |
|                             |                 | 1689                    |                             |                 | 1887                    |                             |                 | 2243                    | 80.6                       | 1450                      |                |      |
|                             |                 | 1340                    |                             |                 | 1497                    |                             |                 | 1779                    | 63.9                       | 1150                      |                |      |
|                             |                 | 1118                    |                             |                 | 1249                    |                             |                 | 1485                    | 53.3                       | 960                       |                |      |
| 190                         | 19.452          | 1780                    | 220                         | 19.356          | 2071                    | 265                         | 20.436          | 2363                    | 87.0                       | 1740                      | 20             | C20  |
|                             |                 | 1483                    |                             |                 | 1726                    |                             |                 | 1969                    | 72.5                       | 1450                      |                |      |
|                             |                 | 1176                    |                             |                 | 1369                    |                             |                 | 1562                    | 57.5                       | 1150                      |                |      |
|                             |                 | 982                     |                             |                 | 1143                    |                             |                 | 1304                    | 48.0                       | 960                       |                |      |
| 190                         | 21.269          | 1628                    | 220                         | 21.586          | 1857                    | 265                         | 22.345          | 2161                    | 77.7                       | 1740                      | 22.4           | C22  |
|                             |                 | 1356                    |                             |                 | 1547                    |                             |                 | 1801                    | 64.7                       | 1450                      |                |      |
|                             |                 | 1076                    |                             |                 | 1227                    |                             |                 | 1428                    | 51.3                       | 1150                      |                |      |
|                             |                 | 898                     |                             |                 | 1025                    |                             |                 | 1192                    | 42.9                       | 960                       |                |      |
| 190                         | 23.719          | 1459                    | 220                         | 24.557          | 1632                    | 265                         | 24.919          | 1938                    | 69.6                       | 1740                      | 25             | C25  |
|                             |                 | 1216                    |                             |                 | 1360                    |                             |                 | 1615                    | 58.0                       | 1450                      |                |      |
|                             |                 | 965                     |                             |                 | 1079                    |                             |                 | 1281                    | 46.0                       | 1150                      |                |      |
|                             |                 | 805                     |                             |                 | 901                     |                             |                 | 1069                    | 38.4                       | 960                       |                |      |
| 190                         | 26.985          | 1283                    | 220                         | 27.650          | 1450                    | 265                         | 28.350          | 1703                    | 62.1                       | 1740                      | 28             | C28  |
|                             |                 | 1069                    |                             |                 | 1208                    |                             |                 | 1419                    | 51.8                       | 1450                      |                |      |
|                             |                 | 848                     |                             |                 | 958                     |                             |                 | 1126                    | 41.1                       | 1150                      |                |      |
|                             |                 | 708                     |                             |                 | 800                     |                             |                 | 940                     | 34.3                       | 960                       |                |      |
| 190                         | 30.530          | 1134                    | 220                         | 31.493          | 1273                    | 265                         | 31.920          | 1513                    | 55.2                       | 1740                      | 31.5           | C32  |
|                             |                 | 945                     |                             |                 | 1061                    |                             |                 | 1261                    | 46.0                       | 1450                      |                |      |
|                             |                 | 749                     |                             |                 | 841                     |                             |                 | 1000                    | 36.5                       | 1150                      |                |      |
|                             |                 | 626                     |                             |                 | 702                     |                             |                 | 835                     | 30.5                       | 960                       |                |      |
| 190                         | 34.774          | 996                     | 220                         | 34.436          | 1164                    | 265                         | 36.357          | 1328                    | 49.0                       | 1740                      | 35.5           | C36  |
|                             |                 | 830                     |                             |                 | 970                     |                             |                 | 1107                    | 40.8                       | 1450                      |                |      |
|                             |                 | 658                     |                             |                 | 769                     |                             |                 | 878                     | 32.4                       | 1150                      |                |      |
|                             |                 | 549                     |                             |                 | 642                     |                             |                 | 733                     | 27.0                       | 960                       |                |      |
| 190                         | 38.023          | 910                     | 220                         | 38.403          | 1044                    | 265                         | 39.754          | 1215                    | 43.5                       | 1740                      | 40             | C40  |
|                             |                 | 759                     |                             |                 | 870                     |                             |                 | 1012                    | 36.3                       | 1450                      |                |      |
|                             |                 | 602                     |                             |                 | 690                     |                             |                 | 803                     | 28.8                       | 1150                      |                |      |
|                             |                 | 502                     |                             |                 | 576                     |                             |                 | 670                     | 24.0                       | 960                       |                |      |
| 190                         | 42.403          | 816                     | 220                         | 43.689          | 917                     | 265                         | 44.333          | 1089                    | 38.7                       | 1740                      | 45             | C45  |
|                             |                 | 680                     |                             |                 | 765                     |                             |                 | 908                     | 32.2                       | 1450                      |                |      |
|                             |                 | 540                     |                             |                 | 606                     |                             |                 | 720                     | 25.6                       | 1150                      |                |      |
|                             |                 | 450                     |                             |                 | 506                     |                             |                 | 601                     | 21.3                       | 960                       |                |      |
| 190                         | 48.240          | 718                     | 220                         | 49.375          | 812                     | 265                         | 50.436          | 957                     | 34.8                       | 1740                      | 50             | C50  |
|                             |                 | 598                     |                             |                 | 677                     |                             |                 | 798                     | 29.0                       | 1450                      |                |      |
|                             |                 | 474                     |                             |                 | 537                     |                             |                 | 633                     | 23.0                       | 1150                      |                |      |
|                             |                 | 396                     |                             |                 | 448                     |                             |                 | 528                     | 19.2                       | 960                       |                |      |
| 190                         | 54.518          | 635                     | 220                         | 56.702          | 707                     | 265                         | 57.000          | 847                     | 31.1                       | 1740                      | 56             | C56  |
|                             |                 | 529                     |                             |                 | 589                     |                             |                 | 706                     | 25.9                       | 1450                      |                |      |
|                             |                 | 420                     |                             |                 | 467                     |                             |                 | 560                     | 20.5                       | 1150                      |                |      |
|                             |                 | 350                     |                             |                 | 390                     |                             |                 | 467                     | 17.1                       | 960                       |                |      |
| 190                         | 62.608          | 553                     | 220                         | 64.893          | 618                     | 265                         | 65.458          | 738                     | 27.6                       | 1740                      | 63             | C63  |
|                             |                 | 461                     |                             |                 | 515                     |                             |                 | 615                     | 23.0                       | 1450                      |                |      |
|                             |                 | 365                     |                             |                 | 408                     |                             |                 | 488                     | 18.3                       | 1150                      |                |      |
|                             |                 | 305                     |                             |                 | 341                     |                             |                 | 407                     | 15.2                       | 960                       |                |      |
| 190                         | 71.653          | 483                     | 220                         | 71.509          | 561                     | 265                         | 74.914          | 645                     | 24.5                       | 1740                      | 71             | C71  |
|                             |                 | 403                     |                             |                 | 467                     |                             |                 | 537                     | 20.4                       | 1450                      |                |      |
|                             |                 | 319                     |                             |                 | 370                     |                             |                 | 426                     | 16.2                       | 1150                      |                |      |
|                             |                 | 267                     |                             |                 | 309                     |                             |                 | 356                     | 13.5                       | 960                       |                |      |
| 190                         | 78.957          | 438                     | 220                         | 80.463          | 498                     | 265                         | 82.552          | 585                     | 21.8                       | 1740                      | 80             | C80  |
|                             |                 | 365                     |                             |                 | 415                     |                             |                 | 487                     | 18.1                       | 1450                      |                |      |
|                             |                 | 290                     |                             |                 | 329                     |                             |                 | 387                     | 14.4                       | 1150                      |                |      |
|                             |                 | 242                     |                             |                 | 275                     |                             |                 | 323                     | 12.0                       | 960                       |                |      |
| 190                         | 88.845          | 390                     | 220                         | 88.480          | 453                     | 265                         | 92.889          | 520                     | 19.3                       | 1740                      | 90             | C90  |
|                             |                 | 325                     |                             |                 | 378                     |                             |                 | 433                     | 16.1                       | 1450                      |                |      |
|                             |                 | 258                     |                             |                 | 299                     |                             |                 | 344                     | 12.8                       | 1150                      |                |      |
|                             |                 | 215                     |                             |                 | 250                     |                             |                 | 287                     | 10.7                       | 960                       |                |      |
| 190                         | 97.697          | 354                     | 220                         | 98.750          | 406                     | 265                         | 102.144         | 473                     | 17.4                       | 1740                      | 100            | D10  |
|                             |                 | 295                     |                             |                 | 338                     |                             |                 | 394                     | 14.5                       | 1450                      |                |      |
|                             |                 | 234                     |                             |                 | 268                     |                             |                 | 312                     | 11.5                       | 1150                      |                |      |
|                             |                 | 195                     |                             |                 | 224                     |                             |                 | 261                     | 9.6                        | 960                       |                |      |
| 190                         | 109.036         | 317                     |                             |                 |                         | 265                         | 114.000         | 424                     | 15.5                       | 1740                      | 112            | D11  |
|                             |                 | 265                     |                             |                 |                         |                             |                 | 353                     | 12.9                       | 1450                      |                |      |
|                             |                 | 210                     |                             |                 |                         |                             |                 | 280                     | 10.3                       | 1150                      |                |      |
|                             |                 | 175                     |                             |                 |                         |                             |                 | 234                     | 8.6                        | 960                       |                |      |

### H3 (i<sub>N</sub>=16-90)

| Code | i <sub>N</sub> | n <sub>1</sub><br>(r/min) | n <sub>2N</sub><br>(r/min) | H319                      |                 |                         | H320                      |                 |                         | H321                      |                 |                         | H322                      |                 |                         |
|------|----------------|---------------------------|----------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|
|      |                |                           |                            | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) |
| C16  | 16             | 1740                      | 108.8                      | 330                       | 15.210          | 3953*                   | 380                       | 15.368          | 4505*                   |                           |                 |                         |                           |                 |                         |
|      |                | 1450                      | 90.6                       |                           |                 | 3294                    |                           |                 | 3754                    |                           |                 |                         |                           |                 |                         |
|      |                | 1150                      | 71.9                       |                           |                 | 2613                    |                           |                 | 2978                    |                           |                 |                         |                           |                 |                         |
|      |                | 960                       | 60.0                       |                           |                 | 2181                    |                           |                 | 2486                    |                           |                 |                         |                           |                 |                         |
| C18  | 18             | 1740                      | 96.7                       | 330                       | 17.428          | 3450*                   | 380                       | 17.212          | 4023*                   | 460                       | 17.090          | 4904*                   |                           |                 |                         |
|      |                | 1450                      | 80.6                       |                           |                 | 2875                    |                           |                 | 3352                    |                           |                 | 4087                    |                           |                 |                         |
|      |                | 1150                      | 63.9                       |                           |                 | 2280                    |                           |                 | 2659                    |                           |                 | 3241                    |                           |                 |                         |
|      |                | 960                       | 53.3                       |                           |                 | 1903                    |                           |                 | 2219                    |                           |                 | 2706                    |                           |                 |                         |
| C20  | 20             | 1740                      | 87.0                       | 330                       | 19.460          | 3090*                   | 380                       | 19.722          | 3511*                   | 460                       | 20.000          | 4191*                   | 520                       | 18.859          | 5024*                   |
|      |                | 1450                      | 72.5                       |                           |                 | 2575                    |                           |                 | 2926                    |                           |                 | 3492                    |                           |                 | 4186                    |
|      |                | 1150                      | 57.5                       |                           |                 | 2042                    |                           |                 | 2320                    |                           |                 | 2770                    |                           |                 | 3320                    |
|      |                | 960                       | 48.0                       |                           |                 | 1705                    |                           |                 | 1937                    |                           |                 | 2312                    |                           |                 | 2772                    |
| C22  | 22.4           | 1740                      | 77.7                       | 330                       | 21.809          | 2757*                   | 380                       | 22.021          | 3144*                   | 460                       | 22.787          | 3678*                   | 520                       | 22.070          | 4293*                   |
|      |                | 1450                      | 64.7                       |                           |                 | 2297                    |                           |                 | 2620                    |                           |                 | 3065                    |                           |                 | 3577                    |
|      |                | 1150                      | 51.3                       |                           |                 | 1822                    |                           |                 | 2078                    |                           |                 | 2431                    |                           |                 | 2837                    |
|      |                | 960                       | 42.9                       |                           |                 | 1521                    |                           |                 | 1735                    |                           |                 | 2029                    |                           |                 | 2368                    |
| C25  | 25             | 1740                      | 69.6                       | 330                       | 24.655          | 2439*                   | 380                       | 24.678          | 2806*                   | 460                       | 24.900          | 3366*                   | 520                       | 25.145          | 3768*                   |
|      |                | 1450                      | 58.0                       |                           |                 | 2032                    |                           |                 | 2338                    |                           |                 | 2805                    |                           |                 | 3140                    |
|      |                | 1150                      | 46.0                       |                           |                 | 1612                    |                           |                 | 1854                    |                           |                 | 2225                    |                           |                 | 2490                    |
|      |                | 960                       | 38.4                       |                           |                 | 1345                    |                           |                 | 1548                    |                           |                 | 1857                    |                           |                 | 2079                    |
| C28  | 28             | 1740                      | 62.1                       | 330                       | 26.667          | 2255*                   | 380                       | 27.899          | 2482*                   | 460                       | 28.148          | 2978*                   | 520                       | 27.478          | 3448*                   |
|      |                | 1450                      | 51.8                       |                           |                 | 1879                    |                           |                 | 2068                    |                           |                 | 2481                    |                           |                 | 2873                    |
|      |                | 1150                      | 41.1                       |                           |                 | 1490                    |                           |                 | 1640                    |                           |                 | 1968                    |                           |                 | 2279                    |
|      |                | 960                       | 34.3                       |                           |                 | 1244                    |                           |                 | 1369                    |                           |                 | 1643                    |                           |                 | 1902                    |
| C32  | 31.5           | 1740                      | 55.2                       | 330                       | 30.556          | 1968*                   | 380                       | 30.175          | 2294*                   | 460                       | 31.046          | 2700*                   | 520                       | 31.062          | 3050*                   |
|      |                | 1450                      | 46.0                       |                           |                 | 1640                    |                           |                 | 1912                    |                           |                 | 2250                    |                           |                 | 2542                    |
|      |                | 1150                      | 36.5                       |                           |                 | 1301                    |                           |                 | 1516                    |                           |                 | 1784                    |                           |                 | 2016                    |
|      |                | 960                       | 30.5                       |                           |                 | 1086                    |                           |                 | 1266                    |                           |                 | 1489                    |                           |                 | 1683                    |
| C36  | 35.5           | 1740                      | 49.0                       | 330                       | 34.118          | 1726*                   | 380                       | 34.576          | 2002*                   | 460                       | 34.604          | 2422*                   | 520                       | 34.259          | 2766*                   |
|      |                | 1450                      | 40.8                       |                           |                 | 1469                    |                           |                 | 1669                    |                           |                 | 2018                    |                           |                 | 2305                    |
|      |                | 1150                      | 32.4                       |                           |                 | 1165                    |                           |                 | 1323                    |                           |                 | 1601                    |                           |                 | 1828                    |
|      |                | 960                       | 27.0                       |                           |                 | 972                     |                           |                 | 1105                    |                           |                 | 1336                    |                           |                 | 1526                    |
| C40  | 40             | 1740                      | 43.5                       | 330                       | 38.235          | 1573*                   | 380                       | 38.607          | 1793*                   | 460                       | 39.118          | 2143*                   | 520                       | 38.186          | 2481*                   |
|      |                | 1450                      | 36.3                       |                           |                 | 1310                    |                           |                 | 1494                    |                           |                 | 1785                    |                           |                 | 2068                    |
|      |                | 1150                      | 28.8                       |                           |                 | 1039                    |                           |                 | 1185                    |                           |                 | 1416                    |                           |                 | 1640                    |
|      |                | 960                       | 24.0                       |                           |                 | 868                     |                           |                 | 989                     |                           |                 | 1182                    |                           |                 | 1369                    |
| C45  | 45             | 1740                      | 38.7                       | 330                       | 43.226          | 1391*                   | 380                       | 43.266          | 1600*                   | 460                       | 43.144          | 1943*                   | 520                       | 43.167          | 2195                    |
|      |                | 1450                      | 32.2                       |                           |                 | 1159                    |                           |                 | 1334                    |                           |                 | 1619                    |                           |                 | 1829                    |
|      |                | 1150                      | 25.6                       |                           |                 | 919                     |                           |                 | 1058                    |                           |                 | 1284                    |                           |                 | 1451                    |
|      |                | 960                       | 21.3                       |                           |                 | 767                     |                           |                 | 883                     |                           |                 | 1072                    |                           |                 | 1211                    |
| C50  | 50             | 1740                      | 34.8                       | 330                       | 48.276          | 1245                    | 380                       | 48.913          | 1415*                   | 460                       | 48.322          | 1734*                   | 520                       | 47.610          | 1990                    |
|      |                | 1450                      | 29.0                       |                           |                 | 1038                    |                           |                 | 1180                    |                           |                 | 1445                    |                           |                 | 1658                    |
|      |                | 1150                      | 23.0                       |                           |                 | 823                     |                           |                 | 936                     |                           |                 | 1146                    |                           |                 | 1315                    |
|      |                | 960                       | 19.2                       |                           |                 | 687                     |                           |                 | 781                     |                           |                 | 957                     |                           |                 | 1098                    |
| C56  | 56             | 1740                      | 31.1                       | 330                       | 55.172          | 1090                    | 380                       | 54.628          | 1267                    | 460                       | 54.260          | 1545*                   | 520                       | 53.324          | 1777                    |
|      |                | 1450                      | 25.9                       |                           |                 | 908                     |                           |                 | 1056                    |                           |                 | 1287                    |                           |                 | 1481                    |
|      |                | 1150                      | 20.5                       |                           |                 | 720                     |                           |                 | 838                     |                           |                 | 1021                    |                           |                 | 1174                    |
|      |                | 960                       | 17.1                       |                           |                 | 601                     |                           |                 | 699                     |                           |                 | 852                     |                           |                 | 980                     |
| C63  | 63             | 1740                      | 27.6                       | 330                       | 63.846          | 942                     | 380                       | 62.432          | 1109                    | 460                       | 60.025          | 1396*                   | 520                       | 59.876          | 1582                    |
|      |                | 1450                      | 23.0                       |                           |                 | 785                     |                           |                 | 924                     |                           |                 | 1164                    |                           |                 | 1319                    |
|      |                | 1150                      | 18.3                       |                           |                 | 622                     |                           |                 | 733                     |                           |                 | 923                     |                           |                 | 1046                    |
|      |                | 960                       | 15.2                       |                           |                 | 520                     |                           |                 | 612                     |                           |                 | 770                     |                           |                 | 873                     |
| C71  | 71             | 1740                      | 24.5                       | 330                       | 70.833          | 849                     | 380                       | 72.247          | 958                     | 460                       | 68.119          | 1230*                   | 520                       | 66.239          | 1430                    |
|      |                | 1450                      | 20.4                       |                           |                 | 707                     |                           |                 | 799                     |                           |                 | 1025                    |                           |                 | 1192                    |
|      |                | 1150                      | 16.2                       |                           |                 | 561                     |                           |                 | 633                     |                           |                 | 813                     |                           |                 | 945                     |
|      |                | 960                       | 13.5                       |                           |                 | 468                     |                           |                 | 529                     |                           |                 | 679                     |                           |                 | 789                     |
| C80  | 80             | 1740                      | 21.8                       | 330                       | 79.091          | 760                     | 380                       | 80.154          | 864                     |                           |                 |                         | 520                       | 75.170          | 1260                    |
|      |                | 1450                      | 18.1                       |                           |                 | 634                     |                           |                 | 720                     |                           |                 |                         |                           |                 | 1050                    |
|      |                | 1150                      | 14.4                       |                           |                 | 502                     |                           |                 | 571                     |                           |                 |                         |                           |                 | 833                     |
|      |                | 960                       | 12.0                       |                           |                 | 419                     |                           |                 | 477                     |                           |                 |                         |                           |                 | 695                     |
| C90  | 90             | 1740                      | 19.3                       |                           |                 |                         | 380                       | 89.498          | 774                     |                           |                 |                         |                           |                 |                         |
|      |                | 1450                      | 16.1                       |                           |                 |                         |                           |                 | 645                     |                           |                 |                         |                           |                 |                         |
|      |                | 1150                      | 12.8                       |                           |                 |                         |                           |                 | 511                     |                           |                 |                         |                           |                 |                         |
|      |                | 960                       | 10.7                       |                           |                 |                         |                           |                 | 427                     |                           |                 |                         |                           |                 |                         |

卧式安装齿轮箱  
应采用强制润滑。  
 \* 敬请垂询

Forced lubrication required  
on horizontal gearbox.  
 \* On request.

| H323                      |                 |                         | H324                      |                 |                         | H325                      |                 |                         | H326                      |                 |                         | n <sub>2N</sub><br>(r/min) | n <sub>1</sub><br>(r/min) | i <sub>N</sub> | Code |
|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|----------------------------|---------------------------|----------------|------|
| T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) |                            |                           |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 108.8                      | 1740                      | 16             | C16  |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 90.6                       | 1450                      |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 71.9                       | 1150                      |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 60.0                       | 960                       |                |      |
| 640                       | 16.768          | *                       |                           |                 |                         | 860                       | 17.104          | *                       | 1030                      | 17.140          | *                       | 96.7                       | 1740                      | 18             | C18  |
|                           |                 | *                       |                           |                 |                         |                           |                 | *                       |                           |                 | *                       | 80.6                       | 1450                      |                |      |
|                           |                 | 4596                    |                           |                 |                         |                           |                 | 6055                    |                           |                 | 7236                    | 63.9                       | 1150                      |                |      |
|                           |                 | 3837                    |                           |                 |                         |                           |                 | 5054                    |                           |                 | 6041                    | 53.3                       | 960                       |                |      |
| 640                       | 19.624          | *                       | 725                       | 19.004          |                         | 860                       | 19.962          | *                       | 1030                      | 20.004          | *                       | 87.0                       | 1740                      | 20             | C20  |
|                           |                 | *                       |                           |                 |                         |                           |                 | *                       |                           |                 | *                       | 72.5                       | 1450                      |                |      |
|                           |                 | 3927                    |                           |                 |                         |                           |                 | 5188                    |                           |                 | 6200                    | 57.5                       | 1150                      |                |      |
|                           |                 | 3278                    |                           |                 |                         |                           |                 | 4331                    |                           |                 | 5176                    | 48.0                       | 960                       |                |      |
| 640                       | 22.358          | *                       | 725                       | 22.240          |                         | 860                       | 22.787          | *                       | 1030                      | 22.835          | *                       | 77.7                       | 1740                      | 22.4           | C22  |
|                           |                 | *                       |                           |                 |                         |                           |                 | *                       |                           |                 | *                       | 64.7                       | 1450                      |                |      |
|                           |                 | 3447                    |                           |                 |                         |                           |                 | 4545                    |                           |                 | 5432                    | 51.3                       | 1150                      |                |      |
|                           |                 | 2877                    |                           |                 |                         |                           |                 | 3794                    |                           |                 | 4534                    | 42.9                       | 960                       |                |      |
| 640                       | 24.432          | *                       | 725                       | 25.339          |                         | 860                       | 25.852          | *                       | 1030                      | 25.907          | *                       | 69.6                       | 1740                      | 25             | C25  |
|                           |                 | *                       |                           |                 |                         |                           |                 | *                       |                           |                 | *                       | 58.0                       | 1450                      |                |      |
|                           |                 | 3154                    |                           |                 |                         |                           |                 | 4006                    |                           |                 | 4788                    | 46.0                       | 1150                      |                |      |
|                           |                 | 2633                    |                           |                 |                         |                           |                 | 3344                    |                           |                 | 3997                    | 38.4                       | 960                       |                |      |
| 640                       | 27.619          | *                       | 725                       | 27.689          |                         | 860                       | 28.194          | *                       | 1030                      | 28.253          | *                       | 62.1                       | 1740                      | 28             | C28  |
|                           |                 | *                       |                           |                 |                         |                           |                 | *                       |                           |                 | *                       | 51.8                       | 1450                      |                |      |
|                           |                 | 2790                    |                           |                 |                         |                           |                 | 3673                    |                           |                 | 4390                    | 41.1                       | 1150                      |                |      |
|                           |                 | 2329                    |                           |                 |                         |                           |                 | 3066                    |                           |                 | 3665                    | 34.3                       | 960                       |                |      |
| 640                       | 30.462          | *                       | 725                       | 31.301          |                         | 860                       | 31.688          | *                       | 1030                      | 31.755          | *                       | 55.2                       | 1740                      | 31.5           | C32  |
|                           |                 | *                       |                           |                 |                         |                           |                 | *                       |                           |                 | *                       | 46.0                       | 1450                      |                |      |
|                           |                 | 2530                    |                           |                 |                         |                           |                 | 3268                    |                           |                 | 3906                    | 36.5                       | 1150                      |                |      |
|                           |                 | 2112                    |                           |                 |                         |                           |                 | 2728                    |                           |                 | 3261                    | 30.5                       | 960                       |                |      |
| 640                       | 33.767          | *                       | 725                       | 34.523          |                         | 860                       | 36.845          | *                       | 1030                      | 36.922          | *                       | 49.0                       | 1740                      | 35.5           | C36  |
|                           |                 | *                       |                           |                 |                         |                           |                 | *                       |                           |                 | *                       | 40.8                       | 1450                      |                |      |
|                           |                 | 2282                    |                           |                 |                         |                           |                 | 2811                    |                           |                 | 3359                    | 32.4                       | 1150                      |                |      |
|                           |                 | 1905                    |                           |                 |                         |                           |                 | 2346                    |                           |                 | 2804                    | 27.0                       | 960                       |                |      |
| 640                       | 38.172          | *                       | 725                       | 38.270          |                         | 860                       | 40.181          | *                       | 1030                      | 40.266          | *                       | 43.5                       | 1740                      | 40             | C40  |
|                           |                 | *                       |                           |                 |                         |                           |                 | *                       |                           |                 | *                       | 36.3                       | 1450                      |                |      |
|                           |                 | 2019                    |                           |                 |                         |                           |                 | 2577                    |                           |                 | 3080                    | 28.8                       | 1150                      |                |      |
|                           |                 | 1685                    |                           |                 |                         |                           |                 | 2152                    |                           |                 | 2571                    | 24.0                       | 960                       |                |      |
| 640                       | 42.101          | *                       | 725                       | 43.262          |                         | 860                       | 45.162          | *                       | 1030                      | 45.257          | *                       | 38.7                       | 1740                      | 45             | C45  |
|                           |                 | *                       |                           |                 |                         |                           |                 | *                       |                           |                 | *                       | 32.2                       | 1450                      |                |      |
|                           |                 | 1831                    |                           |                 |                         |                           |                 | 2293                    |                           |                 | 2741                    | 25.6                       | 1150                      |                |      |
|                           |                 | 1528                    |                           |                 |                         |                           |                 | 1914                    |                           |                 | 2288                    | 21.3                       | 960                       |                |      |
| 640                       | 47.154          | *                       | 725                       | 47.715          |                         | 860                       | 49.547          | *                       | 1030                      | 49.651          | *                       | 34.8                       | 1740                      | 50             | C50  |
|                           |                 | 2061                    |                           |                 |                         |                           |                 | *                       |                           |                 | *                       | 29.0                       | 1450                      |                |      |
|                           |                 | 1634                    |                           |                 |                         |                           |                 | 2090                    |                           |                 | 2498                    | 23.0                       | 1150                      |                |      |
|                           |                 | 1364                    |                           |                 |                         |                           |                 | 1745                    |                           |                 | 2085                    | 19.2                       | 960                       |                |      |
| 640                       | 52.948          | *                       | 725                       | 53.441          |                         | 860                       | 55.308          | *                       | 1030                      | 55.424          | *                       | 31.1                       | 1740                      | 56             | C56  |
|                           |                 | 1835                    |                           |                 |                         |                           |                 | *                       |                           |                 | *                       | 25.9                       | 1450                      |                |      |
|                           |                 | 1456                    |                           |                 |                         |                           |                 | 1872                    |                           |                 | 2238                    | 20.5                       | 1150                      |                |      |
|                           |                 | 1215                    |                           |                 |                         |                           |                 | 1563                    |                           |                 | 1868                    | 17.1                       | 960                       |                |      |
| 640                       | 58.574          | *                       | 725                       | 60.008          |                         | 860                       | 61.924          | *                       | 1030                      | 62.054          | *                       | 27.6                       | 1740                      | 63             | C63  |
|                           |                 | 1659                    |                           |                 |                         |                           |                 | 2109                    |                           |                 | *                       | 23.0                       | 1450                      |                |      |
|                           |                 | 1316                    |                           |                 |                         |                           |                 | 1672                    |                           |                 | 1999                    | 18.3                       | 1150                      |                |      |
|                           |                 | 1098                    |                           |                 |                         |                           |                 | 1396                    |                           |                 | 1669                    | 15.2                       | 960                       |                |      |
| 640                       | 66.472          | *                       | 725                       | 66.384          |                         | 860                       | 68.221          | *                       | 1030                      | 68.365          | *                       | 24.5                       | 1740                      | 71             | C71  |
|                           |                 | 1462                    |                           |                 |                         |                           |                 | 1914                    |                           |                 | 2288                    | 20.4                       | 1450                      |                |      |
|                           |                 | 1159                    |                           |                 |                         |                           |                 | 1518                    |                           |                 | 1814                    | 16.2                       | 1150                      |                |      |
|                           |                 | 968                     |                           |                 |                         |                           |                 | 1267                    |                           |                 | 1515                    | 13.5                       | 960                       |                |      |
|                           |                 |                         | 725                       | 75.335          |                         | 860                       | 77.002          | *                       | 1030                      | 77.164          | *                       | 21.8                       | 1740                      | 80             | C80  |
|                           |                 |                         |                           |                 |                         |                           |                 | 1461                    |                           |                 | 2027                    | 18.1                       | 1450                      |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 | 1159                    |                           |                 | 1607                    | 14.4                       | 1150                      |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 | 967                     |                           |                 | 1342                    | 12.0                       | 960                       |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 19.3                       | 1740                      | 90             | C90  |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 16.1                       | 1450                      |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 12.8                       | 1150                      |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 10.7                       | 960                       |                |      |

# H4 (iN=71-400)

| Code | $i_N$ | $n_1$<br>(r/min) | $n_{2N}$<br>(r/min) | H407               |          |                  | H408               |          |                  | H409               |          |                  |
|------|-------|------------------|---------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|
|      |       |                  |                     | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{IN}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{IN}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{IN}$<br>(kW) |
| C71  | 71    | 1740             | 24.5                | 21.7               | 71.2     | 56               | 28.5               | 70.3     | 71               | 35.7               | 65.9     | 91               |
|      |       | 1450             | 20.4                |                    |          | 46.5             |                    |          | 59               |                    |          | 76               |
|      |       | 1150             | 16.2                |                    |          | 36.9             |                    |          | 46.8             |                    |          | 60               |
|      |       | 960              | 13.5                |                    |          | 30.8             |                    |          | 39.1             |                    |          | 50               |
| C80  | 80    | 1740             | 21.8                | 21.7               | 81.1     | 48.7             | 28.5               | 80.0     | 62               | 35.7               | 74.9     | 81               |
|      |       | 1450             | 18.1                |                    |          | 40.6             |                    |          | 52               |                    |          | 67               |
|      |       | 1150             | 14.4                |                    |          | 32.2             |                    |          | 41.2             |                    |          | 53               |
|      |       | 960              | 12.0                |                    |          | 26.9             |                    |          | 34.4             |                    |          | 44.5             |
| C90  | 90    | 1740             | 19.3                | 21.7               | 89.9     | 43.3             | 28.5               | 88.7     | 56               | 35.7               | 86.8     | 72               |
|      |       | 1450             | 16.1                |                    |          | 36.1             |                    |          | 47.0             |                    |          | 60               |
|      |       | 1150             | 12.8                |                    |          | 28.6             |                    |          | 37.3             |                    |          | 47.4             |
|      |       | 960              | 10.7                |                    |          | 23.9             |                    |          | 31.1             |                    |          | 39.5             |
| D10  | 100   | 1740             | 17.4                | 21.7               | 103.1    | 39.6             | 28.5               | 101.8    | 50               | 35.7               | 94.6     | 65               |
|      |       | 1450             | 14.5                |                    |          | 33.0             |                    |          | 42.0             |                    |          | 54               |
|      |       | 1150             | 11.5                |                    |          | 26.2             |                    |          | 33.3             |                    |          | 42.8             |
|      |       | 960              | 9.6                 |                    |          | 21.8             |                    |          | 27.8             |                    |          | 35.8             |
| D11  | 112   | 1740             | 15.5                | 21.7               | 116.0    | 34.8             | 28.5               | 114.5    | 44.6             | 35.7               | 106.4    | 58               |
|      |       | 1450             | 12.9                |                    |          | 29.0             |                    |          | 37.2             |                    |          | 48.0             |
|      |       | 1150             | 10.3                |                    |          | 23.0             |                    |          | 29.5             |                    |          | 38.1             |
|      |       | 960              | 8.57                |                    |          | 19.2             |                    |          | 24.6             |                    |          | 31.8             |
| D13  | 125   | 1740             | 13.9                | 21.7               | 126.6    | 31.2             | 28.5               | 125.0    | 40.9             | 35.7               | 117.1    | 52               |
|      |       | 1450             | 11.6                |                    |          | 26.0             |                    |          | 34.1             |                    |          | 43.0             |
|      |       | 1150             | 9.20                |                    |          | 20.6             |                    |          | 27.0             |                    |          | 34.1             |
|      |       | 960              | 7.68                |                    |          | 17.2             |                    |          | 22.6             |                    |          | 28.5             |
| D14  | 140   | 1740             | 12.4                | 21.7               | 144.1    | 27.6             | 28.5               | 142.2    | 36.2             | 35.7               | 133.1    | 45.6             |
|      |       | 1450             | 10.4                |                    |          | 23.0             |                    |          | 30.2             |                    |          | 38.0             |
|      |       | 1150             | 8.21                |                    |          | 18.2             |                    |          | 24.0             |                    |          | 30.1             |
|      |       | 960              | 6.86                |                    |          | 15.2             |                    |          | 20.0             |                    |          | 25.2             |
| D16  | 160   | 1740             | 10.9                | 21.7               | 159.8    | 24.0             | 28.5               | 157.7    | 32.4             | 35.7               | 154.3    | 40.8             |
|      |       | 1450             | 9.06                |                    |          | 20.0             |                    |          | 27.0             |                    |          | 34.0             |
|      |       | 1150             | 7.19                |                    |          | 15.9             |                    |          | 21.4             |                    |          | 27.0             |
|      |       | 960              | 6.00                |                    |          | 13.2             |                    |          | 17.9             |                    |          | 22.5             |
| D18  | 180   | 1740             | 9.67                | 21.7               | 183.3    | 21.6             | 28.5               | 180.9    | 28.8             | 35.7               | 168.2    | 36.0             |
|      |       | 1450             | 8.06                |                    |          | 18.0             |                    |          | 24.0             |                    |          | 30.0             |
|      |       | 1150             | 6.39                |                    |          | 14.3             |                    |          | 19.0             |                    |          | 23.8             |
|      |       | 960              | 5.33                |                    |          | 11.9             |                    |          | 15.9             |                    |          | 19.9             |
| D20  | 200   | 1740             | 8.70                | 21.7               | 206.2    | 19.2             | 28.5               | 203.5    | 25.7             | 35.7               | 189.2    | 32.4             |
|      |       | 1450             | 7.25                |                    |          | 16.0             |                    |          | 21.4             |                    |          | 27.0             |
|      |       | 1150             | 5.75                |                    |          | 12.7             |                    |          | 17.0             |                    |          | 21.4             |
|      |       | 960              | 4.80                |                    |          | 10.6             |                    |          | 14.2             |                    |          | 17.9             |
| D22  | 224   | 1740             | 7.77                | 21.7               | 230.5    | 18.0             | 28.5               | 227.4    | 23.2             | 35.7               | 207.4    | 28.8             |
|      |       | 1450             | 6.47                |                    |          | 15.0             |                    |          | 19.3             |                    |          | 24.0             |
|      |       | 1150             | 5.13                |                    |          | 11.9             |                    |          | 15.3             |                    |          | 19.0             |
|      |       | 960              | 4.29                |                    |          | 9.9              |                    |          | 12.8             |                    |          | 15.9             |
| D25  | 250   | 1740             | 6.96                | 21.7               | 256.6    | 15.6             | 28.5               | 253.3    | 20.9             | 35.7               | 239.6    | 25.2             |
|      |       | 1450             | 5.80                |                    |          | 13.0             |                    |          | 17.4             |                    |          | 21.0             |
|      |       | 1150             | 4.60                |                    |          | 10.3             |                    |          | 13.8             |                    |          | 16.7             |
|      |       | 960              | 3.84                |                    |          | 8.6              |                    |          | 11.5             |                    |          | 13.9             |
| D28  | 280   | 1740             | 6.21                | 21.7               | 281.2    | 14.4             | 28.5               | 277.5    | 18.0             | 35.7               | 255.5    | 22.8             |
|      |       | 1450             | 5.18                |                    |          | 12.0             |                    |          | 15.0             |                    |          | 19.0             |
|      |       | 1150             | 4.11                |                    |          | 9.5              |                    |          | 11.9             |                    |          | 15.1             |
|      |       | 960              | 3.43                |                    |          | 7.9              |                    |          | 9.9              |                    |          | 12.6             |
| D32  | 315   | 1740             | 5.52                | 21.7               | 305.8    | 12.0             | 28.5               | 301.8    | 16.8             | 35.7               | 295      | 20.4             |
|      |       | 1450             | 4.60                |                    |          | 10.0             |                    |          | 14.0             |                    |          | 17.0             |
|      |       | 1150             | 3.65                |                    |          | 7.9              |                    |          | 11.1             |                    |          | 13.5             |
|      |       | 960              | 3.05                |                    |          | 6.6              |                    |          | 9.3              |                    |          | 11.3             |
| D36  | 355   | 1740             | 4.90                |                    |          |                  |                    |          |                  | 35.7               | 335.4    | 18.0             |
|      |       | 1450             | 4.08                |                    |          |                  |                    |          |                  |                    |          | 15.0             |
|      |       | 1150             | 3.24                |                    |          |                  |                    |          |                  |                    |          | 11.9             |
|      |       | 960              | 2.70                |                    |          |                  |                    |          |                  |                    |          | 9.9              |
| D40  | 400   | 1740             | 4.35                |                    |          |                  |                    |          |                  | 35.7               | 372.7    | 16.0             |
|      |       | 1450             | 3.63                |                    |          |                  |                    |          |                  |                    |          | 13.3             |
|      |       | 1150             | 2.88                |                    |          |                  |                    |          |                  |                    |          | 10.6             |
|      |       | 960              | 2.40                |                    |          |                  |                    |          |                  |                    |          | 8.8              |

| H410               |          |                  | H411               |          |                  | H412               |          |                  | $n_{2N}$<br>(r/min) | $n_1$<br>(r/min) | $i_N$ | Code |
|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|---------------------|------------------|-------|------|
| $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) |                     |                  |       |      |
| 47                 | 65.0     | 121              | 62                 | 70.7     | 157              | 78                 | 70.8     | 201              | 24.5                | 1740             | 71    | C71  |
|                    |          | 101              |                    |          | 131              |                    |          | 167              | 20.4                | 1450             |       |      |
|                    |          | 80               |                    |          | 104              |                    |          | 133              | 16.2                | 1150             |       |      |
|                    |          | 67               |                    |          | 87               |                    |          | 111              | 13.5                | 960              |       |      |
| 47                 | 73.9     | 107              | 62                 | 77.4     | 139              | 78                 | 77.5     | 176              | 21.8                | 1740             | 80    | C80  |
|                    |          | 89               |                    |          | 116              |                    |          | 147              | 18.1                | 1450             |       |      |
|                    |          | 71               |                    |          | 92               |                    |          | 117              | 14.4                | 1150             |       |      |
|                    |          | 59               |                    |          | 77               |                    |          | 97               | 12.0                | 960              |       |      |
| 47                 | 85.7     | 95               | 62                 | 91.5     | 123              | 78                 | 91.6     | 156              | 19.3                | 1740             | 90    | C90  |
|                    |          | 79               |                    |          | 103              |                    |          | 130              | 16.1                | 1450             |       |      |
|                    |          | 63               |                    |          | 82               |                    |          | 103              | 12.8                | 1150             |       |      |
|                    |          | 52               |                    |          | 68               |                    |          | 86               | 10.7                | 960              |       |      |
| 47                 | 93.5     | 86               | 62                 | 102.5    | 112              | 78                 | 102.6    | 140              | 17.4                | 1740             | 100   | D10  |
|                    |          | 71               |                    |          | 93               |                    |          | 117              | 14.5                | 1450             |       |      |
|                    |          | 57               |                    |          | 74               |                    |          | 93               | 11.5                | 1150             |       |      |
|                    |          | 47.2             |                    |          | 62               |                    |          | 77               | 9.6                 | 960              |       |      |
| 47                 | 105.1    | 76               | 62                 | 109.4    | 100              | 78                 | 109.6    | 126              | 15.5                | 1740             | 112   | D11  |
|                    |          | 64               |                    |          | 83               |                    |          | 105              | 12.9                | 1450             |       |      |
|                    |          | 51               |                    |          | 66               |                    |          | 84               | 10.3                | 1150             |       |      |
|                    |          | 42.2             |                    |          | 55               |                    |          | 70               | 8.57                | 960              |       |      |
| 47                 | 115.6    | 69               | 62                 | 125.2    | 89               | 78                 | 125.4    | 114              | 13.9                | 1740             | 125   | D13  |
|                    |          | 57               |                    |          | 74               |                    |          | 95               | 11.6                | 1450             |       |      |
|                    |          | 45.3             |                    |          | 59               |                    |          | 75               | 9.20                | 1150             |       |      |
|                    |          | 37.8             |                    |          | 49.0             |                    |          | 63               | 7.68                | 960              |       |      |
| 47                 | 131.4    | 61               | 62                 | 141.5    | 80               | 78                 | 141.7    | 101              | 12.4                | 1740             | 140   | D14  |
|                    |          | 51               |                    |          | 67               |                    |          | 84               | 10.4                | 1450             |       |      |
|                    |          | 40.4             |                    |          | 53               |                    |          | 67               | 8.21                | 1150             |       |      |
|                    |          | 33.7             |                    |          | 44.4             |                    |          | 56               | 6.86                | 960              |       |      |
| 47                 | 152.4    | 54               | 62                 | 167.3    | 70               | 78                 | 167.5    | 88               | 10.9                | 1740             | 160   | D16  |
|                    |          | 44.6             |                    |          | 58               |                    |          | 73               | 9.06                | 1450             |       |      |
|                    |          | 35.4             |                    |          | 46.0             |                    |          | 58               | 7.19                | 1150             |       |      |
|                    |          | 29.5             |                    |          | 38.4             |                    |          | 48.3             | 6.00                | 960              |       |      |
| 47                 | 166.1    | 47.6             | 62                 | 187.4    | 61               | 78                 | 187.7    | 78               | 9.67                | 1740             | 180   | D18  |
|                    |          | 39.6             |                    |          | 51               |                    |          | 65               | 8.06                | 1450             |       |      |
|                    |          | 31.4             |                    |          | 40.4             |                    |          | 52               | 6.39                | 1150             |       |      |
|                    |          | 26.2             |                    |          | 33.8             |                    |          | 43.0             | 5.33                | 960              |       |      |
| 47                 | 186.8    | 42.8             | 62                 | 200.1    | 55               | 78                 | 200.4    | 71               | 8.70                | 1740             | 200   | D20  |
|                    |          | 35.7             |                    |          | 46.0             |                    |          | 59               | 7.25                | 1450             |       |      |
|                    |          | 28.3             |                    |          | 36.5             |                    |          | 46.8             | 5.75                | 1150             |       |      |
|                    |          | 23.6             |                    |          | 30.5             |                    |          | 39.1             | 4.80                | 960              |       |      |
| 47                 | 204.8    | 38.2             | 62                 | 229.0    | 50               | 78                 | 229.3    | 62               | 7.77                | 1740             | 224   | D22  |
|                    |          | 31.9             |                    |          | 42.0             |                    |          | 52               | 6.47                | 1450             |       |      |
|                    |          | 25.3             |                    |          | 33.3             |                    |          | 41.2             | 5.13                | 1150             |       |      |
|                    |          | 21.1             |                    |          | 27.8             |                    |          | 34.4             | 4.29                | 960              |       |      |
| 47                 | 236.6    | 34.3             | 62                 | 254.5    | 44.4             | 78                 | 254.9    | 56               | 6.96                | 1740             | 250   | D25  |
|                    |          | 28.5             |                    |          | 37.0             |                    |          | 47.0             | 5.80                | 1450             |       |      |
|                    |          | 22.6             |                    |          | 29.3             |                    |          | 37.3             | 4.60                | 1150             |       |      |
|                    |          | 18.9             |                    |          | 24.5             |                    |          | 31.1             | 3.84                | 960              |       |      |
| 47                 | 252.3    | 30.6             | 62                 | 288.7    | 39.6             | 78                 | 289.1    | 52               | 6.21                | 1740             | 280   | D28  |
|                    |          | 25.5             |                    |          | 33.0             |                    |          | 43.0             | 5.18                | 1450             |       |      |
|                    |          | 20.2             |                    |          | 26.2             |                    |          | 34.1             | 4.11                | 1150             |       |      |
|                    |          | 16.9             |                    |          | 21.8             |                    |          | 28.5             | 3.43                | 960              |       |      |
| 47                 | 291.3    | 27.2             | 62                 | 323.5    | 34.8             | 78                 | 324.0    | 45.6             | 5.52                | 1740             | 315   | D32  |
|                    |          | 22.7             |                    |          | 29.0             |                    |          | 38.0             | 4.60                | 1450             |       |      |
|                    |          | 18               |                    |          | 23.0             |                    |          | 30.1             | 3.65                | 1150             |       |      |
|                    |          | 15               |                    |          | 19.2             |                    |          | 25.2             | 3.05                | 960              |       |      |
| 47                 | 331.2    | 24.1             | 62                 | 369.3    | 31.2             | 78                 | 369.8    | 39.6             | 4.90                | 1740             | 355   | D36  |
|                    |          | 20.1             |                    |          | 26.0             |                    |          | 33.0             | 4.08                | 1450             |       |      |
|                    |          | 15.9             |                    |          | 20.6             |                    |          | 26.2             | 3.24                | 1150             |       |      |
|                    |          | 13.3             |                    |          | 17.2             |                    |          | 21.8             | 2.70                | 960              |       |      |
| 47                 | 368      | 21.4             | 62                 | 393.6    | 27.7             | 78                 | 394.1    | 36.0             | 4.35                | 1740             | 400   | D40  |
|                    |          | 17.8             |                    |          | 23.1             |                    |          | 30.0             | 3.63                | 1450             |       |      |
|                    |          | 14.1             |                    |          | 18.3             |                    |          | 23.8             | 2.88                | 1150             |       |      |
|                    |          | 11.8             |                    |          | 15.3             |                    |          | 19.9             | 2.40                | 960              |       |      |



# H4 (iN=63-450)

| Code | $i_N$ | $n_1$<br>(r/min) | $n_{2N}$<br>(r/min) | H413               |          |                  | H414               |          |                  | H415               |          |                  |
|------|-------|------------------|---------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|
|      |       |                  |                     | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) |
| C63  | 63    | 1740             | 27.6                |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 1450             | 23.0                |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 1150             | 18.3                |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 960              | 15.2                |                    |          |                  |                    |          |                  |                    |          |                  |
| C71  | 71    | 1740             | 24.5                | 91                 | 67.606   | 245              | 125                | 67.656   | 337              | 153                | 67.549   | 413              |
|      |       | 1450             | 20.4                |                    |          | 204              |                    |          | 281              |                    |          | 344              |
|      |       | 1150             | 16.2                |                    |          | 162              |                    |          | 222              |                    |          | 273              |
|      |       | 960              | 13.5                |                    |          | 135              |                    |          | 186              |                    |          | 228              |
| C80  | 80    | 1740             | 21.8                | 91                 | 75.714   | 219              | 125                | 75.770   | 301              | 153                | 75.543   | 369              |
|      |       | 1450             | 18.1                |                    |          | 182              |                    |          | 250              |                    |          | 308              |
|      |       | 1150             | 14.4                |                    |          | 145              |                    |          | 199              |                    |          | 244              |
|      |       | 960              | 12.0                |                    |          | 121              |                    |          | 166              |                    |          | 204              |
| C90  | 90    | 1740             | 19.3                | 91                 | 89.261   | 186              | 125                | 89.327   | 255              | 153                | 84.050   | 332              |
|      |       | 1450             | 16.1                |                    |          | 155              |                    |          | 212              |                    |          | 276              |
|      |       | 1150             | 12.8                |                    |          | 123              |                    |          | 169              |                    |          | 219              |
|      |       | 960              | 10.7                |                    |          | 102              |                    |          | 141              |                    |          | 183              |
| D10  | 100   | 1740             | 17.4                | 91                 | 96.850   | 171              | 125                | 96.922   | 235              | 153                | 94.676   | 294              |
|      |       | 1450             | 14.5                |                    |          | 143              |                    |          | 196              |                    |          | 245              |
|      |       | 1150             | 11.5                |                    |          | 113              |                    |          | 155              |                    |          | 195              |
|      |       | 960              | 9.6                 |                    |          | 94               |                    |          | 130              |                    |          | 162              |
| D11  | 112   | 1740             | 15.5                | 91                 | 113.091  | 147              | 125                | 113.175  | 201              | 153                | 109.118  | 255              |
|      |       | 1450             | 12.9                |                    |          | 122              |                    |          | 168              |                    |          | 213              |
|      |       | 1150             | 10.3                |                    |          | 97               |                    |          | 133              |                    |          | 169              |
|      |       | 960              | 8.6                 |                    |          | 81               |                    |          | 111              |                    |          | 141              |
| D13  | 125   | 1740             | 13.9                | 91                 | 125.308  | 132              | 125                | 125.402  | 182              | 153                | 120.406  | 232              |
|      |       | 1450             | 11.6                |                    |          | 110              |                    |          | 151              |                    |          | 193              |
|      |       | 1150             | 9.2                 |                    |          | 87               |                    |          | 120              |                    |          | 153              |
|      |       | 960              | 7.7                 |                    |          | 73               |                    |          | 100              |                    |          | 128              |
| D14  | 140   | 1740             | 12.4                | 91                 | 131.237  | 126              | 125                | 131.335  | 173              | 153                | 141.544  | 197              |
|      |       | 1450             | 10.4                |                    |          | 105              |                    |          | 145              |                    |          | 164              |
|      |       | 1150             | 8.2                 |                    |          | 83               |                    |          | 115              |                    |          | 130              |
|      |       | 960              | 6.9                 |                    |          | 70               |                    |          | 96               |                    |          | 109              |
| D16  | 160   | 1740             | 10.9                | 91                 | 154.719  | 107              | 125                | 154.834  | 147              | 153                | 157.483  | 177              |
|      |       | 1450             | 9.1                 |                    |          | 89               |                    |          | 123              |                    |          | 148              |
|      |       | 1150             | 7.2                 |                    |          | 71               |                    |          | 97               |                    |          | 117              |
|      |       | 960              | 6.0                 |                    |          | 59               |                    |          | 81               |                    |          | 98               |
| D18  | 180   | 1740             | 9.7                 | 91                 | 167.873  | 99               | 125                | 167.998  | 136              | 153                | 177.392  | 157              |
|      |       | 1450             | 8.1                 |                    |          | 82               |                    |          | 113              |                    |          | 131              |
|      |       | 1150             | 6.4                 |                    |          | 65               |                    |          | 90               |                    |          | 104              |
|      |       | 960              | 5.3                 |                    |          | 54               |                    |          | 75               |                    |          | 87               |
| D20  | 200   | 1740             | 8.7                 | 91                 | 196.024  | 85               | 125                | 196.170  | 116              | 153                | 204.452  | 136              |
|      |       | 1450             | 7.3                 |                    |          | 70               |                    |          | 97               |                    |          | 114              |
|      |       | 1150             | 5.8                 |                    |          | 56               |                    |          | 77               |                    |          | 90               |
|      |       | 960              | 4.8                 |                    |          | 47               |                    |          | 64               |                    |          | 75               |
| D22  | 224   | 1740             | 7.8                 | 91                 | 217.201  | 76               | 125                | 217.363  | 105              | 153                | 225.602  | 124              |
|      |       | 1450             | 6.5                 |                    |          | 64               |                    |          | 87               |                    |          | 103              |
|      |       | 1150             | 5.1                 |                    |          | 50               |                    |          | 69               |                    |          | 82               |
|      |       | 960              | 4.3                 |                    |          | 42               |                    |          | 58               |                    |          | 68               |
| D25  | 250   | 1740             | 7.0                 | 91                 | 230.350  | 72               | 125                | 230.522  | 99               | 153                | 249.886  | 112              |
|      |       | 1450             | 5.8                 |                    |          | 60               |                    |          | 82               |                    |          | 93               |
|      |       | 1150             | 4.6                 |                    |          | 48               |                    |          | 65               |                    |          | 74               |
|      |       | 960              | 3.8                 |                    |          | 40               |                    |          | 55               |                    |          | 62               |
| D28  | 280   | 1740             | 6.2                 | 91                 | 261.832  | 63               | 125                | 262.026  | 87               | 153                | 278.055  | 100              |
|      |       | 1450             | 5.2                 |                    |          | 53               |                    |          | 72               |                    |          | 84               |
|      |       | 1150             | 4.1                 |                    |          | 42               |                    |          | 57               |                    |          | 66               |
|      |       | 960              | 3.4                 |                    |          | 35               |                    |          | 48               |                    |          | 55               |
| D32  | 315   | 1740             | 5.5                 | 91                 | 325.306  | 51               | 125                | 325.548  | 70               | 153                | 315.567  | 88               |
|      |       | 1450             | 4.6                 |                    |          | 42               |                    |          | 58               |                    |          | 74               |
|      |       | 1150             | 3.7                 |                    |          | 34               |                    |          | 46               |                    |          | 58               |
|      |       | 960              | 3.0                 |                    |          | 28               |                    |          | 39               |                    |          | 49               |
| D36  | 355   | 1740             | 4.9                 | 91                 | 380.846  | 44               | 125                | 381.129  | 60               | 153                | 350.489  | 80               |
|      |       | 1450             | 4.1                 |                    |          | 36               |                    |          | 50               |                    |          | 66               |
|      |       | 1150             | 3.2                 |                    |          | 29               |                    |          | 39               |                    |          | 53               |
|      |       | 960              | 2.7                 |                    |          | 24               |                    |          | 33               |                    |          | 44               |
| D40  | 400   | 1740             | 4.4                 | 91                 | 409.409  | 40               | 125                | 409.714  | 56               | 153                | 398.143  | 70               |
|      |       | 1450             | 3.6                 |                    |          | 34               |                    |          | 46               |                    |          | 58               |
|      |       | 1150             | 2.9                 |                    |          | 27               |                    |          | 37               |                    |          | 46               |
|      |       | 960              | 2.4                 |                    |          | 22               |                    |          | 31               |                    |          | 39               |
| D45  | 450   | 1740             | 3.9                 | 91                 | 460.189  | 36               | 125                | 460.531  | 49               | 153                | 457.010  | 61               |
|      |       | 1450             | 3.2                 |                    |          | 30               |                    |          | 41               |                    |          | 51               |
|      |       | 1150             | 2.6                 |                    |          | 24               |                    |          | 33               |                    |          | 40               |
|      |       | 960              | 2.1                 |                    |          | 20               |                    |          | 27               |                    |          | 34               |

| H416                        |                 |                         | H417                        |                 |                         | H418                        |                 |                         | n <sub>2N</sub><br>(r/min) | n <sub>1</sub><br>(r/min) | i <sub>N</sub> | Code |
|-----------------------------|-----------------|-------------------------|-----------------------------|-----------------|-------------------------|-----------------------------|-----------------|-------------------------|----------------------------|---------------------------|----------------|------|
| T <sub>2N</sub><br>(kN • m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN • m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN • m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) |                            |                           |                |      |
|                             |                 |                         | 220                         | 61.131          | 656                     |                             |                 |                         | 27.6                       | 1740                      | 63             | C63  |
|                             |                 |                         |                             |                 | 546                     |                             |                 |                         | 23.0                       | 1450                      |                |      |
|                             |                 |                         |                             |                 | 433                     |                             |                 |                         | 18.3                       | 1150                      |                |      |
|                             |                 |                         |                             |                 | 362                     |                             |                 |                         | 15.2                       | 960                       |                |      |
| 190                         | 67.499          | 513                     | 220                         | 68.365          | 586                     | 265                         | 70.571          | 684                     | 24.5                       | 1740                      | 71             | C71  |
|                             |                 | 427                     |                             |                 | 489                     |                             |                 | 570                     | 20.4                       | 1450                      |                |      |
|                             |                 | 339                     |                             |                 | 388                     |                             |                 | 452                     | 16.2                       | 1150                      |                |      |
|                             |                 | 283                     |                             |                 | 323                     |                             |                 | 377                     | 13.5                       | 960                       |                |      |
| 190                         | 75.487          | 459                     | 220                         | 76.064          | 527                     | 265                         | 78.923          | 612                     | 21.8                       | 1740                      | 80             | C80  |
|                             |                 | 382                     |                             |                 | 439                     |                             |                 | 510                     | 18.1                       | 1450                      |                |      |
|                             |                 | 303                     |                             |                 | 348                     |                             |                 | 404                     | 14.4                       | 1150                      |                |      |
|                             |                 | 253                     |                             |                 | 291                     |                             |                 | 338                     | 12.0                       | 960                       |                |      |
| 190                         | 83.988          | 412                     | 220                         | 85.680          | 468                     | 265                         | 87.811          | 550                     | 19.3                       | 1740                      | 90             | C90  |
|                             |                 | 343                     |                             |                 | 390                     |                             |                 | 458                     | 16.1                       | 1450                      |                |      |
|                             |                 | 272                     |                             |                 | 309                     |                             |                 | 363                     | 12.8                       | 1150                      |                |      |
|                             |                 | 227                     |                             |                 | 258                     |                             |                 | 303                     | 10.7                       | 960                       |                |      |
| 190                         | 94.605          | 366                     | 220                         | 98.750          | 406                     | 265                         | 98.912          | 488                     | 17.4                       | 1740                      | 100            | D10  |
|                             |                 | 305                     |                             |                 | 338                     |                             |                 | 407                     | 14.5                       | 1450                      |                |      |
|                             |                 | 242                     |                             |                 | 268                     |                             |                 | 323                     | 11.5                       | 1150                      |                |      |
|                             |                 | 202                     |                             |                 | 224                     |                             |                 | 269                     | 9.6                        | 960                       |                |      |
| 190                         | 109.036         | 317                     | 220                         | 108.966         | 368                     | 265                         | 114.000         | 424                     | 15.5                       | 1740                      | 112            | D11  |
|                             |                 | 265                     |                             |                 | 307                     |                             |                 | 353                     | 12.9                       | 1450                      |                |      |
|                             |                 | 210                     |                             |                 | 243                     |                             |                 | 280                     | 10.3                       | 1150                      |                |      |
|                             |                 | 175                     |                             |                 | 203                     |                             |                 | 234                     | 8.6                        | 960                       |                |      |
| 190                         | 120.316         | 288                     | 220                         | 128.095         | 313                     | 265                         | 125.793         | 384                     | 13.9                       | 1740                      | 125            | D13  |
|                             |                 | 240                     |                             |                 | 261                     |                             |                 | 320                     | 11.6                       | 1450                      |                |      |
|                             |                 | 190                     |                             |                 | 207                     |                             |                 | 254                     | 9.2                        | 1150                      |                |      |
|                             |                 | 159                     |                             |                 | 173                     |                             |                 | 212                     | 7.7                        | 960                       |                |      |
| 190                         | 141.438         | 245                     | 220                         | 142.520         | 281                     | 265                         | 147.877         | 327                     | 12.4                       | 1740                      | 140            | D14  |
|                             |                 | 204                     |                             |                 | 234                     |                             |                 | 272                     | 10.4                       | 1450                      |                |      |
|                             |                 | 162                     |                             |                 | 186                     |                             |                 | 216                     | 8.2                        | 1150                      |                |      |
|                             |                 | 135                     |                             |                 | 155                     |                             |                 | 180                     | 6.9                        | 960                       |                |      |
| 190                         | 157.366         | 220                     | 220                         | 160.538         | 250                     | 265                         | 164.530         | 293                     | 10.9                       | 1740                      | 160            | D16  |
|                             |                 | 183                     |                             |                 | 208                     |                             |                 | 245                     | 9.1                        | 1450                      |                |      |
|                             |                 | 145                     |                             |                 | 165                     |                             |                 | 194                     | 7.2                        | 1150                      |                |      |
|                             |                 | 121                     |                             |                 | 138                     |                             |                 | 162                     | 6.0                        | 960                       |                |      |
| 190                         | 177.260         | 195                     | 220                         | 185.026         | 217                     | 265                         | 185.329         | 261                     | 9.7                        | 1740                      | 180            | D18  |
|                             |                 | 163                     |                             |                 | 181                     |                             |                 | 217                     | 8.1                        | 1450                      |                |      |
|                             |                 | 129                     |                             |                 | 143                     |                             |                 | 172                     | 6.4                        | 1150                      |                |      |
|                             |                 | 108                     |                             |                 | 120                     |                             |                 | 144                     | 5.3                        | 960                       |                |      |
| 190                         | 204.300         | 169                     | 220                         | 204.167         | 196                     | 265                         | 213.600         | 226                     | 8.7                        | 1740                      | 200            | D20  |
|                             |                 | 141                     |                             |                 | 164                     |                             |                 | 188                     | 7.3                        | 1450                      |                |      |
|                             |                 | 112                     |                             |                 | 130                     |                             |                 | 149                     | 5.8                        | 1150                      |                |      |
|                             |                 | 93                      |                             |                 | 108                     |                             |                 | 125                     | 4.8                        | 960                       |                |      |
| 190                         | 225.434         | 154                     | 220                         | 226.143         | 177                     | 265                         | 235.697         | 205                     | 7.8                        | 1740                      | 224            | D22  |
|                             |                 | 128                     |                             |                 | 148                     |                             |                 | 171                     | 6.5                        | 1450                      |                |      |
|                             |                 | 101                     |                             |                 | 117                     |                             |                 | 135                     | 5.1                        | 1150                      |                |      |
|                             |                 | 85                      |                             |                 | 98                      |                             |                 | 113                     | 4.3                        | 960                       |                |      |
| 190                         | 249.700         | 139                     | 220                         | 251.636         | 159                     | 265                         | 261.067         | 185                     | 7.0                        | 1740                      | 250            | D25  |
|                             |                 | 116                     |                             |                 | 133                     |                             |                 | 154                     | 5.8                        | 1450                      |                |      |
|                             |                 | 92                      |                             |                 | 105                     |                             |                 | 122                     | 4.6                        | 1150                      |                |      |
|                             |                 | 76                      |                             |                 | 88                      |                             |                 | 102                     | 3.8                        | 960                       |                |      |
| 190                         | 277.848         | 125                     | 220                         | 285.584         | 140                     | 265                         | 290.496         | 166                     | 6.2                        | 1740                      | 280            | D28  |
|                             |                 | 104                     |                             |                 | 117                     |                             |                 | 139                     | 5.2                        | 1450                      |                |      |
|                             |                 | 82                      |                             |                 | 93                      |                             |                 | 110                     | 4.1                        | 1150                      |                |      |
|                             |                 | 69                      |                             |                 | 77                      |                             |                 | 92                      | 3.4                        | 960                       |                |      |
| 190                         | 315.332         | 110                     | 220                         | 317.188         | 126                     | 265                         | 329.687         | 146                     | 5.5                        | 1740                      | 315            | D32  |
|                             |                 | 91                      |                             |                 | 105                     |                             |                 | 122                     | 4.6                        | 1450                      |                |      |
|                             |                 | 73                      |                             |                 | 84                      |                             |                 | 97                      | 3.7                        | 1150                      |                |      |
|                             |                 | 61                      |                             |                 | 70                      |                             |                 | 81                      | 3.0                        | 960                       |                |      |
| 190                         | 350.228         | 99                      | 220                         | 360.314         | 111                     | 265                         | 366.171         | 132                     | 4.9                        | 1740                      | 355            | D36  |
|                             |                 | 82                      |                             |                 | 93                      |                             |                 | 110                     | 4.1                        | 1450                      |                |      |
|                             |                 | 65                      |                             |                 | 74                      |                             |                 | 87                      | 3.2                        | 1150                      |                |      |
|                             |                 | 55                      |                             |                 | 61                      |                             |                 | 73                      | 2.7                        | 960                       |                |      |
| 190                         | 397.847         | 87                      | 220                         | 413.588         | 97                      | 265                         | 415.958         | 116                     | 4.4                        | 1740                      | 400            | D40  |
|                             |                 | 73                      |                             |                 | 81                      |                             |                 | 97                      | 3.6                        | 1450                      |                |      |
|                             |                 | 58                      |                             |                 | 64                      |                             |                 | 77                      | 2.9                        | 1150                      |                |      |
|                             |                 | 48                      |                             |                 | 53                      |                             |                 | 64                      | 2.4                        | 960                       |                |      |
| 190                         | 456.670         | 76                      |                             |                 |                         | 265                         | 477.459         | 101                     | 3.9                        | 1740                      | 450            | D45  |
|                             |                 | 63                      |                             |                 |                         |                             |                 | 84                      | 3.2                        | 1450                      |                |      |
|                             |                 | 50                      |                             |                 |                         |                             |                 | 67                      | 2.6                        | 1150                      |                |      |
|                             |                 | 42                      |                             |                 |                         |                             |                 | 56                      | 2.1                        | 960                       |                |      |

## H4 (iN=63-450)

| Code | $i_N$ | $n_1$<br>(r/min) | $n_{2N}$<br>(r/min) | H419               |          |                  | H420               |          |                  | H421               |          |                  | H422               |          |                  |
|------|-------|------------------|---------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|
|      |       |                  |                     | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) |
| C63  | 63    | 1740             | 27.6                |                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 1450             | 23.0                |                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 1150             | 18.3                |                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 960              | 15.2                |                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  |
| C71  | 71    | 1740             | 24.5                | 330                | 68.391   | 879              | 380                | 68.635   | 1009             | 460                | 67.651   | 1239             | 520                | 65.724   | 1442             |
|      |       | 1450             | 20.4                |                    |          | 733              |                    |          | 841              |                    |          | 1032             |                    |          | 1201             |
|      |       | 1150             | 16.2                |                    |          | 581              |                    |          | 667              |                    |          | 819              |                    |          | 953              |
|      |       | 960              | 13.5                |                    |          | 485              |                    |          | 557              |                    |          | 684              |                    |          | 795              |
| C80  | 80    | 1740             | 21.8                | 330                | 78.997   | 761              | 380                | 77.390   | 895              | 460                | 77.054   | 1088             | 520                | 74.653   | 1269             |
|      |       | 1450             | 18.1                |                    |          | 634              |                    |          | 746              |                    |          | 906              |                    |          | 1058             |
|      |       | 1150             | 14.4                |                    |          | 503              |                    |          | 591              |                    |          | 719              |                    |          | 839              |
|      |       | 960              | 12.0                |                    |          | 420              |                    |          | 494              |                    |          | 600              |                    |          | 700              |
| C90  | 90    | 1740             | 19.3                | 330                | 90.115   | 667              | 380                | 89.391   | 775              | 460                | 84.253   | 995              | 520                | 85.029   | 1114             |
|      |       | 1450             | 16.1                |                    |          | 556              |                    |          | 645              |                    |          | 829              |                    |          | 929              |
|      |       | 1150             | 12.8                |                    |          | 441              |                    |          | 512              |                    |          | 657              |                    |          | 736              |
|      |       | 960              | 10.7                |                    |          | 368              |                    |          | 427              |                    |          | 549              |                    |          | 615              |
| D10  | 100   | 1740             | 17.4                | 330                | 96.552   | 623              | 380                | 101.972  | 679              | 460                | 93.959   | 892              | 520                | 92.974   | 1019             |
|      |       | 1450             | 14.5                |                    |          | 519              |                    |          | 566              |                    |          | 743              |                    |          | 849              |
|      |       | 1150             | 11.5                |                    |          | 412              |                    |          | 449              |                    |          | 590              |                    |          | 673              |
|      |       | 960              | 9.6                 |                    |          | 344              |                    |          | 375              |                    |          | 492              |                    |          | 562              |
| D11  | 112   | 1740             | 15.5                | 330                | 104.338  | 576              | 380                | 109.256  | 634              | 460                | 106.894  | 784              | 520                | 103.685  | 914              |
|      |       | 1450             | 12.9                |                    |          | 480              |                    |          | 528              |                    |          | 653              |                    |          | 761              |
|      |       | 1150             | 10.3                |                    |          | 381              |                    |          | 419              |                    |          | 518              |                    |          | 604              |
|      |       | 960              | 8.6                 |                    |          | 318              |                    |          | 350              |                    |          | 433              |                    |          | 504              |
| D13  | 125   | 1740             | 13.9                | 330                | 126.083  | 477              | 380                | 118.067  | 586              | 460                | 120.939  | 693              | 520                | 117.958  | 803              |
|      |       | 1450             | 11.6                |                    |          | 397              |                    |          | 489              |                    |          | 578              |                    |          | 669              |
|      |       | 1150             | 9.2                 |                    |          | 315              |                    |          | 388              |                    |          | 458              |                    |          | 531              |
|      |       | 960              | 7.7                 |                    |          | 263              |                    |          | 324              |                    |          | 382              |                    |          | 443              |
| D14  | 140   | 1740             | 12.4                | 330                | 145.636  | 413              | 380                | 142.673  | 485              | 460                | 137.749  | 608              | 520                | 133.457  | 710              |
|      |       | 1450             | 10.4                |                    |          | 344              |                    |          | 404              |                    |          | 507              |                    |          | 592              |
|      |       | 1150             | 8.2                 |                    |          | 273              |                    |          | 321              |                    |          | 402              |                    |          | 469              |
|      |       | 960              | 6.9                 |                    |          | 228              |                    |          | 268              |                    |          | 336              |                    |          | 392              |
| D16  | 160   | 1740             | 10.9                | 330                | 166.133  | 362              | 380                | 164.799  | 420              | 460                | 150.620  | 556              | 520                | 152.007  | 623              |
|      |       | 1450             | 9.1                 |                    |          | 302              |                    |          | 350              |                    |          | 464              |                    |          | 519              |
|      |       | 1150             | 7.2                 |                    |          | 239              |                    |          | 278              |                    |          | 368              |                    |          | 412              |
|      |       | 960              | 6.0                 |                    |          | 200              |                    |          | 232              |                    |          | 307              |                    |          | 344              |
| D18  | 180   | 1740             | 9.7                 | 330                | 178.000  | 338              | 380                | 187.993  | 368              | 460                | 167.970  | 499              | 520                | 166.210  | 570              |
|      |       | 1450             | 8.1                 |                    |          | 281              |                    |          | 307              |                    |          | 416              |                    |          | 475              |
|      |       | 1150             | 6.4                 |                    |          | 223              |                    |          | 243              |                    |          | 330              |                    |          | 377              |
|      |       | 960              | 5.3                 |                    |          | 186              |                    |          | 203              |                    |          | 275              |                    |          | 314              |
| D20  | 200   | 1740             | 8.7                 | 330                | 192.355  | 313              | 380                | 201.421  | 344              | 460                | 191.094  | 439              | 520                | 185.357  | 511              |
|      |       | 1450             | 7.3                 |                    |          | 260              |                    |          | 286              |                    |          | 365              |                    |          | 426              |
|      |       | 1150             | 5.8                 |                    |          | 207              |                    |          | 227              |                    |          | 290              |                    |          | 338              |
|      |       | 960              | 4.8                 |                    |          | 172              |                    |          | 190              |                    |          | 242              |                    |          | 282              |
| D22  | 224   | 1740             | 7.8                 | 330                | 222.500  | 270              | 380                | 217.665  | 318              | 460                | 215.962  | 388              | 520                | 210.874  | 449              |
|      |       | 1450             | 6.5                 |                    |          | 225              |                    |          | 265              |                    |          | 323              |                    |          | 374              |
|      |       | 1150             | 5.1                 |                    |          | 179              |                    |          | 210              |                    |          | 256              |                    |          | 297              |
|      |       | 960              | 4.3                 |                    |          | 149              |                    |          | 175              |                    |          | 214              |                    |          | 248              |
| D25  | 250   | 1740             | 7.0                 | 330                | 248.586  | 242              | 380                | 251.776  | 275              | 460                | 248.008  | 338              | 520                | 238.316  | 398              |
|      |       | 1450             | 5.8                 |                    |          | 202              |                    |          | 229              |                    |          | 282              |                    |          | 331              |
|      |       | 1150             | 4.6                 |                    |          | 160              |                    |          | 182              |                    |          | 223              |                    |          | 263              |
|      |       | 960              | 3.8                 |                    |          | 133              |                    |          | 152              |                    |          | 186              |                    |          | 219              |
| D28  | 280   | 1740             | 6.2                 | 330                | 280.185  | 215              | 380                | 281.295  | 246              | 460                | 283.836  | 295              | 520                | 273.679  | 346              |
|      |       | 1450             | 5.2                 |                    |          | 179              |                    |          | 205              |                    |          | 246              |                    |          | 288              |
|      |       | 1150             | 4.1                 |                    |          | 142              |                    |          | 163              |                    |          | 195              |                    |          | 229              |
|      |       | 960              | 3.4                 |                    |          | 118              |                    |          | 136              |                    |          | 163              |                    |          | 191              |
| D32  | 315   | 1740             | 5.5                 | 330                | 309.720  | 194              | 380                | 317.052  | 218              | 460                | 312.773  | 268              | 520                | 313.215  | 302              |
|      |       | 1450             | 4.6                 |                    |          | 162              |                    |          | 182              |                    |          | 223              |                    |          | 252              |
|      |       | 1150             | 3.7                 |                    |          | 128              |                    |          | 144              |                    |          | 177              |                    |          | 200              |
|      |       | 960              | 3.0                 |                    |          | 107              |                    |          | 120              |                    |          | 148              |                    |          | 167              |
| D36  | 355   | 1740             | 4.9                 | 330                | 348.261  | 173              | 380                | 350.473  | 198              | 460                | 351.938  | 238              | 520                | 345.147  | 275              |
|      |       | 1450             | 4.1                 |                    |          | 144              |                    |          | 165              |                    |          | 198              |                    |          | 229              |
|      |       | 1150             | 3.2                 |                    |          | 114              |                    |          | 131              |                    |          | 157              |                    |          | 181              |
|      |       | 960              | 2.7                 |                    |          | 95               |                    |          | 109              |                    |          | 131              |                    |          | 151              |
| D40  | 400   | 1740             | 4.4                 | 330                | 385.667  | 156              | 380                | 394.085  | 176              | 460                | 387.004  | 217              | 520                | 388.367  | 244              |
|      |       | 1450             | 3.6                 |                    |          | 130              |                    |          | 146              |                    |          | 180              |                    |          | 203              |
|      |       | 1150             | 2.9                 |                    |          | 103              |                    |          | 116              |                    |          | 143              |                    |          | 161              |
|      |       | 960              | 2.4                 |                    |          | 86               |                    |          | 97               |                    |          | 119              |                    |          | 135              |
| D45  | 450   | 1740             | 3.9                 |                    |          |                  | 380                | 436.412  | 159              |                    |          |                  | 520                | 427.062  | 222              |
|      |       | 1450             | 3.2                 |                    |          |                  |                    |          | 132              |                    |          |                  |                    |          | 185              |
|      |       | 1150             | 2.6                 |                    |          |                  |                    |          | 105              |                    |          |                  |                    |          | 147              |
|      |       | 960              | 2.1                 |                    |          |                  |                    |          | 88               |                    |          |                  |                    |          | 122              |

34

# B2 (iN=6.3-14)

| Code | $i_N$ | $n_1$<br>(r/min) | $n_{2N}$<br>(r/min) | B204               |          |                  | B205               |          |                  | B206               |          |                  | B207               |          |                  |
|------|-------|------------------|---------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|
|      |       |                  |                     | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) |
| B50  | 5     | 1740             | 348                 | 6.2                | 4.94     | 238              | 9.4                | 4.97     | 345              |                    |          |                  | 19.0               | 4.93     | 702              |
|      |       | 1450             | 290                 |                    |          | 199              |                    |          | 287              |                    |          |                  |                    |          | 585              |
|      |       | 1150             | 230                 |                    |          | 158              |                    |          | 228              |                    |          |                  |                    |          | 464              |
|      |       | 960              | 192                 |                    |          | 131              |                    |          | 190              |                    |          |                  |                    |          | 387              |
| B56  | 5.6   | 1740             | 311                 | 6.2                | 5.57     | 203              | 9.4                | 5.75     | 298              |                    |          |                  | 19.0               | 5.56     | 623              |
|      |       | 1450             | 259                 |                    |          | 169              |                    |          | 248              |                    |          |                  |                    |          | 519              |
|      |       | 1150             | 205                 |                    |          | 134              |                    |          | 197              |                    |          |                  |                    |          | 412              |
|      |       | 960              | 171                 |                    |          | 112              |                    |          | 164              |                    |          |                  |                    |          | 344              |
| B63  | 6.3   | 1740             | 276                 | 6.2                | 6.33     | 178              | 9.4                | 6.22     | 275              | 12.0               | 6.44     | 340              | 19.0               | 6.33     | 547              |
|      |       | 1450             | 230                 |                    |          | 149              |                    |          | 229              |                    |          | 283              |                    |          | 456              |
|      |       | 1150             | 183                 |                    |          | 118              |                    |          | 182              |                    |          | 224              |                    |          | 361              |
|      |       | 960              | 152                 |                    |          | 99               |                    |          | 152              |                    |          | 187              |                    |          | 302              |
| B71  | 7.1   | 1740             | 245                 | 6.2                | 7.13     | 157              | 9.4                | 6.96     | 240              | 12.0               | 7.14     | 307              | 19.0               | 7.14     | 486              |
|      |       | 1450             | 204                 |                    |          | 131              |                    |          | 200              |                    |          | 256              |                    |          | 405              |
|      |       | 1150             | 162                 |                    |          | 104              |                    |          | 159              |                    |          | 203              |                    |          | 321              |
|      |       | 960              | 135                 |                    |          | 87               |                    |          | 132              |                    |          | 169              |                    |          | 268              |
| B80  | 8     | 1740             | 218                 | 6.2                | 8.26     | 142              | 9.4                | 8.06     | 215              | 12.0               | 8.27     | 274              | 19.0               | 8.27     | 434              |
|      |       | 1450             | 181                 |                    |          | 118              |                    |          | 179              |                    |          | 228              |                    |          | 362              |
|      |       | 1150             | 144                 |                    |          | 94               |                    |          | 142              |                    |          | 181              |                    |          | 287              |
|      |       | 960              | 120                 |                    |          | 78               |                    |          | 119              |                    |          | 151              |                    |          | 240              |
| B90  | 9     | 1740             | 193                 | 6.2                | 8.93     | 125              | 9.4                | 8.71     | 191              | 12.0               | 8.94     | 242              | 19.0               | 8.94     | 385              |
|      |       | 1450             | 161                 |                    |          | 104              |                    |          | 159              |                    |          | 202              |                    |          | 321              |
|      |       | 1150             | 128                 |                    |          | 82               |                    |          | 126              |                    |          | 160              |                    |          | 255              |
|      |       | 960              | 107                 |                    |          | 69               |                    |          | 105              |                    |          | 134              |                    |          | 213              |
| C10  | 10    | 1740             | 174                 | 6.2                | 10.1     | 113              | 9.4                | 9.88     | 170              | 12.0               | 10.1     | 218              | 19.0               | 10.1     | 346              |
|      |       | 1450             | 145                 |                    |          | 94               |                    |          | 142              |                    |          | 182              |                    |          | 288              |
|      |       | 1150             | 115                 |                    |          | 75               |                    |          | 113              |                    |          | 144              |                    |          | 228              |
|      |       | 960              | 96.0                |                    |          | 62               |                    |          | 94               |                    |          | 120              |                    |          | 191              |
| C11  | 11.2  | 1740             | 155                 | 6.2                | 11.1     | 100              | 9.4                | 10.9     | 152              | 12.0               | 11.1     | 194              | 19.0               | 11.1     | 308              |
|      |       | 1450             | 129                 |                    |          | 83               |                    |          | 127              |                    |          | 162              |                    |          | 257              |
|      |       | 1150             | 103                 |                    |          | 66               |                    |          | 101              |                    |          | 128              |                    |          | 204              |
|      |       | 960              | 85.7                |                    |          | 55               |                    |          | 84               |                    |          | 107              |                    |          | 170              |
| C13  | 12.5  | 1740             | 139                 | 6.2                | 12.9     | 89               | 9.4                | 12.5     | 137              | 12.0               | 12.9     | 174              | 19.0               | 12.9     | 276              |
|      |       | 1450             | 116                 |                    |          | 74               |                    |          | 114              |                    |          | 145              |                    |          | 230              |
|      |       | 1150             | 92.0                |                    |          | 59               |                    |          | 90               |                    |          | 115              |                    |          | 183              |
|      |       | 960              | 76.8                |                    |          | 49.2             |                    |          | 75               |                    |          | 96               |                    |          | 152              |
| C14  | 14    | 1740             | 124                 | 6.2                | 13.9     | 80               | 9.4                | 13.6     | 122              | 12.0               | 13.9     | 156              | 19.0               | 13.9     | 247              |
|      |       | 1450             | 104                 |                    |          | 66               |                    |          | 102              |                    |          | 130              |                    |          | 206              |
|      |       | 1150             | 82.1                |                    |          | 53               |                    |          | 81               |                    |          | 103              |                    |          | 163              |
|      |       | 960              | 68.6                |                    |          | 44.0             |                    |          | 67               |                    |          | 86               |                    |          | 136              |

| B208               |          |                  | B209               |          |                  | B210               |          |                  | B211               |          |                  | B212               |          |                  | $n_{2N}$ | $n_1$   | $i_N$ | Code |
|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|----------|---------|-------|------|
| $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | (r/min)  | (r/min) |       |      |
|                    |          |                  |                    |          | 1105             |                    |          |                  |                    |          | 2007*            |                    |          |                  | 350      | 1740    |       |      |
|                    |          |                  | 29.9               | 4.93     | 921              |                    |          |                  | 54                 | 4.93     | 1663             |                    |          |                  | 290      | 1450    | 5     | B50  |
|                    |          |                  |                    |          | 730              |                    |          |                  |                    |          | 1319             |                    |          |                  | 230      | 1150    |       |      |
|                    |          |                  |                    |          | 610              |                    |          |                  |                    |          | 1101             |                    |          |                  | 192      | 960     |       |      |
|                    |          |                  |                    |          | 980              |                    |          |                  |                    |          | 1780*            |                    |          |                  | 313      | 1740    |       |      |
|                    |          |                  | 29.9               | 5.56     | 817              |                    |          |                  | 54                 | 5.56     | 1475             |                    |          |                  | 259      | 1450    | 5.6   | B56  |
|                    |          |                  |                    |          | 648              |                    |          |                  |                    |          | 1170             |                    |          |                  | 205      | 1150    |       |      |
|                    |          |                  |                    |          | 541              |                    |          |                  |                    |          | 976              |                    |          |                  | 171      | 960     |       |      |
| 23.8               | 6.25     | 694              | 29.9               | 6.25     | 872              | 38.0               | 6.44     | 1075             | 54                 | 6.17     | 1604*            | 63                 | 6.18     | 1868*            | 276      | 1740    | 6.3   | B63  |
|                    |          | 578              |                    |          | 726              |                    |          | 896              |                    |          | 1329             |                    |          | 1548             | 230      | 1450    |       |      |
|                    |          | 459              |                    |          | 576              |                    |          | 711              |                    |          | 1054             |                    |          | 1228             | 183      | 1150    |       |      |
|                    |          | 383              |                    |          | 481              |                    |          | 593              |                    |          | 880              |                    |          | 1025             | 152      | 960     |       |      |
| 23.8               | 7.05     | 610              | 29.9               | 7.05     | 766              | 38.0               | 6.96     | 973              | 54                 | 6.96     | 1342             | 63                 | 6.97     | 1560             | 245      | 1740    | 7.1   | B71  |
|                    |          | 508              |                    |          | 638              |                    |          | 811              |                    |          | 1118             |                    |          | 1300             | 204      | 1450    |       |      |
|                    |          | 403              |                    |          | 506              |                    |          | 643              |                    |          | 887              |                    |          | 1031             | 162      | 1150    |       |      |
|                    |          | 336              |                    |          | 422              |                    |          | 537              |                    |          | 740              |                    |          | 861              | 135      | 960     |       |      |
| 23.8               | 8.16     | 542              | 29.9               | 8.16     | 682              | 38.0               | 8.06     | 868              | 54                 | 8.06     | 1234             | 63                 | 8.07     | 1441             | 218      | 1740    | 8     | B80  |
|                    |          | 452              |                    |          | 568              |                    |          | 723              |                    |          | 1028             |                    |          | 1201             | 181      | 1450    |       |      |
|                    |          | 358              |                    |          | 450              |                    |          | 573              |                    |          | 815              |                    |          | 953              | 144      | 1150    |       |      |
|                    |          | 299              |                    |          | 376              |                    |          | 479              |                    |          | 681              |                    |          | 795              | 120      | 960     |       |      |
| 23.8               | 8.82     | 482              | 29.9               | 8.82     | 606              | 38.0               | 8.71     | 770              | 54                 | 8.71     | 1096             | 67                 | 8.73     | 1322             | 193      | 1740    | 9     | B90  |
|                    |          | 402              |                    |          | 505              |                    |          | 642              |                    |          | 913              |                    |          | 1102             | 161      | 1450    |       |      |
|                    |          | 319              |                    |          | 401              |                    |          | 509              |                    |          | 724              |                    |          | 874              | 128      | 1150    |       |      |
|                    |          | 266              |                    |          | 334              |                    |          | 425              |                    |          | 604              |                    |          | 730              | 107      | 960     |       |      |
| 23.8               | 10.0     | 433              | 29.9               | 10.0     | 544              | 38.0               | 9.88     | 691              | 54                 | 9.88     | 984              | 67                 | 9.89     | 1207             | 174      | 1740    | 10    | C10  |
|                    |          | 361              |                    |          | 453              |                    |          | 576              |                    |          | 820              |                    |          | 1006             | 145      | 1450    |       |      |
|                    |          | 286              |                    |          | 359              |                    |          | 457              |                    |          | 650              |                    |          | 798              | 115      | 1150    |       |      |
|                    |          | 239              |                    |          | 300              |                    |          | 381              |                    |          | 543              |                    |          | 666              | 96.0     | 960     |       |      |
| 23.8               | 11.0     | 386              | 29.9               | 11.0     | 486              | 38.0               | 10.9     | 618              | 54                 | 10.9     | 878              | 67                 | 10.9     | 1079             | 155      | 1740    | 11.2  | C11  |
|                    |          | 322              |                    |          | 405              |                    |          | 515              |                    |          | 732              |                    |          | 899              | 129      | 1450    |       |      |
|                    |          | 255              |                    |          | 321              |                    |          | 408              |                    |          | 581              |                    |          | 713              | 103      | 1150    |       |      |
|                    |          | 213              |                    |          | 268              |                    |          | 341              |                    |          | 485              |                    |          | 595              | 85.7     | 960     |       |      |
| 23.8               | 12.7     | 347              | 29.9               | 12.7     | 435              | 38.0               | 12.5     | 553              | 54                 | 12.5     | 787              | 67                 | 12.6     | 966              | 139      | 1740    | 12.5  | C13  |
|                    |          | 289              |                    |          | 363              |                    |          | 461              |                    |          | 656              |                    |          | 805              | 116      | 1450    |       |      |
|                    |          | 229              |                    |          | 288              |                    |          | 366              |                    |          | 520              |                    |          | 638              | 92.0     | 1150    |       |      |
|                    |          | 191              |                    |          | 240              |                    |          | 305              |                    |          | 434              |                    |          | 533              | 76.8     | 960     |       |      |
| 23.8               | 13.8     | 308              | 29.9               | 13.8     | 389              | 38.0               | 13.6     | 493              | 54                 | 13.6     | 703              | 67                 | 13.6     | 860              | 124      | 1740    | 14    | C14  |
|                    |          | 257              |                    |          | 324              |                    |          | 411              |                    |          | 586              |                    |          | 717              | 104      | 1450    |       |      |
|                    |          | 204              |                    |          | 257              |                    |          | 326              |                    |          | 464              |                    |          | 569              | 82.1     | 1150    |       |      |
|                    |          | 170              |                    |          | 215              |                    |          | 272              |                    |          | 388              |                    |          | 475              | 68.6     | 960     |       |      |

卧式安装齿轮箱  
应采用强制润滑。  
\* 敬请垂询

Forced lubrication required  
on horizontal gearbox.  
\* On request.

# B2 (iN=6.3-14)

| Code | $i_N$ | $n_1$<br>(r/min) | $n_{2N}$<br>(r/min) | B213               |          |                  | B214               |          |                  | B215               |          |                  |
|------|-------|------------------|---------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|
|      |       |                  |                     | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) |
| B63  | 6.3   | 1740             | 276.2               | 76                 | 6.172    | 2244*            | 96                 | 6.176    | 2832*            | 130                | 6.176    | 3835*            |
|      |       | 1450             | 230.2               |                    |          | 1870             |                    |          | 2360             |                    |          | 3196*            |
|      |       | 1150             | 182.5               |                    |          | 1483             |                    |          | 1872             |                    |          | 2535*            |
|      |       | 960              | 152.4               |                    |          | 1238             |                    |          | 1562             |                    |          | 2116             |
| B71  | 7.1   | 1740             | 245.1               | 76                 | 6.957    | 1990*            | 96                 | 6.963    | 2512*            | 132                | 6.963    | 3454*            |
|      |       | 1450             | 204.2               |                    |          | 1659             |                    |          | 2093             |                    |          | 2879*            |
|      |       | 1150             | 162.0               |                    |          | 1315             |                    |          | 1660             |                    |          | 2283*            |
|      |       | 960              | 135.2               |                    |          | 1098             |                    |          | 1386             |                    |          | 1906             |
| B80  | 8     | 1740             | 217.5               | 82                 | 8.056    | 1855*            | 104                | 8.062    | 2350*            | 132                | 8.062    | 2983*            |
|      |       | 1450             | 181.3               |                    |          | 1545             |                    |          | 1959             |                    |          | 2486             |
|      |       | 1150             | 143.8               |                    |          | 1226             |                    |          | 1553             |                    |          | 1972             |
|      |       | 960              | 120.0               |                    |          | 1023             |                    |          | 1297             |                    |          | 1646             |
| B90  | 9     | 1740             | 193.3               | 82                 | 8.713    | 1715*            | 104                | 8.720    | 2173*            | 132                | 8.720    | 2758*            |
|      |       | 1450             | 161.1               |                    |          | 1429             |                    |          | 1811             |                    |          | 2298             |
|      |       | 1150             | 127.8               |                    |          | 1133             |                    |          | 1436             |                    |          | 1823             |
|      |       | 960              | 106.7               |                    |          | 946              |                    |          | 1199             |                    |          | 1522             |
| C10  | 10    | 1740             | 174.0               | 82                 | 10.204   | 1464*            | 109                | 10.212   | 1945*            | 132                | 10.212   | 2355*            |
|      |       | 1450             | 145.0               |                    |          | 1220             |                    |          | 1621             |                    |          | 1963             |
|      |       | 1150             | 115.0               |                    |          | 968              |                    |          | 1285             |                    |          | 1557             |
|      |       | 960              | 96.0                |                    |          | 808              |                    |          | 1073             |                    |          | 1299             |
| C11  | 11.2  | 1740             | 155.4               | 82                 | 10.863   | 1375*            | 111                | 10.871   | 1860*            | 132                | 10.871   | 2212*            |
|      |       | 1450             | 129.5               |                    |          | 1146             |                    |          | 1550             |                    |          | 1844             |
|      |       | 1150             | 102.7               |                    |          | 909              |                    |          | 1230             |                    |          | 1462             |
|      |       | 960              | 85.7                |                    |          | 759              |                    |          | 1026             |                    |          | 1221             |
| C13  | 12.5  | 1740             | 139.2               | 82                 | 12.534   | 1192*            | 111                | 12.543   | 1612*            | 132                | 12.543   | 1917*            |
|      |       | 1450             | 116.0               |                    |          | 993              |                    |          | 1344             |                    |          | 1598             |
|      |       | 1150             | 92.0                |                    |          | 788              |                    |          | 1066             |                    |          | 1267             |
|      |       | 960              | 76.8                |                    |          | 658              |                    |          | 890              |                    |          | 1058             |
| C14  | 14    | 1740             | 124.3               | 82                 | 13.578   | 1100*            | 111                | 13.588   | 1488*            | 132                | 13.588   | 1770*            |
|      |       | 1450             | 103.6               |                    |          | 917              |                    |          | 1240             |                    |          | 1475             |
|      |       | 1150             | 82.1                |                    |          | 727              |                    |          | 984              |                    |          | 1170             |
|      |       | 960              | 68.6                |                    |          | 607              |                    |          | 821              |                    |          | 977              |

  卧式安装齿轮箱  
应采用强制润滑。  
\* 敬请垂询

  Forced lubrication required  
on horizontal gearbox.  
\* On request.

| B216                      |                 |                         | B217                      |                 |                         | B218                      |                 |                         | n <sub>2N</sub><br>(r/min) | n <sub>1</sub><br>(r/min) | i <sub>N</sub> | Code |
|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|----------------------------|---------------------------|----------------|------|
| T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) |                            |                           |                |      |
| 160                       | 6.172           | 4723*                   | 215                       | 6.184           |                         |                           |                 |                         | 276.2                      | 1740                      | 6.3            | B63  |
|                           |                 | 3936*                   |                           |                 | 5278*                   |                           |                 |                         | 230.2                      | 1450                      |                |      |
|                           |                 | 3122*                   |                           |                 | 4189*                   |                           |                 |                         | 182.5                      | 1150                      |                |      |
|                           |                 | 2606                    |                           |                 | 3495*                   |                           |                 |                         | 152.4                      | 960                       |                |      |
| 160                       | 6.957           | 4190*                   | 215                       | 7.161           |                         | 253                       | 7.139           |                         | 245.1                      | 1740                      | 7.1            | B71  |
|                           |                 | 3492*                   |                           |                 | 4559*                   |                           |                 |                         | 204.2                      | 1450                      |                |      |
|                           |                 | 2769*                   |                           |                 | 3616*                   |                           |                 | 4267*                   | 162.0                      | 1150                      |                |      |
|                           |                 | 2312                    |                           |                 | 3018                    |                           |                 | 3562*                   | 135.2                      | 960                       |                |      |
| 163                       | 8.056           | 3687*                   | 215                       | 7.745           | 5058*                   | 253                       | 8.267           |                         | 217.5                      | 1740                      | 8              | B80  |
|                           |                 | 3072*                   |                           |                 | 4215*                   |                           |                 | 4647*                   | 181.3                      | 1450                      |                |      |
|                           |                 | 2437*                   |                           |                 | 3343*                   |                           |                 | 3685*                   | 143.8                      | 1150                      |                |      |
|                           |                 | 2034                    |                           |                 | 2790                    |                           |                 | 3077                    | 120.0                      | 960                       |                |      |
| 163                       | 8.713           | 3408*                   | 215                       | 9.070           | 4319*                   | 253                       | 8.941           | 5156*                   | 193.3                      | 1740                      | 9              | B90  |
|                           |                 | 2840                    |                           |                 | 3599*                   |                           |                 | 4296*                   | 161.1                      | 1450                      |                |      |
|                           |                 | 2253                    |                           |                 | 2854*                   |                           |                 | 3407*                   | 127.8                      | 1150                      |                |      |
|                           |                 | 1881                    |                           |                 | 2383                    |                           |                 | 2844                    | 106.7                      | 960                       |                |      |
| 163                       | 10.204          | 2910*                   | 215                       | 9.948           | 3938*                   | 253                       | 10.471          | 4402*                   | 174.0                      | 1740                      | 10             | C10  |
|                           |                 | 2425                    |                           |                 | 3281*                   |                           |                 | 3669*                   | 145.0                      | 1450                      |                |      |
|                           |                 | 1924                    |                           |                 | 2602*                   |                           |                 | 2910*                   | 115.0                      | 1150                      |                |      |
|                           |                 | 1606                    |                           |                 | 2173                    |                           |                 | 2429                    | 96.0                       | 960                       |                |      |
| 163                       | 10.863          | 2734*                   | 215                       | 11.141          | 3516*                   | 253                       | 11.484          | 4014*                   | 155.4                      | 1740                      | 11.2           | C11  |
|                           |                 | 2278                    |                           |                 | 2930*                   |                           |                 | 3345*                   | 129.5                      | 1450                      |                |      |
|                           |                 | 1807                    |                           |                 | 2324*                   |                           |                 | 2653*                   | 102.7                      | 1150                      |                |      |
|                           |                 | 1508                    |                           |                 | 1940                    |                           |                 | 2215                    | 85.7                       | 960                       |                |      |
| 163                       | 12.534          | 2369*                   | 215                       | 12.069          | 3246*                   | 253                       | 12.862          | 3584*                   | 139.2                      | 1740                      | 12.5           | C13  |
|                           |                 | 1975                    |                           |                 | 2705*                   |                           |                 | 2987*                   | 116.0                      | 1450                      |                |      |
|                           |                 | 1566                    |                           |                 | 2145*                   |                           |                 | 2369*                   | 92.0                       | 1150                      |                |      |
|                           |                 | 1307                    |                           |                 | 1791                    |                           |                 | 1977                    | 76.8                       | 960                       |                |      |
| 163                       | 13.578          | 2187*                   | 215                       | 13.606          | 2879*                   | 253                       | 13.933          | 3308*                   | 124.3                      | 1740                      | 14             | C14  |
|                           |                 | 1823                    |                           |                 | 2399                    |                           |                 | 2757*                   | 103.6                      | 1450                      |                |      |
|                           |                 | 1446                    |                           |                 | 1903                    |                           |                 | 2187*                   | 82.1                       | 1150                      |                |      |
|                           |                 | 1207                    |                           |                 | 1589                    |                           |                 | 1825                    | 68.6                       | 960                       |                |      |

\* 卧式安装齿轮箱  
应采用强制润滑。  
\* 敬请垂询

Forced lubrication required  
on horizontal gearbox.  
\* On request.



# B3 (iN=16-90)

| Code | $i_N$ | $n_1$<br>(r/min) | $n_{2N}$<br>(r/min) | B304               |          |                  | B305               |          |                  | B306               |          |                  | B307               |          |                  |
|------|-------|------------------|---------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|
|      |       |                  |                     | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) |
| C16  | 16    | 1740             | 109.0               | 6.7                | 15.6     | 74               | 10.5               | 14.9     | 120              | 12.0               | 15.3     | 137              | 20.0               | 15.5     | 226              |
|      |       | 1450             | 90.6                |                    |          | 62               |                    |          | 100              |                    |          | 114              |                    |          | 188              |
|      |       | 1150             | 71.9                |                    |          | 49.2             |                    |          | 79               |                    |          | 90               |                    |          | 149              |
|      |       | 960              | 60.0                |                    |          | 41.0             |                    |          | 66               |                    |          | 75               |                    |          | 124              |
| C18  | 18    | 1740             | 96.7                | 6.7                | 17.6     | 67               | 11.6               | 16.8     | 114              | 12.6               | 17.3     | 126              | 21.7               | 17.5     | 212              |
|      |       | 1450             | 80.6                |                    |          | 56               |                    |          | 95               |                    |          | 105              |                    |          | 177              |
|      |       | 1150             | 63.9                |                    |          | 44.4             |                    |          | 75               |                    |          | 83               |                    |          | 140              |
|      |       | 960              | 53.3                |                    |          | 37.1             |                    |          | 63               |                    |          | 70               |                    |          | 117              |
| C20  | 20    | 1740             | 87.0                | 6.7                | 18.7     | 60               | 11.6               | 17.9     | 106              | 13.2               | 18.4     | 120              | 21.7               | 20.2     | 197              |
|      |       | 1450             | 72.5                |                    |          | 50               |                    |          | 88               |                    |          | 100              |                    |          | 164              |
|      |       | 1150             | 57.5                |                    |          | 39.7             |                    |          | 70               |                    |          | 79               |                    |          | 130              |
|      |       | 960              | 48.0                |                    |          | 33.1             |                    |          | 58               |                    |          | 66               |                    |          | 109              |
| C22  | 22.4  | 1740             | 77.7                | 6.7                | 22.0     | 54               | 11.6               | 21.1     | 94               | 14.2               | 21.6     | 115              | 21.7               | 21.9     | 176              |
|      |       | 1450             | 64.7                |                    |          | 45.0             |                    |          | 78               |                    |          | 96               |                    |          | 147              |
|      |       | 1150             | 51.3                |                    |          | 35.7             |                    |          | 62               |                    |          | 76               |                    |          | 117              |
|      |       | 960              | 42.9                |                    |          | 29.8             |                    |          | 52               |                    |          | 64               |                    |          | 97               |
| C25  | 25    | 1740             | 69.6                | 6.7                | 24.9     | 49.2             | 11.6               | 23.9     | 84               | 15.5               | 24.5     | 113              | 21.7               | 24.8     | 157              |
|      |       | 1450             | 58.0                |                    |          | 41.0             |                    |          | 70               |                    |          | 94               |                    |          | 131              |
|      |       | 1150             | 46.0                |                    |          | 32.5             |                    |          | 56               |                    |          | 75               |                    |          | 104              |
|      |       | 960              | 38.4                |                    |          | 27.1             |                    |          | 46.3             |                    |          | 62               |                    |          | 87               |
| C28  | 28    | 1740             | 62.1                | 6.7                | 27.7     | 43.2             | 11.6               | 26.5     | 76               | 15.5               | 27.2     | 101              | 21.7               | 28.3     | 142              |
|      |       | 1450             | 51.8                |                    |          | 36.0             |                    |          | 63               |                    |          | 84               |                    |          | 118              |
|      |       | 1150             | 41.1                |                    |          | 28.6             |                    |          | 50               |                    |          | 67               |                    |          | 94               |
|      |       | 960              | 34.3                |                    |          | 23.8             |                    |          | 41.7             |                    |          | 56               |                    |          | 78               |
| C32  | 31.5  | 1740             | 55.2                | 6.7                | 31.2     | 38.4             | 11.6               | 29.9     | 67               | 15.5               | 30.7     | 89               | 21.7               | 31.9     | 126              |
|      |       | 1450             | 46.0                |                    |          | 32.0             |                    |          | 56               |                    |          | 74               |                    |          | 105              |
|      |       | 1150             | 36.5                |                    |          | 25.4             |                    |          | 44.4             |                    |          | 59               |                    |          | 83               |
|      |       | 960              | 30.5                |                    |          | 21.2             |                    |          | 37.1             |                    |          | 49.0             |                    |          | 70               |
| C36  | 35.5  | 1740             | 49.0                | 6.7                | 33.2     | 33.6             | 11.6               | 31.8     | 59               | 15.5               | 32.7     | 79               | 21.7               | 37.0     | 110              |
|      |       | 1450             | 40.8                |                    |          | 28.0             |                    |          | 49.0             |                    |          | 66               |                    |          | 92               |
|      |       | 1150             | 32.4                |                    |          | 22.2             |                    |          | 38.9             |                    |          | 52               |                    |          | 73               |
|      |       | 960              | 27.0                |                    |          | 18.5             |                    |          | 32.4             |                    |          | 43.7             |                    |          | 61               |
| C40  | 40    | 1740             | 43.5                | 6.7                | 39.1     | 30.0             | 11.6               | 37.5     | 53               | 15.5               | 38.4     | 71               | 21.7               | 40.0     | 100              |
|      |       | 1450             | 36.3                |                    |          | 25.0             |                    |          | 44.0             |                    |          | 59               |                    |          | 83               |
|      |       | 1150             | 28.8                |                    |          | 19.8             |                    |          | 34.9             |                    |          | 46.8             |                    |          | 66               |
|      |       | 960              | 24.0                |                    |          | 16.6             |                    |          | 29.1             |                    |          | 39.1             |                    |          | 55               |
| C45  | 45    | 1740             | 38.7                | 6.7                | 44.3     | 26.4             | 11.6               | 42.5     | 46.8             | 15.5               | 43.6     | 61               | 21.7               | 45.3     | 86               |
|      |       | 1450             | 32.2                |                    |          | 22.0             |                    |          | 39.0             |                    |          | 51               |                    |          | 72               |
|      |       | 1150             | 25.6                |                    |          | 17.4             |                    |          | 30.9             |                    |          | 40.4             |                    |          | 57               |
|      |       | 960              | 21.3                |                    |          | 14.6             |                    |          | 25.8             |                    |          | 33.8             |                    |          | 47.7             |
| C50  | 50    | 1740             | 34.8                | 6.7                | 48.7     | 24.0             | 11.6               | 46.7     | 42.0             | 15.5               | 47.9     | 55               | 21.7               | 49.8     | 79               |
|      |       | 1450             | 29.0                |                    |          | 20.0             |                    |          | 35.0             |                    |          | 46.0             |                    |          | 66               |
|      |       | 1150             | 23.0                |                    |          | 15.9             |                    |          | 27.8             |                    |          | 36.5             |                    |          | 52               |
|      |       | 960              | 19.2                |                    |          | 13.2             |                    |          | 23.2             |                    |          | 30.5             |                    |          | 43.7             |
| C56  | 56    | 1740             | 31.1                | 6.7                | 56.2     | 21.6             | 11.6               | 53.9     | 37.2             | 15.5               | 55.3     | 50               | 21.7               | 57.5     | 71               |
|      |       | 1450             | 25.9                |                    |          | 18.0             |                    |          | 31.0             |                    |          | 42.0             |                    |          | 59               |
|      |       | 1150             | 20.5                |                    |          | 14.3             |                    |          | 24.6             |                    |          | 33.3             |                    |          | 46.8             |
|      |       | 960              | 17.1                |                    |          | 11.9             |                    |          | 20.5             |                    |          | 27.8             |                    |          | 39.1             |
| C63  | 63    | 1740             | 27.6                | 6.7                | 60.9     | 19.2             | 11.6               | 58.4     | 32.4             | 15.5               | 59.9     | 44.4             | 21.7               | 62.3     | 61               |
|      |       | 1450             | 23.0                |                    |          | 16.0             |                    |          | 27.0             |                    |          | 37.0             |                    |          | 51               |
|      |       | 1150             | 18.3                |                    |          | 12.7             |                    |          | 21.4             |                    |          | 29.3             |                    |          | 40.4             |
|      |       | 960              | 15.2                |                    |          | 10.6             |                    |          | 17.9             |                    |          | 24.5             |                    |          | 33.8             |
| C71  | 71    | 1740             | 24.5                | 6.7                | 68.7     | 16.8             | 11.6               | 65.8     | 28.8             | 15.5               | 67.5     | 39.6             | 20.0               | 70.2     | 50               |
|      |       | 1450             | 20.4                |                    |          | 14.0             |                    |          | 24.0             |                    |          | 33.0             |                    |          | 42.0             |
|      |       | 1150             | 16.2                |                    |          | 11.1             |                    |          | 19.0             |                    |          | 26.2             |                    |          | 33.3             |
|      |       | 960              | 13.5                |                    |          | 9.3              |                    |          | 15.9             |                    |          | 21.8             |                    |          | 27.8             |
| C80  | 80    | 1740             | 21.8                | 6.7                | 78.8     | 14.9             | 11.6               | 75.5     | 25.2             | 15.5               | 77.5     | 34.8             | 20.0               | 80.5     | 44.7             |
|      |       | 1450             | 18.1                |                    |          | 12               |                    |          | 21.0             |                    |          | 29.0             |                    |          | 37               |
|      |       | 1150             | 14.4                |                    |          | 9.9              |                    |          | 16.7             |                    |          | 23.0             |                    |          | 29.6             |
|      |       | 960              | 12.0                |                    |          | 8.2              |                    |          | 13.9             |                    |          | 19.2             |                    |          | 24.7             |
| C90  | 90    | 1740             | 19.3                | 6.7                | 85.8     | 13.3             | 11.6               | 82.3     | 22.8             | 15.5               | 84.4     | 31.2             | 20.0               | 87.8     | 39.8             |
|      |       | 1450             | 16.1                |                    |          | 11.0             |                    |          | 19.0             |                    |          | 26.0             |                    |          | 33               |
|      |       | 1150             | 12.8                |                    |          | 8.8              |                    |          | 15.1             |                    |          | 20.6             |                    |          | 26.3             |
|      |       | 960              | 10.7                |                    |          | 7.3              |                    |          | 12.6             |                    |          | 17.2             |                    |          | 21.9             |

| B308                      |                 |                         | B309                      |                 |                         | B310                      |                 |                         | B311                      |                 |                         | B312                      |                 |                         | n <sub>2N</sub> | n <sub>1</sub> | i <sub>N</sub> | Code |
|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|-----------------|----------------|----------------|------|
| T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | (r/min)         | (r/min)        |                |      |
| 21.5                      | 15.3            | 245                     | 31.0                      | 15.6            | 354                     | 35.6                      | 15.4            | 406                     | 60                        | 15.4            | 683                     | 67                        | 15.5            | 756                     | 109.0           | 1740           | 16             | C16  |
|                           |                 | 204                     |                           |                 | 295                     |                           |                 | 338                     |                           |                 | 569                     |                           |                 | 630                     | 90.6            | 1450           |                |      |
|                           |                 | 162                     |                           |                 | 234                     |                           |                 | 268                     |                           |                 | 451                     |                           |                 | 500                     | 71.9            | 1150           |                |      |
|                           |                 | 135                     |                           |                 | 195                     |                           |                 | 224                     |                           |                 | 377                     |                           |                 | 417                     | 60.0            | 960            |                |      |
| 23.1                      | 17.2            | 232                     | 34.0                      | 17.6            | 341                     | 37.5                      | 17.4            | 377                     | 62                        | 17.4            | 624                     | 70                        | 17.4            | 701                     | 96.7            | 1740           | 18             | C18  |
|                           |                 | 193                     |                           |                 | 284                     |                           |                 | 314                     |                           |                 | 520                     |                           |                 | 584                     | 80.6            | 1450           |                |      |
|                           |                 | 153                     |                           |                 | 225                     |                           |                 | 249                     |                           |                 | 412                     |                           |                 | 463                     | 63.9            | 1150           |                |      |
|                           |                 | 128                     |                           |                 | 188                     |                           |                 | 208                     |                           |                 | 344                     |                           |                 | 387                     | 53.3            | 960            |                |      |
| 25.0                      | 19.9            | 227                     | 35.7                      | 20.4            | 325                     | 39.3                      | 20.1            | 358                     | 64                        | 20.1            | 577                     | 73                        | 20.2            | 661                     | 87.0            | 1740           | 20             | C20  |
|                           |                 | 189                     |                           |                 | 271                     |                           |                 | 298                     |                           |                 | 481                     |                           |                 | 551                     | 72.5            | 1450           |                |      |
|                           |                 | 150                     |                           |                 | 215                     |                           |                 | 236                     |                           |                 | 381                     |                           |                 | 437                     | 57.5            | 1150           |                |      |
|                           |                 | 125                     |                           |                 | 179                     |                           |                 | 197                     |                           |                 | 318                     |                           |                 | 365                     | 48.0            | 960            |                |      |
| 27.2                      | 21.6            | 215                     | 35.7                      | 22.1            | 290                     | 43.8                      | 21.8            | 340                     | 64                        | 21.8            | 516                     | 78                        | 21.8            | 614                     | 77.7            | 1740           | 22.4           | C22  |
|                           |                 | 179                     |                           |                 | 242                     |                           |                 | 283                     |                           |                 | 430                     |                           |                 | 512                     | 64.7            | 1450           |                |      |
|                           |                 | 142                     |                           |                 | 192                     |                           |                 | 224                     |                           |                 | 341                     |                           |                 | 406                     | 51.3            | 1150           |                |      |
|                           |                 | 119                     |                           |                 | 160                     |                           |                 | 187                     |                           |                 | 285                     |                           |                 | 339                     | 42.9            | 960            |                |      |
| 27.2                      | 24.4            | 197                     | 35.7                      | 25.0            | 260                     | 43.8                      | 24.7            | 319                     | 64                        | 24.7            | 462                     | 78                        | 24.7            | 563                     | 69.6            | 1740           | 25             | C25  |
|                           |                 | 164                     |                           |                 | 217                     |                           |                 | 266                     |                           |                 | 385                     |                           |                 | 469                     | 58.0            | 1450           |                |      |
|                           |                 | 130                     |                           |                 | 172                     |                           |                 | 211                     |                           |                 | 305                     |                           |                 | 372                     | 46.0            | 1150           |                |      |
|                           |                 | 109                     |                           |                 | 144                     |                           |                 | 176                     |                           |                 | 255                     |                           |                 | 311                     | 38.4            | 960            |                |      |
| 27.2                      | 27.9            | 178                     | 35.7                      | 27.1            | 233                     | 43.8                      | 26.7            | 287                     | 64                        | 28.9            | 416                     | 78                        | 29.0            | 505                     | 62.1            | 1740           | 28             | C28  |
|                           |                 | 148                     |                           |                 | 194                     |                           |                 | 239                     |                           |                 | 347                     |                           |                 | 421                     | 51.8            | 1450           |                |      |
|                           |                 | 117                     |                           |                 | 154                     |                           |                 | 190                     |                           |                 | 275                     |                           |                 | 334                     | 41.1            | 1150           |                |      |
|                           |                 | 98                      |                           |                 | 128                     |                           |                 | 158                     |                           |                 | 230                     |                           |                 | 279                     | 34.3            | 960            |                |      |
| 27.2                      | 31.5            | 157                     | 35.7                      | 30.5            | 208                     | 43.8                      | 30.1            | 256                     | 64                        | 32.6            | 370                     | 78                        | 32.6            | 450                     | 55.2            | 1740           | 31.5           | C32  |
|                           |                 | 131                     |                           |                 | 173                     |                           |                 | 213                     |                           |                 | 308                     |                           |                 | 375                     | 46.0            | 1450           |                |      |
|                           |                 | 104                     |                           |                 | 137                     |                           |                 | 169                     |                           |                 | 244                     |                           |                 | 297                     | 36.5            | 1150           |                |      |
|                           |                 | 87                      |                           |                 | 115                     |                           |                 | 141                     |                           |                 | 204                     |                           |                 | 248                     | 30.5            | 960            |                |      |
| 27.2                      | 36.5            | 138                     | 35.7                      | 35.4            | 182                     | 43.8                      | 34.9            | 223                     | 64                        | 37.7            | 324                     | 78                        | 37.8            | 394                     | 49.0            | 1740           | 35.5           | C36  |
|                           |                 | 115                     |                           |                 | 152                     |                           |                 | 186                     |                           |                 | 270                     |                           |                 | 328                     | 40.8            | 1450           |                |      |
|                           |                 | 91                      |                           |                 | 121                     |                           |                 | 148                     |                           |                 | 214                     |                           |                 | 260                     | 32.4            | 1150           |                |      |
|                           |                 | 76                      |                           |                 | 101                     |                           |                 | 123                     |                           |                 | 179                     |                           |                 | 217                     | 27.0            | 960            |                |      |
| 27.2                      | 39.4            | 125                     | 35.7                      | 38.2            | 164                     | 43.8                      | 37.8            | 202                     | 64                        | 40.8            | 293                     | 78                        | 40.9            | 356                     | 43.5            | 1740           | 40             | C40  |
|                           |                 | 104                     |                           |                 | 137                     |                           |                 | 168                     |                           |                 | 244                     |                           |                 | 297                     | 36.3            | 1450           |                |      |
|                           |                 | 82                      |                           |                 | 109                     |                           |                 | 133                     |                           |                 | 194                     |                           |                 | 236                     | 28.8            | 1150           |                |      |
|                           |                 | 69                      |                           |                 | 91                      |                           |                 | 111                     |                           |                 | 162                     |                           |                 | 197                     | 24.0            | 960            |                |      |
| 27.2                      | 44.7            | 108                     | 35.7                      | 43.3            | 143                     | 43.8                      | 42.8            | 175                     | 64                        | 46.3            | 254                     | 78                        | 46.3            | 308                     | 38.7            | 1740           | 45             | C45  |
|                           |                 | 90                      |                           |                 | 119                     |                           |                 | 146                     |                           |                 | 212                     |                           |                 | 257                     | 32.2            | 1450           |                |      |
|                           |                 | 71                      |                           |                 | 94                      |                           |                 | 116                     |                           |                 | 168                     |                           |                 | 204                     | 25.6            | 1150           |                |      |
|                           |                 | 60                      |                           |                 | 79                      |                           |                 | 97                      |                           |                 | 140                     |                           |                 | 170                     | 21.3            | 960            |                |      |
| 27.2                      | 49.2            | 98                      | 35.7                      | 47.7            | 130                     | 43.8                      | 47.1            | 158                     | 64                        | 50.9            | 230                     | 78                        | 51.0            | 281                     | 34.8            | 1740           | 50             | C50  |
|                           |                 | 82                      |                           |                 | 108                     |                           |                 | 132                     |                           |                 | 192                     |                           |                 | 234                     | 29.0            | 1450           |                |      |
|                           |                 | 65                      |                           |                 | 86                      |                           |                 | 105                     |                           |                 | 152                     |                           |                 | 186                     | 23.0            | 1150           |                |      |
|                           |                 | 54                      |                           |                 | 72                      |                           |                 | 87                      |                           |                 | 127                     |                           |                 | 155                     | 19.2            | 960            |                |      |
| 27.2                      | 56.7            | 88                      | 35.7                      | 55.0            | 116                     | 43.8                      | 54.3            | 143                     | 64                        | 58.7            | 208                     | 78                        | 58.8            | 253                     | 31.1            | 1740           | 56             | C56  |
|                           |                 | 73                      |                           |                 | 97                      |                           |                 | 119                     |                           |                 | 173                     |                           |                 | 211                     | 25.9            | 1450           |                |      |
|                           |                 | 58                      |                           |                 | 77                      |                           |                 | 94                      |                           |                 | 137                     |                           |                 | 167                     | 20.5            | 1150           |                |      |
|                           |                 | 48.3                    |                           |                 | 64                      |                           |                 | 79                      |                           |                 | 115                     |                           |                 | 140                     | 17.1            | 960            |                |      |
| 27.2                      | 61.5            | 79                      | 35.7                      | 59.6            | 103                     | 43.8                      | 58.8            | 127                     | 64                        | 63.6            | 185                     | 78                        | 63.7            | 226                     | 27.6            | 1740           | 63             | C63  |
|                           |                 | 66                      |                           |                 | 86                      |                           |                 | 106                     |                           |                 | 154                     |                           |                 | 188                     | 23.0            | 1450           |                |      |
|                           |                 | 52                      |                           |                 | 68                      |                           |                 | 84                      |                           |                 | 122                     |                           |                 | 149                     | 18.3            | 1150           |                |      |
|                           |                 | 43.7                    |                           |                 | 57                      |                           |                 | 70                      |                           |                 | 102                     |                           |                 | 124                     | 15.2            | 960            |                |      |
| 27.2                      | 69.3            | 68                      | 34.0                      | 67.2            | 86                      | 43.8                      | 66.3            | 112                     | 60                        | 71.7            | 152                     | 78                        | 71.8            | 196                     | 24.5            | 1740           | 71             | C71  |
|                           |                 | 57                      |                           |                 | 72                      |                           |                 | 93                      |                           |                 | 127                     |                           |                 | 163                     | 20.4            | 1450           |                |      |
|                           |                 | 45.2                    |                           |                 | 57                      |                           |                 | 74                      |                           |                 | 101                     |                           |                 | 129                     | 16.2            | 1150           |                |      |
|                           |                 | 37.7                    |                           |                 | 47.7                    |                           |                 | 62                      |                           |                 | 84                      |                           |                 | 108                     | 13.5            | 960            |                |      |
| 27.2                      | 79.5            | 60                      | 34.0                      | 77.0            | 77                      | 43.8                      | 76.1            | 100                     | 60                        | 82.2            | 135                     | 78                        | 82.3            | 175                     | 21.8            | 1740           | 80             | C80  |
|                           |                 | 50                      |                           |                 | 64                      |                           |                 | 83                      |                           |                 | 113                     |                           |                 | 146                     | 18.1            | 1450           |                |      |
|                           |                 | 39.7                    |                           |                 | 51                      |                           |                 | 66                      |                           |                 | 89                      |                           |                 | 116                     | 14.4            | 1150           |                |      |
|                           |                 | 33.1                    |                           |                 | 42.3                    |                           |                 | 55                      |                           |                 | 75                      |                           |                 | 97                      | 12.0            | 960            |                |      |
| 25.2                      | 86.6            | 52                      | 34.0                      | 84.0            | 68                      | 43.8                      | 82.9            | 88                      | 60                        | 89.6            | 120                     | 78                        | 89.7            | 152                     | 19.3            | 1740           | 90             | C90  |
|                           |                 | 43.0                    |                           |                 | 57                      |                           |                 | 73                      |                           |                 | 100                     |                           |                 | 127                     | 16.1            | 1450           |                |      |
|                           |                 | 34.1                    |                           |                 | 45.0                    |                           |                 | 58                      |                           |                 | 79                      |                           |                 | 101                     | 12.8            | 1150           |                |      |
|                           |                 | 28.5                    |                           |                 | 37.6                    |                           |                 | 48.3                    |                           |                 | 66                      |                           |                 | 84                      | 10.7            | 960            |                |      |

B3 (iN=16-90)

| Code | $i_N$ | $n_1$<br>(r/min) | $n_{2N}$<br>(r/min) | B313          |          |             | B314          |          |             | B315          |          |             |
|------|-------|------------------|---------------------|---------------|----------|-------------|---------------|----------|-------------|---------------|----------|-------------|
|      |       |                  |                     | T2N<br>(kN·m) | $i_{ex}$ | P1N<br>(kW) | T2N<br>(kN·m) | $i_{ex}$ | P1N<br>(kW) | T2N<br>(kN·m) | $i_{ex}$ | P1N<br>(kW) |
| C16  | 16    | 1740             | 108.8               | 91            | 14.898   | 1113        | 112           | 14.909   | 1369        | 148           | 15.260   | 1767*       |
|      |       | 1450             | 90.6                |               |          | 927         |               |          | 1141        |               |          | 1473        |
|      |       | 1150             | 71.9                |               |          | 736         |               |          | 905         |               |          | 1168        |
|      |       | 960              | 60.0                |               |          | 614         |               |          | 755         |               |          | 975         |
| C18  | 18    | 1740             | 96.7                | 91            | 16.794   | 987         | 112           | 16.806   | 1214        | 148           | 17.202   | 1568*       |
|      |       | 1450             | 80.6                |               |          | 823         |               |          | 1012        |               |          | 1306        |
|      |       | 1150             | 63.9                |               |          | 653         |               |          | 802         |               |          | 1036        |
|      |       | 960              | 53.3                |               |          | 545         |               |          | 670         |               |          | 865         |
| C20  | 20    | 1740             | 87.0                | 91            | 19.445   | 853         | 119           | 19.460   | 1114        | 153           | 19.918   | 1400*       |
|      |       | 1450             | 72.5                |               |          | 711         |               |          | 928         |               |          | 1166        |
|      |       | 1150             | 57.5                |               |          | 564         |               |          | 736         |               |          | 925         |
|      |       | 960              | 48.0                |               |          | 470         |               |          | 615         |               |          | 772         |
| C22  | 22.4  | 1740             | 77.7                | 91            | 21.032   | 788         | 119           | 21.048   | 1030        | 153           | 21.543   | 1294*       |
|      |       | 1450             | 64.7                |               |          | 657         |               |          | 858         |               |          | 1078        |
|      |       | 1150             | 51.3                |               |          | 521         |               |          | 681         |               |          | 855         |
|      |       | 960              | 42.9                |               |          | 435         |               |          | 568         |               |          | 714         |
| C25  | 25    | 1740             | 69.6                | 91            | 23.836   | 696         | 125           | 23.854   | 955         | 153           | 24.415   | 1142*       |
|      |       | 1450             | 58.0                |               |          | 580         |               |          | 796         |               |          | 951         |
|      |       | 1150             | 46.0                |               |          | 460         |               |          | 631         |               |          | 755         |
|      |       | 960              | 38.4                |               |          | 384         |               |          | 527         |               |          | 630         |
| C28  | 28    | 1740             | 62.1                | 91            | 27.465   | 604         | 125           | 27.485   | 829         | 153           | 27.279   | 1022*       |
|      |       | 1450             | 51.8                |               |          | 503         |               |          | 691         |               |          | 852         |
|      |       | 1150             | 41.1                |               |          | 399         |               |          | 548         |               |          | 675         |
|      |       | 960              | 34.3                |               |          | 333         |               |          | 457         |               |          | 564         |
| C32  | 31.5  | 1740             | 55.2                | 91            | 30.960   | 536         | 125           | 30.983   | 735         | 153           | 30.751   | 907*        |
|      |       | 1450             | 46.0                |               |          | 446         |               |          | 613         |               |          | 755         |
|      |       | 1150             | 36.5                |               |          | 354         |               |          | 486         |               |          | 599         |
|      |       | 960              | 30.5                |               |          | 295         |               |          | 406         |               |          | 500         |
| C36  | 35.5  | 1740             | 49.0                | 91            | 35.849   | 463         | 125           | 35.876   | 635         | 153           | 35.607   | 783*        |
|      |       | 1450             | 40.8                |               |          | 385         |               |          | 529         |               |          | 652         |
|      |       | 1150             | 32.4                |               |          | 306         |               |          | 420         |               |          | 517         |
|      |       | 960              | 27.0                |               |          | 255         |               |          | 350         |               |          | 432         |
| C40  | 40    | 1740             | 43.5                | 91            | 38.774   | 428         | 125           | 38.803   | 587         | 153           | 38.512   | 724*        |
|      |       | 1450             | 36.3                |               |          | 356         |               |          | 489         |               |          | 603         |
|      |       | 1150             | 28.8                |               |          | 283         |               |          | 388         |               |          | 478         |
|      |       | 960              | 24.0                |               |          | 236         |               |          | 324         |               |          | 399         |
| C45  | 45    | 1740             | 38.7                | 91            | 43.944   | 377         | 125           | 43.976   | 518         | 153           | 43.647   | 639*        |
|      |       | 1450             | 32.2                |               |          | 314         |               |          | 432         |               |          | 532         |
|      |       | 1150             | 25.6                |               |          | 249         |               |          | 342         |               |          | 422         |
|      |       | 960              | 21.3                |               |          | 208         |               |          | 286         |               |          | 352         |
| C50  | 50    | 1740             | 34.8                | 91            | 48.338   | 343         | 125           | 48.374   | 471         | 153           | 48.012   | 581         |
|      |       | 1450             | 29.0                |               |          | 286         |               |          | 392         |               |          | 484         |
|      |       | 1150             | 23.0                |               |          | 227         |               |          | 311         |               |          | 384         |
|      |       | 960              | 19.2                |               |          | 189         |               |          | 260         |               |          | 320         |
| C56  | 56    | 1740             | 31.1                | 91            | 55.775   | 297         | 125           | 55.816   | 408         | 153           | 55.398   | 503         |
|      |       | 1450             | 25.9                |               |          | 248         |               |          | 340         |               |          | 419         |
|      |       | 1150             | 20.5                |               |          | 196         |               |          | 270         |               |          | 333         |
|      |       | 960              | 17.1                |               |          | 164         |               |          | 225         |               |          | 278         |
| C63  | 63    | 1740             | 27.6                | 91            | 60.423   | 274         | 125           | 60.468   | 377         | 153           | 60.015   | 464         |
|      |       | 1450             | 23.0                |               |          | 229         |               |          | 314         |               |          | 387         |
|      |       | 1150             | 18.3                |               |          | 181         |               |          | 249         |               |          | 307         |
|      |       | 960              | 15.2                |               |          | 151         |               |          | 208         |               |          | 256         |
| C71  | 71    | 1740             | 24.5                | 91            | 68.113   | 243         | 125           | 68.164   | 334         | 153           | 67.653   | 412         |
|      |       | 1450             | 20.4                |               |          | 203         |               |          | 278         |               |          | 343         |
|      |       | 1150             | 16.2                |               |          | 161         |               |          | 221         |               |          | 272         |
|      |       | 960              | 13.5                |               |          | 134         |               |          | 184         |               |          | 227         |
| C80  | 80    | 1740             | 21.8                | 91            | 78.122   | 212         | 125           | 78.180   | 291         | 153           | 77.595   | 359         |
|      |       | 1450             | 18.1                |               |          | 177         |               |          | 243         |               |          | 299         |
|      |       | 1150             | 14.4                |               |          | 140         |               |          | 193         |               |          | 237         |
|      |       | 960              | 12.0                |               |          | 117         |               |          | 161         |               |          | 198         |
| C90  | 90    | 1740             | 19.3                | 91            | 85.141   | 195         | 125           | 85.204   | 267         | 153           | 84.566   | 330         |
|      |       | 1450             | 16.1                |               |          | 162         |               |          | 223         |               |          | 275         |
|      |       | 1150             | 12.8                |               |          | 129         |               |          | 177         |               |          | 218         |
|      |       | 960              | 10.7                |               |          | 107         |               |          | 147         |               |          | 182         |

卧式安装齿轮箱  
应采用强制润滑。  
\* 敬请垂询

Forced lubrication required  
on horizontal gearbox.  
\* On request.

| B316            |                 |             | B317            |                 |             | B318            |                 |             | n <sub>2N</sub><br>(r/min) | n <sub>1</sub><br>(r/min) | i <sub>N</sub> | Code |
|-----------------|-----------------|-------------|-----------------|-----------------|-------------|-----------------|-----------------|-------------|----------------------------|---------------------------|----------------|------|
| T2N<br>(kN · m) | i <sub>ex</sub> | P1N<br>(kW) | T2N<br>(kN · m) | i <sub>ex</sub> | P1N<br>(kW) | T2N<br>(kN · m) | i <sub>ex</sub> | P1N<br>(kW) |                            |                           |                |      |
| 183             | 15.248          | 2187*       | 220             | 15.643          | 2562*       | 253             | 16.020          | 2877*       | 108.8                      | 1740                      | 16             | C16  |
|                 |                 | 1822        |                 |                 | 2135        |                 |                 | 2398        | 90.6                       | 1450                      |                |      |
|                 |                 | 1445        |                 |                 | 1694        |                 |                 | 1902        | 71.9                       | 1150                      |                |      |
|                 |                 | 1206        |                 |                 | 1414        |                 |                 | 1588        | 60.0                       | 960                       |                |      |
| 183             | 17.189          | 1940*       | 220             | 18.113          | 2213*       | 265             | 18.058          | 2674*       | 96.7                       | 1740                      | 18             | C18  |
|                 |                 | 1616        |                 |                 | 1844        |                 |                 | 2228        | 80.6                       | 1450                      |                |      |
|                 |                 | 1282        |                 |                 | 1463        |                 |                 | 1767        | 63.9                       | 1150                      |                |      |
|                 |                 | 1070        |                 |                 | 1221        |                 |                 | 1475        | 53.3                       | 960                       |                |      |
| 183             | 19.903          | 1675*       | 220             | 19.591          | 2046*       | 265             | 20.910          | 2309*       | 87.0                       | 1740                      | 20             | C20  |
|                 |                 | 1396        |                 |                 | 1705        |                 |                 | 1924        | 72.5                       | 1450                      |                |      |
|                 |                 | 1107        |                 |                 | 1352        |                 |                 | 1526        | 57.5                       | 1150                      |                |      |
|                 |                 | 924         |                 |                 | 1129        |                 |                 | 1274        | 48.0                       | 960                       |                |      |
| 190             | 21.527          | 1608*       | 220             | 22.943          | 1747*       | 265             | 22.616          | 2135*       | 77.7                       | 1740                      | 22.4           | C22  |
|                 |                 | 1340        |                 |                 | 1456        |                 |                 | 1779        | 64.7                       | 1450                      |                |      |
|                 |                 | 1063        |                 |                 | 1155        |                 |                 | 1411        | 51.3                       | 1150                      |                |      |
|                 |                 | 887         |                 |                 | 964         |                 |                 | 1178        | 42.9                       | 960                       |                |      |
| 190             | 24.397          | 1419*       | 220             | 24.688          | 1624*       | 265             | 26.486          | 1823*       | 69.6                       | 1740                      | 25             | C25  |
|                 |                 | 1182        |                 |                 | 1353        |                 |                 | 1519        | 58.0                       | 1450                      |                |      |
|                 |                 | 938         |                 |                 | 1073        |                 |                 | 1205        | 46.0                       | 1150                      |                |      |
|                 |                 | 783         |                 |                 | 896         |                 |                 | 1006        | 38.4                       | 960                       |                |      |
| 190             | 27.259          | 1270*       | 220             | 27.830          | 1440*       | 265             | 28.500          | 1694*       | 62.1                       | 1740                      | 28             | C28  |
|                 |                 | 1058        |                 |                 | 1200        |                 |                 | 1412        | 51.8                       | 1450                      |                |      |
|                 |                 | 839         |                 |                 | 952         |                 |                 | 1120        | 41.1                       | 1150                      |                |      |
|                 |                 | 701         |                 |                 | 795         |                 |                 | 935         | 34.3                       | 960                       |                |      |
| 190             | 30.728          | 1127*       | 220             | 32.224          | 1244*       | 265             | 32.127          | 1503*       | 55.2                       | 1740                      | 31.5           | C32  |
|                 |                 | 939         |                 |                 | 1037        |                 |                 | 1252        | 46.0                       | 1450                      |                |      |
|                 |                 | 745         |                 |                 | 822         |                 |                 | 993         | 36.5                       | 1150                      |                |      |
|                 |                 | 622         |                 |                 | 686         |                 |                 | 829         | 30.5                       | 960                       |                |      |
| 190             | 35.580          | 973*        | 220             | 34.853          | 1150*       | 265             | 37.200          | 1298*       | 49.0                       | 1740                      | 35.5           | C36  |
|                 |                 | 811         |                 |                 | 958         |                 |                 | 1082        | 40.8                       | 1450                      |                |      |
|                 |                 | 643         |                 |                 | 760         |                 |                 | 858         | 32.4                       | 1150                      |                |      |
|                 |                 | 537         |                 |                 | 635         |                 |                 | 716         | 27.0                       | 960                       |                |      |
| 190             | 38.483          | 900*        | 220             | 40.817          | 982*        | 265             | 40.235          | 1200*       | 43.5                       | 1740                      | 40             | C40  |
|                 |                 | 750         |                 |                 | 818         |                 |                 | 1000        | 36.3                       | 1450                      |                |      |
|                 |                 | 595         |                 |                 | 649         |                 |                 | 793         | 28.8                       | 1150                      |                |      |
|                 |                 | 496         |                 |                 | 542         |                 |                 | 662         | 24.0                       | 960                       |                |      |
| 190             | 43.615          | 794*        | 220             | 43.450          | 923*        | 265             | 47.120          | 1025*       | 38.7                       | 1740                      | 45             | C45  |
|                 |                 | 661         |                 |                 | 769         |                 |                 | 854         | 32.2                       | 1450                      |                |      |
|                 |                 | 525         |                 |                 | 610         |                 |                 | 677         | 25.6                       | 1150                      |                |      |
|                 |                 | 438         |                 |                 | 509         |                 |                 | 565         | 21.3                       | 960                       |                |      |
| 190             | 47.976          | 722*        | 220             | 50.135          | 800*        | 265             | 50.160          | 963*        | 34.8                       | 1740                      | 50             | C50  |
|                 |                 | 601         |                 |                 | 666         |                 |                 | 802         | 29.0                       | 1450                      |                |      |
|                 |                 | 477         |                 |                 | 528         |                 |                 | 636         | 23.0                       | 1150                      |                |      |
|                 |                 | 398         |                 |                 | 441         |                 |                 | 531         | 19.2                       | 960                       |                |      |
| 190             | 55.357          | 625         | 220             | 54.313          | 738*        | 265             | 57.877          | 834*        | 31.1                       | 1740                      | 56             | C56  |
|                 |                 | 521         |                 |                 | 615         |                 |                 | 695         | 25.9                       | 1450                      |                |      |
|                 |                 | 413         |                 |                 | 488         |                 |                 | 551         | 20.5                       | 1150                      |                |      |
|                 |                 | 345         |                 |                 | 407         |                 |                 | 460         | 17.1                       | 960                       |                |      |
| 190             | 59.970          | 577         | 220             | 61.225          | 655*        | 265             | 62.700          | 770*        | 27.6                       | 1740                      | 63             | C63  |
|                 |                 | 481         |                 |                 | 546         |                 |                 | 642         | 23.0                       | 1450                      |                |      |
|                 |                 | 382         |                 |                 | 433         |                 |                 | 509         | 18.3                       | 1150                      |                |      |
|                 |                 | 318         |                 |                 | 361         |                 |                 | 425         | 15.2                       | 960                       |                |      |
| 190             | 67.603          | 512         | 220             | 70.222          | 571*        | 265             | 70.680          | 683*        | 24.5                       | 1740                      | 71             | C71  |
|                 |                 | 427         |                 |                 | 476         |                 |                 | 569         | 20.4                       | 1450                      |                |      |
|                 |                 | 338         |                 |                 | 377         |                 |                 | 451         | 16.2                       | 1150                      |                |      |
|                 |                 | 283         |                 |                 | 315         |                 |                 | 377         | 13.5                       | 960                       |                |      |
| 190             | 77.537          | 446         | 220             | 76.531          | 524*        | 265             | 81.067          | 596*        | 21.8                       | 1740                      | 80             | C80  |
|                 |                 | 372         |                 |                 | 436         |                 |                 | 496         | 18.1                       | 1450                      |                |      |
|                 |                 | 295         |                 |                 | 346         |                 |                 | 394         | 14.4                       | 1150                      |                |      |
|                 |                 | 246         |                 |                 | 289         |                 |                 | 329         | 12.0                       | 960                       |                |      |
| 190             | 84.503          | 410         |                 |                 |             | 265             | 88.350          | 546*        | 19.3                       | 1740                      | 90             | C90  |
|                 |                 | 341         |                 |                 |             |                 |                 | 455         | 16.1                       | 1450                      |                |      |
|                 |                 | 271         |                 |                 |             |                 |                 | 361         | 12.8                       | 1150                      |                |      |
|                 |                 | 226         |                 |                 |             |                 |                 | 302         | 10.7                       | 960                       |                |      |

卧式安装齿轮箱  
应采用强制润滑。  
\* 敬请垂询

Forced lubrication required  
on horizontal gearbox.  
\* On request.

B3 (iN=16-90)

| Code | $i_N$ | $n_1$<br>(r/min) | $n_{2N}$<br>(r/min) | B319               |          |                  | B320               |          |                  | B321               |          |                  | B322               |          |                  |
|------|-------|------------------|---------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|
|      |       |                  |                     | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) |
| C16  | 16    | 1740             | 108.8               | 330                | 15.749   | 3818*            | 380                | 15.809   | 4380*            |                    |          |                  |                    |          |                  |
|      |       | 1450             | 90.6                |                    |          | 3182*            |                    |          | 3650*            |                    |          |                  |                    |          |                  |
|      |       | 1150             | 71.9                |                    |          | 2523*            |                    |          | 2895*            |                    |          |                  |                    |          |                  |
|      |       | 960              | 60.0                |                    |          | 2106             |                    |          | 2416             |                    |          |                  |                    |          |                  |
| C18  | 18    | 1740             | 96.7                | 330                | 18.235   | 3297*            | 380                | 17.821   | 3885*            | 460                | 17.593   | 4764*            |                    |          |                  |
|      |       | 1450             | 80.6                |                    |          | 2748*            |                    |          | 3238*            |                    |          | 3970*            |                    |          |                  |
|      |       | 1150             | 63.9                |                    |          | 2179*            |                    |          | 2568*            |                    |          | 3149*            |                    |          |                  |
|      |       | 960              | 53.3                |                    |          | 1819             |                    |          | 2143             |                    |          | 2628             |                    |          |                  |
| C20  | 20    | 1740             | 87.0                | 330                | 19.723   | 3048*            | 380                | 20.635   | 3355*            | 460                | 19.832   | 4226*            | 520                | 19.414   | 4880*            |
|      |       | 1450             | 72.5                |                    |          | 2540*            |                    |          | 2796*            |                    |          | 3522*            |                    |          | 4067*            |
|      |       | 1150             | 57.5                |                    |          | 2015             |                    |          | 2218*            |                    |          | 2793*            |                    |          | 3225*            |
|      |       | 960              | 48.0                |                    |          | 1682             |                    |          | 1851             |                    |          | 2332             |                    |          | 2693             |
| C22  | 22.4  | 1740             | 77.7                | 330                | 23.098   | 2603*            | 380                | 22.318   | 3102*            | 460                | 22.963   | 3650*            | 520                | 21.884   | 4329*            |
|      |       | 1450             | 64.7                |                    |          | 2169             |                    |          | 2585*            |                    |          | 3042*            |                    |          | 3608*            |
|      |       | 1150             | 51.3                |                    |          | 1720             |                    |          | 2050             |                    |          | 2412             |                    |          | 2861             |
|      |       | 960              | 42.9                |                    |          | 1436             |                    |          | 1712             |                    |          | 2014             |                    |          | 2389             |
| C25  | 25    | 1740             | 69.6                | 330                | 24.449   | 2459*            | 380                | 26.137   | 2649*            | 460                | 24.837   | 3374*            | 520                | 25.340   | 3739*            |
|      |       | 1450             | 58.0                |                    |          | 2049             |                    |          | 2207             |                    |          | 2812*            |                    |          | 3116*            |
|      |       | 1150             | 46.0                |                    |          | 1625             |                    |          | 1751             |                    |          | 2230*            |                    |          | 2471*            |
|      |       | 960              | 38.4                |                    |          | 1357             |                    |          | 1461             |                    |          | 1862             |                    |          | 2063             |
| C28  | 28    | 1740             | 62.1                | 330                | 27.560   | 2182*            | 380                | 27.665   | 2503*            | 460                | 29.086   | 2882*            | 520                | 27.407   | 3457*            |
|      |       | 1450             | 51.8                |                    |          | 1818             |                    |          | 2086             |                    |          | 2401             |                    |          | 2881*            |
|      |       | 1150             | 41.1                |                    |          | 1442             |                    |          | 1654             |                    |          | 1904             |                    |          | 2285*            |
|      |       | 960              | 34.3                |                    |          | 1204             |                    |          | 1381             |                    |          | 1590             |                    |          | 1907             |
| C32  | 31.5  | 1740             | 55.2                | 330                | 31.912   | 1884*            | 380                | 31.186   | 2059*            | 460                | 31.912   | 2626*            | 520                | 32.097   | 2952*            |
|      |       | 1450             | 46.0                |                    |          | 1570             |                    |          | 1850             |                    |          | 2189             |                    |          | 2460             |
|      |       | 1150             | 36.5                |                    |          | 1245             |                    |          | 1467             |                    |          | 1736             |                    |          | 1951             |
|      |       | 960              | 30.5                |                    |          | 1040             |                    |          | 1225             |                    |          | 1449             |                    |          | 1629             |
| C36  | 35.5  | 1740             | 49.0                | 330                | 34.516   | 1742*            | 380                | 36.111   | 1917*            | 460                | 34.516   | 2428*            | 520                | 35.215   | 2690*            |
|      |       | 1450             | 40.8                |                    |          | 1452             |                    |          | 1598             |                    |          | 2023             |                    |          | 2242             |
|      |       | 1150             | 32.4                |                    |          | 1151             |                    |          | 1267             |                    |          | 1605             |                    |          | 1778             |
|      |       | 960              | 27.0                |                    |          | 961              |                    |          | 1058             |                    |          | 1340             |                    |          | 1484             |
| C40  | 40    | 1740             | 43.5                | 330                | 40.422   | 1487*            | 380                | 39.057   | 1773*            | 460                | 40.422   | 2073*            | 520                | 38.088   | 2214*            |
|      |       | 1450             | 36.3                |                    |          | 1240             |                    |          | 1477             |                    |          | 1728             |                    |          | 2073             |
|      |       | 1150             | 28.8                |                    |          | 983              |                    |          | 1172             |                    |          | 1370             |                    |          | 1644             |
|      |       | 960              | 24.0                |                    |          | 821              |                    |          | 978              |                    |          | 1144             |                    |          | 1372             |
| C45  | 45    | 1740             | 38.7                | 330                | 43.029   | 1397*            | 380                | 45.740   | 1514*            | 460                | 43.029   | 1948*            | 520                | 44.606   | 2124*            |
|      |       | 1450             | 32.2                |                    |          | 1164             |                    |          | 1261             |                    |          | 1623             |                    |          | 1770             |
|      |       | 1150             | 25.6                |                    |          | 924              |                    |          | 1000             |                    |          | 1287             |                    |          | 1404             |
|      |       | 960              | 21.3                |                    |          | 771              |                    |          | 835              |                    |          | 1075             |                    |          | 1172             |
| C50  | 50    | 1740             | 34.8                | 330                | 49.649   | 1211*            | 380                | 48.691   | 1422*            | 460                | 49.649   | 1688*            | 520                | 47.483   | 1995*            |
|      |       | 1450             | 29.0                |                    |          | 1009             |                    |          | 1185             |                    |          | 1407             |                    |          | 1663             |
|      |       | 1150             | 23.0                |                    |          | 800              |                    |          | 940              |                    |          | 1116             |                    |          | 1319             |
|      |       | 960              | 19.2                |                    |          | 668              |                    |          | 785              |                    |          | 931              |                    |          | 1101             |
| C56  | 56    | 1740             | 31.1                | 330                | 53.787   | 1118*            | 380                | 56.182   | 1232*            | 460                | 53.787   | 1558*            | 520                | 54.788   | 1729*            |
|      |       | 1450             | 25.9                |                    |          | 932              |                    |          | 1027             |                    |          | 1299             |                    |          | 1441             |
|      |       | 1150             | 20.5                |                    |          | 739              |                    |          | 814              |                    |          | 1030             |                    |          | 1143             |
|      |       | 960              | 17.1                |                    |          | 617              |                    |          | 680              |                    |          | 860              |                    |          | 954              |
| C63  | 63    | 1740             | 27.6                | 330                | 60.632   | 992*             | 380                | 60.864   | 1138*            | 460                | 60.632   | 1382*            | 520                | 59.354   | 1596*            |
|      |       | 1450             | 23.0                |                    |          | 826              |                    |          | 948              |                    |          | 1152             |                    |          | 1330             |
|      |       | 1150             | 18.3                |                    |          | 655              |                    |          | 752              |                    |          | 914              |                    |          | 1055             |
|      |       | 960              | 15.2                |                    |          | 547              |                    |          | 628              |                    |          | 763              |                    |          | 881              |
| C71  | 71    | 1740             | 24.5                | 330                | 69.542   | 865*             | 380                | 68.610   | 1009*            | 460                | 69.542   | 1205*            | 520                | 66.908   | 1416*            |
|      |       | 1450             | 20.4                |                    |          | 720              |                    |          | 841              |                    |          | 1004             |                    |          | 1180             |
|      |       | 1150             | 16.2                |                    |          | 571              |                    |          | 667              |                    |          | 797              |                    |          | 936              |
|      |       | 960              | 13.5                |                    |          | 477              |                    |          | 557              |                    |          | 665              |                    |          | 781              |
| C80  | 80    | 1740             | 21.8                | 330                | 75.790   | 793*             | 380                | 78.693   | 880*             | 460                | 75.790   | 1106*            | 520                | 76.741   | 1235*            |
|      |       | 1450             | 18.1                |                    |          | 661              |                    |          | 733              |                    |          | 922              |                    |          | 1029             |
|      |       | 1150             | 14.4                |                    |          | 524              |                    |          | 581              |                    |          | 731              |                    |          | 816              |
|      |       | 960              | 12.0                |                    |          | 438              |                    |          | 485              |                    |          | 610              |                    |          | 681              |
| C90  | 90    | 1740             | 19.3                | 330                | 85.570   | 703*             | 380                | 85.763   | 807*             | 460                | 85.570   | 979*             | 520                | 83.635   | 1133*            |
|      |       | 1450             | 16.1                |                    |          | 586              |                    |          | 673              |                    |          | 816              |                    |          | 944              |
|      |       | 1150             | 12.8                |                    |          | 464              |                    |          | 534              |                    |          | 647              |                    |          | 749              |
|      |       | 960              | 10.7                |                    |          | 388              |                    |          | 445              |                    |          | 540              |                    |          | 625              |

  卧式安装齿轮箱  
 应采用强制润滑。  
\* 敬请垂询

  Forced lubrication required  
 on horizontal gearbox.  
\* On request.

| B323                      |                 |                         | B324                      |                 |                         | B325                      |                 |                         | B326                      |                 |                         | n <sub>2N</sub><br>(r/min) | n <sub>1</sub><br>(r/min) | i <sub>N</sub> | Code |
|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|----------------------------|---------------------------|----------------|------|
| T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) |                            |                           |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 108.8                      | 1740                      | 16             | C16  |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 90.6                       | 1450                      |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 71.9                       | 1150                      |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 60.0                       | 960                       |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 96.7                       | 1740                      | 18             | C18  |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 80.6                       | 1450                      |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 63.9                       | 1150                      |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 53.3                       | 960                       |                |      |
| 640                       | 19.652          | *                       |                           |                 |                         |                           |                 |                         |                           |                 |                         | 87.0                       | 1740                      | 20             | C20  |
|                           |                 | *                       |                           |                 |                         |                           |                 |                         |                           |                 |                         | 72.5                       | 1450                      |                |      |
|                           |                 | *                       |                           |                 |                         |                           |                 |                         |                           |                 |                         | 57.5                       | 1150                      |                |      |
|                           |                 | 3274                    |                           |                 |                         |                           |                 |                         |                           |                 |                         | 48.0                       | 960                       |                |      |
| 640                       | 22.215          | *                       | 725                       | 22.272          | *                       | 860                       | 22.541          | *                       | 1030                      | 22.588          | *                       | 77.7                       | 1740                      | 22.4           | C22  |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 64.7                       | 1450                      |                |      |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 51.3                       | 1150                      |                |      |
|                           |                 | 2896                    |                           |                 | 3272                    |                           |                 | 3835                    |                           |                 | 4584                    | 42.9                       | 960                       |                |      |
| 640                       | 24.988          | *                       | 725                       | 25.177          | *                       | 860                       | 25.098          | *                       | 1030                      | 25.151          | *                       | 69.6                       | 1740                      | 25             | C25  |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 58.0                       | 1450                      |                |      |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 46.0                       | 1150                      |                |      |
|                           |                 | 2575                    |                           |                 | 2895                    |                           |                 | 3445                    |                           |                 | 4117                    | 38.4                       | 960                       |                |      |
| 640                       | 28.386          | *                       | 725                       | 28.320          | *                       | 860                       | 28.143          | *                       | 1030                      | 28.202          | *                       | 62.1                       | 1740                      | 28             | C28  |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 51.8                       | 1450                      |                |      |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 41.1                       | 1150                      |                |      |
|                           |                 | 2266                    |                           |                 | 2573                    |                           |                 | 3072                    |                           |                 | 3671                    | 34.3                       | 960                       |                |      |
| 640                       | 30.704          | *                       | 725                       | 32.171          | *                       | 860                       | 32.125          | *                       | 1030                      | 32.192          | *                       | 55.2                       | 1740                      | 31.5           | C32  |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 46.0                       | 1450                      |                |      |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 36.5                       | 1150                      |                |      |
|                           |                 | 2095                    |                           |                 | 2265                    |                           |                 | 2691                    |                           |                 | 3216                    | 30.5                       | 960                       |                |      |
| 640                       | 34.537          | *                       | 725                       | 34.797          | *                       | 860                       | 35.770          | *                       | 1030                      | 35.845          | *                       | 49.0                       | 1740                      | 35.5           | C36  |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 40.8                       | 1450                      |                |      |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 32.4                       | 1150                      |                |      |
|                           |                 | 1863                    |                           |                 | 2094                    |                           |                 | 2417                    |                           |                 | 2889                    | 27.0                       | 960                       |                |      |
| 640                       | 39.232          | *                       | 725                       | 39.141          | *                       | 860                       | 40.109          | *                       | 1030                      | 40.194          | *                       | 43.5                       | 1740                      | 40             | C40  |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 36.3                       | 1450                      |                |      |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 28.8                       | 1150                      |                |      |
|                           |                 | 1640                    |                           |                 | 1862                    |                           |                 | 2155                    |                           |                 | 2576                    | 24.0                       | 960                       |                |      |
| 640                       | 42.633          | *                       | 725                       | 44.463          | *                       | 860                       | 43.300          | *                       | 1030                      | 43.391          | *                       | 38.7                       | 1740                      | 45             | C45  |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 32.2                       | 1450                      |                |      |
|                           |                 | *                       |                           |                 | *                       |                           |                 | 2392                    |                           |                 | *                       | 25.6                       | 1150                      |                |      |
|                           |                 | 1508                    |                           |                 | 1639                    |                           |                 | 1997                    |                           |                 | 2386                    | 21.3                       | 960                       |                |      |
| 640                       | 49.078          | *                       | 725                       | 48.351          | *                       | 860                       | 50.059          | *                       | 1030                      | 50.164          | *                       | 34.8                       | 1740                      | 50             | C50  |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 29.0                       | 1450                      |                |      |
|                           |                 | 1570                    |                           |                 | 1806                    |                           |                 | 2069                    |                           |                 | 2473                    | 23.0                       | 1150                      |                |      |
|                           |                 | 1311                    |                           |                 | 1507                    |                           |                 | 1727                    |                           |                 | 2064                    | 19.2                       | 960                       |                |      |
| 640                       | 52.853          | *                       | 725                       | 55.622          | *                       | 860                       | 53.003          | *                       | 1030                      | 53.115          | *                       | 31.1                       | 1740                      | 56             | C56  |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 25.9                       | 1450                      |                |      |
|                           |                 | 1458                    |                           |                 | 1570                    |                           |                 | 1954                    |                           |                 | 2335                    | 20.5                       | 1150                      |                |      |
|                           |                 | 1217                    |                           |                 | 1310                    |                           |                 | 1631                    |                           |                 | 1949                    | 17.1                       | 960                       |                |      |
| 640                       | 60.728          | *                       | 725                       | 59.901          | *                       | 860                       | 60.071          | *                       | 1030                      | 60.197          | *                       | 27.6                       | 1740                      | 63             | C63  |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 23.0                       | 1450                      |                |      |
|                           |                 | 1269                    |                           |                 | 1457                    |                           |                 | 1724                    |                           |                 | 2060                    | 18.3                       | 1150                      |                |      |
|                           |                 | 1059                    |                           |                 | 1217                    |                           |                 | 1439                    |                           |                 | 1720                    | 15.2                       | 960                       |                |      |
| 640                       | 67.861          | *                       | 725                       | 68.825          | *                       | 860                       | 67.805          | *                       | 1030                      | 67.948          | *                       | 24.5                       | 1740                      | 71             | C71  |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 20.4                       | 1450                      |                |      |
|                           |                 | 1136                    |                           |                 | 1268                    |                           |                 | 1527                    |                           |                 | 1825                    | 16.2                       | 1150                      |                |      |
|                           |                 | 948                     |                           |                 | 1059                    |                           |                 | 1275                    |                           |                 | 1524                    | 13.5                       | 960                       |                |      |
| 640                       | 74.223          | *                       | 725                       | 76.909          | *                       | 860                       | 80.134          | *                       | 1030                      | 80.302          | *                       | 21.8                       | 1740                      | 80             | C80  |
|                           |                 | *                       |                           |                 | *                       |                           |                 | *                       |                           |                 | *                       | 18.1                       | 1450                      |                |      |
|                           |                 | 1038                    |                           |                 | 1135                    |                           |                 | 1292                    |                           |                 | 1545                    | 14.4                       | 1150                      |                |      |
|                           |                 | 867                     |                           |                 | 948                     |                           |                 | 1079                    |                           |                 | 1289                    | 12.0                       | 960                       |                |      |
|                           |                 |                         | 725                       | 84.120          | *                       |                           |                 |                         |                           |                 |                         | 19.3                       | 1740                      | 90             | C90  |
|                           |                 |                         |                           |                 | 1309                    |                           |                 |                         |                           |                 |                         | 16.1                       | 1450                      |                |      |
|                           |                 |                         |                           |                 | 1038                    |                           |                 |                         |                           |                 |                         | 12.8                       | 1150                      |                |      |
|                           |                 |                         |                           |                 | 866                     |                           |                 |                         |                           |                 |                         | 10.7                       | 960                       |                |      |

卧式安装齿轮箱  
应采用强制润滑。  
\* 敬请垂询

Forced lubrication required  
on horizontal gearbox.  
\* On request.

# B4 (iN=100-400)

| Code | iN  | n <sub>1</sub><br>(r/min) | n <sub>2N</sub><br>(r/min) | B405                      |                 |                         | B406                      |                 |                         | B407                      |                 |                         | B408                      |                 |                         |
|------|-----|---------------------------|----------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|
|      |     |                           |                            | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) |
| D10  | 100 | 1740                      | 17.4                       | 11.6                      | 96.3            | 20.9                    | 15.5                      | 98.9            | 27.8                    | 22.0                      | 98.4            | 39.6                    | 27.5                      | 97.1            | 49.2                    |
|      |     | 1450                      | 14.5                       |                           |                 | 17.4                    |                           |                 | 23.2                    |                           |                 | 33.0                    |                           |                 | 41.0                    |
|      |     | 1150                      | 11.5                       |                           |                 | 13.8                    |                           |                 | 18.4                    |                           |                 | 26.2                    |                           |                 | 32.5                    |
|      |     | 960                       | 9.6                        |                           |                 | 11.5                    |                           |                 | 15.4                    |                           |                 | 21.8                    |                           |                 | 27.1                    |
| D11  | 112 | 1740                      | 15.5                       | 11.6                      | 109.2           | 18.6                    | 15.5                      | 112.0           | 24.4                    | 22.0                      | 111.5           | 34.8                    | 27.5                      | 110.0           | 44.4                    |
|      |     | 1450                      | 12.9                       |                           |                 | 15.5                    |                           |                 | 20.3                    |                           |                 | 29.0                    |                           |                 | 37.0                    |
|      |     | 1150                      | 10.3                       |                           |                 | 12.3                    |                           |                 | 16.1                    |                           |                 | 23.0                    |                           |                 | 29.3                    |
|      |     | 960                       | 8.57                       |                           |                 | 10.3                    |                           |                 | 13.4                    |                           |                 | 19.2                    |                           |                 | 24.5                    |
| D13  | 125 | 1740                      | 13.9                       | 11.6                      | 119.4           | 16.2                    | 15.5                      | 122.6           | 22.1                    | 22.0                      | 123.9           | 31.2                    | 27.5                      | 122.2           | 39.6                    |
|      |     | 1450                      | 11.6                       |                           |                 | 13.5                    |                           |                 | 18.4                    |                           |                 | 26.0                    |                           |                 | 33.0                    |
|      |     | 1150                      | 9.20                       |                           |                 | 10.7                    |                           |                 | 14.6                    |                           |                 | 20.6                    |                           |                 | 26.2                    |
|      |     | 960                       | 7.68                       |                           |                 | 8.9                     |                           |                 | 12.2                    |                           |                 | 17.2                    |                           |                 | 21.8                    |
| D14  | 140 | 1740                      | 12.4                       | 11.6                      | 134.6           | 14.5                    | 15.5                      | 138.1           | 19.7                    | 22.0                      | 139.6           | 27.6                    | 27.5                      | 137.8           | 34.8                    |
|      |     | 1450                      | 10.4                       |                           |                 | 12.1                    |                           |                 | 16.4                    |                           |                 | 23.0                    |                           |                 | 29.0                    |
|      |     | 1150                      | 8.21                       |                           |                 | 9.6                     |                           |                 | 13.0                    |                           |                 | 18.2                    |                           |                 | 23.0                    |
|      |     | 960                       | 6.86                       |                           |                 | 8.0                     |                           |                 | 10.9                    |                           |                 | 15.2                    |                           |                 | 19.2                    |
| D16  | 160 | 1740                      | 10.9                       | 11.6                      | 143.3           | 12.7                    | 15.5                      | 147.1           | 17.4                    | 22.0                      | 148.6           | 24.0                    | 27.5                      | 146.7           | 30.0                    |
|      |     | 1450                      | 9.06                       |                           |                 | 10.6                    |                           |                 | 14.5                    |                           |                 | 20.0                    |                           |                 | 25.0                    |
|      |     | 1150                      | 7.19                       |                           |                 | 8.4                     |                           |                 | 11.5                    |                           |                 | 15.9                    |                           |                 | 19.8                    |
|      |     | 960                       | 6.00                       |                           |                 | 7.0                     |                           |                 | 9.6                     |                           |                 | 13.2                    |                           |                 | 16.6                    |
| D18  | 180 | 1740                      | 9.67                       | 11.6                      | 168.6           | 11.6                    | 15.5                      | 173.0           | 15.1                    | 22.0                      | 174.9           | 21.6                    | 27.5                      | 172.6           | 27.6                    |
|      |     | 1450                      | 8.06                       |                           |                 | 9.7                     |                           |                 | 12.6                    |                           |                 | 18.0                    |                           |                 | 23.0                    |
|      |     | 1150                      | 6.39                       |                           |                 | 7.7                     |                           |                 | 10.0                    |                           |                 | 14.3                    |                           |                 | 18.2                    |
|      |     | 960                       | 5.33                       |                           |                 | 6.4                     |                           |                 | 8.3                     |                           |                 | 11.9                    |                           |                 | 15.2                    |
| D20  | 200 | 1740                      | 8.70                       | 11.6                      | 191.1           | 10.6                    | 15.5                      | 196.1           | 13.9                    | 22.0                      | 198.2           | 19.2                    | 27.5                      | 195.6           | 24.0                    |
|      |     | 1450                      | 7.25                       |                           |                 | 8.8                     |                           |                 | 11.6                    |                           |                 | 16.0                    |                           |                 | 20.0                    |
|      |     | 1150                      | 5.75                       |                           |                 | 7.0                     |                           |                 | 9.2                     |                           |                 | 12.7                    |                           |                 | 15.9                    |
|      |     | 960                       | 4.80                       |                           |                 | 5.8                     |                           |                 | 7.7                     |                           |                 | 10.6                    |                           |                 | 13.2                    |
| D22  | 224 | 1740                      | 7.77                       | 11.6                      | 210.2           | 9.4                     | 15.5                      | 215.7           | 12.4                    | 22.0                      | 218.0           | 18.0                    | 27.5                      | 215.1           | 21.6                    |
|      |     | 1450                      | 6.47                       |                           |                 | 7.8                     |                           |                 | 10.3                    |                           |                 | 15.0                    |                           |                 | 18.0                    |
|      |     | 1150                      | 5.13                       |                           |                 | 6.2                     |                           |                 | 8.2                     |                           |                 | 11.9                    |                           |                 | 14.3                    |
|      |     | 960                       | 4.29                       |                           |                 | 5.2                     |                           |                 | 6.8                     |                           |                 | 9.9                     |                           |                 | 11.9                    |
| D25  | 250 | 1740                      | 6.96                       | 11.6                      | 242.5           | 8.4                     | 15.5                      | 248.9           | 11.3                    | 22.0                      | 251.6           | 15.6                    | 27.5                      | 248.2           | 19.2                    |
|      |     | 1450                      | 5.80                       |                           |                 | 7.0                     |                           |                 | 9.4                     |                           |                 | 13.0                    |                           |                 | 16.0                    |
|      |     | 1150                      | 4.60                       |                           |                 | 5.6                     |                           |                 | 7.5                     |                           |                 | 10.3                    |                           |                 | 12.7                    |
|      |     | 960                       | 3.84                       |                           |                 | 4.63                    |                           |                 | 6.2                     |                           |                 | 8.6                     |                           |                 | 10.6                    |
| D28  | 280 | 1740                      | 6.21                       | 11.6                      | 262.7           | 7.6                     | 15.5                      | 269.6           | 10.1                    | 22.0                      | 272.5           | 14.4                    | 27.5                      | 268.9           | 18.0                    |
|      |     | 1450                      | 5.18                       |                           |                 | 6.3                     |                           |                 | 8.4                     |                           |                 | 12.0                    |                           |                 | 15.0                    |
|      |     | 1150                      | 4.11                       |                           |                 | 5.0                     |                           |                 | 6.7                     |                           |                 | 9.5                     |                           |                 | 11.9                    |
|      |     | 960                       | 3.43                       |                           |                 | 4.17                    |                           |                 | 5.6                     |                           |                 | 7.9                     |                           |                 | 9.9                     |
| D32  | 315 | 1740                      | 5.52                       | 11.2                      | 296.2           | 6.5                     | 15.5                      | 303.9           | 8.9                     | 20.5                      | 307.2           | 12.0                    | 27.5                      | 303.2           | 15.6                    |
|      |     | 1450                      | 4.60                       |                           |                 | 5.4                     |                           |                 | 7.4                     |                           |                 | 10.0                    |                           |                 | 13.0                    |
|      |     | 1150                      | 3.65                       |                           |                 | 4.28                    |                           |                 | 5.9                     |                           |                 | 7.9                     |                           |                 | 10.3                    |
|      |     | 960                       | 3.05                       |                           |                 | 3.58                    |                           |                 | 4.90                    |                           |                 | 6.6                     |                           |                 | 8.6                     |
| D36  | 355 | 1740                      | 4.90                       | 11.2                      | 339.7           | 5.6                     | 15.5                      | 348.6           | 7.9                     | 20.5                      | 352.3           | 10.6                    | 26.5                      | 347.7           | 13.2                    |
|      |     | 1450                      | 4.08                       |                           |                 | 4.70                    |                           |                 | 6.6                     |                           |                 | 9                       |                           |                 | 11.0                    |
|      |     | 1150                      | 3.24                       |                           |                 | 3.73                    |                           |                 | 5.2                     |                           |                 | 7.0                     |                           |                 | 8.7                     |
|      |     | 960                       | 2.70                       |                           |                 | 3.11                    |                           |                 | 4.37                    |                           |                 | 5.8                     |                           |                 | 7.3                     |
| D40  | 400 | 1740                      | 4.35                       | 11.2                      | 370.2           | 5.0                     | 14.5                      | 379.9           | 6.6                     | 20.5                      | 384.0           | 9.4                     | 26.5                      | 379.0           | 12.0                    |
|      |     | 1450                      | 3.63                       |                           |                 | 4.20                    |                           |                 | 5.5                     |                           |                 | 8                       |                           |                 | 10.0                    |
|      |     | 1150                      | 2.88                       |                           |                 | 3.33                    |                           |                 | 4.36                    |                           |                 | 6.2                     |                           |                 | 7.9                     |
|      |     | 960                       | 2.40                       |                           |                 | 2.78                    |                           |                 | 3.64                    |                           |                 | 5.2                     |                           |                 | 6.6                     |

| B409                      |                 |                         | B410                      |                 |                         | B411                      |                 |                         | B412                      |                 |                         | n <sub>2N</sub><br>(r/min) | n <sub>1</sub><br>(r/min) | i <sub>N</sub> | Code |
|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|----------------------------|---------------------------|----------------|------|
| T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) |                            |                           |                |      |
| 36.0                      | 104.8           | 65                      | 44.5                      | 103.5           | 80                      | 62                        | 99.8            | 112                     | 78                        | 99.9            | 142                     | 17.4                       | 1740                      | 100            | D10  |
|                           |                 | 54                      |                           |                 | 67                      |                           |                 | 93                      |                           |                 | 118                     | 14.5                       | 1450                      |                |      |
|                           |                 | 42.8                    |                           |                 | 53                      |                           |                 | 74                      |                           |                 | 94                      | 11.5                       | 1150                      |                |      |
|                           |                 | 35.8                    |                           |                 | 44.4                    |                           |                 | 62                      |                           |                 | 78                      | 9.6                        | 960                       |                |      |
| 36.0                      | 116.5           | 58                      | 44.5                      | 115.0           | 72                      | 62                        | 113.1           | 100                     | 78                        | 113.2           | 126                     | 15.5                       | 1740                      | 112            | D11  |
|                           |                 | 48.0                    |                           |                 | 60                      |                           |                 | 83                      |                           |                 | 105                     | 12.9                       | 1450                      |                |      |
|                           |                 | 38.1                    |                           |                 | 47.6                    |                           |                 | 66                      |                           |                 | 83                      | 10.3                       | 1150                      |                |      |
|                           |                 | 31.8                    |                           |                 | 39.7                    |                           |                 | 55                      |                           |                 | 70                      | 8.57                       | 960                       |                |      |
| 36.0                      | 131.3           | 52                      | 44.5                      | 129.6           | 64                      | 62                        | 129.2           | 89                      | 78                        | 129.4           | 114                     | 13.9                       | 1740                      | 125            | D13  |
|                           |                 | 43.0                    |                           |                 | 53                      |                           |                 | 74                      |                           |                 | 95                      | 11.6                       | 1450                      |                |      |
|                           |                 | 34.1                    |                           |                 | 42.0                    |                           |                 | 59                      |                           |                 | 75                      | 9.20                       | 1150                      |                |      |
|                           |                 | 28.5                    |                           |                 | 35.1                    |                           |                 | 49                      |                           |                 | 63                      | 7.68                       | 960                       |                |      |
| 36.0                      | 139.8           | 45.6                    | 44.5                      | 138.0           | 56                      | 62                        | 145.7           | 80                      | 78                        | 145.9           | 101                     | 12.4                       | 1740                      | 140            | D14  |
|                           |                 | 38.0                    |                           |                 | 47.0                    |                           |                 | 67                      |                           |                 | 84                      | 10.4                       | 1450                      |                |      |
|                           |                 | 30.1                    |                           |                 | 37.3                    |                           |                 | 53                      |                           |                 | 67                      | 8.21                       | 1150                      |                |      |
|                           |                 | 25.2                    |                           |                 | 31.1                    |                           |                 | 44.4                    |                           |                 | 56                      | 6.86                       | 960                       |                |      |
| 36.0                      | 164.4           | 40.8                    | 44.5                      | 162.4           | 50                      | 62                        | 168.7           | 70                      | 78                        | 168.9           | 88                      | 10.9                       | 1740                      | 160            | D16  |
|                           |                 | 34.0                    |                           |                 | 42.0                    |                           |                 | 58                      |                           |                 | 73                      | 9.06                       | 1450                      |                |      |
|                           |                 | 27.0                    |                           |                 | 33.3                    |                           |                 | 46.0                    |                           |                 | 58                      | 7.19                       | 1150                      |                |      |
|                           |                 | 22.5                    |                           |                 | 27.8                    |                           |                 | 38.4                    |                           |                 | 48.3                    | 6.00                       | 960                       |                |      |
| 36.0                      | 186.3           | 36.0                    | 44.5                      | 184.0           | 44.4                    | 62                        | 182.5           | 61                      | 78                        | 182.7           | 78                      | 9.67                       | 1740                      | 180            | D18  |
|                           |                 | 30.0                    |                           |                 | 37.0                    |                           |                 | 51                      |                           |                 | 65                      | 8.06                       | 1450                      |                |      |
|                           |                 | 23.8                    |                           |                 | 29.3                    |                           |                 | 40.4                    |                           |                 | 52                      | 6.39                       | 1150                      |                |      |
|                           |                 | 19.9                    |                           |                 | 24.5                    |                           |                 | 33.8                    |                           |                 | 43.0                    | 5.33                       | 960                       |                |      |
| 36.0                      | 205.0           | 32.4                    | 44.5                      | 202.4           | 39.6                    | 62                        | 206.8           | 55                      | 78                        | 207.1           | 71                      | 8.70                       | 1740                      | 200            | D20  |
|                           |                 | 27.0                    |                           |                 | 33.0                    |                           |                 | 46.0                    |                           |                 | 59                      | 7.25                       | 1450                      |                |      |
|                           |                 | 21.4                    |                           |                 | 26.2                    |                           |                 | 36.5                    |                           |                 | 46.8                    | 5.75                       | 1150                      |                |      |
|                           |                 | 17.9                    |                           |                 | 21.8                    |                           |                 | 30.5                    |                           |                 | 39.1                    | 4.80                       | 960                       |                |      |
| 36.0                      | 236.5           | 28.8                    | 44.5                      | 233.5           | 36.0                    | 62                        | 227.5           | 50                      | 78                        | 227.8           | 62                      | 7.77                       | 1740                      | 224            | D22  |
|                           |                 | 24.0                    |                           |                 | 30.0                    |                           |                 | 42.0                    |                           |                 | 52                      | 6.47                       | 1450                      |                |      |
|                           |                 | 19.0                    |                           |                 | 23.8                    |                           |                 | 33.3                    |                           |                 | 41.2                    | 5.13                       | 1150                      |                |      |
|                           |                 | 15.9                    |                           |                 | 19.9                    |                           |                 | 27.8                    |                           |                 | 34.4                    | 4.29                       | 960                       |                |      |
| 36.0                      | 256.2           | 25.2                    | 44.5                      | 253.0           | 31.2                    | 62                        | 262.5           | 44.4                    | 78                        | 262.8           | 56                      | 6.96                       | 1740                      | 250            | D25  |
|                           |                 | 21.0                    |                           |                 | 26.0                    |                           |                 | 37.0                    |                           |                 | 47.0                    | 5.80                       | 1450                      |                |      |
|                           |                 | 16.7                    |                           |                 | 20.6                    |                           |                 | 29.3                    |                           |                 | 37.3                    | 4.60                       | 1150                      |                |      |
|                           |                 | 13.9                    |                           |                 | 17.2                    |                           |                 | 24.5                    |                           |                 | 31.1                    | 3.84                       | 960                       |                |      |
| 36.0                      | 288.8           | 22.8                    | 44.5                      | 285.2           | 27.6                    | 62                        | 284.3           | 39.6                    | 78                        | 284.7           | 52                      | 6.21                       | 1740                      | 280            | D28  |
|                           |                 | 19.0                    |                           |                 | 23.0                    |                           |                 | 33.0                    |                           |                 | 43.0                    | 5.18                       | 1450                      |                |      |
|                           |                 | 15.1                    |                           |                 | 18.2                    |                           |                 | 26.2                    |                           |                 | 34.1                    | 4.11                       | 1150                      |                |      |
|                           |                 | 12.6                    |                           |                 | 15.2                    |                           |                 | 21.8                    |                           |                 | 28.5                    | 3.43                       | 960                       |                |      |
| 34.0                      | 331.3           | 19.2                    | 44.5                      | 327.1           | 25.2                    | 62                        | 320.5           | 34.8                    | 78                        | 321.0           | 45.6                    | 5.52                       | 1740                      | 315            | D32  |
|                           |                 | 16.0                    |                           |                 | 21.0                    |                           |                 | 29.0                    |                           |                 | 38.0                    | 4.60                       | 1450                      |                |      |
|                           |                 | 12.7                    |                           |                 | 16.7                    |                           |                 | 23.0                    |                           |                 | 30.1                    | 3.65                       | 1150                      |                |      |
|                           |                 | 10.6                    |                           |                 | 13.9                    |                           |                 | 19.2                    |                           |                 | 25.2                    | 3.05                       | 960                       |                |      |
| 34.0                      | 361.0           | 16.8                    | 44.5                      | 356.5           | 22.8                    | 60                        | 327.6           | 30.8                    | 78                        | 368.2           | 39.6                    | 4.90                       | 1740                      | 355            | D36  |
|                           |                 | 14.0                    |                           |                 | 19.0                    |                           |                 | 26                      |                           |                 | 33.0                    | 4.08                       | 1450                      |                |      |
|                           |                 | 11.1                    |                           |                 | 15.1                    |                           |                 | 20.4                    |                           |                 | 26.2                    | 3.24                       | 1150                      |                |      |
|                           |                 | 9.3                     |                           |                 | 12.6                    |                           |                 | 17.0                    |                           |                 | 21.8                    | 2.70                       | 960                       |                |      |
|                           |                 |                         |                           |                 |                         | 60                        | 400.7           | 27.4                    | 74                        | 401.2           | 33.6                    | 4.35                       | 1740                      | 400            | D40  |
|                           |                 |                         |                           |                 |                         |                           |                 | 23                      |                           |                 | 28.0                    | 3.63                       | 1450                      |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 | 18.1                    |                           |                 | 22.2                    | 2.88                       | 1150                      |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 | 15.1                    |                           |                 | 18.5                    | 2.40                       | 960                       |                |      |



# B4 (iN=90-400)

| Code | i <sub>N</sub> | n <sub>1</sub><br>(r/min) | n <sub>2N</sub><br>(r/min) | B413                      |                 |                         | B414                      |                 |                         | B415                      |                 |                         |
|------|----------------|---------------------------|----------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|
|      |                |                           |                            | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) |
| C90  | 90             | 1740                      | 19.3                       |                           |                 |                         |                           |                 |                         |                           |                 |                         |
|      |                | 1450                      | 16.1                       |                           |                 |                         |                           |                 |                         |                           |                 |                         |
|      |                | 1150                      | 12.8                       |                           |                 |                         |                           |                 |                         |                           |                 |                         |
|      |                | 960                       | 10.7                       |                           |                 |                         |                           |                 |                         |                           |                 |                         |
| D10  | 100            | 1740                      | 17.4                       | 91                        | 96.935          | 171                     | 125                       | 97.007          | 235                     | 153                       | 96.280          | 290                     |
|      |                | 1450                      | 14.5                       |                           |                 | 143                     |                           |                 | 196                     |                           |                 | 241                     |
|      |                | 1150                      | 11.5                       |                           |                 | 113                     |                           |                 | 155                     |                           |                 | 191                     |
|      |                | 960                       | 9.6                        |                           |                 | 94                      |                           |                 | 130                     |                           |                 | 160                     |
| D11  | 112            | 1740                      | 15.5                       | 91                        | 109.859         | 151                     | 125                       | 109.941         | 207                     | 153                       | 109.118         | 255                     |
|      |                | 1450                      | 12.9                       |                           |                 | 126                     |                           |                 | 173                     |                           |                 | 213                     |
|      |                | 1150                      | 10.3                       |                           |                 | 100                     |                           |                 | 137                     |                           |                 | 169                     |
|      |                | 960                       | 8.6                        |                           |                 | 83                      |                           |                 | 114                     |                           |                 | 141                     |
| D13  | 125            | 1740                      | 13.9                       | 91                        | 119.014         | 139                     | 125                       | 119.103         | 191                     | 153                       | 127.783         | 218                     |
|      |                | 1450                      | 11.6                       |                           |                 | 116                     |                           |                 | 159                     |                           |                 | 182                     |
|      |                | 1150                      | 9.2                        |                           |                 | 92                      |                           |                 | 126                     |                           |                 | 144                     |
|      |                | 960                       | 7.7                        |                           |                 | 77                      |                           |                 | 106                     |                           |                 | 120                     |
| D14  | 140            | 1740                      | 12.4                       | 91                        | 134.162         | 124                     | 125                       | 134.261         | 170                     | 153                       | 144.046         | 194                     |
|      |                | 1450                      | 10.4                       |                           |                 | 103                     |                           |                 | 141                     |                           |                 | 161                     |
|      |                | 1150                      | 8.2                        |                           |                 | 82                      |                           |                 | 112                     |                           |                 | 128                     |
|      |                | 960                       | 6.9                        |                           |                 | 68                      |                           |                 | 94                      |                           |                 | 107                     |
| D16  | 160            | 1740                      | 10.9                       | 91                        | 155.345         | 107                     | 125                       | 155.461         | 146                     | 153                       | 166.790         | 167                     |
|      |                | 1450                      | 9.1                        |                           |                 | 89                      |                           |                 | 122                     |                           |                 | 139                     |
|      |                | 1150                      | 7.2                        |                           |                 | 71                      |                           |                 | 97                      |                           |                 | 110                     |
|      |                | 960                       | 6.0                        |                           |                 | 59                      |                           |                 | 81                      |                           |                 | 92                      |
| D18  | 180            | 1740                      | 9.7                        | 91                        | 168.020         | 99                      | 125                       | 168.145         | 135                     | 153                       | 180.399         | 155                     |
|      |                | 1450                      | 8.1                        |                           |                 | 82                      |                           |                 | 113                     |                           |                 | 129                     |
|      |                | 1150                      | 6.4                        |                           |                 | 65                      |                           |                 | 90                      |                           |                 | 102                     |
|      |                | 960                       | 5.3                        |                           |                 | 54                      |                           |                 | 75                      |                           |                 | 85                      |
| D20  | 200            | 1740                      | 8.7                        | 91                        | 190.423         | 87                      | 125                       | 190.565         | 120                     | 153                       | 204.452         | 136                     |
|      |                | 1450                      | 7.3                        |                           |                 | 73                      |                           |                 | 100                     |                           |                 | 114                     |
|      |                | 1150                      | 5.8                        |                           |                 | 58                      |                           |                 | 79                      |                           |                 | 90                      |
|      |                | 960                       | 4.8                        |                           |                 | 48                      |                           |                 | 66                      |                           |                 | 75                      |
| D22  | 224            | 1740                      | 7.8                        | 91                        | 209.465         | 79                      | 125                       | 209.621         | 109                     | 153                       | 224.897         | 124                     |
|      |                | 1450                      | 6.5                        |                           |                 | 66                      |                           |                 | 91                      |                           |                 | 103                     |
|      |                | 1150                      | 5.1                        |                           |                 | 52                      |                           |                 | 72                      |                           |                 | 82                      |
|      |                | 960                       | 4.3                        |                           |                 | 44                      |                           |                 | 60                      |                           |                 | 68                      |
| D25  | 250            | 1740                      | 7.0                        | 91                        | 241.691         | 69                      | 125                       | 241.871         | 94                      | 153                       | 259.497         | 107                     |
|      |                | 1450                      | 5.8                        |                           |                 | 57                      |                           |                 | 78                      |                           |                 | 90                      |
|      |                | 1150                      | 4.6                        |                           |                 | 45                      |                           |                 | 62                      |                           |                 | 71                      |
|      |                | 960                       | 3.8                        |                           |                 | 38                      |                           |                 | 52                      |                           |                 | 59                      |
| D28  | 280            | 1740                      | 6.2                        | 91                        | 261.832         | 63                      | 125                       | 262.026         | 87                      | 153                       | 281.122         | 99                      |
|      |                | 1450                      | 5.2                        |                           |                 | 53                      |                           |                 | 72                      |                           |                 | 83                      |
|      |                | 1150                      | 4.1                        |                           |                 | 42                      |                           |                 | 57                      |                           |                 | 66                      |
|      |                | 960                       | 3.4                        |                           |                 | 35                      |                           |                 | 48                      |                           |                 | 55                      |
| D32  | 315            | 1740                      | 5.5                        | 91                        | 295.156         | 56                      | 125                       | 295.375         | 77                      | 153                       | 316.901         | 88                      |
|      |                | 1450                      | 4.6                        |                           |                 | 47                      |                           |                 | 64                      |                           |                 | 73                      |
|      |                | 1150                      | 3.7                        |                           |                 | 37                      |                           |                 | 51                      |                           |                 | 58                      |
|      |                | 960                       | 3.0                        |                           |                 | 31                      |                           |                 | 43                      |                           |                 | 49                      |
| D36  | 355            | 1740                      | 4.9                        | 91                        | 338.530         | 49                      | 125                       | 338.782         | 67                      | 153                       | 363.470         | 77                      |
|      |                | 1450                      | 4.1                        |                           |                 | 41                      |                           |                 | 56                      |                           |                 | 64                      |
|      |                | 1150                      | 3.2                        |                           |                 | 32                      |                           |                 | 44                      |                           |                 | 51                      |
|      |                | 960                       | 2.7                        |                           |                 | 27                      |                           |                 | 37                      |                           |                 | 42                      |
| D40  | 400            | 1740                      | 4.4                        | 91                        | 368.944         | 45                      | 125                       | 369.219         | 62                      | 153                       | 396.126         | 70                      |
|      |                | 1450                      | 3.6                        |                           |                 | 37                      |                           |                 | 51                      |                           |                 | 59                      |
|      |                | 1150                      | 2.9                        |                           |                 | 30                      |                           |                 | 41                      |                           |                 | 47                      |
|      |                | 960                       | 2.4                        |                           |                 | 25                      |                           |                 | 34                      |                           |                 | 39                      |

| B416                      |                 |                         | B417                      |                 |                         | B418                      |                 |                         | n <sub>2N</sub><br>(r/min) | n <sub>1</sub><br>(r/min) | i <sub>N</sub> | Code |
|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|----------------------------|---------------------------|----------------|------|
| T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) |                            |                           |                |      |
|                           |                 |                         | 220                       | 87.132          | 460                     |                           |                 |                         | 19.3                       | 1740                      | 90             | C90  |
|                           |                 |                         |                           |                 | 383                     |                           |                 |                         | 16.1                       | 1450                      |                |      |
|                           |                 |                         |                           |                 | 304                     |                           |                 |                         | 12.8                       | 1150                      |                |      |
|                           |                 |                         |                           |                 | 254                     |                           |                 |                         | 10.7                       | 960                       |                |      |
| 190                       | 96.209          | 360                     | 220                       | 98.750          | 406                     | 265                       | 100.588         | 480                     | 17.4                       | 1740                      | 100            | D10  |
|                           |                 | 300                     |                           |                 | 338                     |                           |                 | 400                     | 14.5                       | 1450                      |                |      |
|                           |                 | 238                     |                           |                 | 268                     |                           |                 | 317                     | 11.5                       | 1150                      |                |      |
|                           |                 | 199                     |                           |                 | 224                     |                           |                 | 265                     | 9.6                        | 960                       |                |      |
| 190                       | 109.036         | 317                     | 220                       | 115.641         | 347                     | 265                       | 114.000         | 424                     | 15.5                       | 1740                      | 112            | D11  |
|                           |                 | 265                     |                           |                 | 289                     |                           |                 | 353                     | 12.9                       | 1450                      |                |      |
|                           |                 | 210                     |                           |                 | 229                     |                           |                 | 280                     | 10.3                       | 1150                      |                |      |
|                           |                 | 175                     |                           |                 | 191                     |                           |                 | 234                     | 8.6                        | 960                       |                |      |
| 190                       | 127.687         | 271                     | 220                       | 130.359         | 307                     | 265                       | 133.500         | 362                     | 13.9                       | 1740                      | 125            | D13  |
|                           |                 | 226                     |                           |                 | 256                     |                           |                 | 301                     | 11.6                       | 1450                      |                |      |
|                           |                 | 179                     |                           |                 | 203                     |                           |                 | 239                     | 9.2                        | 1150                      |                |      |
|                           |                 | 150                     |                           |                 | 170                     |                           |                 | 200                     | 7.7                        | 960                       |                |      |
| 190                       | 143.939         | 241                     | 220                       | 150.943         | 266                     | 265                       | 150.491         | 321                     | 12.4                       | 1740                      | 140            | D14  |
|                           |                 | 200                     |                           |                 | 221                     |                           |                 | 267                     | 10.4                       | 1450                      |                |      |
|                           |                 | 159                     |                           |                 | 176                     |                           |                 | 212                     | 8.2                        | 1150                      |                |      |
|                           |                 | 133                     |                           |                 | 147                     |                           |                 | 177                     | 6.9                        | 960                       |                |      |
| 190                       | 166.666         | 208                     | 220                       | 163.259         | 246                     | 265                       | 174.253         | 277                     | 10.9                       | 1740                      | 160            | D16  |
|                           |                 | 173                     |                           |                 | 205                     |                           |                 | 231                     | 9.1                        | 1450                      |                |      |
|                           |                 | 137                     |                           |                 | 162                     |                           |                 | 183                     | 7.2                        | 1150                      |                |      |
|                           |                 | 115                     |                           |                 | 135                     |                           |                 | 153                     | 6.0                        | 960                       |                |      |
| 190                       | 180.265         | 192                     | 220                       | 185.026         | 217                     | 265                       | 188.471         | 256                     | 9.7                        | 1740                      | 180            | D18  |
|                           |                 | 160                     |                           |                 | 181                     |                           |                 | 213                     | 8.1                        | 1450                      |                |      |
|                           |                 | 127                     |                           |                 | 143                     |                           |                 | 169                     | 6.4                        | 1150                      |                |      |
|                           |                 | 106                     |                           |                 | 120                     |                           |                 | 141                     | 5.3                        | 960                       |                |      |
| 190                       | 204.300         | 169                     | 220                       | 203.529         | 197                     | 265                       | 213.600         | 226                     | 8.7                        | 1740                      | 200            | D20  |
|                           |                 | 141                     |                           |                 | 164                     |                           |                 | 188                     | 7.3                        | 1450                      |                |      |
|                           |                 | 112                     |                           |                 | 130                     |                           |                 | 149                     | 5.8                        | 1150                      |                |      |
|                           |                 | 93                      |                           |                 | 109                     |                           |                 | 125                     | 4.8                        | 960                       |                |      |
| 190                       | 224.730         | 154                     | 220                       | 234.841         | 171                     | 265                       | 234.960         | 205                     | 7.8                        | 1740                      | 224            | D22  |
|                           |                 | 128                     |                           |                 | 142                     |                           |                 | 171                     | 6.5                        | 1450                      |                |      |
|                           |                 | 102                     |                           |                 | 113                     |                           |                 | 136                     | 5.1                        | 1150                      |                |      |
|                           |                 | 85                      |                           |                 | 94                      |                           |                 | 113                     | 4.3                        | 960                       |                |      |
| 190                       | 259.304         | 134                     | 220                       | 254.411         | 158                     | 265                       | 271.108         | 178                     | 7.0                        | 1740                      | 250            | D25  |
|                           |                 | 111                     |                           |                 | 131                     |                           |                 | 148                     | 5.8                        | 1450                      |                |      |
|                           |                 | 88                      |                           |                 | 104                     |                           |                 | 118                     | 4.6                        | 1150                      |                |      |
|                           |                 | 74                      |                           |                 | 87                      |                           |                 | 98                      | 3.8                        | 960                       |                |      |
| 190                       | 280.912         | 123                     | 220                       | 286.791         | 140                     | 265                       | 293.700         | 164                     | 6.2                        | 1740                      | 280            | D28  |
|                           |                 | 103                     |                           |                 | 116                     |                           |                 | 137                     | 5.2                        | 1450                      |                |      |
|                           |                 | 81                      |                           |                 | 92                      |                           |                 | 109                     | 4.1                        | 1150                      |                |      |
|                           |                 | 68                      |                           |                 | 77                      |                           |                 | 91                      | 3.4                        | 960                       |                |      |
| 190                       | 316.665         | 109                     | 220                       | 328.936         | 122                     | 265                       | 331.080         | 146                     | 5.5                        | 1740                      | 315            | D32  |
|                           |                 | 91                      |                           |                 | 102                     |                           |                 | 122                     | 4.6                        | 1450                      |                |      |
|                           |                 | 72                      |                           |                 | 81                      |                           |                 | 96                      | 3.7                        | 1150                      |                |      |
|                           |                 | 60                      |                           |                 | 67                      |                           |                 | 80                      | 3.0                        | 960                       |                |      |
| 190                       | 363.200         | 95                      | 220                       | 358.488         | 112                     | 265                       | 379.733         | 127                     | 4.9                        | 1740                      | 355            | D36  |
|                           |                 | 79                      |                           |                 | 93                      |                           |                 | 106                     | 4.1                        | 1450                      |                |      |
|                           |                 | 63                      |                           |                 | 74                      |                           |                 | 84                      | 3.2                        | 1150                      |                |      |
|                           |                 | 53                      |                           |                 | 62                      |                           |                 | 70                      | 2.7                        | 960                       |                |      |
| 190                       | 395.831         | 87                      |                           |                 |                         | 265                       | 413.850         | 117                     | 4.4                        | 1740                      | 400            | D40  |
|                           |                 | 73                      |                           |                 |                         |                           |                 | 97                      | 3.6                        | 1450                      |                |      |
|                           |                 | 58                      |                           |                 |                         |                           |                 | 77                      | 2.9                        | 1150                      |                |      |
|                           |                 | 48                      |                           |                 |                         |                           |                 | 64                      | 2.4                        | 960                       |                |      |

B4 (iN=90-400)

| Code | $i_N$ | $n_1$<br>(r/min) | $n_{2N}$<br>(r/min) | B419               |          |                  | B420               |          |                  | B421               |          |                  | B422               |          |                  |
|------|-------|------------------|---------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|--------------------|----------|------------------|
|      |       |                  |                     | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) | $T_{2N}$<br>(kN·m) | $i_{ex}$ | $P_{1N}$<br>(kW) |
| C90  | 90    | 1740             | 19.3                |                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 1450             | 16.1                |                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 1150             | 12.8                |                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  |
|      |       | 960              | 10.7                |                    |          |                  |                    |          |                  |                    |          |                  |                    |          |                  |
| D10  | 100   | 1740             | 17.4                | 330                | 96.552   | 623*             | 380                | 96.402   | 718*             | 460                | 96.644   | 867*             | 520                | 94.100   | 1007*            |
|      |       | 1450             | 14.5                |                    |          | 519              |                    |          | 598              |                    |          | 723              |                    |          | 839              |
|      |       | 1150             | 11.5                |                    |          | 412              |                    |          | 475              |                    |          | 573              |                    |          | 665              |
|      |       | 960              | 9.6                 |                    |          | 344              |                    |          | 396              |                    |          | 478              |                    |          | 555              |
| D11  | 112   | 1740             | 15.5                | 330                | 111.250  | 540*             | 380                | 109.256  | 634*             | 460                | 107.981  | 776*             | 520                | 106.647  | 888*             |
|      |       | 1450             | 12.9                |                    |          | 450              |                    |          | 528              |                    |          | 647              |                    |          | 740              |
|      |       | 1150             | 10.3                |                    |          | 357              |                    |          | 419              |                    |          | 513              |                    |          | 587              |
|      |       | 960              | 8.6                 |                    |          | 298              |                    |          | 350              |                    |          | 428              |                    |          | 490              |
| D13  | 125   | 1740             | 13.9                | 330                | 125.409  | 479*             | 380                | 125.888  | 550*             | 460                | 121.724  | 689*             | 520                | 119.158  | 795*             |
|      |       | 1450             | 11.6                |                    |          | 400              |                    |          | 458              |                    |          | 574              |                    |          | 663              |
|      |       | 1150             | 9.2                 |                    |          | 317              |                    |          | 363              |                    |          | 455              |                    |          | 526              |
|      |       | 960              | 7.7                 |                    |          | 265              |                    |          | 303              |                    |          | 380              |                    |          | 439              |
| D14  | 140   | 1740             | 12.4                | 330                | 145.211  | 414*             | 380                | 141.910  | 488*             | 460                | 140.944  | 595*             | 520                | 134.324  | 705*             |
|      |       | 1450             | 10.4                |                    |          | 345              |                    |          | 407              |                    |          | 496              |                    |          | 588              |
|      |       | 1150             | 8.2                 |                    |          | 274              |                    |          | 322              |                    |          | 393              |                    |          | 466              |
|      |       | 960              | 6.9                 |                    |          | 228              |                    |          | 269              |                    |          | 328              |                    |          | 389              |
| D16  | 160   | 1740             | 10.9                | 330                | 157.059  | 383*             | 380                | 164.317  | 421*             | 460                | 152.444  | 550*             | 520                | 155.533  | 609*             |
|      |       | 1450             | 9.1                 |                    |          | 319              |                    |          | 351              |                    |          | 458              |                    |          | 508              |
|      |       | 1150             | 7.2                 |                    |          | 253              |                    |          | 278              |                    |          | 363              |                    |          | 403              |
|      |       | 960              | 6.0                 |                    |          | 211              |                    |          | 232              |                    |          | 303              |                    |          | 336              |
| D18  | 180   | 1740             | 9.7                 | 330                | 178.000  | 338*             | 380                | 177.724  | 390*             | 460                | 172.770  | 485*             | 520                | 168.223  | 563*             |
|      |       | 1450             | 8.1                 |                    |          | 281              |                    |          | 325              |                    |          | 404              |                    |          | 469              |
|      |       | 1150             | 6.4                 |                    |          | 223              |                    |          | 257              |                    |          | 321              |                    |          | 372              |
|      |       | 960              | 5.3                 |                    |          | 186              |                    |          | 215              |                    |          | 268              |                    |          | 311              |
| D20  | 200   | 1740             | 8.7                 | 330                | 195.800  | 307*             | 380                | 201.421  | 344*             | 460                | 190.047  | 441*             | 520                | 190.653  | 497*             |
|      |       | 1450             | 7.3                 |                    |          | 256              |                    |          | 286              |                    |          | 368              |                    |          | 414              |
|      |       | 1150             | 5.8                 |                    |          | 203              |                    |          | 227              |                    |          | 291              |                    |          | 328              |
|      |       | 960              | 4.8                 |                    |          | 169              |                    |          | 190              |                    |          | 243              |                    |          | 274              |
| D22  | 224   | 1740             | 7.8                 | 330                | 225.923  | 266*             | 380                | 221.563  | 312*             | 460                | 219.285  | 382*             | 520                | 209.718  | 452*             |
|      |       | 1450             | 6.5                 |                    |          | 222              |                    |          | 260              |                    |          | 319              |                    |          | 376              |
|      |       | 1150             | 5.1                 |                    |          | 176              |                    |          | 207              |                    |          | 253              |                    |          | 299              |
|      |       | 960              | 4.3                 |                    |          | 147              |                    |          | 172              |                    |          | 211              |                    |          | 249              |
| D25  | 250   | 1740             | 7.0                 | 330                | 244.750  | 246*             | 380                | 255.650  | 271*             | 460                | 237.558  | 353*             | 520                | 241.982  | 392*             |
|      |       | 1450             | 5.8                 |                    |          | 205              |                    |          | 226              |                    |          | 294              |                    |          | 326              |
|      |       | 1150             | 4.6                 |                    |          | 162              |                    |          | 179              |                    |          | 233              |                    |          | 259              |
|      |       | 960              | 3.8                 |                    |          | 136              |                    |          | 149              |                    |          | 195              |                    |          | 216              |
| D28  | 280   | 1740             | 6.2                 | 330                | 275.900  | 218*             | 380                | 276.954  | 250*             | 460                | 267.793  | 313*             | 520                | 262.148  | 361*             |
|      |       | 1450             | 5.2                 |                    |          | 182              |                    |          | 208              |                    |          | 261              |                    |          | 301              |
|      |       | 1150             | 4.1                 |                    |          | 144              |                    |          | 165              |                    |          | 207              |                    |          | 239              |
|      |       | 960              | 3.4                 |                    |          | 120              |                    |          | 138              |                    |          | 173              |                    |          | 199              |
| D32  | 315   | 1740             | 5.5                 | 330                | 316.444  | 190*             | 380                | 312.203  | 222*             | 460                | 307.146  | 273*             | 520                | 295.512  | 321*             |
|      |       | 1450             | 4.6                 |                    |          | 158              |                    |          | 185              |                    |          | 227              |                    |          | 267              |
|      |       | 1150             | 3.7                 |                    |          | 126              |                    |          | 147              |                    |          | 180              |                    |          | 212              |
|      |       | 960              | 3.0                 |                    |          | 105              |                    |          | 122              |                    |          | 151              |                    |          | 177              |
| D36  | 355   | 1740             | 4.9                 | 330                | 344.875  | 174*             | 380                | 358.082  | 193*             | 460                | 334.741  | 250*             | 520                | 338.938  | 280*             |
|      |       | 1450             | 4.1                 |                    |          | 145              |                    |          | 161              |                    |          | 209              |                    |          | 233              |
|      |       | 1150             | 3.2                 |                    |          | 115              |                    |          | 128              |                    |          | 165              |                    |          | 185              |
|      |       | 960              | 2.7                 |                    |          | 96               |                    |          | 107              |                    |          | 138              |                    |          | 154              |
| D40  | 400   | 1740             | 4.4                 |                    |          |                  | 380                | 390.253  | 177*             | 460                | 377.934  | 222*             | 520                | 369.390  | 256*             |
|      |       | 1450             | 3.6                 |                    |          |                  |                    |          | 148              |                    |          | 185              |                    |          | 214              |
|      |       | 1150             | 2.9                 |                    |          |                  |                    |          | 117              |                    |          | 147              |                    |          | 170              |
|      |       | 960              | 2.4                 |                    |          |                  |                    |          | 98               |                    |          | 122              |                    |          | 142              |

卧式安装齿轮箱  
应采用强制润滑。

\* 敬请垂询

Forced lubrication required  
on horizontal gearbox.

\* On request.

| B423                      |                 |                         | B424                      |                 |                         | B425                      |                 |                         | B426                      |                 |                         | n <sub>2N</sub><br>(r/min) | n <sub>1</sub><br>(r/min) | i <sub>N</sub> | Code |
|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|---------------------------|-----------------|-------------------------|----------------------------|---------------------------|----------------|------|
| T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) | T <sub>2N</sub><br>(kN·m) | i <sub>ex</sub> | P <sub>1N</sub><br>(kW) |                            |                           |                |      |
| 640                       | 83.212          | *                       |                           |                 |                         | 860                       | 87.435          | 1493                    | 1030                      | 87.619          | 1785                    | 19.3                       | 1740                      | 90             | C90  |
|                           |                 | 1168                    |                           |                 |                         |                           |                 |                         |                           |                 |                         | 16.1                       | 1450                      |                |      |
|                           |                 | 926                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 12.8                       | 1150                      |                |      |
|                           |                 | 773                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 10.7                       | 960                       |                |      |
| 640                       | 94.307          | *                       | 725                       | 94.307          | 1167                    | 860                       | 102.397         | 1275                    | 1030                      | 102.612         | 1524                    | 17.4                       | 1740                      | 100            | D10  |
|                           |                 | 1030                    |                           |                 |                         |                           |                 |                         |                           |                 |                         | 14.5                       | 1450                      |                |      |
|                           |                 | 817                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 11.5                       | 1150                      |                |      |
|                           |                 | 682                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 9.6                        | 960                       |                |      |
| 640                       | 105.370         | *                       | 725                       | 106.881         | 1030                    | 860                       | 110.184         | 1185                    | 1030                      | 110.416         | 1416                    | 15.5                       | 1740                      | 112            | D11  |
|                           |                 | 922                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 12.9                       | 1450                      |                |      |
|                           |                 | 731                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 10.3                       | 1150                      |                |      |
|                           |                 | 611                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 8.6                        | 960                       |                |      |
| 640                       | 118.781         | *                       | 725                       | 119.420         | 922                     | 860                       | 124.207         | 1051                    | 1030                      | 124.469         | 1256                    | 13.9                       | 1740                      | 125            | D13  |
|                           |                 | 818                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 11.6                       | 1450                      |                |      |
|                           |                 | 649                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 9.2                        | 1150                      |                |      |
|                           |                 | 542                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 7.7                        | 960                       |                |      |
| 640                       | 137.536         | *                       | 725                       | 134.619         | 818                     | 860                       | 143.819         | 908                     | 1030                      | 144.122         | 1085                    | 12.4                       | 1740                      | 140            | D14  |
|                           |                 | 707                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 10.4                       | 1450                      |                |      |
|                           |                 | 560                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 8.2                        | 1150                      |                |      |
|                           |                 | 468                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 6.9                        | 960                       |                |      |
| 640                       | 148.758         | *                       | 725                       | 155.874         | 706                     | 860                       | 155.554         | 839                     | 1030                      | 155.881         | 1003                    | 10.9                       | 1740                      | 160            | D16  |
|                           |                 | 653                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 9.1                        | 1450                      |                |      |
|                           |                 | 518                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 7.2                        | 1150                      |                |      |
|                           |                 | 432                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 6.0                        | 960                       |                |      |
| 640                       | 168.593         | 692                     | 725                       | 168.593         | 653                     | 860                       | 182.171         | 717                     | 1030                      | 182.554         | 857                     | 10.9                       | 1740                      | 180            | D18  |
|                           |                 | 576                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 8.1                        | 1450                      |                |      |
|                           |                 | 457                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 6.4                        | 1150                      |                |      |
|                           |                 | 382                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 5.3                        | 960                       |                |      |
| 640                       | 185.452         | 629                     | 725                       | 191.072         | 691                     | 860                       | 193.924         | 808                     | 1030                      | 194.332         | 966                     | 8.7                        | 1740                      | 200            | D20  |
|                           |                 | 524                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 7.3                        | 1450                      |                |      |
|                           |                 | 416                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 5.8                        | 1150                      |                |      |
|                           |                 | 347                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 4.8                        | 960                       |                |      |
| 640                       | 213.983         | 545                     | 725                       | 210.179         | 628                     | 860                       | 223.758         | 700                     | 1030                      | 224.229         | 837                     | 7.8                        | 1740                      | 224            | D22  |
|                           |                 | 454                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 6.5                        | 1450                      |                |      |
|                           |                 | 360                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 5.1                        | 1150                      |                |      |
|                           |                 | 301                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 4.3                        | 960                       |                |      |
| 640                       | 231.815         | 503                     | 725                       | 242.514         | 545                     | 860                       | 242.404         | 646                     | 1030                      | 242.915         | 773                     | 7.0                        | 1740                      | 250            | D25  |
|                           |                 | 419                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 5.8                        | 1450                      |                |      |
|                           |                 | 332                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 4.6                        | 1150                      |                |      |
|                           |                 | 278                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 3.8                        | 960                       |                |      |
| 640                       | 261.319         | 446                     | 725                       | 262.724         | 503                     | 860                       | 273.256         | 573                     | 1030                      | 273.831         | 685                     | 6.2                        | 1740                      | 280            | D28  |
|                           |                 | 372                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 5.2                        | 1450                      |                |      |
|                           |                 | 295                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 4.1                        | 1150                      |                |      |
|                           |                 | 246                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 3.4                        | 960                       |                |      |
| 640                       | 299.720         | 389                     | 725                       | 296.161         | 446                     | 860                       | 313.412         | 500                     | 1030                      | 314.072         | 598                     | 5.5                        | 1740                      | 315            | D32  |
|                           |                 | 324                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 4.6                        | 1450                      |                |      |
|                           |                 | 257                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 3.7                        | 1150                      |                |      |
|                           |                 | 215                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 3.0                        | 960                       |                |      |
| 640                       | 326.648         | 357                     | 725                       | 339.683         | 389                     | 860                       | 341.570         | 459                     | 1030                      | 342.289         | 548                     | 4.9                        | 1740                      | 355            | D36  |
|                           |                 | 297                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 4.1                        | 1450                      |                |      |
|                           |                 | 236                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 3.2                        | 1150                      |                |      |
|                           |                 | 197                     |                           |                 |                         |                           |                 |                         |                           |                 |                         | 2.7                        | 960                       |                |      |
|                           |                 |                         | 725                       | 370.202         | 357                     |                           |                 |                         |                           |                 |                         | 4.4                        | 1740                      | 400            | D40  |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 3.6                        | 1450                      |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 2.9                        | 1150                      |                |      |
|                           |                 |                         |                           |                 |                         |                           |                 |                         |                           |                 |                         | 2.4                        | 960                       |                |      |

 卧式安装齿轮箱  
应采用强制润滑。  
 敬请垂询

 Forced lubrication required  
on horizontal gearbox.  
 On request.

## 8 额定热容量(kW)

H2 (kW)

## 8 Rated thermal capacity(kW)

H2 (kW)

| Code | i N  |                 | H204   |        |        |       | H205 |      |      |      | H206 |      |      |      | H207 |      |      |      |
|------|------|-----------------|--------|--------|--------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
|      |      |                 | 960    | 1150   | 1450   | 1740  | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |
| B18  | 1.8  | P <sub>GA</sub> | 69     | 63     | 61.5   | 52.5  |      |      |      |      |      |      |      |      |      |      |      |      |
|      |      | P <sub>GB</sub> | 159    | 168    | 198    | 216   |      |      |      |      |      |      |      |      |      |      |      |      |
|      |      | P <sub>GC</sub> | 144    | 151.5  | 175.5  | 189   |      |      |      |      |      |      |      |      |      |      |      |      |
|      |      | P <sub>GD</sub> | 243    | 264    | 315    | 354   |      |      |      |      |      |      |      |      |      |      |      |      |
| B20  | 2    | P <sub>GA</sub> | 72     | 66.8   | 66.6   | 57    |      |      |      |      | 89   | 60   | 52   | *    |      |      |      |      |
|      |      | P <sub>GB</sub> | 163.5  | 174    | 205.5  | 225   |      |      |      |      | 190  | 191  | 223  | 222  |      |      |      |      |
|      |      | P <sub>GC</sub> | 145.3  | 153    | 177    | 190.7 |      |      |      |      | 198  | 204  | 233  | 232  |      |      |      |      |
|      |      | P <sub>GD</sub> | 247.5  | 270    | 321    | 360   |      |      |      |      | 334  | 348  | 422  | 440  |      |      |      |      |
| B22  | 2.24 | P <sub>GA</sub> | 69     | 64.5   | 66     | 58.5  |      |      |      |      | 77   | 63   | 58   | *    |      |      |      |      |
|      |      | P <sub>GB</sub> | 156    | 166.5  | 198    | 217.5 |      |      |      |      | 193  | 197  | 231  | 232  |      |      |      |      |
|      |      | P <sub>GC</sub> | 138    | 145.5  | 168    | 183   |      |      |      |      | 197  | 204  | 232  | 236  |      |      |      |      |
|      |      | P <sub>GD</sub> | 232.5  | 255    | 303    | 342   |      |      |      |      | 334  | 359  | 422  | 445  |      |      |      |      |
| B25  | 2.5  | P <sub>GA</sub> | 67.5   | 64.5   | 67.5   | 61.5  |      |      |      |      | 76   | 65   | 60   | *    |      |      |      |      |
|      |      | P <sub>GB</sub> | 151.5  | 163.5  | 193.5  | 214.5 |      |      |      |      | 188  | 195  | 229  | 245  |      |      |      |      |
|      |      | P <sub>GC</sub> | 130.5  | 139.5  | 162    | 175.5 |      |      |      |      | 189  | 196  | 227  | 241  |      |      |      |      |
|      |      | P <sub>GD</sub> | 225    | 246    | 294    | 331.5 |      |      |      |      | 319  | 346  | 409  | 454  |      |      |      |      |
| B28  | 2.8  | P <sub>GA</sub> | 64.5   | 63     | 66     | 61.5  |      |      |      |      | 79   | 71   | 70   | *    |      |      |      |      |
|      |      | P <sub>GB</sub> | 143.55 | 154.5  | 184.5  | 204   |      |      |      |      | 191  | 200  | 238  | 257  |      |      |      |      |
|      |      | P <sub>GC</sub> | 123    | 129    | 151.5  | 165   |      |      |      |      | 190  | 198  | 228  | 246  |      |      |      |      |
|      |      | P <sub>GD</sub> | 208.5  | 229.5  | 273    | 310.5 |      |      |      |      | 319  | 346  | 413  | 461  |      |      |      |      |
| B32  | 3.15 | P <sub>GA</sub> | 63     | 61.5   | 64.5   | 61.5  |      |      |      |      | 79   | 73   | 72   | *    |      |      |      |      |
|      |      | P <sub>GB</sub> | 137.55 | 150    | 177    | 198   |      |      |      |      | 187  | 200  | 235  | 256  |      |      |      |      |
|      |      | P <sub>GC</sub> | 117    | 123    | 144    | 156   |      |      |      |      | 181  | 190  | 221  | 237  |      |      |      |      |
|      |      | P <sub>GD</sub> | 198    | 217.5  | 261    | 295.5 |      |      |      |      | 306  | 334  | 397  | 446  |      |      |      |      |
| B36  | 3.55 | P <sub>GA</sub> | 61.5   | 60     | 63     | 61.5  |      |      |      |      | 78   | 74   | 73   | *    |      |      |      |      |
|      |      | P <sub>GB</sub> | 131.4  | 143.7  | 169.5  | 190.2 |      |      |      |      | 181  | 194  | 229  | 252  |      |      |      |      |
|      |      | P <sub>GC</sub> | 112.5  | 120    | 139.3  | 151.5 |      |      |      |      | 173  | 182  | 213  | 229  |      |      |      |      |
|      |      | P <sub>GD</sub> | 189    | 208.5  | 249    | 283.1 |      |      |      |      | 294  | 322  | 383  | 431  |      |      |      |      |
| B40  | 4    | P <sub>GA</sub> | 58.5   | 57     | 60.6   | 60.7  |      |      |      |      | 73   | 71   | 72   | *    |      |      |      |      |
|      |      | P <sub>GB</sub> | 124.4  | 136.35 | 162    | 180   |      |      |      |      | 170  | 184  | 217  | 240  |      |      |      |      |
|      |      | P <sub>GC</sub> | 105    | 112.5  | 129    | 141   |      |      |      |      | 158  | 168  | 196  | 212  |      |      |      |      |
|      |      | P <sub>GD</sub> | 177    | 195    | 232.5  | 265.2 |      |      |      |      | 271  | 298  | 354  | 400  |      |      |      |      |
| B45  | 4.5  | P <sub>GA</sub> | 54     | 52.5   | 55.7   | 55.1  |      |      |      |      | 71   | 68   | 71   | *    |      |      |      |      |
|      |      | P <sub>GB</sub> | 113.55 | 124.65 | 148.35 | 165   |      |      |      |      | 162  | 176  | 208  | 232  |      |      |      |      |
|      |      | P <sub>GC</sub> | 94.5   | 100.5  | 117    | 129   |      |      |      |      | 150  | 160  | 185  | 200  |      |      |      |      |
|      |      | P <sub>GD</sub> | 160.5  | 177    | 211.5  | 240   |      |      |      |      | 256  | 281  | 335  | 379  |      |      |      |      |
| B50  | 5    | P <sub>GA</sub> | 51.1   | 51.2   | 54.2   | 54.7  |      |      |      |      | 71   | 68   | 71   | *    |      |      |      |      |
|      |      | P <sub>GB</sub> | 108.15 | 118.95 | 141.6  | 157.1 |      |      |      |      | 157  | 172  | 203  | 225  |      |      |      |      |
|      |      | P <sub>GC</sub> | 88.5   | 94.5   | 111    | 121.5 |      |      |      |      | 148  | 157  | 184  | 199  |      |      |      |      |
|      |      | P <sub>GD</sub> | 150    | 166.5  | 198    | 226.7 |      |      |      |      | 250  | 275  | 327  | 372  |      |      |      |      |
| B56  | 5.6  | P <sub>GA</sub> | 49.5   | 51     | 54     | 53.8  |      |      |      |      | 67   | 66   | 68   | *    |      |      |      |      |
|      |      | P <sub>GB</sub> | 105.3  | 116.1  | 138.2  | 154.5 |      |      |      |      | 149  | 163  | 195  | 216  |      |      |      |      |
|      |      | P <sub>GC</sub> | 85.5   | 91.5   | 108    | 117   |      |      |      |      | 137  | 146  | 170  | 185  |      |      |      |      |
|      |      | P <sub>GD</sub> | 146.1  | 160.5  | 192    | 219   |      |      |      |      | 233  | 257  | 306  | 348  |      |      |      |      |

\* 敬请垂询

\* On request.

| H208 |      |      |      | H209 |      |      |      | H210 |      |      |      | H211 |      |      |      | H212 |      |      |      |                 | i N   | Code |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|-------|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |                 |       |      |
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | P <sub>GA</sub> | 1. 8  | B18  |
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | P <sub>GB</sub> |       |      |
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | P <sub>GC</sub> |       |      |
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | P <sub>GD</sub> |       |      |
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | P <sub>GA</sub> | 2     | B20  |
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | P <sub>GB</sub> |       |      |
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | P <sub>GC</sub> |       |      |
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | P <sub>GD</sub> |       |      |
| 108  | 77   | *    | *    | 93   | *    | *    | *    |      |      |      |      | 107  | *    | *    | *    |      |      |      |      | P <sub>GA</sub> | 2. 24 | B22  |
| 315  | 309  | 357  | 347  | 476  | 485  | 567  | 597  |      |      |      |      | 581  | 493  | 552  | 472  |      |      |      |      | P <sub>GB</sub> |       |      |
| 353  | 355  | 408  | 413  | 564  | 581  | 669  | 707  |      |      |      |      | 719  | 686  | 770  | 756  |      |      |      |      | P <sub>GC</sub> |       |      |
| 597  | 635  | 748  | 803  | 938  | 1008 | 1194 | 1318 |      |      |      |      | 1227 | 1246 | 1450 | 1489 |      |      |      |      | P <sub>GD</sub> |       |      |
| 107  | 79   | *    | *    | 95   | *    | *    | *    |      |      |      |      | 109  | *    | *    | *    |      |      |      |      | P <sub>GA</sub> | 2. 5  | B25  |
| 305  | 301  | 352  | 354  | 459  | 476  | 560  | 599  |      |      |      |      | 586  | 516  | 584  | 526  |      |      |      |      | P <sub>GB</sub> |       |      |
| 331  | 336  | 387  | 401  | 529  | 550  | 634  | 676  |      |      |      |      | 699  | 677  | 764  | 761  |      |      |      |      | P <sub>GC</sub> |       |      |
| 564  | 602  | 712  | 776  | 884  | 956  | 1134 | 1260 |      |      |      |      | 1201 | 1233 | 1441 | 1500 |      |      |      |      | P <sub>GD</sub> |       |      |
| 106  | 83   | *    | *    | 96   | *    | *    | *    |      |      |      |      | 116  | *    | *    | *    |      |      |      |      | P <sub>GA</sub> | 2. 8  | B28  |
| 296  | 297  | 348  | 362  | 436  | 459  | 541  | 583  |      |      |      |      | 579  | 529  | 605  | 569  |      |      |      |      | P <sub>GB</sub> |       |      |
| 315  | 321  | 370  | 389  | 494  | 516  | 599  | 641  |      |      |      |      | 667  | 655  | 743  | 751  |      |      |      |      | P <sub>GC</sub> |       |      |
| 539  | 577  | 683  | 750  | 828  | 900  | 1068 | 1194 |      |      |      |      | 1155 | 1198 | 1404 | 1482 |      |      |      |      | P <sub>GD</sub> |       |      |
| 107  | 91   | *    | *    | 97   | *    | *    | *    |      |      |      |      | 125  | *    | *    | *    |      |      |      |      | P <sub>GA</sub> | 3. 15 | B32  |
| 287  | 295  | 347  | 369  | 427  | 452  | 534  | 581  |      |      |      |      | 564  | 541  | 624  | 620  |      |      |      |      | P <sub>GB</sub> |       |      |
| 296  | 307  | 355  | 377  | 480  | 501  | 581  | 627  |      |      |      |      | 618  | 620  | 708  | 730  |      |      |      |      | P <sub>GC</sub> |       |      |
| 510  | 551  | 653  | 723  | 796  | 868  | 1031 | 1157 |      |      |      |      | 1075 | 1133 | 1333 | 1436 |      |      |      |      | P <sub>GD</sub> |       |      |
| 107  | 95   | *    | *    | 98   | *    | *    | *    |      |      |      |      | 179  | *    | *    | *    | 141  | *    | *    | *    | P <sub>GA</sub> | 3. 55 | B36  |
| 280  | 292  | 344  | 370  | 413  | 441  | 522  | 571  |      |      |      |      | 547  | 542  | 631  | 646  | 556  | 467  | 522  | 465  | P <sub>GB</sub> |       |      |
| 282  | 295  | 340  | 364  | 452  | 474  | 550  | 593  |      |      |      |      | 582  | 591  | 679  | 710  | 800  | 761  | 853  | 797  | P <sub>GC</sub> |       |      |
| 486  | 528  | 627  | 699  | 756  | 826  | 984  | 1106 |      |      |      |      | 1014 | 1078 | 1273 | 1389 | 1314 | 1329 | 1549 | 1517 | P <sub>GD</sub> |       |      |
| 106  | 96   | *    | *    | 99   | *    | *    | *    |      |      |      |      | 130  | *    | *    | *    | 148  | *    | *    | *    | P <sub>GA</sub> | 4     | B40  |
| 270  | 285  | 336  | 365  | 387  | 415  | 492  | 541  |      |      |      |      | 555  | 561  | 657  | 688  | 550  | 478  | 541  | 480  | P <sub>GB</sub> |       |      |
| 266  | 280  | 324  | 348  | 413  | 438  | 508  | 550  |      |      |      |      | 578  | 593  | 684  | 720  | 764  | 737  | 831  | 824  | P <sub>GC</sub> |       |      |
| 462  | 504  | 599  | 672  | 695  | 761  | 907  | 1022 |      |      |      |      | 1011 | 1085 | 1284 | 1413 | 1264 | 1293 | 1509 | 1565 | P <sub>GD</sub> |       |      |
| 102  | 95   | *    | *    | 100  | *    | *    | *    |      |      |      |      | 115  | *    | *    | *    | 167  | *    | *    | *    | P <sub>GA</sub> | 4. 5  | B45  |
| 258  | 275  | 325  | 355  | 364  | 394  | 466  | 516  |      |      |      |      | 548  | 562  | 660  | 700  | 562  | 521  | 597  | 572  | P <sub>GB</sub> |       |      |
| 252  | 265  | 307  | 331  | 387  | 410  | 474  | 515  |      |      |      |      | 566  | 586  | 676  | 717  | 744  | 737  | 836  | 851  | P <sub>GC</sub> |       |      |
| 436  | 476  | 567  | 638  | 649  | 712  | 851  | 963  |      |      |      |      | 988  | 1064 | 1262 | 1397 | 1241 | 1293 | 1517 | 1614 | P <sub>GD</sub> |       |      |
| 105  | 98   | *    | *    | 101  | *    | *    | *    |      |      |      |      | 120  | *    | *    | *    | 177  | *    | *    | *    | P <sub>GA</sub> | 5     | B50  |
| 261  | 280  | 331  | 364  | 350  | 380  | 450  | 499  |      |      |      |      | 520  | 542  | 637  | 684  | 557  | 538  | 623  | 623  | P <sub>GB</sub> |       |      |
| 249  | 265  | 306  | 331  | 369  | 392  | 457  | 495  |      |      |      |      | 525  | 546  | 631  | 673  | 710  | 713  | 814  | 842  | P <sub>GC</sub> |       |      |
| 435  | 475  | 566  | 639  | 621  | 683  | 814  | 922  |      |      |      |      | 917  | 993  | 1179 | 1313 | 1194 | 1260 | 1485 | 1604 | P <sub>GD</sub> |       |      |
| 103  | 100  | *    | *    | 103  | *    | *    | *    |      |      |      |      | 122  | *    | *    | *    | 179  | *    | *    | *    | P <sub>GA</sub> | 5. 6  | B56  |
| 253  | 272  | 324  | 357  | 324  | 352  | 418  | 464  |      |      |      |      | 486  | 512  | 605  | 654  | 535  | 530  | 618  | 634  | P <sub>GB</sub> |       |      |
| 244  | 258  | 300  | 325  | 333  | 354  | 410  | 446  |      |      |      |      | 479  | 501  | 579  | 622  | 653  | 664  | 762  | 797  | P <sub>GC</sub> |       |      |
| 423  | 464  | 552  | 625  | 560  | 616  | 735  | 833  |      |      |      |      | 839  | 911  | 1082 | 1211 | 1102 | 1173 | 1386 | 1513 | P <sub>GD</sub> |       |      |

H2 (kW)

H2 (kW)

| Code | i N  |                 | H204 |      |      |      | H205 |      |      |      | H206 |      |      |      | H207 |      |      |      |
|------|------|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|      |      |                 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |
| B63  | 6.3  | P <sub>GA</sub> | 46   | 42   | 41   | 35   | 57   | 46   | 41   | *    | 74   | 50   | 43   | *    | 77   | 57   | *    | *    |
|      |      | P <sub>GB</sub> | 106  | 112  | 132  | 144  | 143  | 146  | 172  | 181  | 158  | 159  | 186  | 185  | 221  | 220  | 256  | 263  |
|      |      | P <sub>GC</sub> | 96   | 101  | 117  | 126  | 152  | 157  | 181  | 191  | 165  | 170  | 194  | 193  | 244  | 249  | 286  | 298  |
|      |      | P <sub>GD</sub> | 162  | 176  | 210  | 236  | 256  | 276  | 327  | 361  | 278  | 290  | 352  | 367  | 417  | 445  | 525  | 574  |
| B71  | 7.1  | P <sub>GA</sub> | 48   | 44   | 44   | 38   | 59   | 50   | 46   | *    | 64   | 53   | 48   | *    | 76   | 60   | *    | *    |
|      |      | P <sub>GB</sub> | 109  | 116  | 137  | 150  | 146  | 151  | 177  | 189  | 161  | 164  | 193  | 194  | 214  | 215  | 252  | 262  |
|      |      | P <sub>GC</sub> | 97   | 102  | 118  | 127  | 151  | 157  | 181  | 193  | 164  | 170  | 194  | 197  | 230  | 235  | 270  | 284  |
|      |      | P <sub>GD</sub> | 165  | 180  | 214  | 240  | 256  | 276  | 327  | 363  | 278  | 299  | 352  | 371  | 394  | 422  | 499  | 548  |
| B80  | 8    | P <sub>GA</sub> | 46   | 43   | 44   | 39   | 58   | 51   | 48   | *    | 63   | 54   | 50   | *    | 76   | 62   | 55   | *    |
|      |      | P <sub>GB</sub> | 104  | 111  | 132  | 145  | 142  | 149  | 175  | 188  | 157  | 162  | 191  | 204  | 208  | 212  | 249  | 262  |
|      |      | P <sub>GC</sub> | 92   | 97   | 112  | 122  | 146  | 151  | 175  | 187  | 158  | 163  | 189  | 201  | 218  | 225  | 258  | 274  |
|      |      | P <sub>GD</sub> | 155  | 170  | 202  | 228  | 245  | 266  | 316  | 352  | 266  | 288  | 341  | 379  | 376  | 404  | 479  | 529  |
| B90  | 9    | P <sub>GA</sub> | 45   | 43   | 45   | 41   | 58   | 52   | 51   | 43   | 66   | 59   | 58   | 46   | 76   | 66   | 62   | *    |
|      |      | P <sub>GB</sub> | 101  | 109  | 129  | 143  | 139  | 147  | 174  | 189  | 159  | 167  | 198  | 214  | 202  | 210  | 248  | 266  |
|      |      | P <sub>GC</sub> | 87   | 93   | 108  | 117  | 139  | 146  | 169  | 182  | 158  | 165  | 190  | 205  | 207  | 215  | 249  | 266  |
|      |      | P <sub>GD</sub> | 150  | 164  | 196  | 221  | 234  | 255  | 303  | 340  | 266  | 289  | 344  | 384  | 357  | 386  | 458  | 510  |
| C10  | 10   | P <sub>GA</sub> | 43   | 42   | 44   | 41   | *    | 52   | 52   | 46   | 66   | 61   | 60   | 52   | 75   | 68   | 66   | 54   |
|      |      | P <sub>GB</sub> | 95.7 | 103  | 123  | 136  | 131  | 140  | 165  | 181  | 156  | 166  | 196  | 214  | 193  | 204  | 241  | 261  |
|      |      | P <sub>GC</sub> | 82   | 86   | 101  | 110  | 128  | 135  | 157  | 169  | 151  | 158  | 184  | 198  | 194  | 204  | 236  | 254  |
|      |      | P <sub>GD</sub> | 139  | 153  | 182  | 207  | 217  | 237  | 282  | 318  | 255  | 278  | 331  | 372  | 337  | 367  | 436  | 489  |
| C11  | 11.2 | P <sub>GA</sub> | 42   | 41   | 43   | 41   | 54   | 51   | 52   | 47   | 65   | 61   | 61   | 55   | 77   | 71   | 71   | 61   |
|      |      | P <sub>GB</sub> | 91.7 | 100  | 118  | 132  | 126  | 135  | 160  | 177  | 151  | 161  | 191  | 210  | 196  | 208  | 246  | 269  |
|      |      | P <sub>GC</sub> | 78   | 82   | 96   | 104  | 121  | 127  | 148  | 160  | 144  | 152  | 177  | 191  | 193  | 203  | 235  | 254  |
|      |      | P <sub>GD</sub> | 132  | 145  | 174  | 197  | 205  | 225  | 268  | 303  | 245  | 268  | 319  | 359  | 336  | 366  | 436  | 490  |
| C13  | 12.5 | P <sub>GA</sub> | 41   | 40   | 42   | 41   | 54   | 51   | 53   | 49   | 61   | 59   | 60   | 55   | 77   | 72   | 73   | 65   |
|      |      | P <sub>GB</sub> | 87.6 | 95.8 | 113  | 127  | 123  | 133  | 157  | 174  | 142  | 153  | 181  | 200  | 191  | 204  | 242  | 266  |
|      |      | P <sub>GC</sub> | 75   | 80   | 93   | 101  | 119  | 126  | 146  | 159  | 132  | 140  | 163  | 177  | 189  | 199  | 231  | 250  |
|      |      | P <sub>GD</sub> | 126  | 139  | 166  | 189  | 201  | 220  | 263  | 297  | 226  | 248  | 295  | 333  | 327  | 357  | 425  | 480  |
| C14  | 14   | P <sub>GA</sub> | 39   | 38   | 40   | 40   | 51   | 49   | 51   | 48   | 59   | 57   | 59   | 55   | 71   | 68   | 69   | 64   |
|      |      | P <sub>GB</sub> | 82.9 | 90.9 | 108  | 120  | 116  | 126  | 150  | 166  | 135  | 147  | 174  | 193  | 175  | 189  | 224  | 247  |
|      |      | P <sub>GC</sub> | 70   | 75   | 86   | 94   | 110  | 118  | 137  | 149  | 125  | 133  | 154  | 167  | 169  | 178  | 207  | 225  |
|      |      | P <sub>GD</sub> | 118  | 130  | 155  | 177  | 186  | 204  | 243  | 276  | 213  | 234  | 279  | 316  | 294  | 322  | 384  | 434  |
| C16  | 16   | P <sub>GA</sub> | 36   | 35   | 37   | 37   | 48   | 47   | 49   | 47   | 59   | 57   | 59   | 56   | 67   | 65   | 67   | 63   |
|      |      | P <sub>GB</sub> | 75.7 | 83.1 | 98.9 | 110  | 108  | 118  | 140  | 155  | 131  | 143  | 169  | 188  | 163  | 177  | 210  | 232  |
|      |      | P <sub>GC</sub> | 63   | 67   | 78   | 86   | 101  | 108  | 126  | 137  | 123  | 131  | 153  | 166  | 155  | 165  | 191  | 208  |
|      |      | P <sub>GD</sub> | 107  | 118  | 141  | 160  | 171  | 189  | 225  | 256  | 208  | 229  | 273  | 310  | 269  | 295  | 352  | 399  |
| C18  | 18   | P <sub>GA</sub> | 34   | 34   | 36   | 36   | 46   | 46   | 48   | 46   | 56   | 55   | 57   | 55   | 65   | 63   | 66   | 63   |
|      |      | P <sub>GB</sub> | 72.1 | 79.3 | 94.4 | 105  | 103  | 113  | 134  | 150  | 124  | 136  | 162  | 180  | 157  | 170  | 202  | 225  |
|      |      | P <sub>GC</sub> | 59   | 63   | 74   | 81   | 95   | 102  | 118  | 129  | 114  | 122  | 142  | 154  | 148  | 157  | 183  | 199  |
|      |      | P <sub>GD</sub> | 100  | 111  | 132  | 151  | 162  | 179  | 213  | 242  | 194  | 214  | 255  | 290  | 257  | 283  | 338  | 383  |
| C20  | 20   | P <sub>GA</sub> | 33   | 34   | 36   | 36   | 43   | 43   | 45   | 44   | 52   | 52   | 54   | 53   | 61   | 59   | 62   | 60   |
|      |      | P <sub>GB</sub> | 70.2 | 77.4 | 92.1 | 103  | 96.8 | 106  | 126  | 140  | 115  | 126  | 150  | 168  | 145  | 158  | 188  | 210  |
|      |      | P <sub>GC</sub> | 57   | 61   | 72   | 78   | 89   | 94   | 110  | 120  | 105  | 112  | 130  | 142  | 135  | 144  | 167  | 182  |
|      |      | P <sub>GD</sub> | 97.4 | 107  | 128  | 146  | 150  | 166  | 198  | 225  | 179  | 197  | 235  | 268  | 236  | 260  | 310  | 352  |
| C22  | 22.4 | P <sub>GA</sub> |      |      |      |      | 40   | 40   | 42   | 41   | 50   | 50   | 52   | 51   | 58   | 57   | 60   | 58   |
|      |      | P <sub>GB</sub> |      |      |      |      | 89.4 | 98   | 116  | 130  | 111  | 121  | 144  | 161  | 139  | 152  | 181  | 202  |
|      |      | P <sub>GC</sub> |      |      |      |      | 81   | 86   | 100  | 109  | 99   | 106  | 124  | 135  | 129  | 138  | 160  | 174  |
|      |      | P <sub>GD</sub> |      |      |      |      | 137  | 151  | 181  | 205  | 169  | 187  | 223  | 253  | 224  | 247  | 295  | 335  |

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| H208 |      |      |      | H209 |      |      |      | H210 |      |      |      | H211 |      |      |      | H212 |      |      |      |                 | i N   | Code |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|-------|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |                 |       |      |
| 86   | 61   | *    | *    | 99   | *    | *    | *    | 100  | *    | *    | *    | 114  | *    | *    | *    | 121  | *    | *    | *    | P <sub>GA</sub> | 6. 3  | B63  |
| 250  | 245  | 283  | 275  | 293  | 279  | 322  | 319  | 304  | 286  | 328  | 324  | 450  | 382  | 428  | 366  | 510  | 412  | 456  | 414  | P <sub>GB</sub> |       |      |
| 280  | 282  | 324  | 328  | 380  | 380  | 434  | 446  | 422  | 420  | 477  | 486  | 557  | 532  | 597  | 586  | 762  | 714  | 797  | 715  | P <sub>GC</sub> |       |      |
| 474  | 504  | 594  | 637  | 626  | 658  | 774  | 832  | 689  | 718  | 844  | 896  | 951  | 966  | 1124 | 1154 | 1243 | 1243 | 1443 | 1365 | P <sub>GD</sub> |       |      |
| 85   | 63   | *    | *    | 99   | *    | *    | *    | 101  | *    | *    | *    | 123  | *    | *    | *    | 131  | *    | *    | *    | P <sub>GA</sub> |       |      |
| 242  | 239  | 279  | 281  | 286  | 278  | 323  | 325  | 297  | 285  | 329  | 328  | 454  | 400  | 453  | 408  | 515  | 432  | 483  | 431  | P <sub>GB</sub> | 7. 1  | B71  |
| 263  | 267  | 307  | 318  | 358  | 361  | 413  | 429  | 397  | 398  | 454  | 470  | 542  | 525  | 592  | 590  | 741  | 705  | 790  | 738  | P <sub>GC</sub> |       |      |
| 448  | 478  | 565  | 616  | 589  | 624  | 735  | 797  | 648  | 681  | 802  | 866  | 931  | 956  | 1117 | 1163 | 1217 | 1231 | 1434 | 1405 | P <sub>GD</sub> |       |      |
| 84   | 66   | *    | *    | 100  | 75   | *    | *    | 102  | *    | *    | *    | 129  | *    | *    | *    | 137  | *    | *    | *    | P <sub>GA</sub> |       |      |
| 235  | 236  | 276  | 287  | 279  | 276  | 322  | 330  | 290  | 283  | 328  | 332  | 449  | 410  | 469  | 441  | 509  | 443  | 501  | 444  | P <sub>GB</sub> | 8     | B80  |
| 250  | 255  | 294  | 309  | 340  | 346  | 397  | 415  | 378  | 382  | 436  | 454  | 517  | 508  | 576  | 582  | 707  | 682  | 769  | 763  | P <sub>GC</sub> |       |      |
| 428  | 458  | 542  | 595  | 562  | 599  | 707  | 772  | 618  | 654  | 772  | 837  | 895  | 929  | 1088 | 1149 | 1170 | 1197 | 1397 | 1449 | P <sub>GD</sub> |       |      |
| 85   | 72   | 66   | *    | 102  | 83   | 73   | *    | 105  | 83   | *    | *    | 136  | *    | *    | *    | 155  | *    | *    | *    | P <sub>GA</sub> | 9     | B90  |
| 228  | 234  | 275  | 293  | 272  | 277  | 324  | 341  | 283  | 285  | 333  | 347  | 437  | 419  | 484  | 481  | 520  | 482  | 553  | 530  | P <sub>GB</sub> |       |      |
| 235  | 244  | 282  | 299  | 322  | 332  | 382  | 404  | 354  | 362  | 417  | 438  | 479  | 481  | 549  | 566  | 689  | 682  | 774  | 788  | P <sub>GC</sub> |       |      |
| 405  | 437  | 518  | 574  | 536  | 576  | 682  | 753  | 582  | 622  | 736  | 809  | 833  | 878  | 1033 | 1113 | 1149 | 1197 | 1405 | 1494 | P <sub>GD</sub> |       |      |
| 85   | 75   | 72   | 55   | 101  | 87   | 82   | *    | 106  | 88   | 81   | *    | 139  | 103  | *    | *    | 164  | *    | *    | *    | P <sub>GA</sub> |       |      |
| 222  | 232  | 273  | 294  | 262  | 272  | 320  | 342  | 278  | 285  | 335  | 355  | 424  | 420  | 489  | 501  | 516  | 498  | 577  | 577  | P <sub>GB</sub> | 10    | C10  |
| 224  | 234  | 270  | 289  | 302  | 314  | 362  | 386  | 338  | 349  | 402  | 427  | 451  | 458  | 526  | 550  | 657  | 660  | 754  | 780  | P <sub>GC</sub> |       |      |
| 386  | 419  | 498  | 555  | 505  | 546  | 648  | 720  | 556  | 599  | 710  | 787  | 786  | 836  | 987  | 1077 | 1106 | 1167 | 1375 | 1485 | P <sub>GD</sub> |       |      |
| 84   | 76   | 75   | 62   | 99   | 88   | 85   | 67   | 105  | 92   | 88   | *    | 147  | 117  | 101  | *    | 166  | 122  | *    | *    | P <sub>GA</sub> | 11. 2 | C11  |
| 214  | 226  | 267  | 290  | 249  | 262  | 309  | 333  | 270  | 281  | 331  | 355  | 430  | 435  | 509  | 533  | 495  | 491  | 572  | 587  | P <sub>GB</sub> |       |      |
| 211  | 222  | 257  | 276  | 282  | 295  | 342  | 366  | 318  | 331  | 383  | 410  | 448  | 460  | 530  | 558  | 605  | 615  | 706  | 738  | P <sub>GC</sub> |       |      |
| 367  | 400  | 475  | 533  | 473  | 514  | 610  | 682  | 528  | 572  | 679  | 756  | 784  | 841  | 995  | 1095 | 1020 | 1086 | 1283 | 1401 | P <sub>GD</sub> |       |      |
| 81   | 75   | 75   | 65   | 99   | 89   | 88   | 74   | 104  | 93   | 90   | 74   | 151  | 127  | 115  | *    | 165  | 131  | *    | *    | P <sub>GA</sub> |       |      |
| 205  | 218  | 258  | 282  | 244  | 258  | 305  | 332  | 259  | 273  | 322  | 348  | 425  | 436  | 512  | 543  | 475  | 480  | 562  | 587  | P <sub>GB</sub> | 12. 5 | C13  |
| 200  | 210  | 244  | 263  | 274  | 286  | 332  | 358  | 300  | 314  | 363  | 390  | 439  | 454  | 524  | 556  | 568  | 582  | 670  | 706  | P <sub>GC</sub> |       |      |
| 346  | 378  | 450  | 506  | 455  | 496  | 589  | 661  | 498  | 542  | 644  | 720  | 766  | 825  | 978  | 1083 | 960  | 1029 | 1218 | 1340 | P <sub>GD</sub> |       |      |
| 83   | 78   | 79   | 71   | 97   | 90   | 90   | 80   | 101  | 93   | 92   | 79   | 147  | 128  | 121  | *    | 172  | 144  | 130  | *    | P <sub>GA</sub> | 14    | C14  |
| 207  | 222  | 263  | 289  | 236  | 252  | 298  | 326  | 247  | 262  | 310  | 338  | 403  | 420  | 494  | 530  | 483  | 496  | 583  | 618  | P <sub>GB</sub> |       |      |
| 198  | 210  | 243  | 263  | 258  | 271  | 314  | 339  | 279  | 294  | 340  | 366  | 407  | 423  | 489  | 522  | 564  | 583  | 673  | 714  | P <sub>GC</sub> |       |      |
| 345  | 377  | 449  | 507  | 432  | 472  | 562  | 632  | 465  | 507  | 603  | 677  | 711  | 770  | 914  | 1018 | 958  | 1032 | 1223 | 1355 | P <sub>GD</sub> |       |      |
| 82   | 79   | 81   | 74   | 92   | 87   | 88   | 80   | 99   | 93   | 94   | 83   | 141  | 126  | 122  | 99   | 175  | 152  | 144  | *    | P <sub>GA</sub> |       |      |
| 201  | 216  | 257  | 283  | 221  | 237  | 281  | 309  | 240  | 256  | 303  | 333  | 377  | 397  | 469  | 507  | 476  | 496  | 583  | 625  | P <sub>GB</sub> | 16    | C16  |
| 194  | 205  | 238  | 258  | 236  | 250  | 290  | 314  | 271  | 286  | 331  | 358  | 371  | 388  | 449  | 482  | 550  | 573  | 662  | 706  | P <sub>GC</sub> |       |      |
| 336  | 368  | 438  | 496  | 397  | 435  | 518  | 584  | 449  | 491  | 584  | 658  | 650  | 706  | 839  | 939  | 932  | 1009 | 1197 | 1333 | P <sub>GD</sub> |       |      |
| 76   | 74   | 76   | 72   | 88   | 84   | 86   | 80   | 97   | 93   | 94   | 87   | 133  | 122  | 122  | 104  | 170  | 153  | 149  | 121  | P <sub>GA</sub> | 18    | C18  |
| 184  | 200  | 237  | 263  | 208  | 225  | 266  | 295  | 231  | 249  | 296  | 326  | 352  | 375  | 443  | 483  | 450  | 474  | 560  | 606  | P <sub>GB</sub> |       |      |
| 174  | 185  | 214  | 234  | 221  | 234  | 271  | 294  | 255  | 270  | 314  | 339  | 346  | 364  | 422  | 454  | 508  | 531  | 615  | 660  | P <sub>GC</sub> |       |      |
| 301  | 331  | 395  | 447  | 371  | 407  | 486  | 550  | 425  | 465  | 555  | 627  | 609  | 664  | 790  | 887  | 864  | 938  | 1115 | 1249 | P <sub>GD</sub> |       |      |
| 72   | 70   | 73   | 70   | 85   | 83   | 85   | 80   | 93   | 88   | 91   | 85   | 129  | 121  | 121  | 106  | 161  | 146  | 145  | 122  | P <sub>GA</sub> |       |      |
| 172  | 187  | 222  | 246  | 200  | 217  | 257  | 285  | 217  | 235  | 278  | 308  | 339  | 362  | 428  | 469  | 419  | 444  | 525  | 571  | P <sub>GB</sub> | 20    | C20  |
| 159  | 170  | 198  | 214  | 211  | 224  | 261  | 283  | 234  | 249  | 290  | 314  | 326  | 344  | 399  | 431  | 462  | 485  | 562  | 604  | P <sub>GC</sub> |       |      |
| 276  | 304  | 363  | 411  | 355  | 390  | 465  | 527  | 392  | 430  | 512  | 580  | 575  | 628  | 747  | 842  | 789  | 856  | 1019 | 1143 | P <sub>GD</sub> |       |      |
| 69   | 67   | 70   | 67   | 78   | 76   | 79   | 74   | 87   | 84   | 86   | 80   | 121  | 113  | 113  | 100  | 149  | 136  | 135  | 115  | P <sub>GA</sub> | 22. 4 | C22  |
| 165  | 179  | 213  | 237  | 185  | 201  | 239  | 265  | 203  | 220  | 261  | 289  | 314  | 336  | 397  | 436  | 390  | 414  | 489  | 533  | P <sub>GB</sub> |       |      |
| 152  | 162  | 188  | 205  | 190  | 202  | 234  | 255  | 218  | 232  | 270  | 293  | 297  | 314  | 363  | 393  | 432  | 454  | 526  | 566  | P <sub>GC</sub> |       |      |
| 263  | 290  | 346  | 392  | 320  | 352  | 420  | 476  | 366  | 401  | 478  | 541  | 524  | 573  | 682  | 768  | 736  | 802  | 954  | 1071 | P <sub>GD</sub> |       |      |

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\* On request.



H2 (kW)

H2 (kW)

| Code | iN    |     | H213 |      |      |      | H214 |      |      |      | H215 |      |      |      |
|------|-------|-----|------|------|------|------|------|------|------|------|------|------|------|------|
|      |       |     | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |
| B32  | 3. 15 | PGA |      |      |      |      | *    | *    | *    | *    |      |      |      |      |
|      |       | PGB |      |      |      |      | 687  | *    | *    | *    |      |      |      |      |
|      |       | PGC |      |      |      |      | 1516 | 1420 | 1571 | 1577 |      |      |      |      |
|      |       | PGD |      |      |      |      | 1990 | 1992 | 2275 | 2376 |      |      |      |      |
| B36  | 3. 55 | PGA |      |      |      |      | *    | *    | *    | *    |      |      |      |      |
|      |       | PGB |      |      |      |      | 606  | *    | *    | *    |      |      |      |      |
|      |       | PGC |      |      |      |      | 1469 | 1421 | 1529 | 1520 |      |      |      |      |
|      |       | PGD |      |      |      |      | 1933 | 1981 | 2206 | 2292 |      |      |      |      |
| B40  | 4     | PGA |      |      |      |      | *    | *    | *    | *    |      |      |      |      |
|      |       | PGB |      |      |      |      | 608  | *    | *    | *    |      |      |      |      |
|      |       | PGC |      |      |      |      | 1400 | 1384 | 1458 | 1541 |      |      |      |      |
|      |       | PGD |      |      |      |      | 1861 | 1939 | 2106 | 2320 |      |      |      |      |
| B45  | 4. 5  | PGA |      |      |      |      | *    | *    | *    | *    |      |      |      |      |
|      |       | PGB |      |      |      |      | 698  | *    | *    | *    |      |      |      |      |
|      |       | PGC |      |      |      |      | 1336 | 1339 | 1464 | 1430 |      |      |      |      |
|      |       | PGD |      |      |      |      | 1778 | 1873 | 2113 | 2156 |      |      |      |      |
| B50  | 5     | PGA |      |      |      |      | *    | *    | *    | *    |      |      |      |      |
|      |       | PGB |      |      |      |      | 678  | *    | *    | *    |      |      |      |      |
|      |       | PGC |      |      |      |      | 1255 | 1273 | 1350 | 1352 |      |      |      |      |
|      |       | PGD |      |      |      |      | 1681 | 1784 | 1951 | 2038 |      |      |      |      |
| B56  | 5. 6  | PGA |      |      |      |      | *    | *    | *    | *    |      |      |      |      |
|      |       | PGB |      |      |      |      | 691  | *    | *    | *    |      |      |      |      |
|      |       | PGC |      |      |      |      | 1244 | 1274 | 1268 | 1208 |      |      |      |      |
|      |       | PGD |      |      |      |      | 1670 | 1787 | 1831 | 1823 |      |      |      |      |
| B63  | 6. 3  | PGA | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
|      |       | PGB | 579  | 415  | 442  | *    | 632  | 486  | 523  | 376  | 563  | *    | *    | *    |
|      |       | PGC | 961  | 806  | 958  | 882  | 1031 | 960  | 928  | 942  | 1147 | 954  | 1014 | 822  |
|      |       | PGD | 1553 | 1515 | 1793 | 1678 | 1690 | 1695 | 1736 | 1825 | 1782 | 1628 | 1824 | 1562 |
| B71  | 7. 1  | PGA | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
|      |       | PGB | 558  | 452  | 493  | 357  | 650  | 520  | 551  | 386  | 591  | 344  | 338  | *    |
|      |       | PGC | 930  | 860  | 954  | 902  | 1021 | 952  | 1002 | 1008 | 1114 | 957  | 1031 | 882  |
|      |       | PGD | 1510 | 1497 | 1728 | 1710 | 1678 | 1682 | 1827 | 1906 | 1746 | 1636 | 1851 | 1666 |
| B80  | 8     | PGA | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
|      |       | PGB | 591  | 484  | 537  | 436  | 656  | 526  | 580  | 453  | 613  | 407  | 422  | *    |
|      |       | PGC | 888  | 838  | 937  | 907  | 1010 | 946  | 1055 | 1013 | 1078 | 957  | 1045 | 935  |
|      |       | PGD | 1455 | 1465 | 1700 | 1722 | 1658 | 1660 | 1923 | 1931 | 1696 | 1629 | 1860 | 1749 |
| B90  | 9     | PGA | 166  | *    | *    | *    | 180  | *    | *    | *    | *    | *    | *    | *    |
|      |       | PGB | 594  | 529  | 600  | 547  | 672  | 589  | 666  | 595  | 635  | 495  | 541  | 402  |
|      |       | PGC | 844  | 821  | 927  | 928  | 979  | 947  | 1068 | 1062 | 3434 | 959  | 1066 | 1012 |
|      |       | PGD | 1395 | 1436 | 1679 | 1755 | 1611 | 1651 | 1927 | 2003 | 1644 | 1635 | 1889 | 1877 |
| C10  | 10    | PGA | 178  | *    | *    | *    | 199  | *    | *    | *    | 170  | *    | *    | *    |
|      |       | PGB | 587  | 549  | 631  | 611  | 673  | 624  | 715  | 683  | 640  | 545  | 612  | 526  |
|      |       | PGC | 799  | 793  | 902  | 922  | 934  | 922  | 1047 | 1065 | 979  | 938  | 1053 | 1035 |
|      |       | PGD | 1326 | 1386 | 1628 | 1736 | 1551 | 1616 | 1896 | 2013 | 1571 | 1598 | 1861 | 1913 |
| C11  | 11. 2 | PGA | 192  | *    | *    | *    | 210  | *    | *    | *    | 185  | *    | *    | *    |
|      |       | PGB | 601  | 582  | 674  | 675  | 665  | 638  | 738  | 733  | 632  | 569  | 648  | 600  |
|      |       | PGC | 789  | 794  | 908  | 940  | 890  | 893  | 1019 | 1051 | 918  | 898  | 1015 | 1021 |
|      |       | PGD | 1319 | 1393 | 1642 | 1775 | 1482 | 1561 | 1838 | 1980 | 1485 | 1535 | 1796 | 1886 |
| C13  | 12. 5 | PGA | 192  | 142  | *    | *    | 214  | *    | *    | *    | 200  | *    | *    | *    |
|      |       | PGB | 572  | 567  | 660  | 677  | 648  | 638  | 742  | 756  | 637  | 596  | 685  | 662  |
|      |       | PGC | 725  | 737  | 845  | 884  | 837  | 849  | 972  | 1014 | 902  | 894  | 1018 | 1038 |
|      |       | PGD | 1212 | 1289 | 1523 | 1662 | 1401 | 1487 | 1755 | 1910 | 1459 | 1524 | 1790 | 1908 |
| C14  | 14    | PGA | 191  | 152  | *    | *    | 226  | 176  | *    | *    | 204  | *    | *    | *    |
|      |       | PGB | 547  | 553  | 647  | 676  | 659  | 663  | 774  | 805  | 614  | 593  | 686  | 686  |
|      |       | PGC | 672  | 690  | 793  | 836  | 830  | 850  | 976  | 1027 | 839  | 844  | 964  | 997  |
|      |       | PGD | 1131 | 1211 | 1434 | 1578 | 1392 | 1489 | 1761 | 1933 | 1365 | 1440 | 1697 | 1832 |
| C16  | 16    | PGA | 180  | 150  | 136  | *    | 224  | 184  | 164  | *    | 214  | 157  | *    | *    |
|      |       | PGB | 501  | 514  | 603  | 639  | 626  | 640  | 751  | 792  | 617  | 610  | 710  | 727  |
|      |       | PGC | 595  | 615  | 710  | 753  | 758  | 782  | 900  | 954  | 822  | 834  | 957  | 999  |
|      |       | PGD | 1007 | 1085 | 1286 | 1424 | 1276 | 1372 | 1626 | 1797 | 1341 | 1426 | 1684 | 1836 |
| C18  | 18    | PGA | 186  | 162  | 154  | *    | 220  | 190  | 178  | *    | 211  | 167  | 145  | *    |
|      |       | PGB | 506  | 528  | 621  | 667  | 598  | 621  | 731  | 782  | 583  | 590  | 690  | 722  |
|      |       | PGC | 598  | 622  | 719  | 768  | 705  | 732  | 846  | 902  | 758  | 778  | 895  | 944  |
|      |       | PGD | 1009 | 1093 | 1297 | 1446 | 1186 | 1286 | 1526 | 1698 | 1244 | 1333 | 1578 | 1736 |
| C20  | 20    | PGA |      |      |      |      | 203  | 179  | 172  | 133  |      |      |      |      |
|      |       | PGB |      |      |      |      | 543  | 569  | 670  | 722  |      |      |      |      |
|      |       | PGC |      |      |      |      | 624  | 651  | 753  | 806  |      |      |      |      |
|      |       | PGD |      |      |      |      | 1056 | 1145 | 1360 | 1519 |      |      |      |      |

\* 敬请垂询

\* On request.

| H216 |      |      |      | H217 |      |      |      | H218 |      |      |      |     | iN    | Code |
|------|------|------|------|------|------|------|------|------|------|------|------|-----|-------|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |     |       |      |
| *    | *    | *    | *    |      |      |      |      |      |      |      |      | PGA | 3. 15 | B32  |
| 764  | *    | *    | *    |      |      |      |      |      |      |      |      | PGB |       |      |
| 1768 | 1245 | 1375 | 1104 |      |      |      |      |      |      |      |      | PGC |       |      |
| 2215 | 1724 | 1951 | 1715 |      |      |      |      |      |      |      |      | PGD |       |      |
| *    | *    | *    | *    |      |      |      |      | *    | *    | *    | *    | PGA | 3. 55 | B36  |
| 707  | *    | *    | *    |      |      |      |      | 947  | *    | *    | *    | PGB |       |      |
| 1738 | 1281 | 1436 | 1189 |      |      |      |      | 1994 | 1502 | 1528 | 1582 | PGC |       |      |
| 2172 | 1754 | 2068 | 1808 |      |      |      |      | 2629 | 2145 | 2280 | 2479 | PGD |       |      |
| *    | *    | *    | *    |      |      |      |      | *    | *    | *    | *    | PGA | 4     | B40  |
| 744  | *    | *    | *    |      |      |      |      | 996  | *    | *    | *    | PGB |       |      |
| 1688 | 1289 | 1465 | 1282 |      |      |      |      | 1933 | 1517 | 1567 | 1711 | PGC |       |      |
| 2126 | 1765 | 2101 | 1933 |      |      |      |      | 2572 | 2163 | 2325 | 2660 | PGD |       |      |
| *    | *    | *    | *    |      |      |      |      | *    | *    | *    | *    | PGA | 4. 5  | B45  |
| 736  | *    | *    | *    |      |      |      |      | 1016 | *    | *    | *    | PGB |       |      |
| 1639 | 1316 | 1525 | 1426 |      |      |      |      | 1864 | 1503 | 1568 | 1770 | PGC |       |      |
| 2083 | 1796 | 2167 | 2123 |      |      |      |      | 2484 | 2134 | 2309 | 2726 | PGD |       |      |
| *    | *    | *    | *    |      |      |      |      | *    | *    | *    | *    | PGA | 5     | B50  |
| 702  | *    | *    | *    |      |      |      |      | 1013 | *    | *    | *    | PGB |       |      |
| 1564 | 1297 | 1521 | 1480 |      |      |      |      | 1764 | 1451 | 1525 | 1758 | PGC |       |      |
| 2009 | 1776 | 2160 | 2199 |      |      |      |      | 2358 | 2057 | 2237 | 2696 | PGD |       |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 5. 6  | B56  |
| 703  | *    | *    | *    | 844  | *    | *    | *    | 1032 | *    | *    | *    | PGB |       |      |
| 1484 | 1260 | 1489 | 1485 | 1603 | 1361 | 1609 | 1604 | 1717 | 1438 | 1520 | 1785 | PGC |       |      |
| 1913 | 1720 | 2104 | 2193 | 2066 | 1857 | 2273 | 2369 | 2305 | 2038 | 2225 | 2730 | PGD |       |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 6. 3  | B63  |
| 553  | *    | *    | *    | 625  | *    | *    | *    | 633  | *    | *    | *    | PGB |       |      |
| 1178 | 949  | 1000 | 803  | 1389 | 1088 | 1128 | 816  | 1381 | 1062 | 1106 | 642  | PGC |       |      |
| 1846 | 1642 | 1774 | 1559 | 2240 | 1954 | 2151 | 1661 | 2248 | 1940 | 1823 | 1568 | PGD |       |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 7. 1  | B71  |
| 589  | *    | *    | *    | 683  | *    | *    | *    | 659  | *    | *    | *    | PGB |       |      |
| 1158 | 976  | 1044 | 865  | 1351 | 1104 | 1166 | 918  | 1390 | 1106 | 1154 | 864  | PGC |       |      |
| 1810 | 1670 | 1880 | 1644 | 2186 | 1971 | 2199 | 1832 | 2260 | 1997 | 2009 | 1759 | PGD |       |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 8     | B80  |
| 620  | 386  | 390  | *    | 733  | *    | *    | *    | 719  | *    | *    | *    | PGB |       |      |
| 1126 | 982  | 1066 | 932  | 1319 | 1122 | 1206 | 1015 | 1354 | 1127 | 1200 | 975  | PGC |       |      |
| 1772 | 1681 | 1910 | 1757 | 2154 | 2003 | 2261 | 2006 | 2203 | 2015 | 2260 | 1941 | PGD |       |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 9     | B90  |
| 655  | 490  | 530  | 363  | 786  | 552  | 584  | *    | 789  | 523  | 542  | *    | PGB |       |      |
| 1093 | 1002 | 1109 | 1037 | 1289 | 1160 | 1274 | 1164 | 1330 | 1178 | 1286 | 1150 | PGC |       |      |
| 1736 | 1710 | 1970 | 1930 | 2120 | 2059 | 2360 | 2262 | 2191 | 2103 | 2400 | 2254 | PGD |       |      |
| 168  | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 10    | C10  |
| 668  | 554  | 617  | 510  | 812  | 645  | 710  | 547  | 830  | 635  | 691  | 495  | PGB |       |      |
| 1042 | 988  | 1106 | 1076 | 1267 | 1157 | 1289 | 1233 | 1289 | 1190 | 1319 | 1244 | PGC |       |      |
| 1674 | 1691 | 1964 | 1999 | 2053 | 2051 | 2374 | 2387 | 2143 | 2121 | 2447 | 2418 | PGD |       |      |
| 189  | *    | *    | *    | 195  | *    | *    | *    | 190  | *    | *    | *    | PGA | 11. 2 | C11  |
| 669  | 591  | 669  | 604  | 815  | 698  | 784  | 679  | 847  | 705  | 787  | 655  | PGB |       |      |
| 990  | 960  | 1083 | 1080 | 1174 | 1126 | 1266 | 1246 | 1242 | 1179 | 1321 | 1287 | PGC |       |      |
| 1594 | 1638 | 1913 | 1994 | 1958 | 1994 | 2323 | 2393 | 2070 | 2092 | 2431 | 2478 | PGD |       |      |
| 200  | *    | *    | *    | 221  | *    | *    | *    | 213  | *    | *    | *    | PGA | 12. 5 | C13  |
| 656  | 604  | 691  | 656  | 833  | 748  | 851  | 786  | 844  | 742  | 840  | 754  | PGB |       |      |
| 931  | 918  | 1042 | 1057 | 1144 | 1117 | 1263 | 1268 | 1176 | 1138 | 1284 | 1278 | PGC |       |      |
| 1506 | 1566 | 1836 | 1945 | 1914 | 1976 | 2311 | 2426 | 1965 | 2017 | 2355 | 2451 | PGD |       |      |
| 214  | *    | *    | *    | 233  | *    | *    | *    | 239  | *    | *    | *    | PGA | 14    | C14  |
| 659  | 629  | 726  | 717  | 814  | 761  | 875  | 846  | 860  | 792  | 906  | 861  | PGB |       |      |
| 910  | 910  | 1038 | 1069 | 1071 | 1062 | 1209 | 1234 | 1145 | 1128 | 1280 | 1298 | PGC |       |      |
| 1482 | 1557 | 1832 | 1969 | 1802 | 1883 | 2211 | 2358 | 1921 | 1998 | 2342 | 2482 | PGD |       |      |
| 216  | *    | *    | *    | 238  | *    | *    | *    | 248  | *    | *    | *    | PGA | 16    | C16  |
| 634  | 620  | 721  | 731  | 782  | 754  | 873  | 872  | 837  | 797  | 919  | 905  | PGB |       |      |
| 847  | 857  | 981  | 1020 | 996  | 1001 | 1143 | 1182 | 1073 | 1073 | 1222 | 1257 | PGC |       |      |
| 1381 | 1463 | 1726 | 1875 | 1680 | 1772 | 2088 | 2253 | 1810 | 1901 | 2236 | 2401 | PGD |       |      |
| 228  | 176  | *    | *    | 248  | 184  | *    | *    | 169  | *    | *    | *    | PGA | 18    | C18  |
| 638  | 640  | 748  | 777  | 768  | 762  | 888  | 912  | 805  | 790  | 919  | 934  | PGB |       |      |
| 830  | 849  | 975  | 1026 | 951  | 968  | 1110 | 1161 | 994  | 1008 | 1154 | 1202 | PGC |       |      |
| 1359 | 1453 | 1718 | 1885 | 1606 | 1710 | 2020 | 2206 | 1689 | 1792 | 2114 | 2299 | PGD |       |      |
|      |      |      |      |      |      |      |      | 258  | 196  | *    | *    | PGA | 20    | C20  |
|      |      |      |      |      |      |      |      | 787  | 785  | 915  | 944  | PGB |       |      |
|      |      |      |      |      |      |      |      | 945  | 963  | 1106 | 1159 | PGC |       |      |
|      |      |      |      |      |      |      |      | 1602 | 1708 | 2019 | 2209 | PGD |       |      |

| Code | $i_N$ |     | H2 (kW) |      |      |      |      |      |      |      | H2 (kW) |      |      |      |      |      |      |      |
|------|-------|-----|---------|------|------|------|------|------|------|------|---------|------|------|------|------|------|------|------|
|      |       |     | H219    |      |      |      | H220 |      |      |      | H221    |      |      |      | H222 |      |      |      |
|      |       |     | 960     | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960     | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |
| B80  | 8     | PGA | *       | *    | *    | *    |      |      |      |      | *       | *    | *    | *    |      |      |      |      |
| B90  | 9     | PGA | *       | *    | *    | *    | *    | *    | *    | *    | *       | *    | *    | *    | *    | *    | *    | *    |
| C10  | 10    | PGA | *       | *    | *    | *    | *    | *    | *    | *    | *       | *    | *    | *    | *    | *    | *    | *    |
| C11  | 11.2  | PGA | *       | *    | *    | *    | *    | *    | *    | *    | *       | *    | *    | *    | *    | *    | *    | *    |
| C13  | 12.5  | PGA | 301     | *    | *    | *    | 289  | *    | *    | *    | *       | *    | *    | *    | *    | *    | *    | *    |
| C14  | 14    | PGA | 328     | *    | *    | *    | 333  | *    | *    | *    | *       | *    | *    | *    | *    | *    | *    | *    |
| C16  | 16    | PGA | 341     | *    | *    | *    | 354  | *    | *    | *    | 336     | *    | *    | *    | *    | *    | *    | *    |
| C18  | 18    | PGA | 362     | *    | *    | *    | 368  | *    | *    | *    | 367     | *    | *    | *    | 352  | *    | *    | *    |
| C20  | 20    | PGA |         |      |      |      | 378  | *    | *    | *    |         |      |      |      | 372  | *    | *    | *    |

\* 敬请垂询

\* On request.

| H223 |      |      |      | H224 |      |      |      | H225 |      |      |      | H226 |      |      |      |     | $\dot{i}_N$ | Code |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-------------|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |     |             |      |
| *    | *    | *    | *    |      |      |      |      |      |      |      |      |      |      |      |      | PGA | 8           | B80  |
| *    | *    | *    | *    | *    | *    | *    | *    |      |      |      |      |      |      |      |      | PGA | 9           | B90  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 10          | C10  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 11.2        | C11  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 12.5        | C13  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 14          | C14  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 16          | C16  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 18          | C18  |
|      |      |      |      | *    | *    | *    | *    |      |      |      |      |      |      |      |      | PGA | 20          | C20  |

\* 敬请垂询

\* On request.

H3 (kW)

H3 (kW)

| Code | iN   |                 | H305 |      |      |      | H306 |      |      |      | H307 |      |      |      | H308 |      |      |      |
|------|------|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|      |      |                 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |
| C16  | 16   | P <sub>GA</sub> | 58.3 | 57.2 | 59.4 | 58.4 | 68.5 | 65.6 | 68.7 | 67.5 | 70.8 | 68.3 | 70.7 | 68.1 | 75.6 | 71.8 | 73.8 | 69.9 |
|      |      | P <sub>GB</sub> | 85.3 | 90.4 | 105  | 114  | 99.3 | 105  | 123  | 136  | 102  | 110  | 130  | 139  | 112  | 121  | 137  | 151  |
|      |      | P <sub>GC</sub> | 103  | 117  | 130  | 144  | 122  | 135  | 156  | 166  | 142  | 147  | 170  | 185  | 149  | 158  | 186  | 197  |
|      |      | P <sub>GD</sub> | 157  | 170  | 199  | 224  | 181  | 194  | 236  | 255  | 205  | 221  | 261  | 292  | 212  | 227  | 268  | 301  |
| C18  | 18   | P <sub>GA</sub> | 56.1 | 55.3 | 57.6 | 57   | 65.8 | 63.6 | 66.7 | 65.8 | 71.4 | 69.4 | 72   | 69.9 | 76.2 | 72.9 | 75.2 | 71.9 |
|      |      | P <sub>GB</sub> | 82.1 | 87.4 | 102  | 111  | 95.5 | 101  | 118  | 131  | 104  | 112  | 132  | 141  | 113  | 122  | 138  | 152  |
|      |      | P <sub>GC</sub> | 98   | 110  | 122  | 136  | 116  | 127  | 146  | 156  | 140  | 146  | 169  | 184  | 146  | 156  | 184  | 195  |
|      |      | P <sub>GD</sub> | 149  | 161  | 190  | 213  | 171  | 185  | 223  | 243  | 204  | 221  | 261  | 292  | 211  | 227  | 268  | 301  |
| C20  | 20   | P <sub>GA</sub> | 53.9 | 53.4 | 55.9 | 55.6 | 63.3 | 61.6 | 64.7 | 64.3 | 72.1 | 70.4 | 73.4 | 71.8 | 76.7 | 74   | 76.7 | 74   |
|      |      | P <sub>GB</sub> | 79.1 | 84.6 | 98.7 | 107  | 91.8 | 98   | 114  | 127  | 106  | 114  | 134  | 144  | 114  | 123  | 140  | 154  |
|      |      | P <sub>GC</sub> | 93   | 102  | 116  | 128  | 110  | 120  | 138  | 148  | 138  | 146  | 168  | 183  | 145  | 154  | 181  | 194  |
|      |      | P <sub>GD</sub> | 140  | 153  | 180  | 202  | 162  | 176  | 211  | 232  | 203  | 221  | 261  | 292  | 210  | 227  | 268  | 301  |
| C22  | 22.4 | P <sub>GA</sub> | 51.9 | 51.6 | 54.2 | 54.2 | 60.8 | 59.6 | 62.8 | 62.7 | 72.8 | 71.5 | 74.7 | 73.7 | 77.3 | 75.1 | 78.2 | 76.1 |
|      |      | P <sub>GB</sub> | 76.2 | 81.8 | 95.5 | 104  | 88.3 | 94.6 | 111  | 122  | 108  | 116  | 136  | 147  | 115  | 124  | 142  | 156  |
|      |      | P <sub>GC</sub> | 89   | 96   | 110  | 121  | 103  | 113  | 130  | 140  | 137  | 145  | 167  | 182  | 143  | 153  | 178  | 192  |
|      |      | P <sub>GD</sub> | 132  | 145  | 171  | 192  | 153  | 167  | 200  | 221  | 202  | 221  | 261  | 292  | 209  | 227  | 268  | 301  |
| C25  | 25   | P <sub>GA</sub> | 49.9 | 49.8 | 52.5 | 52.9 | 58.5 | 57.8 | 61   | 61.2 | 73.5 | 72.6 | 76.1 | 75.6 | 77.9 | 76.3 | 79.7 | 78.3 |
|      |      | P <sub>GB</sub> | 73.4 | 79.1 | 92.4 | 101  | 85   | 91.4 | 107  | 117  | 110  | 118  | 138  | 150  | 116  | 125  | 144  | 158  |
|      |      | P <sub>GC</sub> | 84   | 90   | 104  | 114  | 88   | 106  | 122  | 132  | 135  | 144  | 166  | 182  | 142  | 151  | 176  | 190  |
|      |      | P <sub>GD</sub> | 125  | 138  | 163  | 183  | 145  | 159  | 190  | 210  | 201  | 221  | 261  | 292  | 208  | 227  | 268  | 301  |
| C28  | 28   | P <sub>GA</sub> | 48   | 48.1 | 50.9 | 51.6 | 56.2 | 56   | 59.2 | 59.7 | 74.2 | 73.7 | 77.5 | 77.6 | 78.5 | 77.4 | 81.2 | 80.6 |
|      |      | P <sub>GB</sub> | 70.7 | 76.5 | 89.4 | 97.9 | 81.7 | 88.3 | 103  | 113  | 112  | 120  | 140  | 153  | 117  | 126  | 146  | 160  |
|      |      | P <sub>GC</sub> | 80   | 85   | 98   | 108  | *    | *    | *    | *    | 134  | 143  | 166  | 181  | 140  | 150  | 174  | 189  |
|      |      | P <sub>GD</sub> | 118  | 131  | 155  | 174  | *    | *    | *    | *    | 200  | 221  | 261  | 292  | 207  | 227  | 268  | 301  |
| C32  | 31.5 | P <sub>GA</sub> | 46.7 | 47.1 | 49.9 | 50.9 | 54   | 54.2 | 57.4 | 58.3 | 71.4 | 71.3 | 75.3 | 76   | 79.1 | 78.6 | 82.8 | 82.9 |
|      |      | P <sub>GB</sub> | 68.5 | 74.4 | 86.9 | 95.5 | 78.6 | 85.3 | 99.6 | 109  | 107  | 115  | 135  | 147  | 118  | 127  | 148  | 162  |
|      |      | P <sub>GC</sub> | 76   | 82   | 94   | 104  | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
|      |      | P <sub>GD</sub> | 114  | 126  | 149  | 168  | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| C36  | 35.5 | P <sub>GA</sub> | 45.2 | 45.7 | 48.6 | 49.8 | 51.9 | 52.5 | 55.7 | 56.9 | 69.4 | 69.7 | 73.9 | 75.1 | 79.7 | 79.8 | 84.4 | 85.3 |
|      |      | P <sub>GB</sub> | 66.2 | 72.2 | 84.3 | 92.9 | 75.6 | 82.4 | 96.2 | 105  | 104  | 113  | 132  | 145  | 119  | 128  | 150  | 164  |
|      |      | P <sub>GC</sub> | 73   | 79   | 90   | 99   | 82   | 88   | 102  | 112  | 121  | 130  | 150  | 165  | 137  | 146  | 169  | 186  |
|      |      | P <sub>GD</sub> | 109  | 121  | 143  | 161  | 123  | 137  | 161  | 182  | 183  | 202  | 239  | 268  | 205  | 227  | 268  | 301  |
| C40  | 40   | P <sub>GA</sub> | 42.7 | 43.3 | 46.1 | 47.3 | 50.4 | 51.1 | 54.3 | 55.7 | 66   | 66.5 | 70.6 | 72   | 76.6 | 76.9 | 81.4 | 82.7 |
|      |      | P <sub>GB</sub> | 62.3 | 68.1 | 79.5 | 87.7 | 73.3 | 80   | 93.4 | 102  | 98.9 | 107  | 125  | 138  | 113  | 123  | 144  | 158  |
|      |      | P <sub>GC</sub> | 68   | 73   | 84   | 93   | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
|      |      | P <sub>GD</sub> | 101  | 112  | 133  | 149  | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| C45  | 45   | P <sub>GA</sub> | 40.8 | 41.5 | 44.2 | 45.5 | 48.7 | 49.4 | 52.5 | 53.9 | 63.6 | 64.2 | 68.2 | 69.7 | 74.3 | 74.7 | 79.2 | 80.6 |
|      |      | P <sub>GB</sub> | 59.6 | 65.2 | 76.1 | 84   | 70.7 | 77.3 | 90.2 | 99.5 | 95   | 103  | 120  | 132  | 110  | 120  | 140  | 154  |
|      |      | P <sub>GC</sub> | 64   | 69   | 80   | 87   | 76   | 81   | 94   | 103  | 107  | 115  | 134  | 146  | 124  | 133  | 154  | 169  |
|      |      | P <sub>GD</sub> | 96   | 106  | 126  | 141  | 113  | 125  | 148  | 166  | 162  | 180  | 212  | 239  | 186  | 206  | 243  | 273  |
| C50  | 50   | P <sub>GA</sub> | 39.6 | 40.4 | 43.2 | 44.7 | 46.1 | 47   | 50.1 | 51.9 | 60.1 | 61.2 | 65.2 | 67.3 | 70.9 | 71.9 | 76.6 | 78.7 |
|      |      | P <sub>GB</sub> | 57.5 | 63.2 | 73.8 | 81.7 | 66.7 | 73.2 | 85.5 | 94.6 | 89.6 | 98.2 | 114  | 126  | 104  | 114  | 133  | 147  |
|      |      | P <sub>GC</sub> | 62   | 67   | 77   | 85   | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
|      |      | P <sub>GD</sub> | 92.8 | 103  | 122  | 137  | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| C56  | 56   | P <sub>GA</sub> | 37.6 | 38.5 | 41.2 | 42.9 | 44.3 | 45.3 | 48.5 | 50.4 | 57.5 | 58.7 | 62.7 | 65   | 68.4 | 69.7 | 74.4 | 77   |
|      |      | P <sub>GB</sub> | 54.5 | 60.1 | 70.1 | 77.7 | 63.9 | 70.4 | 82.2 | 91.1 | 85.2 | 93.7 | 109  | 121  | 100  | 110  | 129  | 143  |
|      |      | P <sub>GC</sub> | 58   | 63   | 72   | 80   | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
|      |      | P <sub>GD</sub> | 86.7 | 96.9 | 114  | 129  | 99.7 | 111  | 131  | 148  | 143  | 160  | 188  | 212  | 166  | 185  | 218  | 246  |
| C63  | 63   | P <sub>GA</sub> | 35.5 | 36.4 | 39.1 | 40.8 | 42.7 | 43.9 | 47   | 49   | 53.7 | 55.1 | 59   | 61.5 | 64.7 | 66.4 | 71   | 73.9 |
|      |      | P <sub>GB</sub> | 51.2 | 56.6 | 66.1 | 73.4 | 61.4 | 67.9 | 79.2 | 88   | 79.4 | 87.6 | 102  | 113  | 95.1 | 105  | 122  | 135  |
|      |      | P <sub>GC</sub> | 54   | 58   | 67   | 74   | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
|      |      | P <sub>GD</sub> | 80.6 | 90.2 | 106  | 120  | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| C71  | 71   | P <sub>GA</sub> | 35.1 | 36.1 | 38.7 | 40.4 | 40.5 | 41.6 | 44.6 | 46.6 | 52.1 | 53.5 | 57.3 | 59.8 | 61.6 | 63.2 | 67.7 | 70.5 |
|      |      | P <sub>GB</sub> | 50.6 | 56   | 65.3 | 72.6 | 58.1 | 64.3 | 75   | 83.3 | 76.7 | 84.8 | 98.9 | 109  | 90.4 | 99.8 | 116  | 129  |
|      |      | P <sub>GC</sub> | 53   | 58   | 66   | 73   | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
|      |      | P <sub>GD</sub> | 79.7 | 89.2 | 105  | 118  | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| C80  | 80   | P <sub>GA</sub> | 33.3 | 34.3 | 36.8 | 38.4 | 38.2 | 39.2 | 42.1 | 44   | 50.9 | 52.3 | 56   | 58.5 | 57.6 | 59.1 | 63.3 | 66   |
|      |      | P <sub>GB</sub> | 47.9 | 53   | 61.9 | 68.8 | 54.5 | 60.3 | 70.3 | 78.2 | 74.9 | 82.8 | 96.6 | 107  | 84.1 | 92.9 | 108  | 120  |
|      |      | P <sub>GC</sub> | 49   | 54   | 62   | 68   | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
|      |      | P <sub>GD</sub> | 74.2 | 83   | 97.9 | 110  | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| C90  | 90   | P <sub>GA</sub> | 32.9 | 33.9 | 36.3 | 38   | 37.8 | 38.9 | 41.8 | 43.6 | 48.1 | 49.5 | 53.1 | 55.4 | 55.7 | 57.2 | 61.4 | 64   |
|      |      | P <sub>GB</sub> | 47.3 | 52.4 | 61.1 | 67.9 | 54.1 | 59.8 | 69.8 | 77.6 | 70.7 | 78.3 | 94.3 | 101  | 81.1 | 89.7 | 104  | 116  |
|      |      | P <sub>GC</sub> | 48   | 52   | 60   | 66   | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
|      |      | P <sub>GD</sub> | 72.3 | 81   | 95.5 | 107  | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
| D10  | 100  | P <sub>GA</sub> |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|      |      | P <sub>GB</sub> |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|      |      | P <sub>GC</sub> |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|      |      | P <sub>GD</sub> |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

\* 敬請垂詢

\* On request.

| H309 |      |      |      | H310 |      |      |      | H311 |      |      |      | H312 |      |      |      |     | iN   | Code |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |     |      |      |
| 101  | 94.6 | 96.1 | 89.7 | 101  | 94.9 | 90.8 | 84.7 | 158  | 144  | 142  | 115  | 197  | 175  | 165  | 132  | PGA | 16   | C16  |
| 160  | 164  | 191  | 197  | 164  | 167  | 200  | 210  | 265  | 261  | 305  | 306  | 316  | 302  | 361  | 359  | PGB |      |      |
| 226  | 234  | 269  | 290  | 271  | 286  | 329  | 354  | 438  | 448  | 518  | 553  | 516  | 525  | 604  | 635  | PGC |      |      |
| 332  | 353  | 421  | 463  | 392  | 424  | 504  | 554  | 622  | 650  | 777  | 844  | 724  | 752  | 889  | 962  | PGD |      |      |
| 100  | 95.1 | 97.1 | 91.7 | 101  | 95.5 | 92.6 | 87.2 | 154  | 142  | 141  | 117  | 191  | 172  | 164  | 135  | PGA | 18   | C18  |
| 158  | 163  | 190  | 198  | 161  | 166  | 198  | 209  | 256  | 254  | 297  | 301  | 305  | 295  | 351  | 353  | PGB |      |      |
| 218  | 227  | 262  | 283  | 264  | 278  | 321  | 346  | 410  | 422  | 487  | 522  | 482  | 494  | 568  | 600  | PGC |      |      |
| 322  | 344  | 410  | 452  | 382  | 414  | 491  | 541  | 587  | 617  | 736  | 802  | 682  | 713  | 843  | 916  | PGD |      |      |
| 100  | 95.6 | 98   | 93.6 | 101  | 96   | 94.4 | 89.8 | 151  | 140  | 140  | 120  | 186  | 169  | 163  | 138  | PGA | 20   | C20  |
| 156  | 162  | 189  | 199  | 159  | 165  | 196  | 208  | 247  | 247  | 290  | 297  | 294  | 288  | 342  | 348  | PGB |      |      |
| 211  | 222  | 255  | 277  | 256  | 271  | 312  | 338  | 383  | 397  | 458  | 492  | 451  | 464  | 534  | 567  | PGC |      |      |
| 312  | 336  | 399  | 442  | 372  | 403  | 479  | 529  | 553  | 585  | 698  | 762  | 644  | 677  | 801  | 873  | PGD |      |      |
| 100  | 96.1 | 99   | 95.6 | 101  | 96.6 | 96.2 | 92.5 | 148  | 138  | 139  | 123  | 180  | 165  | 162  | 140  | PGA | 22.4 | C22  |
| 154  | 161  | 188  | 200  | 157  | 164  | 194  | 207  | 238  | 241  | 282  | 293  | 284  | 282  | 333  | 342  | PGB |      |      |
| 204  | 215  | 248  | 270  | 249  | 264  | 304  | 330  | 358  | 374  | 431  | 464  | 422  | 437  | 502  | 536  | PGC |      |      |
| 302  | 327  | 388  | 431  | 362  | 393  | 467  | 517  | 522  | 555  | 661  | 725  | 607  | 642  | 760  | 831  | PGD |      |      |
| 99.3 | 96.6 | 100  | 97.7 | 100  | 97.2 | 98.1 | 95.3 | 145  | 136  | 138  | 126  | 174  | 162  | 161  | 143  | PGA | 25   | C25  |
| 152  | 160  | 187  | 201  | 155  | 163  | 192  | 206  | 230  | 235  | 275  | 289  | 274  | 275  | 325  | 337  | PGB |      |      |
| 198  | 210  | 242  | 263  | 242  | 258  | 297  | 322  | 335  | 351  | 406  | 438  | 394  | 410  | 473  | 506  | PGC |      |      |
| 293  | 319  | 378  | 421  | 352  | 384  | 455  | 505  | 492  | 527  | 626  | 689  | 572  | 610  | 721  | 792  | PGD |      |      |
| 99   | 97.1 | 101  | 99.8 | 100  | 97.8 | 100  | 98.1 | 142  | 134  | 137  | 129  | 169  | 159  | 160  | 146  | PGA | 28   | C28  |
| 150  | 159  | 186  | 202  | 153  | 162  | 190  | 205  | 222  | 229  | 268  | 285  | 264  | 269  | 316  | 332  | PGB |      |      |
| 191  | 204  | 235  | 257  | 235  | 250  | 289  | 314  | 314  | 330  | 382  | 413  | 369  | 386  | 445  | 479  | PGC |      |      |
| 284  | 311  | 368  | 411  | 342  | 374  | 443  | 493  | 464  | 500  | 593  | 655  | 540  | 579  | 685  | 755  | PGD |      |      |
| 96.9 | 95.8 | 100  | 100  | 100  | 98.4 | 102  | 101  | 138  | 132  | 137  | 131  | 164  | 156  | 159  | 149  | PGA | 31.5 | C32  |
| 146  | 157  | 183  | 199  | 151  | 165  | 196  | 208  | 247  | 247  | 290  | 297  | 294  | 288  | 342  | 348  | PGB |      |      |
| 184  | 196  | 226  | 247  | *    | *    | *    | *    | 299  | 317  | 366  | 397  | 345  | 363  | 418  | 453  | PGC |      |      |
| 273  | 300  | 355  | 397  | *    | *    | *    | *    | 443  | 481  | 570  | 632  | 509  | 549  | 650  | 719  | PGD |      |      |
| 93.9 | 93.6 | 98.7 | 99.2 | 99.8 | 99   | 104  | 104  | 134  | 130  | 135  | 132  | 159  | 153  | 158  | 152  | PGA | 35.5 | C36  |
| 142  | 153  | 178  | 195  | 149  | 160  | 186  | 203  | 208  | 220  | 257  | 277  | 246  | 257  | 300  | 322  | PGB |      |      |
| 175  | 187  | 217  | 237  | *    | *    | *    | *    | 283  | 301  | 347  | 378  | 322  | 342  | 394  | 428  | PGC |      |      |
| 262  | 289  | 342  | 383  | *    | *    | *    | *    | 422  | 460  | 544  | 606  | 480  | 521  | 617  | 685  | PGD |      |      |
| 88.9 | 88.9 | 93.9 | 94.9 | 96.5 | 96.2 | 101  | 101  | 129  | 126  | 132  | 130  | 155  | 150  | 156  | 151  | PGA | 40   | C40  |
| 134  | 145  | 170  | 186  | 145  | 156  | 182  | 199  | 199  | 212  | 248  | 268  | 238  | 251  | 293  | 315  | PGB |      |      |
| 163  | 175  | 202  | 222  | *    | *    | *    | *    | 266  | 284  | 328  | 358  | 307  | 326  | 376  | 409  | PGC |      |      |
| 244  | 270  | 319  | 357  | *    | *    | *    | *    | 397  | 434  | 514  | 573  | 457  | 497  | 589  | 655  | PGD |      |      |
| 85.6 | 85.9 | 90.8 | 92   | 94   | 93.9 | 99.1 | 99.9 | 128  | 126  | 132  | 131  | 149  | 145  | 151  | 147  | PGA | 45   | C45  |
| 128  | 139  | 162  | 178  | 141  | 152  | 177  | 194  | 199  | 212  | 247  | 268  | 229  | 242  | 283  | 305  | PGB |      |      |
| 154  | 166  | 191  | 210  | *    | *    | *    | *    | 261  | 278  | 321  | 350  | 291  | 310  | 358  | 390  | PGC |      |      |
| 232  | 256  | 303  | 340  | *    | *    | *    | *    | 389  | 427  | 505  | 563  | 434  | 474  | 561  | 624  | PGD |      |      |
| 84.2 | 85.2 | 90.6 | 92.9 | 89.4 | 90.3 | 95.9 | 98   | 127  | 127  | 134  | 135  | 145  | 144  | 151  | 152  | PGA | 50   | C50  |
| 126  | 137  | 160  | 177  | 133  | 145  | 169  | 186  | 195  | 210  | 246  | 269  | 222  | 238  | 278  | 303  | PGB |      |      |
| 151  | 162  | 188  | 206  | *    | *    | *    | *    | 255  | 274  | 316  | 346  | 275  | 294  | 340  | 372  | PGC |      |      |
| 225  | 250  | 295  | 332  | *    | *    | *    | *    | 381  | 421  | 497  | 558  | 411  | 452  | 534  | 598  | PGD |      |      |
| 80.4 | 81.8 | 87.3 | 90.1 | 86.2 | 87.7 | 93.4 | 96.2 | 118  | 119  | 127  | 129  | 145  | 146  | 154  | 157  | PGA | 56   | C56  |
| 120  | 131  | 153  | 169  | 128  | 140  | 164  | 181  | 181  | 197  | 230  | 253  | 221  | 240  | 280  | 307  | PGB |      |      |
| 141  | 152  | 175  | 193  | *    | *    | *    | *    | 231  | 249  | 287  | 316  | 270  | 289  | 334  | 366  | PGC |      |      |
| 212  | 236  | 278  | 314  | *    | *    | *    | *    | 345  | 383  | 452  | 508  | 403  | 446  | 527  | 592  | PGD |      |      |
| 76.2 | 78   | 83.5 | 86.8 | 84.6 | 86.5 | 92.5 | 96   | 113  | 115  | 122  | 126  | 143  | 145  | 154  | 159  | PGA | 63   | C63  |
| 112  | 124  | 145  | 160  | 124  | 137  | 160  | 177  | 171  | 188  | 219  | 242  | 216  | 236  | 276  | 304  | PGB |      |      |
| 130  | 141  | 163  | 180  | *    | *    | *    | *    | 214  | 231  | 267  | 294  | 264  | 285  | 329  | 362  | PGC |      |      |
| 197  | 220  | 259  | 293  | *    | *    | *    | *    | 321  | 357  | 421  | 475  | 395  | 439  | 518  | 584  | PGD |      |      |
| 74.6 | 76.4 | 81.8 | 85.1 | 80.5 | 82.4 | 88.2 | 91.6 | 110  | 112  | 120  | 124  | 133  | 135  | 144  | 149  | PGA | 71   | C71  |
| 110  | 122  | 142  | 158  | 119  | 131  | 153  | 170  | 166  | 182  | 213  | 235  | 200  | 219  | 256  | 283  | PGB |      |      |
| 128  | 138  | 160  | 176  | *    | *    | *    | *    | 206  | 223  | 258  | 284  | 238  | 257  | 297  | 326  | PGC |      |      |
| 191  | 214  | 252  | 285  | *    | *    | *    | *    | 309  | 345  | 407  | 458  | 357  | 398  | 469  | 529  | PGD |      |      |
| 70.6 | 72.4 | 77.6 | 80.8 | 76.1 | 78   | 83.5 | 86.8 | 104  | 106  | 113  | 118  | 125  | 128  | 136  | 141  | PGA | 80   | C80  |
| 104  | 114  | 134  | 148  | 111  | 123  | 143  | 159  | 156  | 172  | 201  | 222  | 188  | 207  | 241  | 267  | PGB |      |      |
| 118  | 128  | 148  | 163  | *    | *    | *    | *    | 190  | 206  | 238  | 262  | 222  | 238  | 276  | 304  | PGC |      |      |
| 179  | 200  | 236  | 266  | *    | *    | *    | *    | 286  | 319  | 377  | 425  | 332  | 370  | 437  | 492  | PGD |      |      |
| 67.1 | 68.8 | 73.8 | 76.9 | 74.3 | 76.2 | 81.6 | 85   | 100  | 103  | 110  | 114  | 123  | 125  | 134  | 139  | PGA | 90   | C90  |
| 98.8 | 109  | 127  | 141  | 108  | 119  | 140  | 155  | 151  | 166  | 194  | 215  | 183  | 201  | 235  | 260  | PGB |      |      |
| 110  | 119  | 138  | 152  | *    | *    | *    | *    | 182  | 198  | 228  | 251  | 214  | 230  | 266  | 294  | PGC |      |      |
| 166  | 186  | 219  | 247  | *    | *    | *    | *    | 275  | 307  | 362  | 409  | 321  | 358  | 422  | 476  | PGD |      |      |
| 63.8 | 66   | 70.1 | 73.8 | 70.7 | 72.7 | 78   | 81.6 | 94.3 | 98   | 105  | 109  | 116  | 119  | 128  | 133  | PGA | 100  | D10  |
| 94.2 | 104  | 121  | 135  | 103  | 114  | 133  | 148  | 143  | 158  | 184  | 204  | 173  | 191  | 223  | 247  | PGB |      |      |
| 102  | 111  | 128  | 142  | *    | *    | *    | *    | 169  | 182  | 211  | 233  | 198  | 214  | 246  | 272  | PGC |      |      |
| 155  | 174  | 204  | 230  | *    | *    | *    | *    | 254  | 285  | 336  | 380  | 297  | 332  | 392  | 442  | PGD |      |      |

\* 敬请垂询

\* On request.

H3 (kW)

H3 (kW)

| Code | iN   |     | H313 |      |      |      | H314 |      |      |      | H315 |      |      |      |
|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|
|      |      |     | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |
| C14  | 14   | PGA |      |      |      |      |      |      |      |      |      |      |      |      |
|      |      | PGB |      |      |      |      |      |      |      |      |      |      |      |      |
|      |      | PGC |      |      |      |      |      |      |      |      |      |      |      |      |
|      |      | PGD |      |      |      |      |      |      |      |      |      |      |      |      |
| C16  | 16   | PGA | 218  | 185  | 188  | 120  | 235  | 212  | 183  | *    | 264  | 201  | 185  | *    |
|      |      | PGB | 337  | 352  | 385  | 350  | 374  | 339  | 396  | 371  | 465  | 421  | 470  | 420  |
|      |      | PGC | 500  | 539  | 595  | 629  | 570  | 588  | 680  | 721  | 801  | 846  | 945  | 962  |
|      |      | PGD | 724  | 806  | 903  | 975  | 835  | 874  | 996  | 1082 | 1163 | 1174 | 1368 | 1402 |
| C18  | 18   | PGA | 210  | 185  | 181  | 128  | 230  | 209  | 185  | *    | 263  | 205  | 187  | *    |
|      |      | PGB | 324  | 336  | 370  | 354  | 366  | 337  | 394  | 374  | 452  | 411  | 467  | 427  |
|      |      | PGC | 480  | 506  | 572  | 602  | 556  | 569  | 659  | 702  | 770  | 810  | 908  | 957  |
|      |      | PGD | 696  | 743  | 868  | 926  | 803  | 843  | 971  | 1058 | 1128 | 1158 | 1325 | 1393 |
| C20  | 20   | PGA | 198  | 173  | 171  | 137  | 228  | 206  | 186  | 137  | 260  | 208  | 192  | *    |
|      |      | PGB | 306  | 310  | 349  | 360  | 358  | 335  | 391  | 376  | 443  | 403  | 452  | 438  |
|      |      | PGC | 453  | 486  | 540  | 581  | 531  | 554  | 633  | 674  | 748  | 774  | 880  | 914  |
|      |      | PGD | 657  | 721  | 819  | 903  | 775  | 812  | 945  | 1024 | 1096 | 1103 | 1293 | 1362 |
| C22  | 22.4 | PGA | 196  | 173  | 169  | 141  | 224  | 204  | 188  | 146  | 258  | 209  | 193  | *    |
|      |      | PGB | 303  | 295  | 346  | 352  | 346  | 328  | 385  | 380  | 432  | 393  | 463  | 446  |
|      |      | PGC | 449  | 464  | 534  | 570  | 506  | 532  | 612  | 654  | 722  | 730  | 840  | 882  |
|      |      | PGD | 650  | 681  | 811  | 881  | 741  | 779  | 908  | 998  | 1043 | 1059 | 1267 | 1350 |
| C25  | 25   | PGA | 191  | 170  | 137  | 140  | 219  | 203  | 190  | 155  | 253  | 207  | 192  | *    |
|      |      | PGB | 294  | 288  | 338  | 345  | 337  | 326  | 382  | 387  | 420  | 385  | 456  | 439  |
|      |      | PGC | 426  | 442  | 509  | 543  | 485  | 506  | 586  | 627  | 680  | 690  | 794  | 834  |
|      |      | PGD | 617  | 647  | 771  | 839  | 709  | 748  | 884  | 962  | 986  | 1004 | 1201 | 1282 |
| C28  | 28   | PGA | 186  | 170  | 169  | 148  | 214  | 193  | 191  | 165  | 254  | 216  | 206  | *    |
|      |      | PGB | 286  | 285  | 334  | 346  | 327  | 324  | 380  | 392  | 417  | 394  | 463  | 460  |
|      |      | PGC | 400  | 417  | 480  | 515  | 469  | 487  | 561  | 601  | 656  | 671  | 773  | 818  |
|      |      | PGD | 583  | 617  | 734  | 803  | 680  | 718  | 854  | 932  | 957  | 987  | 1179 | 1269 |
| C32  | 31.5 | PGA | 184  | 171  | 173  | 157  | 211  | 194  | 196  | 176  | 252  | 222  | 217  | 179  |
|      |      | PGB | 279  | 283  | 332  | 348  | 319  | 322  | 377  | 394  | 411  | 399  | 468  | 475  |
|      |      | PGC | 384  | 402  | 464  | 500  | 445  | 465  | 536  | 577  | 626  | 646  | 744  | 794  |
|      |      | PGD | 560  | 598  | 710  | 781  | 647  | 690  | 819  | 900  | 917  | 959  | 1143 | 1240 |
| C36  | 35.5 | PGA | 180  | 171  | 175  | 164  | 206  | 194  | 198  | 184  | 244  | 222  | 222  | 194  |
|      |      | PGB | 271  | 280  | 328  | 348  | 311  | 320  | 374  | 369  | 395  | 393  | 461  | 477  |
|      |      | PGC | 365  | 385  | 444  | 481  | 418  | 440  | 507  | 549  | 580  | 604  | 696  | 746  |
|      |      | PGD | 534  | 576  | 683  | 755  | 612  | 658  | 781  | 862  | 854  | 905  | 1075 | 1176 |
| C40  | 40   | PGA | 174  | 167  | 172  | 164  | 201  | 192  | 197  | 186  | 237  | 219  | 221  | 199  |
|      |      | PGB | 261  | 272  | 318  | 339  | 302  | 313  | 366  | 390  | 380  | 383  | 449  | 469  |
|      |      | PGC | 345  | 364  | 420  | 456  | 399  | 422  | 486  | 527  | 546  | 571  | 658  | 710  |
|      |      | PGD | 506  | 547  | 649  | 719  | 586  | 633  | 750  | 831  | 809  | 862  | 1024 | 1124 |
| C45  | 45   | PGA | 167  | 161  | 166  | 159  | 194  | 186  | 192  | 183  | 237  | 220  | 223  | 203  |
|      |      | PGB | 250  | 261  | 306  | 327  | 291  | 303  | 355  | 379  | 378  | 384  | 450  | 472  |
|      |      | PGC | 324  | 343  | 396  | 430  | 380  | 402  | 463  | 502  | 535  | 561  | 647  | 698  |
|      |      | PGD | 475  | 516  | 611  | 678  | 557  | 603  | 714  | 792  | 793  | 847  | 1006 | 1107 |
| C50  | 50   | PGA | 166  | 164  | 171  | 170  | 190  | 187  | 195  | 193  | 241  | 232  | 240  | 231  |
|      |      | PGB | 245  | 262  | 306  | 332  | 283  | 301  | 352  | 381  | 378  | 395  | 462  | 495  |
|      |      | PGC | 315  | 337  | 388  | 424  | 358  | 382  | 441  | 481  | 530  | 561  | 647  | 703  |
|      |      | PGD | 465  | 510  | 603  | 673  | 529  | 580  | 686  | 766  | 785  | 852  | 1009 | 1120 |
| C56  | 56   | PGA | 161  | 161  | 170  | 171  | 183  | 183  | 192  | 194  | 232  | 228  | 239  | 236  |
|      |      | PGB | 238  | 257  | 300  | 329  | 271  | 292  | 341  | 373  | 361  | 384  | 449  | 487  |
|      |      | PGC | 298  | 320  | 369  | 404  | 337  | 361  | 417  | 456  | 494  | 526  | 607  | 663  |
|      |      | PGD | 441  | 486  | 574  | 644  | 499  | 550  | 650  | 728  | 735  | 805  | 952  | 1063 |
| C63  | 63   | PGA | 154  | 156  | 166  | 170  | 180  | 182  | 194  | 198  | 222  | 222  | 235  | 238  |
|      |      | PGB | 226  | 247  | 288  | 317  | 265  | 289  | 338  | 372  | 343  | 371  | 434  | 475  |
|      |      | PGC | 278  | 299  | 346  | 379  | 328  | 353  | 408  | 448  | 456  | 489  | 565  | 619  |
|      |      | PGD | 411  | 456  | 538  | 606  | 486  | 540  | 637  | 716  | 681  | 753  | 889  | 998  |
| C71  | 71   | PGA | 150  | 152  | 162  | 166  | 174  | 177  | 188  | 193  | 216  | 217  | 230  | 234  |
|      |      | PGB | 219  | 239  | 279  | 308  | 255  | 279  | 325  | 359  | 333  | 361  | 422  | 463  |
|      |      | PGC | 265  | 286  | 330  | 362  | 311  | 335  | 387  | 426  | 438  | 471  | 544  | 597  |
|      |      | PGD | 393  | 436  | 515  | 580  | 461  | 512  | 605  | 681  | 655  | 725  | 857  | 962  |
| C80  | 80   | PGA | 145  | 148  | 158  | 162  | 165  | 167  | 178  | 183  | 208  | 210  | 223  | 228  |
|      |      | PGB | 213  | 233  | 272  | 300  | 241  | 264  | 308  | 340  | 320  | 348  | 406  | 447  |
|      |      | PGC | 255  | 275  | 318  | 350  | 289  | 311  | 359  | 395  | 414  | 445  | 514  | 564  |
|      |      | PGD | 378  | 420  | 496  | 559  | 429  | 478  | 564  | 635  | 620  | 688  | 812  | 912  |
| C90  | 90   | PGA | 136  | 138  | 148  | 152  | 160  | 163  | 173  | 179  | 196  | 199  | 211  | 217  |
|      |      | PGB | 199  | 218  | 255  | 282  | 233  | 256  | 298  | 330  | 301  | 328  | 383  | 422  |
|      |      | PGC | 234  | 253  | 292  | 33   | 276  | 298  | 344  | 378  | 383  | 412  | 476  | 523  |
|      |      | PGD | 348  | 388  | 458  | 516  | 409  | 455  | 537  | 605  | 573  | 637  | 752  | 846  |
| D10  | 100  | PGA | 128  | 131  | 140  | 143  | 156  | 160  | 171  | 178  | 188  | 190  | 202  | 208  |
|      |      | PGB | 193  | 210  | 248  | 276  | 227  | 251  | 293  | 325  | 290  | 318  | 374  | 401  |
|      |      | PGC | 212  | 246  | 286  | 304  | 266  | 287  | 332  | 366  | 368  | 380  | 436  | 482  |
|      |      | PGD | 327  | 367  | 436  | 462  | 394  | 441  | 520  | 587  | 543  | 600  | 702  | 806  |
| D11  | 112  | PGA |      |      |      |      |      |      |      |      | 176  | 188  | 191  | 197  |
|      |      | PGB |      |      |      |      |      |      |      |      | 281  | 309  | 360  | 390  |
|      |      | PGC |      |      |      |      |      |      |      |      | 348  | 352  | 402  | 439  |
|      |      | PGD |      |      |      |      |      |      |      |      | 512  | 561  | 653  | 749  |

\* 敬请垂询

\* On request.



| H316 |      |      |      | H317 |      |      |      | H318 |      |      |      |     | iN   | Code |
|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |     |      |      |
|      |      |      |      | 278  | 220  | *    | *    |      |      |      |      | PGA | 14   | C14  |
|      |      |      |      | 463  | 407  | 479  | 435  |      |      |      |      | PGB |      |      |
|      |      |      |      | 874  | 883  | 949  | 986  |      |      |      |      | PGC |      |      |
|      |      |      |      | 1223 | 1231 | 1402 | 1423 |      |      |      |      | PGD |      |      |
| 271  | 201  | 176  | *    | 276  | 218  | *    | *    | 271  | 170  | *    | *    | PGA | 16   | C16  |
| 462  | 376  | 439  | 389  | 459  | 396  | 471  | 433  | 486  | 348  | 419  | 308  | PCB |      |      |
| 821  | 827  | 929  | 999  | 838  | 840  | 907  | 958  | 797  | 850  | 902  | 930  | PGC |      |      |
| 1221 | 1163 | 1392 | 1457 | 1174 | 1185 | 1362 | 1372 | 1179 | 1165 | 1354 | 1360 | PGD |      |      |
| 270  | 204  | 178  | *    | 273  | 215  | *    | *    | 274  | 179  | *    | *    | PGA | 18   | C18  |
| 459  | 381  | 443  | 401  | 456  | 390  | 460  | 426  | 481  | 354  | 426  | 335  | PGB |      |      |
| 793  | 791  | 902  | 972  | 797  | 802  | 886  | 930  | 776  | 819  | 880  | 909  | PGC |      |      |
| 1189 | 1140 | 1365 | 1426 | 1123 | 1136 | 1306 | 1310 | 1136 | 1126 | 1314 | 1331 | PGD |      |      |
| 269  | 208  | 181  | *    | 271  | 207  | *    | *    | 275  | 188  | *    | *    | PGA | 20   | C20  |
| 456  | 385  | 455  | 412  | 450  | 387  | 458  | 420  | 470  | 362  | 432  | 362  | PGB |      |      |
| 767  | 778  | 877  | 942  | 757  | 762  | 855  | 887  | 766  | 786  | 860  | 890  | PGC |      |      |
| 1148 | 1119 | 1325 | 1402 | 1058 | 1063 | 1250 | 1263 | 1106 | 1085 | 1296 | 1315 | PGD |      |      |
| 268  | 210  | 183  | *    | 270  | 206  | 180  | *    | 280  | 197  | *    | *    | PGA | 22.4 | C22  |
| 451  | 390  | 461  | 429  | 440  | 382  | 450  | 416  | 460  | 377  | 440  | 390  | PGB |      |      |
| 746  | 756  | 864  | 914  | 722  | 721  | 828  | 861  | 748  | 752  | 847  | 870  | PGC |      |      |
| 1096 | 1098 | 1296 | 1385 | 1029 | 1023 | 1228 | 1290 | 1077 | 1040 | 1257 | 1296 | PGD |      |      |
| 265  | 212  | 193  | *    | 263  | 203  | 180  | *    | 276  | 207  | *    | *    | PGA | 25   | C25  |
| 443  | 399  | 470  | 448  | 427  | 375  | 442  | 411  | 451  | 386  | 455  | 414  | PGB |      |      |
| 730  | 737  | 847  | 888  | 681  | 682  | 783  | 816  | 725  | 720  | 828  | 858  | PGC |      |      |
| 1055 | 1066 | 1277 | 1356 | 972  | 970  | 1164 | 1226 | 1033 | 1021 | 1227 | 1285 | PGD |      |      |
| 264  | 221  | 207  | *    | 265  | 215  | 198  | *    | 274  | 217  | 196  | *    | PGA | 28   | C28  |
| 434  | 404  | 475  | 466  | 425  | 387  | 455  | 439  | 441  | 394  | 464  | 439  | PGB |      |      |
| 688  | 700  | 806  | 851  | 655  | 662  | 762  | 801  | 683  | 687  | 790  | 826  | PGC |      |      |
| 999  | 1024 | 1224 | 1312 | 942  | 956  | 1145 | 1219 | 981  | 987  | 1182 | 1252 | PGD |      |      |
| 265  | 230  | 222  | 178  | 263  | 223  | 212  | *    | 276  | 230  | 216  | *    | PGA | 31.5 | C32  |
| 432  | 415  | 487  | 490  | 418  | 394  | 463  | 459  | 440  | 408  | 480  | 470  | PGB |      |      |
| 663  | 682  | 785  | 834  | 628  | 642  | 739  | 782  | 661  | 672  | 774  | 816  | PGC |      |      |
| 969  | 1008 | 1202 | 1300 | 906  | 935  | 1116 | 1200 | 952  | 975  | 1165 | 1248 | PGD |      |      |
| 264  | 237  | 235  | 201  | 255  | 226  | 221  | 184  | 274  | 239  | 232  | 187  | PGA | 35.5 | C36  |
| 425  | 420  | 493  | 507  | 401  | 391  | 459  | 467  | 433  | 417  | 489  | 493  | PGB |      |      |
| 634  | 658  | 758  | 812  | 580  | 599  | 690  | 736  | 631  | 650  | 748  | 796  | PGC |      |      |
| 934  | 984  | 1171 | 1278 | 844  | 884  | 1052 | 1144 | 916  | 954  | 1137 | 1231 | PGD |      |      |
| 253  | 231  | 232  | 205  | 247  | 223  | 221  | 190  | 264  | 235  | 231  | 194  | PGA | 40   | C40  |
| 406  | 406  | 476  | 495  | 387  | 383  | 449  | 462  | 412  | 404  | 474  | 484  | PGB |      |      |
| 587  | 612  | 706  | 758  | 548  | 570  | 656  | 702  | 584  | 605  | 697  | 744  | PGC |      |      |
| 867  | 921  | 1094 | 1199 | 799  | 843  | 1003 | 1095 | 853  | 895  | 1066 | 1160 | PGD |      |      |
| 245  | 226  | 227  | 204  | 246  | 224  | 224  | 196  | 254  | 229  | 227  | 194  | PGA | 45   | C45  |
| 390  | 393  | 460  | 481  | 383  | 382  | 448  | 464  | 397  | 392  | 460  | 473  | PGB |      |      |
| 554  | 579  | 668  | 718  | 536  | 558  | 643  | 690  | 551  | 572  | 658  | 706  | PGC |      |      |
| 817  | 871  | 1034 | 1135 | 782  | 828  | 985  | 1077 | 804  | 848  | 1009 | 1101 | PGD |      |      |
| 149  | 239  | 246  | 234  | 248  | 236  | 242  | 228  | 259  | 245  | 250  | 233  | PGA | 50   | C50  |
| 393  | 410  | 479  | 512  | 381  | 394  | 462  | 491  | 399  | 410  | 480  | 508  | PGB |      |      |
| 542  | 574  | 662  | 718  | 524  | 553  | 638  | 691  | 537  | 566  | 652  | 705  | PGC |      |      |
| 805  | 872  | 1033 | 1146 | 771  | 832  | 987  | 1092 | 793  | 853  | 1012 | 1117 | PGD |      |      |
| 250  | 245  | 256  | 252  | 240  | 234  | 243  | 237  | 258  | 250  | 260  | 252  | PGA | 56   | C56  |
| 390  | 414  | 484  | 523  | 367  | 387  | 453  | 488  | 394  | 414  | 485  | 521  | PGB |      |      |
| 535  | 570  | 658  | 718  | 491  | 522  | 602  | 656  | 528  | 560  | 646  | 703  | PGC |      |      |
| 795  | 869  | 1028 | 1147 | 723  | 789  | 934  | 1040 | 777  | 846  | 1001 | 1114 | PGD |      |      |
| 242  | 242  | 255  | 258  | 230  | 229  | 241  | 243  | 250  | 249  | 262  | 262  | PGA | 63   | C63  |
| 375  | 405  | 473  | 517  | 349  | 375  | 439  | 479  | 378  | 406  | 474  | 517  | PGB |      |      |
| 498  | 534  | 616  | 675  | 454  | 486  | 560  | 614  | 493  | 527  | 608  | 666  | PGC |      |      |
| 746  | 824  | 973  | 1091 | 672  | 741  | 876  | 981  | 730  | 804  | 950  | 1064 | PGD |      |      |
| 229  | 230  | 243  | 247  | 221  | 222  | 234  | 237  | 237  | 236  | 249  | 251  | PGA | 71   | C71  |
| 353  | 382  | 447  | 490  | 334  | 361  | 422  | 462  | 357  | 385  | 450  | 492  | PGB |      |      |
| 462  | 496  | 572  | 628  | 434  | 465  | 537  | 588  | 457  | 489  | 565  | 618  | PGC |      |      |
| 690  | 764  | 902  | 1012 | 644  | 712  | 841  | 943  | 676  | 746  | 881  | 987  | PGD |      |      |
| 222  | 224  | 237  | 242  | 213  | 214  | 227  | 230  | 228  | 228  | 241  | 244  | PGA | 80   | C80  |
| 342  | 371  | 434  | 476  | 321  | 348  | 406  | 446  | 343  | 371  | 433  | 475  | PGB |      |      |
| 444  | 477  | 550  | 605  | 410  | 440  | 508  | 557  | 437  | 469  | 541  | 594  | PGC |      |      |
| 663  | 735  | 868  | 975  | 608  | 673  | 795  | 892  | 648  | 716  | 846  | 949  | PGD |      |      |
| 215  | 217  | 234  | 236  | 201  | 203  | 215  | 219  | 219  | 220  | 233  | 237  | PGA | 90   | C90  |
| 328  | 358  | 418  | 460  | 302  | 329  | 384  | 422  | 329  | 357  | 417  | 458  | PGB |      |      |
| 419  | 450  | 521  | 572  | 379  | 407  | 470  | 516  | 413  | 444  | 512  | 562  | PGC |      |      |
| 628  | 697  | 823  | 925  | 564  | 625  | 738  | 829  | 614  | 680  | 803  | 902  | PGD |      |      |
| 203  | 207  | 221  | 229  | 192  | 194  | 205  | 210  | 208  | 212  | 226  | 233  | PGA | 100  | D10  |
| 310  | 340  | 397  | 440  | 293  | 309  | 375  | 400  | 310  | 340  | 397  | 439  | PGB |      |      |
| 387  | 418  | 483  | 532  | 360  | 378  | 443  | 481  | 382  | 412  | 476  | 524  | PGC |      |      |
| 581  | 648  | 764  | 862  | 524  | 584  | 688  | 759  | 569  | 634  | 748  | 843  | PGD |      |      |
| 192  | 197  | 211  | 218  |      |      |      |      | 197  | 202  | 215  | 228  | PGA | 112  | D11  |
| 297  | 332  | 385  | 412  |      |      |      |      | 296  | 330  | 378  | 419  | PGB |      |      |
| 378  | 402  | 454  | 492  |      |      |      |      | 367  | 380  | 452  | 490  | PGC |      |      |
| 542  | 608  | 664  | 793  |      |      |      |      | 539  | 600  | 699  | 798  | PGD |      |      |

\* 敬请垂询

\* On request.



H3 (kW)

H3 (kW)

| Code | i <sub>N</sub> |     | H319 |      |      |      | H320 |      |      |      | H321 |      |      |      | H322 |      |      |      |
|------|----------------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|      |                |     | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |
| C16  | 16             | PGA | 341  | *    | *    | *    |      |      |      |      |      |      |      |      |      |      |      |      |
| C18  | 18             | PGA | 362  | *    | *    | *    | 368  | *    | *    | *    | 367  | *    | *    | *    |      |      |      |      |
| C20  | 20             | PGA | 361  | 264  | *    | *    | 378  | *    | *    | *    | 373  | *    | *    | *    | 372  | *    | *    | *    |
| C22  | 22.4           | PGA | 325  | 232  | *    | *    | 369  | 267  | *    | *    | 350  | *    | *    | *    | 362  | *    | *    | *    |
| C25  | 25             | PGA | 323  | 234  | *    | *    | 333  | 235  | *    | *    | 363  | *    | *    | *    | 343  | *    | *    | *    |
| C28  | 28             | PGA | 326  | 252  | 222  | *    | 338  | 255  | *    | *    | 380  | *    | *    | *    | 370  | *    | *    | *    |
| C32  | 31.5           | PGA | 327  | 267  | 246  | *    | 341  | 274  | 249  | *    | 394  | 276  | *    | *    | 389  | *    | *    | *    |
| C36  | 35.5           | PGA | 325  | 279  | 268  | 208  | 342  | 290  | 276  | *    | 404  | 311  | 273  | *    | 404  | 292  | *    | *    |
| C40  | 40             | PGA | 317  | 279  | 272  | 223  | 336  | 293  | 283  | 227  | 401  | 322  | 293  | *    | 407  | 310  | 269  | *    |
| C45  | 45             | PGA | 316  | 281  | 276  | 231  | 326  | 287  | 280  | 230  | 393  | 321  | 297  | *    | 402  | 313  | 278  | *    |
| C50  | 50             | PGA | 320  | 300  | 304  | 280  | 332  | 309  | 313  | 285  | 410  | 365  | 360  | 303  | 410  | 356  | 344  | 274  |
| C56  | 56             | PGA | 311  | 300  | 310  | 298  | 332  | 319  | 329  | 315  | 401  | 374  | 379  | 347  | 421  | 386  | 387  | 343  |
| C63  | 63             | PGA | 295  | 293  | 307  | 307  | 324  | 320  | 336  | 334  | 393  | 382  | 397  | 386  | 413  | 398  | 411  | 394  |
| C71  | 71             | PGA | 292  | 290  | 306  | 307  | 303  | 301  | 316  | 317  | 373  | 365  | 381  | 374  | 397  | 385  | 400  | 387  |
| C80  | 80             | PGA | 277  | 277  | 292  | 295  | 299  | 299  | 315  | 317  |      |      |      |      | 377  | 368  | 384  | 376  |
| C90  | 90             | PGA |      |      |      |      | 283  | 284  | 300  | 304  |      |      |      |      |      |      |      |      |

\* 敬请垂询

\* On request.

| H323 |      |      |      | H324 |      |      |      | H325 |      |      |      | H326 |      |      |      |     | i <sub>N</sub> | Code |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|----------------|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |     |                |      |
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | PGA | 16             | C16  |
| *    | *    | *    | *    |      |      |      |      | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 18             | C18  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 20             | C20  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 22.4           | C22  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 25             | C25  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 28             | C28  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 31.5           | C32  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 35.5           | C36  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 40             | C40  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 45             | C45  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 50             | C50  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 56             | C56  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 63             | C63  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 71             | C71  |
|      |      |      |      | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 80             | C80  |
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | PGA | 90             | C90  |

\* 敬请垂询

\* On request.

H4 (kW)

H4 (kW)

| Code | iN  |     | H407 |      |      |      | H408 |      |      |      | H409 |      |      |      |
|------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|
|      |     |     | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |
| C71  | 71  | PGA | 48.7 | 49.5 | 53.2 | 56.7 | 56.9 | 76.1 | 82.4 | 84.2 | 70.7 | 72.5 | 75   | 77.3 |
| C80  | 80  | PGA | 47.1 | 48.7 | 51.1 | 54.8 | 55.2 | 56.9 | 78.6 | 82.4 | 67.6 | 70.7 | 72.5 | 75   |
| C90  | 90  | PGA | 45.4 | 47.1 | 49.5 | 53.2 | 52.5 | 55.2 | 76.1 | 78.6 | 65.1 | 67.6 | 70.7 | 72.5 |
| D10  | 100 | PGA | 43.6 | 45.4 | 48.7 | 51.1 | 50.5 | 52.5 | 56.9 | 76.1 | 60.8 | 65.1 | 67.6 | 70.7 |
| D11  | 112 | PGA | 42   | 43.9 | 47.1 | 49.5 | 49   | 50.5 | 55.2 | 56.9 | 58.2 | 60.6 | 65.1 | 68.2 |
| D13  | 125 | PGA | 40.8 | 42.7 | 45.8 | 48.1 | 46.8 | 49   | 52.5 | 55.2 | 56.4 | 58.8 | 63.1 | 66.3 |
| D14  | 140 | PGA | 38.7 | 40.6 | 43.5 | 45.9 | 44.9 | 47.1 | 50.5 | 53.2 | 54.6 | 57.1 | 61.3 | 64.5 |
| D16  | 160 | PGA | 37.2 | 39.1 | 41.9 | 44.2 | 43.6 | 45.7 | 49.1 | 51.7 | 51.6 | 54.1 | 58   | 61.1 |
| D18  | 180 | PGA | 35.8 | 37.7 | 40.4 | 42.7 | 41.4 | 43.6 | 46.7 | 49.4 | 49.4 | 52   | 55.8 | 58.9 |
| D20  | 200 | PGA | 34.4 | 36.3 | 38.9 | 41.2 | 39.9 | 42   | 45.1 | 47.7 | 47.8 | 50.3 | 54   | 57.1 |
| D22  | 224 | PGA | 32.4 | 34.2 | 36.7 | 38.9 | 38.2 | 40.3 | 43.2 | 45.7 | 45.9 | 48.4 | 52   | 55   |
| D25  | 250 | PGA | 31   | 32.7 | 35.1 | 37.1 | 37   | 39   | 41.9 | 44.3 | 43.8 | 46.2 | 49.6 | 52.5 |
| D28  | 280 | PGA | 30.1 | 31.7 | 34   | 36   | 34.7 | 36.6 | 39.3 | 41.6 | 42.5 | 44.9 | 48.2 | 51   |
| D32  | 315 | PGA | 29.4 | 31.1 | 33.3 | 35.3 | 33.3 | 35.1 | 37.6 | 39.8 | 40.5 | 42.8 | 45.9 | 48.6 |
| D36  | 355 | PGA |      |      |      |      |      |      |      |      | 39.8 | 42   | 45.1 | 47.7 |
| D40  | 400 | PGA |      |      |      |      |      |      |      |      | 37.9 | 40   | 43   | 45.5 |

| H410 |      |      |      | H411 |      |       |       | H412 |      |      |      |     | iN  | Code |
|------|------|------|------|------|------|-------|-------|------|------|------|------|-----|-----|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450  | 1740  | 960  | 1150 | 1450 | 1740 |     |     |      |
| 73.5 | 76.4 | 81.5 | 83.9 | 95.5 | 99.1 | 105.1 | 113.1 | 110  | 115  | 127  | 135  | PGA | 71  | C71  |
| 71.7 | 73.5 | 78.7 | 81.5 | 92.4 | 99.1 | 102   | 108.7 | 110  | 115  | 122  | 131  | PGA | 80  | C80  |
| 68.3 | 71.7 | 76.4 | 78.7 | 92.4 | 95.5 | 103   | 105.1 | 106  | 110  | 119  | 127  | PGA | 90  | C90  |
| 65.6 | 68.3 | 73.5 | 76.4 | 90.1 | 92.4 | 99.1  | 102   | 103  | 110  | 115  | 122  | PGA | 100 | D10  |
| 63.7 | 65.6 | 71.7 | 73.5 | 89.4 | 92.4 | 99.1  | 103   | 102  | 106  | 115  | 119  | PGA | 112 | D11  |
| 61.1 | 63.7 | 68.3 | 71.7 | 85.8 | 89   | 95.5  | 99.8  | 99.7 | 103  | 110  | 115  | PGA | 125 | D13  |
| 58.5 | 61.1 | 65.6 | 69   | 83   | 86.5 | 92.8  | 97.3  | 98.9 | 102  | 110  | 115  | PGA | 140 | D14  |
| 56.7 | 59.4 | 63.7 | 67.1 | 79   | 82.5 | 88.5  | 93    | 95.3 | 99.4 | 106  | 111  | PGA | 160 | D16  |
| 54.9 | 57.7 | 61.9 | 65.3 | 76.2 | 80   | 85.8  | 90.4  | 91.8 | 96.2 | 103  | 108  | PGA | 180 | D18  |
| 51.8 | 54.5 | 58.5 | 61.9 | 72   | 75.7 | 81.3  | 85.8  | 87.6 | 92.1 | 98.9 | 104  | PGA | 200 | D20  |
| 49.6 | 52.4 | 56.2 | 59.5 | 69   | 72.8 | 78.1  | 82.7  | 84.4 | 89   | 95.5 | 101  | PGA | 224 | D22  |
| 48.2 | 50.8 | 54.5 | 57.7 | 65.6 | 69.2 | 74.2  | 78.5  | 79.7 | 84   | 90.2 | 95.4 | PGA | 250 | D25  |
| 46.2 | 48.7 | 52.3 | 55.3 | 63.1 | 66.6 | 71.4  | 75.6  | 76.7 | 80.9 | 86.8 | 91.8 | PGA | 280 | D28  |
| 44.1 | 46.5 | 49.9 | 52.8 | 61.6 | 64.9 | 69.7  | 73.7  | 72.7 | 76.7 | 82.2 | 87   | PGA | 315 | D32  |
| 42.8 | 45.2 | 48.5 | 51.3 | 58.6 | 61.8 | 66.3  | 70.1  | 69.9 | 73.8 | 79.2 | 83.8 | PGA | 355 | D36  |
| 40.8 | 43.1 | 46.2 | 48.9 | 55.9 | 58.9 | 63.2  | 66.8  | 68.3 | 72   | 77.3 | 81.8 | PGA | 400 | D40  |

H4 (kW)

H4 (kW)

| Code | iN  |     | H413 |      |      |      | H414 |      |      |      | H415 |      |      |      |
|------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|
|      |     |     | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |
| C63  | 63  | PGA |      |      |      |      |      |      |      |      |      |      |      |      |
| C71  | 71  | PGA | 130  | 133  | 136  | 144  | 147  | 151  | 162  | 173  | 180  | 187  | 196  | 199  |
| C80  | 80  | PGA | 127  | 130  | 134  | 141  | 143  | 148  | 158  | 169  | 174  | 180  | 191  | 193  |
| C90  | 90  | PGA | 123  | 126  | 133  | 138  | 139  | 144  | 154  | 162  | 168  | 175  | 183  | 187  |
| D10  | 100 | PGA | 120  | 121  | 130  | 134  | 136  | 141  | 149  | 158  | 161  | 160  | 172  | 174  |
| D11  | 112 | PGA | 117  | 120  | 129  | 133  | 132  | 136  | 146  | 153  | 154  | 156  | 167  | 141  |
| D13  | 125 | PGA | 114  | 117  | 126  | 131  | 128  | 132  | 142  | 147  | 149  | 152  | 163  | 168  |
| D14  | 140 | PGA | 110  | 114  | 123  | 128  | 125  | 129  | 139  | 145  | 144  | 148  | 158  | 165  |
| D16  | 160 | PGA | 104  | 108  | 116  | 122  | 121  | 126  | 135  | 142  | 138  | 143  | 153  | 160  |
| D18  | 180 | PGA | 100  | 105  | 113  | 119  | 118  | 123  | 132  | 139  | 136  | 142  | 152  | 160  |
| D20  | 200 | PGA | 98.2 | 103  | 110  | 116  | 111  | 117  | 126  | 133  | 132  | 139  | 149  | 157  |
| D22  | 224 | PGA | 93.7 | 98.8 | 106  | 112  | 107  | 113  | 121  | 128  | 123  | 130  | 140  | 148  |
| D25  | 250 | PGA | 89.1 | 94   | 100  | 106  | 104  | 110  | 118  | 125  | 117  | 123  | 132  | 140  |
| D28  | 280 | PGA | 86.3 | 91.1 | 97.7 | 103  | 99.1 | 104  | 112  | 118  | 113  | 120  | 128  | 136  |
| D32  | 315 | PGA | 82.8 | 87.3 | 93.7 | 99.1 | 95.5 | 100  | 108  | 114  | 108  | 114  | 122  | 129  |
| D36  | 355 | PGA | 78.9 | 83.3 | 89.4 | 94.6 | 91.9 | 96.9 | 104  | 110  | 106  | 112  | 120  | 127  |
| D40  | 400 | PGA | 75.6 | 80.9 | 86   | 90.1 | 88.3 | 93.2 | 100  | 105  | 103  | 104  | 116  | 123  |
| D45  | 450 | PGA | 72.9 | 78.8 | 82.3 | 88.2 | 84.2 | 88.8 | 95.3 | 100  | 97.7 | 102  | 111  | 117  |

| H416 |      |      |      | H417 |      |      |      | H418 |      |      |      |     | iN  | Code |
|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |     |     |      |
|      |      |      |      | 206  | 210  | 215  | 218  |      |      |      |      | PGA | 63  | C63  |
| 193  | 200  | 210  | 215  | 199  | 203  | 210  | 213  | 211  | 214  | 225  | 228  | PGA | 71  | C71  |
| 187  | 193  | 204  | 206  | 193  | 195  | 202  | 205  | 206  | 210  | 221  | 223  | PGA | 80  | C80  |
| 180  | 187  | 196  | 203  | 185  | 190  | 195  | 197  | 199  | 204  | 213  | 215  | PGA | 90  | C90  |
| 171  | 175  | 186  | 192  | 180  | 178  | 190  | 191  | 191  | 193  | 205  | 209  | PGA | 100 | D10  |
| 166  | 167  | 179  | 183  | 173  | 173  | 186  | 189  | 185  | 185  | 198  | 201  | PGA | 112 | D11  |
| 160  | 162  | 174  | 179  | 167  | 169  | 181  | 186  | 177  | 179  | 192  | 197  | PGA | 125 | D13  |
| 153  | 158  | 169  | 175  | 161  | 164  | 176  | 183  | 171  | 175  | 188  | 194  | PGA | 140 | D14  |
| 148  | 153  | 164  | 171  | 154  | 159  | 171  | 178  | 165  | 170  | 182  | 190  | PGA | 160 | D16  |
| 142  | 148  | 159  | 167  | 151  | 157  | 169  | 177  | 158  | 165  | 177  | 185  | PGA | 180 | D18  |
| 139  | 146  | 157  | 165  | 146  | 153  | 164  | 173  | 156  | 163  | 175  | 184  | PGA | 200 | D20  |
| 136  | 144  | 154  | 163  | 136  | 144  | 154  | 163  | 151  | 159  | 170  | 180  | PGA | 224 | D22  |
| 126  | 133  | 143  | 151  | 130  | 137  | 147  | 155  | 141  | 148  | 159  | 168  | PGA | 250 | D25  |
| 120  | 126  | 135  | 143  | 126  | 133  | 143  | 151  | 133  | 141  | 151  | 160  | PGA | 280 | D28  |
| 116  | 122  | 131  | 139  | 121  | 127  | 136  | 144  | 130  | 137  | 147  | 155  | PGA | 315 | D32  |
| 111  | 118  | 126  | 134  | 118  | 124  | 133  | 141  | 124  | 131  | 141  | 149  | PGA | 355 | D36  |
| 109  | 115  | 123  | 130  | 115  | 120  | 129  | 136  | 121  | 128  | 138  | 146  | PGA | 400 | D40  |
| 102  | 109  | 116  | 123  |      |      |      |      | 116  | 125  | 130  | 139  | PGA | 450 | D45  |

H4 (kW)

H4 (kW)

| Code | iN  |     | H419 |      |      |      | H420 |      |      |      | H421 |      |      |      | H422 |      |      |      |
|------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|      |     |     | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |
| C63  | 63  | PGA |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| C71  | 71  | PGA | 292  | 290  | 306  | 307  | 303  | 301  | 316  | 317  | 373  | 365  | 381  | 374  | 397  | 385  | 400  | 387  |
| C80  | 80  | PGA | 277  | 277  | 292  | 295  | 299  | 299  | 315  | 317  | 358  | 352  | 369  | 365  | 377  | 368  | 384  | 376  |
| C90  | 90  | PGA | 263  | 264  | 280  | 284  | 283  | 284  | 300  | 304  | 349  | 345  | 363  | 362  | 361  | 355  | 372  | 368  |
| D10  | 100 | PGA | 253  | 246  | 264  | 263  | 272  | 276  | 294  | 303  | 346  | 325  | 348  | 335  | 356  | 358  | 379  | 385  |
| D11  | 112 | PGA | 243  | 241  | 259  | 262  | 260  | 257  | 276  | 279  | 340  | 329  | 352  | 349  | 350  | 335  | 358  | 351  |
| D13  | 125 | PGA | 235  | 237  | 254  | 259  | 249  | 250  | 268  | 273  | 330  | 325  | 348  | 350  | 344  | 335  | 359  | 358  |
| D14  | 140 | PGA | 227  | 231  | 248  | 255  | 241  | 245  | 263  | 271  | 313  | 314  | 336  | 343  | 334  | 332  | 356  | 361  |
| D16  | 160 | PGA | 218  | 224  | 240  | 249  | 232  | 238  | 255  | 265  | 301  | 305  | 327  | 336  | 317  | 319  | 342  | 350  |
| D18  | 180 | PGA | 208  | 216  | 232  | 243  | 224  | 232  | 249  | 261  | 297  | 306  | 329  | 342  | 304  | 313  | 335  | 348  |
| D20  | 200 | PGA | 201  | 211  | 226  | 238  | 214  | 224  | 240  | 253  | 280  | 292  | 314  | 329  | 300  | 313  | 335  | 352  |
| D22  | 224 | PGA | 193  | 204  | 219  | 232  | 206  | 217  | 233  | 247  | 268  | 283  | 303  | 321  | 283  | 299  | 321  | 340  |
| D25  | 250 | PGA | 183  | 193  | 208  | 220  | 198  | 209  | 224  | 237  | 253  | 267  | 287  | 304  | 270  | 285  | 305  | 323  |
| D28  | 280 | PGA | 176  | 186  | 199  | 211  | 188  | 198  | 213  | 225  | 243  | 257  | 276  | 292  | 255  | 269  | 289  | 306  |
| D32  | 315 | PGA | 172  | 182  | 195  | 207  | 181  | 191  | 204  | 216  | 233  | 246  | 264  | 280  | 245  | 259  | 278  | 294  |
| D36  | 355 | PGA | 164  | 173  | 186  | 197  | 177  | 187  | 200  | 212  | 222  | 235  | 252  | 267  | 236  | 249  | 267  | 283  |
| D40  | 400 | PGA |      |      |      |      | 168  | 177  | 190  | 201  | *    | *    | *    | *    | 225  | 238  | 255  | 270  |
| D45  | 450 | PGA |      |      |      |      | *    | *    | *    | *    |      |      |      |      | *    | *    | *    | *    |

\* 敬请垂询

\* On request.

| H423 |      |      |      | H424 |      |      |      | H425 |      |      |      | H426 |      |      |      |     | iN  | Code |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |     |     |      |
| *    | *    | *    | *    |      |      |      |      | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 63  | C63  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 71  | C71  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 80  | C80  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 90  | C90  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 100 | D10  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 112 | D11  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 125 | D13  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 140 | D14  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 160 | D16  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 180 | D18  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 200 | D20  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 224 | D22  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 250 | D25  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 280 | D28  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 315 | D32  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 355 | D36  |
| *    | *    | *    | *    | *    | *    | *    | *    |      |      |      |      |      |      |      |      | PGA | 400 | D40  |
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | PGA | 450 | D45  |

\* 敬请垂询

\* On request.



| Code | iN   |     | B2 (kW) |       |      |      |      |      |       |      | B2 (kW) |      |      |      |      |      |      |      |      |      |      |      |
|------|------|-----|---------|-------|------|------|------|------|-------|------|---------|------|------|------|------|------|------|------|------|------|------|------|
|      |      |     | B204    |       |      |      | B205 |      |       |      | B206    |      |      |      | B207 |      |      |      | B208 |      |      |      |
|      |      |     | 960     | 1150  | 1450 | 1740 | 960  | 1150 | 1450  | 1740 | 960     | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |
| B50  | 5    | PGA | 41      | 40    | 30   | *    | 50   | 45   | *     | *    |         |      |      |      | 66   | 56   | *    | *    |      |      |      |      |
|      |      | PGB | 113     | 132   | 139  | 149  | 145  | 178  | 184   | 193  |         |      |      |      | 246  | 276  | 283  | 283  |      |      |      |      |
|      |      | PGC | 110     | 122   | 127  | 136  | 148  | 182  | 190   | 184  |         |      |      |      | 255  | 282  | 294  | 306  |      |      |      |      |
|      |      | PGD | 194     | 228   | 249  | 276  | 263  | 338  | 336   | 376  |         |      |      |      | 468  | 538  | 581  | 630  |      |      |      |      |
| B56  | 5.6  | PGA | 41      | 40    | 33   | *    | 49   | 48   | 37    | *    |         |      |      |      | 67   | 60   | *    | *    |      |      |      |      |
|      |      | PGB | 109     | 128   | 135  | 147  | 137  | 177  | 169   | 185  |         |      |      |      | 232  | 265  | 274  | 282  |      |      |      |      |
|      |      | PGC | 106     | 118   | 123  | 131  | 137  | 178  | 159   | 185  |         |      |      |      | 234  | 261  | 272  | 285  |      |      |      |      |
|      |      | PGD | 187     | 221   | 241  | 268  | 243  | 330  | 313   | 359  |         |      |      |      | 432  | 501  | 543  | 593  |      |      |      |      |
| B63  | 6.3  | PGA | 40      | 40    | 34   | 26   | 50   | 50   | *     | *    | 58      | 55   | *    | *    | 64   | 60   | *    | *    | 76   | 69   | *    | *    |
|      |      | PGB | 105     | 125   | 132  | 144  | 145  | 145  | 178   | 193  | 170     | 197  | 215  | 232  | 216  | 249  | 261  | 279  | 261  | 298  | 314  | 332  |
|      |      | PGC | 101     | 113   | 118  | 126  | 148  | 165  | 174   | 184  | 211     | 234  | 260  | 275  | 213  | 236  | 248  | 262  | 310  | 345  | 362  | 380  |
|      |      | PGD | 179     | 212   | 231  | 258  | 263  | 308  | 339   | 376  | 359     | 419  | 484  | 536  | 393  | 458  | 500  | 553  | 548  | 636  | 695  | 765  |
| B71  | 7.1  | PGA | 38      | 39    | 35   | 29   | 49   | 48   | 37    | *    | 59      | 57   | 43   | *    | 63   | 61   | *    | *    | 76   | 71   | *    | *    |
|      |      | PGB | 99      | 117   | 125  | 136  | 137  | 161  | 169   | 182  | 166     | 194  | 204  | 219  | 203  | 237  | 248  | 263  | 246  | 285  | 298  | 313  |
|      |      | PGC | 93      | 103   | 108  | 116  | 137  | 152  | 159   | 170  | 206     | 229  | 238  | 254  | 195  | 218  | 227  | 241  | 286  | 318  | 331  | 350  |
|      |      | PGD | 164     | 194   | 213  | 238  | 243  | 286  | 313   | 347  | 349     | 410  | 447  | 495  | 362  | 424  | 462  | 511  | 506  | 590  | 642  | 707  |
| B80  | 8    | PGA | 36      | 37    | 34   | 30   | 47   | 47   | 38    | *    | 57      | 57   | 45   | *    | 61   | 60   | 45   | *    | 73   | 71   | *    | *    |
|      |      | PGB | 92.9    | 110   | 117  | 129  | 128  | 151  | 160   | 173  | 157     | 185  | 195  | 211  | 192  | 225  | 236  | 253  | 229  | 267  | 280  | 298  |
|      |      | PGC | 86      | 95    | 99   | 106  | 126  | 140  | 146   | 156  | 190     | 211  | 221  | 235  | 181  | 202  | 210  | 223  | 258  | 287  | 300  | 318  |
|      |      | PGD | 152     | 181   | 198  | 222  | 225  | 265  | 290   | 323  | 324     | 382  | 417  | 464  | 336  | 395  | 430  | 477  | 459  | 539  | 586  | 649  |
| B90  | 9    | PGA | 35      | 36    | 33   | 30   | 45   | 45   | 39    | 31   | 55      | 55   | 46   | *    | 60   | 59   | 47   | *    | 70   | 69   | 52   | *    |
|      |      | PGB | 87.8    | 105   | 111  | 123  | 121  | 144  | 153   | 166  | 148     | 176  | 186  | 202  | 182  | 214  | 226  | 244  | 215  | 253  | 266  | 285  |
|      |      | PGC | 79      | 88    | 92   | 98   | 115  | 129  | 134   | 144  | 174     | 194  | 202  | 217  | 170  | 189  | 197  | 210  | 238  | 265  | 277  | 294  |
|      |      | PGD | 141     | 167   | 183  | 206  | 206  | 244  | 267   | 298  | 299     | 353  | 386  | 430  | 316  | 373  | 407  | 453  | 424  | 498  | 543  | 603  |
| C10  | 10   | PGA | 29      | 30    | 29   | 26   | 42   | 43   | 37    | 31   | 52      | 53   | 45   | 37   | 56   | 57   | 47   | *    | 67   | 67   | 53   | *    |
|      |      | PGB | 72.8    | 87.1  | 92.8 | 102  | 111  | 132  | 140   | 154  | 138     | 164  | 174  | 190  | 169  | 199  | 211  | 229  | 202  | 238  | 251  | 271  |
|      |      | PGC | 63      | 70    | 74   | 79   | 103  | 115  | 120   | 129  | 160     | 179  | 186  | 200  | 154  | 171  | 179  | 191  | 219  | 244  | 254  | 271  |
|      |      | PGD | 112     | 134   | 147  | 164  | 185  | 219  | 240   | 268  | 276     | 326  | 356  | 398  | 288  | 340  | 372  | 414  | 392  | 462  | 505  | 561  |
| C11  | 11.2 | PGA | 28      | 30    | 28   | 26   | 38   | 39   | 34    | 29   | 50      | 50   | 44   | 37   | 51   | 51   | 43   | 34   | 65   | 65   | 53   | 49   |
|      |      | PGB | 70.3    | 84.3  | 89.8 | 99   | 99.5 | 118  | 125   | 137  | 131     | 155  | 165  | 180  | 150  | 177  | 188  | 204  | 192  | 227  | 240  | 259  |
|      |      | PGC | 60      | 67    | 70   | 75   | 90   | 101  | 105   | 113  | 146     | 163  | 170  | 183  | 134  | 150  | 156  | 167  | 206  | 229  | 238  | 255  |
|      |      | PGD | 107     | 128   | 140  | 157  | 162  | 192  | 210   | 235  | 252     | 298  | 327  | 365  | 252  | 298  | 326  | 363  | 368  | 434  | 474  | 528  |
| C13  | 12.5 | PGA | 26      | 27    | 26   | 24   | 36   | 37   | 34    | 29   | 46      | 47   | 43   | 37   | 47   | 48   | 42   | 34   | 61   | 62   | 52   | 41   |
|      |      | PGB | 63      | 75.4  | 80.2 | 88.1 | 94   | 112  | 118.5 | 130  | 119     | 142  | 151  | 166  | 136  | 162  | 172  | 188  | 179  | 212  | 224  | 244  |
|      |      | PGC | 53      | 59    | 61   | 66   | 82   | 92   | 96    | 103  | 130     | 146  | 151  | 162  | 120  | 134  | 138  | 148  | 187  | 209  | 218  | 233  |
|      |      | PGD | 93.7    | 112   | 123  | 138  | 148  | 176  | 192.9 | 216  | 225     | 267  | 292  | 327  | 225  | 267  | 291  | 325  | 337  | 398  | 435  | 485  |
| C14  | 14   | PGA | 24      | 26    | 25   | 24   | 34   | 35   | 32    | 29   | 42      | 43   | 39   | 34   | 43   | 43   | 38   | 31   | 55   | 56   | 49   | 40   |
|      |      | PGB | 59.8    | 71.2  | 76   | 83.4 | 85.8 | 102  | 108   | 120  | 106     | 127  | 135  | 149  | 121  | 145  | 154  | 169  | 159  | 189  | 200  | 218  |
|      |      | PGC | 48      | 54    | 56   | 60   | 74   | 82   | 85    | 91   | 114     | 127  | 133  | 142  | 105  | 117  | 122  | 130  | 164  | 182  | 190  | 204  |
|      |      | PGD | 85.6    | 102.6 | 113  | 126  | 132  | 157  | 172   | 193  | 196     | 232  | 255  | 285  | 196  | 232  | 254  | 283  | 293  | 347  | 380  | 424  |

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\* On request.

| B209 |      |      |      | B210 |      |      |      | B211 |      |      |      | B212 |      |      |      |     | iN   | Code |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |     |      |      |
| 74   | *    | *    | *    |      |      |      |      | *    | *    | *    | *    |      |      |      |      | PGA | 5    | B50  |
| 297  | 325  | 328  | 313  |      |      |      |      | 487  | 500  | 478  | 392  |      |      |      |      | PGB |      |      |
| 318  | 353  | 367  | 376  |      |      |      |      | 542  | 595  | 619  | 612  |      |      |      |      | PGC |      |      |
| 578  | 657  | 705  | 753  |      |      |      |      | 984  | 1085 | 1144 | 1174 |      |      |      |      | PGD |      |      |
| 77   | 64   | *    | *    |      |      |      |      | 102  | *    | *    | *    |      |      |      |      | PGA | 5.6  | B56  |
| 282  | 316  | 322  | 321  |      |      |      |      | 481  | 512  | 504  | 453  |      |      |      |      | PGB |      |      |
| 294  | 325  | 339  | 351  |      |      |      |      | 514  | 567  | 590  | 595  |      |      |      |      | PGC |      |      |
| 535  | 614  | 662  | 716  |      |      |      |      | 943  | 1058 | 1126 | 1182 |      |      |      |      | PGD |      |      |
| 76   | 67   | *    | *    | 84   | 71   | *    | *    | 104  | *    | *    | *    | 121  | *    | *    | *    | PGA | 6.3  | B63  |
| 265  | 301  | 315  | 330  | 300  | 337  | 354  | 367  | 441  | 480  | 479  | 514  | 556  | 591  | 581  | 606  | PGB |      |      |
| 266  | 296  | 309  | 323  | 368  | 408  | 426  | 445  | 453  | 500  | 521  | 565  | 781  | 861  | 896  | 954  | PGC |      |      |
| 489  | 566  | 617  | 676  | 643  | 740  | 809  | 884  | 834  | 944  | 1010 | 1161 | 1340 | 1500 | 1596 | 1795 | PGD |      |      |
| 76   | 70   | *    | *    | 84   | 76   | *    | *    | 112  | 92   | *    | *    | 134  | *    | *    | *    | PGA | 7.1  | B71  |
| 250  | 288  | 299  | 311  | 284  | 325  | 336  | 346  | 436  | 485  | 493  | 485  | 546  | 598  | 601  | 572  | PGB |      |      |
| 245  | 272  | 283  | 298  | 338  | 374  | 390  | 410  | 436  | 483  | 503  | 520  | 745  | 823  | 858  | 878  | PGC |      |      |
| 451  | 525  | 570  | 625  | 594  | 689  | 747  | 817  | 808  | 925  | 996  | 1073 | 1278 | 1451 | 1556 | 1659 | PGD |      |      |
| 74   | 71   | *    | *    | 83   | 78   | *    | *    | 110  | 95   | *    | *    | 132  | 108  | *    | *    | PGA | 8    | B80  |
| 237  | 274  | 287  | 302  | 267  | 308  | 321  | 336  | 400  | 451  | 463  | 467  | 498  | 555  | 564  | 556  | PGB |      |      |
| 226  | 252  | 262  | 278  | 306  | 341  | 355  | 374  | 386  | 428  | 446  | 464  | 654  | 723  | 754  | 778  | PGC |      |      |
| 419  | 490  | 533  | 588  | 541  | 631  | 686  | 754  | 719  | 830  | 896  | 973  | 1129 | 1293 | 1392 | 1500 | PGD |      |      |
| 73   | 71   | 51   | *    | 81   | 77   | *    | *    | 110  | 99   | *    | *    | 138  | 119  | *    | *    | PGA | 9    | B90  |
| 226  | 264  | 277  | 295  | 251  | 292  | 306  | 324  | 383  | 437  | 452  | 465  | 490  | 554  | 568  | 574  | PGB |      |      |
| 214  | 238  | 248  | 263  | 282  | 314  | 327  | 346  | 363  | 404  | 421  | 441  | 633  | 702  | 732  | 762  | PGC |      |      |
| 396  | 465  | 507  | 561  | 500  | 585  | 637  | 703  | 679  | 788  | 853  | 933  | 1094 | 1261 | 1363 | 1480 | PGD |      |      |
| 70   | 68   | 52   | *    | 78   | 76   | 54   | *    | 106  | 98   | *    | *    | 130  | 116  | *    | *    | PGA | 10   | C10  |
| 212  | 249  | 261  | 280  | 237  | 277  | 291  | 310  | 359  | 413  | 429  | 447  | 447  | 508  | 525  | 537  | PGB |      |      |
| 195  | 218  | 227  | 242  | 260  | 290  | 302  | 320  | 334  | 370  | 386  | 406  | 560  | 622  | 648  | 678  | PGC |      |      |
| 363  | 426  | 465  | 516  | 462  | 542  | 591  | 654  | 626  | 729  | 791  | 868  | 972  | 1126 | 1218 | 1329 | PGD |      |      |
| 63   | 63   | 49   | 55   | 76   | 74   | 55   | *    | 97   | 90   | *    | *    | 128  | 116  | *    | *    | PGA | 11.2 | C11  |
| 187  | 220  | 232  | 250  | 226  | 265  | 279  | 299  | 318  | 367  | 382  | 401  | 426  | 488  | 506  | 522  | PGB |      |      |
| 170  | 189  | 197  | 210  | 246  | 273  | 285  | 303  | 289  | 321  | 334  | 353  | 527  | 586  | 611  | 641  | PGC |      |      |
| 316  | 372  | 406  | 451  | 438  | 514  | 561  | 622  | 543  | 633  | 688  | 757  | 918  | 1066 | 1156 | 1265 | PGD |      |      |
| 60   | 60   | 49   | 46   | 72   | 72   | 57   | *    | 93   | 88   | *    | *    | 123  | 115  | *    | *    | PGA | 12.5 | C12  |
| 174  | 205  | 217  | 200  | 212  | 250  | 264  | 284  | 298  | 346  | 405  | 381  | 400  | 462  | 481  | 503  | PGB |      |      |
| 154  | 172  | 180  | 191  | 224  | 250  | 261  | 278  | 263  | 294  | 306  | 323  | 483  | 538  | 561  | 590  | PGC |      |      |
| 289  | 341  | 373  | 414  | 401  | 472  | 515  | 573  | 497  | 581  | 632  | 697  | 845  | 985  | 1070 | 1176 | PGD |      |      |
| 54   | 54   | 46   | 45   | 65   | 65   | 54   | *    | 84   | 80   | *    | *    | 111  | 106  | *    | *    | PGA | 14   | C13  |
| 155  | 183  | 194  | 179  | 189  | 223  | 236  | 255  | 266  | 309  | 362  | 342  | 353  | 409  | 428  | 451  | PGB |      |      |
| 135  | 150  | 158  | 167  | 194  | 217  | 226  | 242  | 229  | 255  | 266  | 282  | 418  | 464  | 484  | 512  | PGC |      |      |
| 251  | 297  | 326  | 362  | 348  | 411  | 449  | 500  | 431  | 506  | 551  | 608  | 733  | 856  | 931  | 1027 | PGD |      |      |

\* 敬请垂询

\* On request.

| Code | iN    |     | B2 (kW) |      |      |      | B2 (kW) |      |      |      | B2 (kW) |      |      |      |
|------|-------|-----|---------|------|------|------|---------|------|------|------|---------|------|------|------|
|      |       |     | B213    |      |      |      | B214    |      |      |      | B215    |      |      |      |
|      |       |     | 960     | 1150 | 1450 | 1740 | 960     | 1150 | 1450 | 1740 | 960     | 1150 | 1450 | 1740 |
| B63  | 6. 3  | PGA | *       | *    | *    | *    | *       | *    | *    | *    | *       | *    | *    | *    |
|      |       | PGB | 906     | 996  | 1036 | 1028 | 1129    | 1241 | 1290 | 1274 | 1302    | 1422 | 1478 | 1406 |
|      |       | PGC | 1132    | 1245 | 1295 | 1285 | 1411    | 1551 | 1613 | 1592 | 1627    | 1778 | 1847 | 1758 |
|      |       | PGD | 1574    | 1740 | 1839 | 1894 | 1954    | 2150 | 2267 | 2322 | 2168    | 2311 | 2393 | 2342 |
| B71  | 7. 1  | PGA | 128     | *    | *    | *    | 150     | *    | *    | *    | *       | *    | *    | *    |
|      |       | PGB | 637     | 683  | 676  | 616  | 768     | 817  | 804  | 721  | 756     | 762  | 720  | 563  |
|      |       | PGC | 878     | 969  | 1009 | 1020 | 1082    | 1193 | 1242 | 1251 | 1206    | 1324 | 1378 | 1350 |
|      |       | PGD | 1541    | 1733 | 1848 | 1946 | 1895    | 2124 | 2261 | 2371 | 2028    | 2218 | 2331 | 2367 |
| B80  | 8     | PGA | 131     | *    | *    | *    | 154     | *    | *    | *    | *       | *    | *    | *    |
|      |       | PGB | 588     | 643  | 646  | 616  | 705     | 767  | 768  | 723  | 705     | 735  | 713  | 609  |
|      |       | PGC | 782     | 865  | 901  | 922  | 948     | 1047 | 1091 | 1113 | 1085    | 1194 | 1242 | 1239 |
|      |       | PGD | 1375    | 1562 | 1674 | 1785 | 1663    | 1884 | 2016 | 2143 | 1830    | 2032 | 2152 | 2230 |
| B90  | 9     | PGA | 135     | 111  | *    | *    | 164     | *    | *    | *    | 144     | *    | *    | *    |
|      |       | PGB | 565     | 630  | 640  | 630  | 699     | 775  | 785  | 766  | 684     | 732  | 724  | 658  |
|      |       | PGC | 731     | 810  | 844  | 872  | 922     | 1020 | 1063 | 1095 | 1026    | 1132 | 1179 | 1191 |
|      |       | PGD | 1296    | 1484 | 1598 | 1721 | 1625    | 1875 | 1996 | 2144 | 1741    | 1956 | 2085 | 2195 |
| C10  | 10    | PGA | 133     | 114  | *    | *    | 160     | 133  | *    | *    | 146     | *    | *    | *    |
|      |       | PGB | 535     | 601  | 616  | 617  | 642     | 719  | 734  | 729  | 643     | 698  | 698  | 655  |
|      |       | PGC | 677     | 750  | 782  | 812  | 814     | 903  | 941  | 975  | 936     | 1034 | 1078 | 1098 |
|      |       | PGD | 1200    | 1391 | 1490 | 1614 | 1444    | 1658 | 1787 | 1932 | 1596    | 1806 | 1933 | 2052 |
| C11  | 11. 2 | PGA | 123     | 108  | *    | *    | 157     | 136  | *    | *    | 138     | *    | *    | *    |
|      |       | PGB | 476     | 539  | 555  | 562  | 613     | 691  | 709  | 713  |         | 637  | 641  | 614  |
|      |       | PGC | 587     | 651  | 679  | 708  | 762     | 845  | 881  | 916  | 465     | 911  | 949  | 972  |
|      |       | PGD | 1046    | 1208 | 1306 | 1420 | 1356    | 1563 | 1688 | 1831 | 1030    | 1605 | 1722 | 1839 |
| C13  | 12. 5 | PGA | 122     | 106  | *    | *    | 156     | 139  | *    | *    | 1199    | *    | *    | *    |
|      |       | PGB | 425     | 473  | 517  | 523  | 579     | 659  | 681  | 697  | 523     | 578  | 584  | 560  |
|      |       | PGC | 597     | 588  | 637  | 657  | 706     | 783  | 817  | 854  | 736     | 878  | 882  | 868  |
|      |       | PGD | 958     | 1125 | 1211 | 1329 | 1255    | 1454 | 1574 | 1718 | 1328    | 1524 | 1805 | 1639 |
| C14  | 14    | PGA | 118     | 103  | *    | *    | 143     | 131  | *    | *    | 126     | *    | *    | *    |
|      |       | PGB | 391     | 429  | 472  | 484  | 514     | 589  | 611  | 633  | 481     | 502  | 516  | 491  |
|      |       | PGC | 506     | 526  | 546  | 583  | 610     | 678  | 707  | 743  | 652     | 790  | 803  | 730  |
|      |       | PGD | 863     | 1034 | 1108 | 1233 | 1092    | 1270 | 1377 | 1509 | 1217    | 1406 | 1623 | 1428 |

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\* On request.

| B216 |      |      |      | B217 |      |      |      | B218 |      |      |      |     | iN    | Code |
|------|------|------|------|------|------|------|------|------|------|------|------|-----|-------|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |     |       |      |
| *    | *    | *    | *    | *    | *    | *    | *    |      |      |      |      | PGA | 6. 3  | B63  |
| 1426 | 1555 | 1615 | 1522 | 1527 | 1661 | 1724 | 1598 |      |      |      |      | PGB |       |      |
| 1782 | 1944 | 2019 | 1902 | 1909 | 2076 | 2155 | 1997 |      |      |      |      | PGC |       |      |
| 2366 | 2499 | 2574 | 2482 | 2530 | 2633 | 2689 | 2533 |      |      |      |      | PGD |       |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 7. 1  | B71  |
| 815  | 809  | 754  | 560  | 838  | 811  | 740  | 503  | 897  | 849  | 760  | 473  | PGB |       |      |
| 1316 | 1442 | 1500 | 1458 | 1430 | 1563 | 1625 | 1561 | 1535 | 1677 | 1742 | 1656 | PGC |       |      |
| 2204 | 2394 | 2505 | 2519 | 2386 | 2563 | 2666 | 2639 | 2558 | 2723 | 2817 | 2751 | PGD |       |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 8     | B80  |
| 784  | 807  | 775  | 641  | 793  | 800  | 756  | 592  | 874  | 868  | 808  | 600  | PGB |       |      |
| 1225 | 1346 | 1401 | 1387 | 1297 | 1424 | 1481 | 1452 | 1434 | 1572 | 1634 | 1589 | PGC |       |      |
| 2059 | 2273 | 2400 | 2467 | 2174 | 2378 | 2499 | 2539 | 2402 | 2608 | 2729 | 2743 | PGD |       |      |
| 150  | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 9     | B90  |
| 730  | 773  | 759  | 674  | 774  | 807  | 782  | 669  | 823  | 847  | 812  | 671  | PGB |       |      |
| 1094 | 1206 | 1256 | 1262 | 1234 | 1358 | 1413 | 1409 | 1299 | 1429 | 1486 | 1471 | PGC |       |      |
| 1853 | 2073 | 2204 | 2306 | 2078 | 2308 | 2444 | 2533 | 2188 | 2414 | 2549 | 2619 | PGD |       |      |
| 155  | *    | *    | *    | 149  | *    | *    | *    | *    | *    | *    | *    | PGA | 10    | C10  |
| 704  | 759  | 753  | 694  | 737  | 783  | 770  | 688  | 799  | 839  | 818  | 712  | PGB |       |      |
| 1037 | 1145 | 1192 | 1209 | 1145 | 1262 | 1314 | 1322 | 1237 | 1362 | 1418 | 1418 | PGC |       |      |
| 1760 | 1984 | 2118 | 2237 | 1935 | 2167 | 2306 | 2416 | 2085 | 2322 | 2464 | 2564 | PGD |       |      |
| 154  | *    | *    | *    | 144  | *    | *    | *    | 159  | *    | *    | *    | PGA | 11. 2 | C11  |
| 662  | 720  | 721  | 679  | 669  | 720  | 714  | 656  | 760  | 809  | 797  | 715  | PGB |       |      |
| 946  | 1045 | 1088 | 1110 | 1014 | 1119 | 1166 | 1181 | 1151 | 1270 | 1322 | 1331 | PGC |       |      |
| 1616 | 1831 | 1960 | 2083 | 1720 | 1938 | 2068 | 2183 | 1940 | 2175 | 2315 | 2428 | PGD |       |      |
| 149  | *    | *    | *    | 140  | *    | *    | *    | 158  | *    | *    | *    | PGA | 12. 5 | C13  |
| 598  | 661  | 669  | 650  | 637  | 658  | 685  | 621  | 691  | 750  | 749  | 701  | PGB |       |      |
| 831  | 920  | 958  | 986  | 905  | 966  | 1062 | 1078 | 1021 | 1127 | 1174 | 1195 | PGC |       |      |
| 1430 | 1632 | 1754 | 1882 | 1623 | 1768 | 1809 | 1865 | 1730 | 1957 | 2093 | 2221 | PGD |       |      |
| 139  | *    | *    | *    | 136  | *    | *    | *    | 157  | *    | *    | *    | PGA | 14    | C14  |
| 519  | 623  | 637  | 603  | 601  | 614  | 634  | 594  | 653  | 694  | 715  | 685  | PGB |       |      |
| 781  | 838  | 882  | 903  | 847  | 935  | 967  | 1012 | 886  | 1043 | 1061 | 1054 | PGC |       |      |
| 1327 | 1465 | 1632 | 1704 | 1504 | 1632 | 1777 | 1783 | 1625 | 1768 | 1876 | 2056 | PGD |       |      |

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\* On request.

|      |      | B3 (kW) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | B3 (kW) |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |
|------|------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|
| Code | iN   |         | B304 |      |      |      | B305 |      |      |      | B306 |      |      |      | B307 |      |      |         | B308 |      |      |      |  |  |  |  |  |  |  |  |  |  |  |
|      |      |         | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740    | 960  | 1150 | 1450 | 1740 |  |  |  |  |  |  |  |  |  |  |  |
| C16  | 16   | PGA     | 35.2 | 37   | 36.8 | 36.8 | 47.9 | 49.5 | 48.3 | 46.7 | 55.4 | 57   | 55.4 | 53.1 | 74   | 75.7 | 72.9 | 68.5    | 86.2 | 87.5 | 83.3 | 76.8 |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGB     | 61.3 | 70   | 78.6 | 86.9 | 87.5 | 99.5 | 110  | 121  | 100  | 113  | 126  | 138  | 137  | 156  | 172  | 187     | 158  | 178  | 196  | 212  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGC     | 57   | 63   | 70   | 77   | 92   | 102  | 113  | 123  | 102  | 114  | 126  | 137  | 160  | 178  | 195  | 213     | 178  | 198  | 218  | 236  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGD     | 92.2 | 105  | 121  | 136  | 149  | 171  | 195  | 218  | 165  | 190  | 216  | 241  | 257  | 294  | 334  | 372     | 285  | 326  | 369  | 410  |  |  |  |  |  |  |  |  |  |  |  |
| C18  | 18   | PGA     | 34.3 | 36   | 35.9 | 35.9 | 46.5 | 48.1 | 47.2 | 45.9 | 53.7 | 55.5 | 54.1 | 52.2 | 71.7 | 73.6 | 71.1 | 67.4    | 83.2 | 84.8 | 81.1 | 75.5 |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGB     | 59.5 | 67.9 | 76.4 | 84.5 | 84.8 | 96.5 | 107  | 118  | 97.1 | 110  | 122  | 134  | 133  | 151  | 167  | 182     | 153  | 173  | 191  | 207  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGC     | 55   | 61   | 68   | 74   | 89   | 98   | 109  | 119  | 98   | 109  | 120  | 131  | 154  | 171  | 188  | 205     | 174  | 193  | 212  | 230  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGD     | 89.5 | 102  | 117  | 132  | 144  | 166  | 189  | 212  | 159  | 183  | 208  | 233  | 247  | 284  | 322  | 360     | 277  | 317  | 359  | 400  |  |  |  |  |  |  |  |  |  |  |  |
| C20  | 20   | PGA     | 32.4 | 34   | 34   | 34.1 | 44.6 | 46.4 | 45.6 | 44.5 | 51.9 | 53.7 | 52.6 | 51   | 68.9 | 70.9 | 68.8 | 65.7    | 79.4 | 81.2 | 78   | 73.3 |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGB     | 56.1 | 64.1 | 72.1 | 79.9 | 81.3 | 92.6 | 103  | 113  | 93.5 | 106  | 118  | 129  | 127  | 145  | 161  | 175     | 145  | 165  | 182  | 198  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGC     | 52   | 58   | 64   | 70   | 86   | 95   | 105  | 114  | 94   | 106  | 116  | 127  | 147  | 164  | 180  | 197     | 163  | 182  | 199  | 217  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGD     | 84.3 | 96.9 | 111  | 125  | 138  | 159  | 181  | 203  | 154  | 176  | 201  | 225  | 236  | 270  | 307  | 344     | 261  | 300  | 340  | 379  |  |  |  |  |  |  |  |  |  |  |  |
| C22  | 22.4 | PGA     | 31.6 | 33.3 | 33.3 | 33.6 | 44   | 45.8 | 45.1 | 44.3 | 50.4 | 52.3 | 51.4 | 50.1 | 66.8 | 68.9 | 67.2 | 64.6    | 77.4 | 79.4 | 76.7 | 72.7 |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGB     | 54.6 | 62.4 | 70.3 | 77.9 | 80   | 91.1 | 101  | 112  | 90.7 | 103  | 115  | 126  | 123  | 140  | 155  | 170     | 141  | 160  | 177  | 193  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGC     | 50   | 56   | 62   | 69   | 84   | 94   | 104  | 114  | 92   | 102  | 114  | 124  | 142  | 158  | 174  | 190     | 158  | 176  | 194  | 210  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGD     | 82.2 | 94.5 | 108  | 122  | 137  | 158  | 180  | 202  | 149  | 171  | 195  | 219  | 226  | 260  | 296  | 331     | 253  | 290  | 330  | 368  |  |  |  |  |  |  |  |  |  |  |  |
| C25  | 25   | PGA     | 30.1 | 31.8 | 31.9 | 32.3 | 41.8 | 43.7 | 43.3 | 43   | 48.6 | 50.6 | 50.1 | 49.4 | 65   | 67.4 | 66.2 | 64.6    | 74.7 | 77.1 | 75.2 | 72.5 |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGB     | 51.7 | 59.1 | 66.7 | 74.1 | 75.5 | 86.2 | 96.6 | 106  | 86.9 | 99   | 110  | 122  | 119  | 135  | 151  | 165     | 134  | 153  | 170  | 186  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGC     | 48   | 53   | 59   | 65   | 80   | 88   | 98   | 107  | 88   | 98   | 108  | 118  | 135  | 150  | 166  | 182     | 151  | 169  | 186  | 203  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGD     | 77.4 | 89   | 102  | 115  | 128  | 147  | 168  | 189  | 142  | 163  | 186  | 209  | 217  | 249  | 284  | 319     | 243  | 279  | 317  | 355  |  |  |  |  |  |  |  |  |  |  |  |
| C28  | 28   | PGA     | 29   | 30.7 | 30.9 | 31.4 | 40.6 | 42.6 | 42.5 | 42.6 | 48   | 50.3 | 50   | 49.9 | 62.1 | 64.8 | 64.1 | 63.4    | 72.7 | 75.5 | 74.4 | 72.9 |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGB     | 49.4 | 56.6 | 63.9 | 71.1 | 72.7 | 83   | 93.3 | 103  | 85.5 | 97.5 | 109  | 121  | 112  | 127  | 143  | 157     | 130  | 148  | 165  | 182  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGC     | 45   | 50   | 56   | 61   | 75   | 83   | 93   | 102  | 87   | 97   | 107  | 118  | 125  | 139  | 154  | 169     | 146  | 163  | 180  | 197  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGD     | 73.1 | 84.2 | 96.7 | 109  | 121  | 139  | 159  | 179  | 141  | 162  | 185  | 209  | 201  | 231  | 264  | 296     | 234  | 268  | 306  | 344  |  |  |  |  |  |  |  |  |  |  |  |
| C32  | 31.5 | PGA     | 27.5 | 29.1 | 29.4 | 30.1 | 38.6 | 40.6 | 40.7 | 41   | 45.5 | 47.8 | 47.8 | 48   | 59.2 | 62   | 61.7 | 61.6    | 70.3 | 73.4 | 72.7 | 72   |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGB     | 46.8 | 53.7 | 60.7 | 67.6 | 68.7 | 78.5 | 88.5 | 98.1 | 80.6 | 92.1 | 103  | 114  | 106  | 121  | 136  | 150     | 125  | 143  | 160  | 177  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGC     | 42   | 47   | 52   | 57   | 70   | 78   | 86   | 95   | 82   | 91   | 101  | 111  | 117  | 130  | 144  | 158     | 139  | 155  | 172  | 189  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGD     | 68.6 | 78.9 | 90.8 | 102  | 113  | 130  | 149  | 169  | 133  | 153  | 175  | 197  | 188  | 216  | 247  | 278     | 222  | 255  | 292  | 328  |  |  |  |  |  |  |  |  |  |  |  |
| C36  | 35.5 | PGA     | 25.9 | 27.5 | 27.8 | 28.5 | 36.4 | 38.4 | 38.6 | 39.1 | 44   | 46.3 | 46.4 | 46.9 | 56.4 | 59.2 | 59.1 | 59.4    | 67   | 70.2 | 69.8 | 69.7 |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGB     | 43.8 | 50.2 | 56.8 | 63.3 | 64.3 | 73.6 | 83   | 92.1 | 77.5 | 88.6 | 99.8 | 110  | 100  | 114  | 129  | 142     | 119  | 136  | 152  | 168  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGC     | 39   | 43   | 48   | 53   | 64   | 71   | 79   | 87   | 77   | 86   | 95   | 105  | 108  | 121  | 134  | 147     | 130  | 144  | 160  | 175  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGD     | 63.1 | 72.7 | 83.7 | 94.6 | 104  | 120  | 138  | 155  | 126  | 144  | 166  | 187  | 174  | 200  | 229  | 258     | 207  | 238  | 272  | 306  |  |  |  |  |  |  |  |  |  |  |  |
| C40  | 40   | PGA     | 22.6 | 24   | 24.3 | 25   | 31.7 | 33.5 | 33.7 | 34.2 | 41.8 | 44.1 | 44.3 | 44.9 | 49.4 | 52   | 52   | 52.4    | 64.1 | 67.3 | 67.1 | 67.2 |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGB     | 38.1 | 43.7 | 49.4 | 55.1 | 55.5 | 63.5 | 71.6 | 79.6 | 73.3 | 83.8 | 94.6 | 105  | 87.1 | 99.6 | 112  | 124     | 112  | 128  | 144  | 160  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGC     | 33   | 36   | 40   | 45   | 53   | 59   | 66   | 73   | 72   | 80   | 89   | 98   | 90   | 100  | 110  | 122     | 121  | 134  | 150  | 164  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGD     | 53.2 | 61.3 | 70.6 | 79.8 | 87   | 100  | 115  | 129  | 117  | 135  | 155  | 175  | 144  | 166  | 191  | 215     | 193  | 222  | 254  | 286  |  |  |  |  |  |  |  |  |  |  |  |
| C45  | 45   | PGA     | 22.1 | 23.5 | 23.8 | 24.5 | 30.9 | 32.7 | 32.9 | 33.5 | 39.3 | 41.5 | 41.8 | 42.5 | 48   | 50.6 | 50.8 | 51.3    | 60.9 | 64   | 64   | 64.4 |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGB     | 37.2 | 42.6 | 48.3 | 53.9 | 54   | 61.8 | 69.8 | 77.7 | 68.5 | 78.4 | 88.5 | 98.4 | 84.1 | 96.1 | 108  | 120     | 106  | 121  | 137  | 151  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGC     | 32   | 35   | 39   | 43   | 51   | 57   | 64   | 70   | 66   | 74   | 82   | 90   | 86   | 96   | 106  | 118     | 111  | 124  | 138  | 152  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGD     | 51.8 | 59.7 | 68.7 | 77.7 | 84   | 96.7 | 111  | 125  | 107  | 124  | 142  | 161  | 139  | 159  | 183  | 206     | 179  | 205  | 236  | 265  |  |  |  |  |  |  |  |  |  |  |  |
| C50  | 50   | PGA     | 22.4 | 23.8 | 24.2 | 24.9 | 30.8 | 32.7 | 33   | 33.9 | 34.4 | 36.4 | 36.8 | 37.7 | 47.6 | 50.3 | 50.7 | 51.7    | 53.6 | 56.6 | 56.9 | 57.8 |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGB     | 37.4 | 42.9 | 48.7 | 54.4 | 53.3 | 61.1 | 69.2 | 77.1 | 59.4 | 68   | 76.9 | 85.7 | 82.5 | 94.5 | 106  | 118     | 92.5 | 105  | 119  | 132  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGC     | 32   | 35   | 39   | 43   | 50   | 56   | 62   | 69   | 55   | 62   | 69   | 76   | 83   | 93   | 103  | 114     | 93   | 103  | 115  | 126  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGD     | 51.6 | 59.4 | 68.5 | 77.5 | 81.9 | 94.3 | 108  | 122  | 90.3 | 103  | 119  | 135  | 134  | 154  | 177  | 200     | 149  | 172  | 197  | 223  |  |  |  |  |  |  |  |  |  |  |  |
| C56  | 56   | PGA     | 20.7 | 22   | 22.4 | 23.1 | 28.5 | 30.2 | 30.7 | 31.6 | 33.6 | 35.7 | 36.2 | 37.2 | 44.3 | 47   | 47.5 | 48.7    | 52.1 | 55.2 | 55.7 | 57   |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGB     | 34.4 | 39.4 | 44.8 | 50   | 49.3 | 56.5 | 64   | 71.4 | 57.8 | 66.3 | 75.1 | 83.7 | 76.7 | 87.9 | 99.5 | 110     | 89.6 | 102  | 116  | 129  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGC     | 28   | 32   | 35   | 39   | 45   | 50   | 56   | 62   | 53   | 59   | 66   | 73   | 76   | 84   | 94   | 103     | 89   | 98   | 110  | 122  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGD     | 46.8 | 53.9 | 62.1 | 70.3 | 74.1 | 85.4 | 98.3 | 111  | 87.2 | 100  | 115  | 130  | 122  | 141  | 162  | 183     | 143  | 165  | 190  | 215  |  |  |  |  |  |  |  |  |  |  |  |
| C63  | 63   | PGA     | 19.9 | 21.2 | 21.6 | 22.3 | 27.4 | 29.1 | 29.5 | 30.4 | 33.4 | 35.5 | 36   | 37.1 | 42.8 | 45.5 | 46.1 | 47.3    | 51.5 | 54.6 | 55.2 | 56.6 |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGB     | 33.1 | 38   | 43.2 | 48.3 | 47.3 | 54.3 | 61.6 | 68.7 | 57.1 | 65.5 | 74.2 | 82.9 | 74.1 | 84.9 | 96.2 | 107     | 88.1 | 100  | 114  | 127  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGC     | 27   | 30   | 34   | 37   | 43   | 47   | 53   | 58   | 52   | 58   | 65   | 71   | 72   | 80   | 89   | 98      | 86   | 96   | 107  | 118  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGD     | 44.3 | 51   | 58.9 | 66.7 | 70.1 | 80.8 | 93   | 105  | 85.1 | 98   | 112  | 127  | 116  | 134  | 154  | 174     | 140  | 161  | 185  | 210  |  |  |  |  |  |  |  |  |  |  |  |
| C71  | 71   | PGA     | 18.4 | 19.6 | 20   | 20.7 | 26.1 | 27.7 | 28.2 | 29.1 | 30.8 | 32.8 | 33.3 | 34.3 | 40.8 | 43.3 | 43.9 | 45.2    | 47.8 | 50.8 | 51.4 | 52.7 |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGB     | 30.7 | 35.3 | 40   | 44.8 | 44.9 | 51.6 | 58.5 | 65.3 | 52.6 | 60.3 | 68.4 | 76.3 | 70.5 | 80.9 | 91.7 | 102     | 81.7 | 93.6 | 106  | 118  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGC     | 24   | 27   | 30   | 34   | 39   | 44   | 49   | 54   | 47   | 52   | 58   | 64   | 66   | 74   | 82   | 90      | 79   | 87   | 98   | 107  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGD     | 40.4 | 46.6 | 53.7 | 60.8 | 65.2 | 75.1 | 86.5 | 97.9 | 77.1 | 88.8 | 102  | 115  | 108  | 125  | 143  | 162     | 127  | 146  | 168  | 190  |  |  |  |  |  |  |  |  |  |  |  |
| C80  | 80   | PGA     | 20.7 | 22   | 19.2 | 19.9 | 30.1 | 32.1 | 27   | 27.9 | 29.5 | 31.4 | 31.9 | 32.9 | 39.1 | 41.5 | 42.1 | 43.4    | 46.2 | 49.1 | 49.7 | 51.1 |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGB     | 34.6 | 39.7 | 38.5 | 43.2 | 51.9 | 59.6 | 56.4 | 63   | 50.6 | 58.1 | 65.9 | 73.6 | 67.8 | 77.9 | 88   | 98.4    | 79   | 90.5 | 102  | 114  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGC     | 28   | 32   | 29   | 32   | 48   | 54   | 46   | 51   | 44   | 49   | 55   | 61   | 63   | 70   | 78   | 86      | 75   | 82   | 92   | 102  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGD     | 46.7 | 53.8 | 50.9 | 57.6 | 79.1 | 91.6 | 82   | 92.8 | 72.8 | 83.9 | 96.7 | 109  | 102  | 118  | 136  | 154     | 121  | 139  | 160  | 182  |  |  |  |  |  |  |  |  |  |  |  |
| C90  | 90   | PGA     | 19.9 | 21.2 | 18.3 | 19   | 28.3 | 30   | 25.8 | 26.7 | 28.2 | 30   | 30.5 | 31.5 | 37.4 | 39.6 | 40.3 | 41.6    | 44   | 46.8 | 47.4 | 48.8 |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGB     | 33   | 37.9 | 36.7 | 41.1 | 48.7 | 55.8 | 53.6 | 59.9 | 48.1 | 55.2 | 62.7 | 70   | 64.5 | 74.1 | 83.7 | 93.6    | 75.1 | 86.1 | 97.6 | 108  |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGC     | 27   | 30   | 27   | 29   | 44   | 49   | 43   | 47   | 41   | 46   | 51   | 56   | 58   | 65   | 72   | 79      | 69   | 77   | 86   | 94   |  |  |  |  |  |  |  |  |  |  |  |
|      |      | PGD     | 44.3 | 51   | 47.4 | 53.9 | 72.3 | 83.7 | 76.4 | 86.8 | 67.9 | 78.2 | 90.1 | 102  | 95   | 110  | 127  | 144     | 112  | 129  | 149  | 168  |  |  |  |  |  |  |  |  |  |  |  |

| B309 |      |      |      | B310 |      |      |      | B311 |      |      |      | B312 |      |      |      |     | iN   | Code |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |     |      |      |
| 99.4 | 100  | 94.3 | 85.1 | 110  | 110  | 103  | 90.8 | 133  | 129  | 114  | 89.8 | 155  | 147  | 125  | *    | PGA | 16   | C16  |
| 193  | 218  | 239  | 258  | 214  | 240  | 262  | 281  | 300  | 334  | 358  | 375  | 347  | 384  | 407  | 419  | PGB |      |      |
| 243  | 270  | 295  | 319  | 274  | 306  | 332  | 358  | 340  | 378  | 406  | 434  | 446  | 496  | 530  | 561  | PGC |      |      |
| 388  | 444  | 500  | 555  | 434  | 496  | 558  | 618  | 569  | 648  | 719  | 787  | 724  | 823  | 907  | 986  | PGD |      |      |
| 96.5 | 97.7 | 92.5 | 84.4 | 102  | 102  | 96.3 | 86.1 | 132  | 129  | 115  | 93.1 | 156  | 149  | 129  | *    | PGA | 18   | C18  |
| 187  | 211  | 232  | 250  | 197  | 222  | 243  | 261  | 293  | 328  | 353  | 371  | 347  | 386  | 411  | 426  | PGB |      |      |
| 234  | 261  | 286  | 309  | 252  | 281  | 306  | 331  | 333  | 370  | 399  | 427  | 446  | 497  | 532  | 565  | PGC |      |      |
| 375  | 429  | 485  | 539  | 399  | 457  | 514  | 570  | 558  | 635  | 707  | 776  | 726  | 825  | 913  | 995  | PGD |      |      |
| 92.8 | 94.3 | 89.8 | 82.9 | 105  | 106  | 100  | 90.8 | 126  | 124  | 112  | 93.3 | 147  | 141  | 124  | 96   | PGA | 20   | C20  |
| 179  | 202  | 223  | 241  | 203  | 228  | 251  | 270  | 280  | 314  | 339  | 358  | 323  | 360  | 385  | 401  | PGB |      |      |
| 224  | 250  | 274  | 297  | 258  | 287  | 314  | 340  | 317  | 353  | 381  | 409  | 413  | 459  | 493  | 526  | PGC |      |      |
| 360  | 412  | 466  | 519  | 410  | 469  | 529  | 588  | 531  | 605  | 676  | 743  | 672  | 764  | 848  | 926  | PGD |      |      |
| 90.7 | 92.5 | 88.6 | 82.7 | 97.5 | 98.9 | 93.9 | 86.2 | 122  | 120  | 110  | 93.7 | 148  | 144  | 128  | 102  | PGA | 22.4 | C22  |
| 175  | 198  | 218  | 237  | 186  | 210  | 231  | 250  | 266  | 298  | 324  | 343  | 324  | 361  | 388  | 407  | PGB |      |      |
| 218  | 242  | 266  | 289  | 236  | 263  | 288  | 312  | 294  | 327  | 354  | 381  | 412  | 458  | 494  | 527  | PGC |      |      |
| 348  | 399  | 452  | 504  | 375  | 429  | 485  | 539  | 495  | 565  | 632  | 697  | 671  | 764  | 850  | 932  | PGD |      |      |
| 87.3 | 89.7 | 86.9 | 82.8 | 94.3 | 96.4 | 92.8 | 87.2 | 117  | 117  | 109  | 97.2 | 144  | 142  | 130  | 110  | PGA | 25   | C25  |
| 166  | 188  | 209  | 228  | 178  | 202  | 223  | 243  | 250  | 281  | 307  | 329  | 309  | 346  | 375  | 398  | PGB |      |      |
| 202  | 226  | 248  | 270  | 227  | 253  | 278  | 302  | 270  | 300  | 326  | 352  | 391  | 436  | 472  | 507  | PGC |      |      |
| 324  | 371  | 422  | 471  | 359  | 411  | 466  | 520  | 454  | 519  | 584  | 647  | 640  | 730  | 817  | 901  | PGD |      |      |
| 83.9 | 86.8 | 85   | 82.5 | 92.7 | 95.6 | 93.1 | 89.4 | 113  | 114  | 109  | 100  | 140  | 140  | 131  | 117  | PGA | 28   | C28  |
| 157  | 179  | 199  | 218  | 174  | 197  | 220  | 240  | 238  | 269  | 296  | 320  | 295  | 332  | 363  | 390  | PGB |      |      |
| 188  | 209  | 230  | 252  | 219  | 244  | 269  | 294  | 250  | 279  | 306  | 331  | 365  | 406  | 443  | 478  | PGC |      |      |
| 302  | 346  | 395  | 442  | 349  | 400  | 455  | 509  | 424  | 486  | 549  | 611  | 596  | 682  | 767  | 851  | PGD |      |      |
| 80.6 | 83.9 | 82.7 | 81.3 | 89.1 | 92.4 | 90.7 | 88.4 | 108  | 111  | 106  | 100  | 133  | 135  | 129  | 118  | PGA | 31.5 | C32  |
| 149  | 170  | 190  | 209  | 165  | 188  | 210  | 230  | 225  | 254  | 282  | 306  | 276  | 312  | 344  | 371  | PGB |      |      |
| 176  | 196  | 217  | 238  | 203  | 226  | 250  | 273  | 233  | 259  | 285  | 310  | 334  | 371  | 406  | 441  | PGC |      |      |
| 282  | 324  | 370  | 415  | 324  | 372  | 424  | 476  | 395  | 453  | 514  | 573  | 548  | 627  | 709  | 788  | PGD |      |      |
| 76.9 | 80.3 | 79.6 | 78.9 | 85.3 | 88.8 | 87.7 | 86.3 | 105  | 108  | 105  | 100  | 128  | 131  | 125  | 118  | PGA | 35.5 | C36  |
| 141  | 161  | 181  | 199  | 156  | 178  | 199  | 219  | 215  | 244  | 271  | 296  | 262  | 296  | 328  | 356  | PGB |      |      |
| 161  | 179  | 198  | 218  | 190  | 211  | 234  | 256  | 221  | 246  | 270  | 295  | 311  | 346  | 380  | 413  | PGC |      |      |
| 260  | 298  | 341  | 384  | 302  | 347  | 396  | 445  | 373  | 428  | 487  | 544  | 509  | 584  | 661  | 738  | PGD |      |      |
| 72.1 | 75.4 | 75   | 74.7 | 81.6 | 85.2 | 84.4 | 83.6 | 99.6 | 102  | 100  | 97   | 122  | 125  | 121  | 115  | PGA | 40   | C40  |
| 131  | 150  | 168  | 186  | 149  | 170  | 191  | 211  | 201  | 229  | 255  | 279  | 246  | 279  | 310  | 337  | PGB |      |      |
| 146  | 162  | 179  | 197  | 178  | 198  | 219  | 240  | 202  | 226  | 248  | 271  | 288  | 321  | 352  | 384  | PGC |      |      |
| 235  | 270  | 309  | 348  | 283  | 325  | 372  | 418  | 344  | 395  | 449  | 503  | 473  | 542  | 616  | 688  | PGD |      |      |
| 66.4 | 69.6 | 69.4 | 69.5 | 77.7 | 81.3 | 80.8 | 80.4 | 91.6 | 95   | 93.2 | 90.8 | 117  | 121  | 118  | 113  | PGA | 45   | C45  |
| 120  | 137  | 154  | 170  | 140  | 160  | 180  | 199  | 184  | 210  | 234  | 257  | 236  | 268  | 298  | 326  | PGB |      |      |
| 131  | 146  | 162  | 178  | 162  | 181  | 201  | 220  | 182  | 202  | 224  | 245  | 272  | 302  | 334  | 363  | PGC |      |      |
| 211  | 243  | 279  | 314  | 260  | 299  | 342  | 384  | 311  | 357  | 407  | 457  | 449  | 515  | 585  | 655  | PGD |      |      |
| 65.5 | 69.1 | 69.3 | 70.2 | 73.1 | 77   | 77   | 77.7 | 92.4 | 96.6 | 95.8 | 95.2 | 112  | 116  | 115  | 113  | PGA | 50   | C50  |
| 117  | 133  | 151  | 167  | 131  | 150  | 169  | 188  | 181  | 207  | 232  | 256  | 221  | 251  | 281  | 310  | PGB |      |      |
| 125  | 139  | 155  | 170  | 147  | 164  | 182  | 200  | 178  | 198  | 219  | 240  | 250  | 278  | 307  | 337  | PGC |      |      |
| 203  | 234  | 269  | 303  | 236  | 272  | 312  | 352  | 301  | 346  | 396  | 445  | 411  | 472  | 539  | 606  | PGD |      |      |
| 60.7 | 64.3 | 64.8 | 66.1 | 67.7 | 71.5 | 72   | 73.2 | 84.5 | 88.9 | 88.9 | 89.4 | 103  | 108  | 108  | 108  | PGA | 56   | C56  |
| 108  | 124  | 140  | 156  | 120  | 137  | 155  | 173  | 164  | 188  | 211  | 234  | 203  | 232  | 260  | 288  | PGB |      |      |
| 112  | 125  | 139  | 154  | 133  | 148  | 165  | 182  | 158  | 175  | 194  | 214  | 223  | 249  | 276  | 303  | PGC |      |      |
| 182  | 210  | 241  | 272  | 213  | 245  | 281  | 318  | 268  | 308  | 354  | 398  | 370  | 426  | 488  | 549  | PGD |      |      |
| 58.7 | 62.2 | 62.8 | 64.2 | 66.5 | 70.4 | 71   | 72.5 | 81.7 | 86.1 | 86.3 | 87.3 | 103  | 108  | 108  | 108  | PGA | 63   | C63  |
| 104  | 119  | 135  | 150  | 117  | 134  | 151  | 168  | 158  | 180  | 203  | 226  | 198  | 227  | 255  | 283  | PGB |      |      |
| 106  | 118  | 131  | 145  | 127  | 142  | 158  | 174  | 148  | 165  | 183  | 202  | 217  | 242  | 268  | 294  | PGC |      |      |
| 173  | 199  | 229  | 259  | 203  | 234  | 269  | 304  | 253  | 291  | 334  | 377  | 358  | 411  | 471  | 531  | PGD |      |      |
| 55   | 58.3 | 59   | 60.4 | 61.7 | 65.3 | 65.9 | 67.4 | 75.7 | 79.9 | 80.2 | 81.3 | 94.8 | 99.8 | 99.9 | 100  | PGA | 71   | C71  |
| 97.8 | 112  | 126  | 141  | 108  | 124  | 140  | 156  | 146  | 167  | 189  | 210  | 180  | 206  | 232  | 257  | PGB |      |      |
| 95   | 106  | 118  | 130  | 114  | 127  | 142  | 156  | 133  | 148  | 165  | 181  | 192  | 214  | 238  | 262  | PGC |      |      |
| 157  | 181  | 209  | 236  | 183  | 211  | 243  | 275  | 228  | 262  | 301  | 340  | 319  | 367  | 421  | 474  | PGD |      |      |
| 53.2 | 56.3 | 57   | 58.6 | 59.6 | 63.1 | 63.8 | 65.3 | 73.1 | 77.2 | 77.6 | 78.8 | 90.7 | 95.5 | 95.8 | 96.9 | PGA | 80   | C80  |
| 94.6 | 108  | 121  | 136  | 105  | 120  | 136  | 151  | 142  | 162  | 184  | 203  | 173  | 198  | 224  | 248  | PGB |      |      |
| 90   | 101  | 112  | 123  | 107  | 119  | 134  | 147  | 125  | 138  | 155  | 170  | 179  | 200  | 222  | 244  | PGC |      |      |
| 150  | 172  | 199  | 226  | 174  | 200  | 231  | 261  | 217  | 248  | 286  | 323  | 300  | 345  | 396  | 447  | PGD |      |      |
| 50.6 | 53.7 | 54.4 | 56   | 55.9 | 59.3 | 60   | 61.5 | 68.6 | 72.6 | 73   | 74.2 | 84.5 | 89.2 | 89.6 | 90.9 | PGA | 90   | C90  |
| 89.9 | 103  | 116  | 129  | 98.4 | 112  | 127  | 142  | 133  | 151  | 171  | 191  | 161  | 184  | 208  | 231  | PGB |      |      |
| 83   | 94   | 104  | 114  | 97   | 108  | 121  | 133  | 112  | 126  | 141  | 154  | 161  | 179  | 199  | 219  | PGC |      |      |
| 138  | 160  | 185  | 209  | 159  | 183  | 210  | 238  | 198  | 227  | 260  | 295  | 271  | 311  | 357  | 403  | PGD |      |      |



B3 (kW)

B3 (kW)

| Code | iN   |     | B313 |      |      |      | B314 |      |      |      | B315 |      |      |      |
|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|
|      |      |     | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |
| C16  | 16   | PGA | 165  | 151  | 122  | *    | 191  | 174  | 138  | *    | 221  | 185  | *    | *    |
|      |      | PGB | 388  | 426  | 445  | 450  | 448  | 492  | 511  | 513  | 553  | 597  | 597  | 568  |
|      |      | PGC | 523  | 582  | 615  | 646  | 592  | 659  | 694  | 727  | 834  | 929  | 957  | 981  |
|      |      | PGD | 846  | 958  | 1047 | 1128 | 959  | 1085 | 1181 | 1268 | 1322 | 1486 | 1583 | 1662 |
| C18  | 18   | PGA | 167  | 155  | 128  | *    | 195  | 180  | 146  | *    | 216  | 185  | *    | *    |
|      |      | PGB | 392  | 432  | 454  | 462  | 452  | 498  | 520  | 527  | 531  | 575  | 581  | 560  |
|      |      | PGC | 526  | 586  | 622  | 655  | 596  | 663  | 702  | 737  | 801  | 892  | 924  | 952  |
|      |      | PGD | 853  | 967  | 1060 | 1146 | 965  | 1093 | 1195 | 1289 | 1265 | 1424 | 1525 | 1610 |
| C20  | 20   | PGA | 159  | 149  | 126  | *    | 180  | 168  | 140  | *    | 212  | 185  | *    | *    |
|      |      | PGB | 367  | 406  | 428  | 440  | 413  | 456  | 480  | 489  | 513  | 557  | 568  | 555  |
|      |      | PGC | 492  | 548  | 583  | 617  | 542  | 603  | 640  | 675  | 769  | 856  | 891  | 923  |
|      |      | PGD | 798  | 905  | 996  | 1081 | 877  | 995  | 1092 | 1182 | 1215 | 1370 | 1475 | 1566 |
| C22  | 22.4 | PGA | 154  | 147  | 126  | *    | 185  | 174  | 148  | *    | 210  | 187  | *    | *    |
|      |      | PGB | 349  | 387  | 412  | 426  | 417  | 462  | 489  | 503  | 498  | 544  | 559  | 554  |
|      |      | PGC | 459  | 511  | 546  | 580  | 546  | 609  | 649  | 686  | 728  | 810  | 849  | 883  |
|      |      | PGD | 746  | 847  | 936  | 1019 | 885  | 1005 | 1107 | 1203 | 1155 | 1304 | 1412 | 1507 |
| C25  | 25   | PGA | 149  | 144  | 128  | 102  | 176  | 170  | 150  | 116  | 204  | 189  | 153  | *    |
|      |      | PGB | 329  | 367  | 395  | 414  | 390  | 435  | 466  | 486  | 466  | 513  | 537  | 544  |
|      |      | PGC | 422  | 470  | 506  | 540  | 510  | 568  | 610  | 650  | 658  | 733  | 776  | 816  |
|      |      | PGD | 687  | 783  | 870  | 954  | 827  | 941  | 1045 | 1143 | 1047 | 1186 | 1297 | 1399 |
| C28  | 28   | PGA | 144  | 143  | 131  | 112  | 172  | 170  | 155  | 130  | 205  | 195  | 168  | *    |
|      |      | PGB | 312  | 350  | 380  | 404  | 373  | 417  | 452  | 479  | 453  | 503  | 535  | 554  |
|      |      | PGC | 391  | 436  | 472  | 508  | 474  | 528  | 572  | 614  | 631  | 703  | 751  | 798  |
|      |      | PGD | 640  | 731  | 819  | 903  | 772  | 881  | 985  | 1085 | 1007 | 1145 | 1265 | 1378 |
| C32  | 31.5 | PGA | 139  | 140  | 131  | 116  | 165  | 165  | 154  | 135  | 196  | 191  | 170  | 137  |
|      |      | PGB | 296  | 333  | 365  | 391  | 350  | 393  | 430  | 460  | 423  | 473  | 508  | 534  |
|      |      | PGC | 362  | 404  | 440  | 475  | 434  | 484  | 526  | 568  | 572  | 637  | 686  | 733  |
|      |      | PGD | 595  | 680  | 766  | 849  | 710  | 811  | 912  | 1009 | 917  | 1044 | 1162 | 1274 |
| C36  | 35.5 | PGA | 135  | 137  | 130  | 119  | 159  | 160  | 151  | 137  | 192  | 189  | 173  | 146  |
|      |      | PGB | 284  | 321  | 353  | 381  | 332  | 375  | 412  | 443  | 407  | 457  | 495  | 525  |
|      |      | PGC | 345  | 384  | 427  | 454  | 405  | 451  | 492  | 533  | 544  | 606  | 655  | 704  |
|      |      | PGD | 566  | 648  | 732  | 814  | 662  | 758  | 855  | 949  | 873  | 996  | 1114 | 1228 |
| C40  | 40   | PGA | 128  | 130  | 125  | 116  | 152  | 155  | 147  | 136  | 183  | 182  | 168  | 146  |
|      |      | PGB | 267  | 302  | 334  | 362  | 315  | 355  | 392  | 424  | 383  | 430  | 469  | 500  |
|      |      | PGC | 318  | 354  | 387  | 421  | 377  | 420  | 459  | 498  | 502  | 558  | 606  | 653  |
|      |      | PGD | 523  | 599  | 678  | 755  | 617  | 706  | 798  | 888  | 808  | 923  | 1035 | 1144 |
| C45  | 45   | PGA | 119  | 122  | 117  | 110  | 147  | 150  | 144  | 134  | 171  | 171  | 160  | 142  |
|      |      | PGB | 244  | 279  | 306  | 333  | 301  | 341  | 377  | 409  | 352  | 397  | 434  | 465  |
|      |      | PGC | 285  | 317  | 348  | 378  | 357  | 397  | 435  | 474  | 451  | 502  | 547  | 591  |
|      |      | PGD | 467  | 535  | 607  | 677  | 586  | 671  | 760  | 847  | 728  | 832  | 936  | 1037 |
| C50  | 50   | PGA | 122  | 126  | 124  | 120  | 141  | 146  | 142  | 138  | 178  | 182  | 174  | 163  |
|      |      | PGB | 244  | 278  | 310  | 340  | 283  | 321  | 358  | 392  | 356  | 402  | 445  | 483  |
|      |      | PGC | 282  | 314  | 346  | 378  | 330  | 367  | 405  | 442  | 454  | 505  | 554  | 602  |
|      |      | PGD | 466  | 535  | 610  | 684  | 543  | 623  | 709  | 794  | 728  | 834  | 944  | 1053 |
| C56  | 56   | PGA | 113  | 118  | 117  | 116  | 131  | 136  | 135  | 133  | 165  | 171  | 167  | 161  |
|      |      | PGB | 223  | 254  | 285  | 314  | 258  | 294  | 330  | 363  | 325  | 369  | 411  | 450  |
|      |      | PGC | 252  | 281  | 311  | 341  | 293  | 326  | 361  | 395  | 406  | 452  | 498  | 544  |
|      |      | PGD | 416  | 478  | 547  | 614  | 486  | 558  | 637  | 716  | 652  | 748  | 852  | 954  |
| C63  | 63   | PGA | 109  | 114  | 114  | 114  | 133  | 139  | 138  | 137  | 159  | 165  | 162  | 158  |
|      |      | PGB | 214  | 244  | 275  | 303  | 259  | 296  | 332  | 367  | 309  | 352  | 393  | 431  |
|      |      | PGC | 237  | 264  | 293  | 321  | 292  | 326  | 361  | 395  | 380  | 423  | 468  | 511  |
|      |      | PGD | 393  | 452  | 517  | 582  | 481  | 553  | 633  | 712  | 612  | 703  | 802  | 899  |
| C71  | 71   | PGA | 103  | 108  | 107  | 107  | 122  | 128  | 127  | 127  | 151  | 158  | 155  | 153  |
|      |      | PGB | 201  | 229  | 258  | 285  | 236  | 269  | 302  | 334  | 292  | 333  | 372  | 409  |
|      |      | PGC | 214  | 238  | 265  | 290  | 262  | 291  | 323  | 354  | 350  | 390  | 430  | 471  |
|      |      | PGD | 356  | 410  | 469  | 528  | 431  | 495  | 567  | 638  | 567  | 651  | 743  | 834  |
| C80  | 80   | PGA | 98   | 102  | 103  | 103  | 117  | 123  | 123  | 123  | 145  | 149  | 150  | 146  |
|      |      | PGB | 217  | 233  | 243  | 261  | 227  | 259  | 291  | 323  | 282  | 312  | 351  | 376  |
|      |      | PGC | 221  | 230  | 253  | 258  | 246  | 274  | 303  | 334  | 318  | 361  | 462  | 434  |
|      |      | PGD | 321  | 380  | 427  | 462  | 407  | 468  | 536  | 604  | 516  | 603  | 657  | 773  |
| C90  | 90   | PGA | 92   | 98   | 98   | 97   | 110  | 115  | 115  | 116  | 139  | 143  | 145  | 140  |
|      |      | PGB | 206  | 214  | 219  | 241  | 212  | 242  | 273  | 302  | 271  | 296  | 330  | 352  |
|      |      | PGC | 211  | 221  | 240  | 246  | 222  | 247  | 274  | 302  | 277  | 334  | 421  | 406  |
|      |      | PGD | 307  | 356  | 386  | 412  | 369  | 425  | 487  | 549  | 463  | 554  | 601  | 724  |

\* 敬请垂询

\* On request.

| B316 |      |      |      | B317 |      |      |      | B318 |      |      |      |     | iN   | Code |
|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |     |      |      |
| 227  | 186  | *    | *    | 241  | 189  | *    | *    | 245  | *    | *    | *    | PGA | 16   | C16  |
| 579  | 621  | 615  | 575  | 713  | 758  | 737  | 671  | 732  | 774  | 741  | 658  | PGB |      |      |
| 863  | 961  | 984  | 1002 | 1012 | 1126 | 1143 | 1152 | 1034 | 1150 | 1158 | 1157 | PGC |      |      |
| 1366 | 1532 | 1621 | 1691 | 1654 | 1849 | 1937 | 2000 | 1682 | 1876 | 1949 | 1994 | PGD |      |      |
| 230  | 193  | *    | *    | 237  | 191  | *    | *    | 263  | 205  | *    | *    | PGA | 18   | C18  |
| 573  | 617  | 617  | 586  | 686  | 734  | 722  | 669  | 763  | 811  | 787  | 714  | PGB |      |      |
| 850  | 946  | 97   | 998  | 968  | 1078 | 1100 | 1116 | 1066 | 1186 | 1202 | 1210 | PGC |      |      |
| 1344 | 1510 | 1608 | 1687 | 1584 | 1775 | 1872 | 1946 | 1738 | 1942 | 2033 | 2096 | PGD |      |      |
| 223  | 191  | *    | *    | 234  | 194  | *    | *    | 246  | 198  | *    | *    | PGA | 20   | C20  |
| 548  | 593  | 599  | 577  | 662  | 711  | 708  | 668  | 700  | 749  | 736  | 681  | PGB |      |      |
| 808  | 899  | 932  | 959  | 931  | 1037 | 1066 | 1088 | 971  | 1082 | 1103 | 1119 | PGC |      |      |
| 1280 | 1440 | 1542 | 1628 | 1523 | 1710 | 1815 | 1900 | 1589 | 1780 | 1876 | 1949 | PGD |      |      |
| 219  | 192  | *    | *    | 236  | 201  | *    | *    | 243  | 202  | *    | *    | PGA | 22.4 | C22  |
| 528  | 574  | 586  | 573  | 646  | 698  | 702  | 673  | 675  | 725  | 722  | 681  | PGB |      |      |
| 773  | 861  | 897  | 929  | 891  | 992  | 1026 | 1054 | 931  | 1037 | 1066 | 1088 | PGC |      |      |
| 1227 | 1383 | 1490 | 1582 | 1461 | 1644 | 1756 | 1851 | 1525 | 1712 | 1818 | 1902 | PGD |      |      |
| 222  | 202  | 160  | *    | 234  | 208  | *    | *    | 250  | 219  | *    | *    | PGA | 25   | C25  |
| 513  | 563  | 585  | 587  | 607  | 662  | 681  | 674  | 661  | 718  | 732  | 714  | PGB |      |      |
| 735  | 818  | 862  | 902  | 810  | 902  | 945  | 983  | 893  | 994  | 1035 | 1071 | PGC |      |      |
| 1168 | 1322 | 1440 | 1546 | 1333 | 1505 | 1629 | 1738 | 1467 | 1654 | 1780 | 1890 | PGD |      |      |
| 216  | 204  | 172  | *    | 239  | 222  | 183  | *    | 248  | 227  | 182  | *    | PGA | 28   | C28  |
| 480  | 531  | 562  | 577  | 596  | 656  | 689  | 700  | 621  | 682  | 711  | 716  | PGB |      |      |
| 666  | 741  | 790  | 835  | 784  | 873  | 926  | 974  | 812  | 904  | 954  | 1001 | PGC |      |      |
| 1060 | 1204 | 1326 | 1440 | 1292 | 1465 | 1605 | 1734 | 1336 | 1513 | 1650 | 1776 | PGD |      |      |
| 215  | 208  | 183  | 142  | 232  | 221  | 190  | *    | 250  | 236  | 199  | *    | PGA | 31.5 | C32  |
| 468  | 521  | 558  | 582  | 557  | 619  | 658  | 681  | 608  | 673  | 712  | 731  | PGB |      |      |
| 638  | 710  | 762  | 812  | 717  | 798  | 854  | 906  | 786  | 874  | 932  | 986  | PGC |      |      |
| 1020 | 1161 | 1288 | 1409 | 1184 | 1345 | 1487 | 1619 | 1296 | 1471 | 1620 | 1759 | PGD |      |      |
| 205  | 201  | 181  | 149  | 228  | 221  | 196  | 155  | 241  | 232  | 203  | 155  | PGA | 35.5 | C36  |
| 435  | 487  | 526  | 555  | 538  | 599  | 644  | 674  | 569  | 633  | 677  | 705  | PGB |      |      |
| 580  | 646  | 697  | 746  | 682  | 759  | 817  | 873  | 718  | 799  | 857  | 913  | PGC |      |      |
| 929  | 1059 | 1181 | 1299 | 1129 | 1286 | 1429 | 1566 | 1188 | 1351 | 1498 | 1636 | PGD |      |      |
| 199  | 197  | 180  | 153  | 220  | 215  | 194  | 160  | 236  | 230  | 204  | 164  | PGA | 40   | C40  |
| 419  | 470  | 510  | 541  | 508  | 568  | 614  | 647  | 548  | 611  | 657  | 690  | PGB |      |      |
| 550  | 612  | 663  | 713  | 634  | 706  | 523  | 818  | 682  | 759  | 818  | 874  | PGC |      |      |
| 884  | 1009 | 1129 | 1245 | 1053 | 1200 | 1339 | 1472 | 1132 | 1289 | 1434 | 1572 | PGD |      |      |
| 190  | 189  | 176  | 154  | 206  | 204  | 187  | 159  | 228  | 224  | 203  | 169  | PGA | 45   | C45  |
| 395  | 444  | 484  | 517  | 470  | 526  | 572  | 607  | 520  | 581  | 629  | 665  | PGB |      |      |
| 507  | 565  | 614  | 662  | 575  | 641  | 694  | 746  | 638  | 710  | 768  | 823  | PGC |      |      |
| 818  | 934  | 1049 | 1160 | 955  | 1090 | 1221 | 1346 | 1057 | 1205 | 1346 | 1481 | PGD |      |      |
| 178  | 182  | 174  | 161  | 219  | 221  | 210  | 191  | 216  | 218  | 204  | 184  | PGA | 50   | C50  |
| 636  | 411  | 453  | 491  | 478  | 539  | 593  | 640  | 481  | 542  | 594  | 639  | PGB |      |      |
| 457  | 509  | 557  | 604  | 582  | 647  | 707  | 766  | 580  | 646  | 704  | 761  | PGC |      |      |
| 738  | 845  | 956  | 1064 | 962  | 1101 | 1242 | 1380 | 963  | 1101 | 1240 | 1376 | PGD |      |      |
| 186  | 191  | 186  | 179  | 205  | 210  | 203  | 193  | 228  | 233  | 225  | 211  | PGA | 56   | C56  |
| 365  | 415  | 461  | 504  | 438  | 497  | 552  | 601  | 488  | 553  | 612  | 665  | PGB |      |      |
| 458  | 510  | 562  | 613  | 523  | 582  | 640  | 697  | 583  | 649  | 713  | 775  | PGC |      |      |
| 738  | 846  | 962  | 1076 | 867  | 994  | 1128 | 1260 | 966  | 1107 | 1255 | 1401 | PGD |      |      |
| 171  | 177  | 173  | 168  | 198  | 204  | 199  | 192  | 211  | 217  | 211  | 202  | PGA | 63   | C63  |
| 333  | 378  | 422  | 463  | 419  | 475  | 529  | 579  | 447  | 507  | 563  | 615  | PGB |      |      |
| 408  | 454  | 502  | 548  | 492  | 548  | 604  | 659  | 526  | 585  | 644  | 702  | PGC |      |      |
| 659  | 757  | 862  | 966  | 820  | 941  | 1071 | 1198 | 869  | 997  | 1133 | 1267 | PGD |      |      |
| 164  | 170  | 167  | 163  | 187  | 194  | 190  | 184  | 204  | 210  | 205  | 198  | PGA | 71   | C71  |
| 318  | 362  | 404  | 444  | 393  | 446  | 498  | 546  | 426  | 484  | 539  | 590  | PGB |      |      |
| 385  | 428  | 465  | 518  | 455  | 506  | 558  | 610  | 496  | 552  | 608  | 664  | PGC |      |      |
| 621  | 713  | 813  | 912  | 757  | 869  | 990  | 1109 | 824  | 945  | 1075 | 1204 | PGD |      |      |
| 157  | 163  | 161  | 158  | 178  | 184  | 185  | 173  | 193  | 200  | 196  | 190  | PGA | 80   | C80  |
| 301  | 343  | 384  | 423  | 374  | 416  | 468  | 524  | 400  | 454  | 507  | 556  | PGB |      |      |
| 354  | 394  | 435  | 476  | 413  | 468  | 514  | 573  | 456  | 507  | 560  | 612  | PGC |      |      |
| 573  | 658  | 751  | 843  | 695  | 794  | 875  | 1040 | 761  | 873  | 994  | 1114 | PGD |      |      |
| 144  | 157  | 160  | 153  |      |      |      |      | 184  | 190  | 189  | 182  | PGA | 90   | C90  |
| 289  | 332  | 364  | 402  |      |      |      |      | 383  | 414  | 476  | 502  | PGB |      |      |
| 309  | 349  | 402  | 436  | 0    | 0    | 0    | 0    | 424  | 480  | 499  | 581  | PGC |      |      |
| 533  | 612  | 695  | 783  |      |      |      |      | 721  | 819  | 873  | 1027 | PGD |      |      |

\* 敬請垂詢

\* On request.



B3 (kW)

B3 (kW)

| Code | iN   |     | B319 |      |      |      | B320 |      |      |      | B321 |      |      |      | B322 |      |      |      |
|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|      |      |     | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |
| C16  | 16   | PGA | *    | *    | *    | *    | *    | *    | *    | *    |      |      |      |      |      |      |      |      |
|      |      | PGB | *    | *    | *    | *    | *    | *    | *    | *    |      |      |      |      |      |      |      |      |
| C18  | 18   | PGA | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |      |      |      |      |
|      |      | PGB | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |      |      |      |      |
| C20  | 20   | PGA | 271  | 211  | *    | *    | *    | *    | *    | *    | 270  | *    | *    | *    | *    | *    | *    | *    |
|      |      | PGB | 814  | 865  | 839  | 761  | *    | *    | *    | *    | 899  | 920  | 813  | 622  | *    | *    | *    | *    |
| C22  | 22.4 | PGA | 276  | 222  | *    | *    | 286  | 226  | *    | *    | 279  | *    | *    | *    | 270  | *    | *    | *    |
|      |      | PGB | 795  | 850  | 836  | 774  | 833  | 888  | 864  | 789  | 881  | 910  | 824  | 661  | 907  | 920  | 793  | 576  |
| C25  | 25   | PGA | 281  | 241  | *    | *    | 297  | 250  | *    | *    | 292  | *    | *    | *    | 291  | *    | *    | *    |
|      |      | PGB | 763  | 826  | 833  | 803  | 816  | 880  | 881  | 840  | 846  | 889  | 841  | 732  | 893  | 926  | 844  | 688  |
| C28  | 28   | PGA | 285  | 257  | 200  | *    | 241  | 269  | *    | *    | 301  | 244  | *    | *    | 306  | *    | *    | *    |
|      |      | PGB | 731  | 800  | 828  | 826  | 826  | 854  | 878  | 869  | 811  | 868  | 855  | 794  | 857  | 906  | 869  | 773  |
| C32  | 31.5 | PGA | 279  | 260  | 216  | *    | 302  | 279  | 227  | *    | 299  | 257  | *    | *    | 312  | 256  | *    | *    |
|      |      | PGB | 688  | 760  | 799  | 814  | 782  | 824  | 863  | 874  | 759  | 822  | 831  | 802  | 821  | 881  | 871  | 815  |
| C36  | 35.5 | PGA | 278  | 265  | 228  | *    | 302  | 277  | 235  | *    | 297  | 265  | *    | *    | 306  | 263  | *    | *    |
|      |      | PGB | 666  | 739  | 786  | 813  | 749  | 779  | 825  | 849  | 731  | 798  | 821  | 813  | 767  | 830  | 839  | 810  |
| C40  | 40   | PGA | 267  | 258  | 266  | 175  | 293  | 277  | 240  | *    | 287  | 262  | 208  | *    | 302  | 266  | *    | *    |
|      |      | PGB | 627  | 698  | 747  | 779  | 703  | 754  | 805  | 836  | 686  | 753  | 783  | 786  | 728  | 804  | 822  | 808  |
| C45  | 45   | PGA | 253  | 247  | 221  | 179  | 289  | 270  | 240  | 190  | 270  | 251  | 207  | *    | 291  | 263  | 206  | *    |
|      |      | PGB | 582  | 650  | 700  | 737  | 679  | 712  | 765  | 801  | 634  | 698  | 733  | 746  | 692  | 758  | 785  | 785  |
| C50  | 50   | PGA | 256  | 257  | 240  | 212  | 278  | 266  | 247  | 216  | 302  | 293  | 260  | 206  | 283  | 269  | 232  | *    |
|      |      | PGB | 561  | 631  | 690  | 739  | 638  | 669  | 730  | 780  | 668  | 744  | 799  | 837  | 641  | 712  | 757  | 783  |
| C56  | 56   | PGA | 251  | 256  | 245  | 229  | 267  | 272  | 260  | 240  | 294  | 293  | 271  | 236  | 312  | 307  | 279  | 234  |
|      |      | PGB | 540  | 611  | 675  | 731  | 595  | 645  | 712  | 771  | 630  | 708  | 772  | 823  | 675  | 755  | 818  | 866  |
| C63  | 63   | PGA | 245  | 251  | 243  | 231  | 268  | 266  | 256  | 242  | 287  | 289  | 272  | 244  | 295  | 297  | 275  | 240  |
|      |      | PGB | 520  | 589  | 654  | 712  | 571  | 622  | 689  | 750  | 608  | 686  | 752  | 808  | 633  | 712  | 776  | 828  |
| C71  | 71   | PGA | 232  | 239  | 232  | 222  | 260  | 259  | 251  | 239  | 272  | 275  | 261  | 238  | 291  | 292  | 273  | 243  |
|      |      | PGB | 487  | 553  | 615  | 671  | 549  | 600  | 666  | 726  | 569  | 643  | 707  | 763  | 612  | 689  | 754  | 808  |
| C80  | 80   | PGA | *    | *    | *    | *    | 252  | 247  | 240  | 231  | *    | *    | *    | *    | 276  | 278  | 262  | 237  |
|      |      | PGB | *    | *    | *    | *    | 529  | 563  | 626  | 684  | *    | *    | *    | *    | 574  | 647  | 710  | 764  |
| C90  | 90   | PGA | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |
|      |      | PGB | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |

\* 敬请垂询

\* On request.

| B323 |      |      |      | B324 |      |      |      | B325 |      |      |      | B326 |      |      |      |     | iN   | Code |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |     |      |      |
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | PGA | 16   | C16  |
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | PGB |      |      |
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | PGA | 18   | C18  |
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | PGB |      |      |
| *    | *    | *    | *    |      |      |      |      |      |      |      |      |      |      |      |      | PGA | 20   | C20  |
| *    | *    | *    | *    |      |      |      |      |      |      |      |      |      |      |      |      | PGB |      |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 22.4 | C22  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGB |      |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 25   | C25  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGB |      |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 28   | C28  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGB |      |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 31.5 | C32  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGB |      |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 35.5 | C36  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGB |      |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 40   | C40  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGB |      |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 45   | C45  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGB |      |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 50   | C50  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGB |      |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 56   | C56  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGB |      |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 63   | C63  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGB |      |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 71   | C71  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGB |      |      |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 80   | C80  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGB |      |      |
|      |      |      |      | *    | *    | *    | *    |      |      |      |      |      |      |      |      | PGA | 90   | C90  |
|      |      |      |      | *    | *    | *    | *    |      |      |      |      |      |      |      |      | PGB |      |      |

\* 敬请垂询

\* On request.

| Code | iN  |     | B4 (kW) |      |      |      |      |      |      |      | B4 (kW) |      |      |      |      |      |      |      |
|------|-----|-----|---------|------|------|------|------|------|------|------|---------|------|------|------|------|------|------|------|
|      |     |     | B405    |      |      |      | B406 |      |      |      | B407    |      |      |      | B408 |      |      |      |
|      |     |     | 960     | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960     | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |
| D10  | 100 | PGA | 26.6    | 28.5 | 29.6 | 30.9 | 30.6 | 32.7 | 34   | 35.4 | 38.8    | 41.4 | 43.1 | 44.8 | 45.3 | 48.2 | 50.2 | 52   |
| D11  | 112 | PGA | 25.6    | 27.5 | 28.6 | 29.8 | 29.9 | 32   | 33.3 | 34.7 | 37.4    | 39.9 | 41.5 | 43.2 | 44   | 46.9 | 48.8 | 50.6 |
| D13  | 125 | PGA | 24.5    | 26.3 | 27.4 | 28.5 | 28.6 | 30.6 | 31.8 | 33.2 | 35.7    | 38.2 | 39.7 | 41.4 | 41.6 | 44.4 | 46.2 | 48   |
| D14  | 140 | PGA | 23.4    | 25.1 | 26.1 | 27.3 | 27.5 | 29.5 | 30.7 | 32   | 33.9    | 36.3 | 37.8 | 39.4 | 40.1 | 42.9 | 44.6 | 46.5 |
| D16  | 160 | PGA | 21.5    | 23.1 | 24.1 | 25.2 | 26.3 | 28.2 | 29.4 | 30.7 | 30.9    | 33.2 | 34.5 | 36.1 | 38.2 | 41   | 42.7 | 44.5 |
| D18  | 180 | PGA | 21.1    | 22.7 | 23.6 | 24.7 | 25.1 | 27   | 28.1 | 29.4 | 30.1    | 32.4 | 33.7 | 35.2 | 36.4 | 39   | 40.7 | 42.5 |
| D20  | 200 | PGA | 20.4    | 21.9 | 22.8 | 23.9 | 23.1 | 24.9 | 25.9 | 27.1 | 29.9    | 32.1 | 33.5 | 35   | 33.2 | 35.7 | 37.2 | 38.9 |
| D22  | 224 | PGA | 19      | 20.4 | 21.3 | 22.3 | 22.7 | 24.4 | 25.4 | 26.7 | 27.8    | 30   | 31.2 | 32.7 | 32.4 | 34.9 | 36.4 | 38.1 |
| D25  | 250 | PGA | 18.5    | 20   | 20.8 | 21.8 | 21.8 | 23.5 | 24.5 | 25.7 | 26.9    | 29   | 30.2 | 31.7 | 32.1 | 34.6 | 36   | 37.8 |
| D28  | 280 | PGA | 17.6    | 19   | 19.8 | 20.9 | 20.4 | 22   | 22.9 | 24.1 | 25.2    | 27.2 | 28.4 | 29.8 | 30   | 32.3 | 33.7 | 35.4 |
| D32  | 315 | PGA | 16.5    | 17.8 | 18.6 | 19.5 | 19.8 | 21.4 | 22.3 | 23.5 | 23.6    | 25.5 | 26.6 | 27.9 | 28.8 | 31.1 | 32.4 | 34.1 |
| D36  | 355 | PGA | 16.0    | 17.3 | 18.1 | 19.0 | 19   | 20.5 | 21.3 | 22.4 | 22.7    | 24.4 | 25.4 | 26.6 | 27.1 | 29.2 | 30.4 | 32   |
| D40  | 400 | PGA | 15.4    | 16.6 | 17.3 | 18.1 | 17.7 | 19.1 | 19.9 | 21   | 21.2    | 22.7 | 23.7 | 24.9 | 25.4 | 27.4 | 28.6 | 30   |

| B409 |      |      |      | B410 |      |      |      | B411 |      |      |      | B412 |      |      |      |     | iN  | Code |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |     |     |      |
| 55.6 | 59.1 | 61.5 | 63.6 | 60.4 | 64.1 | 66.7 | 68.8 | 84.4 | 88.9 | 92.4 | 94.7 | 101  | 106  | 110  | 112  | PGA | 100 | D10  |
| 53.5 | 56.9 | 59.2 | 61.4 | 59   | 62.7 | 65.3 | 67.5 | 80.4 | 84.9 | 88.3 | 90.7 | 97.6 | 102  | 106  | 109  | PGA | 112 | D11  |
| 51   | 54.4 | 56.6 | 58.8 | 56   | 59.7 | 62.1 | 64.3 | 77   | 81.5 | 84.8 | 87.3 | 93.2 | 98.4 | 102  | 105  | PGA | 125 | D13  |
| 48.1 | 51.4 | 53.5 | 55.6 | 53.9 | 57.5 | 59.9 | 62.2 | 72.8 | 77.3 | 80.4 | 83.1 | 88.8 | 94.1 | 97.8 | 100  | PGA | 140 | D14  |
| 44   | 47   | 49   | 51   | 51.3 | 54.9 | 57.2 | 59.5 | 66.4 | 70.7 | 73.6 | 76.2 | 85.1 | 90.4 | 94.1 | 97.2 | PGA | 160 | D16  |
| 42.9 | 46   | 47.9 | 50   | 48.7 | 52.2 | 54.3 | 56.6 | 64.6 | 69   | 71.8 | 74.6 | 80.6 | 85.9 | 89.3 | 92.6 | PGA | 180 | D18  |
| 42   | 45.1 | 47   | 49.1 | 44.6 | 47.8 | 49.8 | 52   | 63.2 | 67.7 | 70.5 | 73.4 | 73.6 | 78.7 | 81.9 | 85.2 | PGA | 200 | D20  |
| 39.3 | 42.3 | 44   | 46.1 | 43.4 | 46.7 | 48.6 | 50.9 | 59.4 | 63.8 | 66.5 | 69.5 | 71.8 | 77   | 80.2 | 83.7 | PGA | 224 | D22  |
| 37.9 | 40.8 | 42.5 | 44.6 | 42.5 | 45.8 | 47.8 | 50.1 | 57.5 | 61.9 | 64.5 | 67.6 | 70.1 | 75.4 | 78.6 | 82.3 | PGA | 250 | D25  |
| 36.1 | 39   | 40.6 | 42.7 | 39.8 | 43   | 44.8 | 47.1 | 55   | 59.3 | 61.8 | 65   | 65.8 | 71   | 74   | 77.7 | PGA | 280 | D28  |
| 33.9 | 36.6 | 38.2 | 40.1 | 38.4 | 41.5 | 43.2 | 45.4 | 51.3 | 55.4 | 57.8 | 60.7 | 63.7 | 68.7 | 71.6 | 75.2 | PGA | 315 | D32  |
| 31.9 | 34.4 | 35.8 | 37.6 | 36.6 | 39.6 | 41.2 | 43.3 | 48.9 | 52.9 | 55.1 | 57.9 | 60.8 | 65.6 | 68.4 | 71.8 | PGA | 355 | D36  |
|      |      |      |      |      |      |      |      | 46.6 | 52.9 | 52.5 | 55.2 | 56.7 | 61.2 | 63.8 | 67   | PGA | 400 | D40  |

|      |     |     | B4 (kW) |      |      |      | B4 (kW) |      |      |      |      |      |      |      |
|------|-----|-----|---------|------|------|------|---------|------|------|------|------|------|------|------|
| Code | iN  |     | B413    |      |      |      | B414    |      |      |      | B415 |      |      |      |
|      |     |     | 960     | 1150 | 1450 | 1740 | 960     | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |
| C90  | 90  | PGA |         |      |      |      |         |      |      |      |      |      |      |      |
| D10  | 100 | PGA | 112     | 117  | 121  | 123  | 130     | 135  | 140  | 142  | 146  | 150  | 156  | 155  |
| D11  | 112 | PGA | 107     | 112  | 116  | 118  | 126     | 132  | 137  | 139  | 139  | 144  | 149  | 150  |
| D13  | 125 | PGA | 102     | 108  | 112  | 114  | 119     | 125  | 130  | 133  | 132  | 138  | 143  | 144  |
| D14  | 140 | PGA | 97.6    | 103  | 107  | 109  | 114     | 120  | 125  | 128  | 128  | 134  | 139  | 141  |
| D16  | 160 | PGA | 92.4    | 97.8 | 101  | 104  | 110     | 116  | 121  | 124  | 121  | 127  | 132  | 135  |
| D18  | 180 | PGA | 87.2    | 92.8 | 96.5 | 99.8 | 103     | 110  | 114  | 118  | 114  | 120  | 125  | 129  |
| D20  | 200 | PGA | 85.2    | 91   | 94.7 | 98.3 | 98.5    | 105  | 109  | 113  | 112  | 119  | 124  | 128  |
| D22  | 224 | PGA | 79.9    | 85.6 | 89.1 | 92.9 | 93.2    | 99.8 | 104  | 108  | 105  | 112  | 117  | 121  |
| D25  | 250 | PGA | 77.3    | 83.1 | 86.6 | 90.6 | 90.6    | 97.4 | 101  | 106  | 102  | 109  | 114  | 119  |
| D28  | 280 | PGA | 73      | 78.8 | 82.1 | 86.3 | 85.2    | 92   | 95.9 | 100  | 95   | 102  | 106  | 112  |
| D32  | 315 | PGA | 69.6    | 75.2 | 78.4 | 82.3 | 82.4    | 89   | 92.7 | 97.4 | 89.7 | 96.9 | 100  | 106  |
| D36  | 355 | PGA | 67      | 68.2 | 76.2 | 79.3 | 77.8    | 84   | 87.6 | 92   | 82.3 | 92.6 | 95   | 103  |
| D40  | 400 | PGA | 63.2    | 65.1 | 72.8 | 76.5 | 74.1    | 80   | 83.4 | 87.6 | 79.6 | 89.1 | 92   | 99   |

| B416 |      |      |      | B417 |      |      |      | B418 |      |      |      |     | iN  | Code |
|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |     |     |      |
|      |      |      |      | 175  | 176  | 178  | 183  |      |      |      |      | PGA | 90  | C90  |
| 160  | 163  | 169  | 168  | 164  | 167  | 170  | 173  | 180  | 182  | 188  | 185  | PGA | 100 | D10  |
| 151  | 155  | 161  | 161  | 157  | 161  | 165  | 167  | 169  | 173  | 179  | 177  | PGA | 112 | D11  |
| 144  | 149  | 155  | 155  | 149  | 154  | 160  | 159  | 161  | 166  | 172  | 171  | PGA | 125 | D13  |
| 137  | 143  | 148  | 150  | 144  | 149  | 156  | 155  | 154  | 159  | 165  | 166  | PGA | 140 | D14  |
| 132  | 138  | 143  | 146  | 136  | 142  | 150  | 147  | 148  | 155  | 160  | 162  | PGA | 160 | D16  |
| 124  | 131  | 136  | 140  | 128  | 135  | 143  | 140  | 139  | 146  | 152  | 155  | PGA | 180 | D18  |
| 117  | 125  | 130  | 134  | 126  | 134  | 143  | 139  | 132  | 140  | 146  | 150  | PGA | 200 | D20  |
| 116  | 123  | 128  | 133  | 117  | 125  | 135  | 130  | 130  | 138  | 144  | 149  | PGA | 224 | D22  |
| 108  | 116  | 120  | 126  | 114  | 122  | 133  | 127  | 122  | 131  | 136  | 142  | PGA | 250 | D25  |
| 104  | 113  | 117  | 123  | 107  | 115  | 126  | 120  | 117  | 127  | 132  | 139  | PGA | 280 | D28  |
| 98.5 | 106  | 110  | 116  | 101  | 109  | 119  | 113  | 110  | 119  | 124  | 131  | PGA | 315 | D32  |
| 92.4 | 99.7 | 103  | 109  | 97   | 102  | 113  | 108  | 104  | 113  | 117  | 123  | PGA | 355 | D36  |
| 88   | 95.2 | 99   | 105  |      |      |      |      | 108  | 110  | 113  | 117  | PGA | 400 | D40  |

B4 (kW)

B4 (kW)

| Code | iN  |     | B419 |      |      |      | B420 |      |      |      | B421 |      |      |      | B422 |      |      |      |
|------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|      |     |     | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |
| C90  | 90  | PGA |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| D10  | 100 | PGA | 227  | 228  | 236  | 230  | 246  | 247  | 255  | 247  | 319  | 311  | 321  | 301  | 344  | 330  | 339  | 312  |
| D11  | 112 | PGA | 216  | 219  | 227  | 223  | 232  | 235  | 243  | 238  | 309  | 306  | 315  | 300  | 322  | 314  | 323  | 302  |
| D13  | 125 | PGA | 205  | 210  | 218  | 216  | 221  | 226  | 234  | 231  | 291  | 291  | 300  | 290  | 313  | 309  | 318  | 303  |
| D14  | 140 | PGA | 198  | 204  | 211  | 212  | 211  | 217  | 225  | 224  | 281  | 284  | 294  | 288  | 294  | 294  | 304  | 294  |
| D16  | 160 | PGA | 187  | 194  | 202  | 204  | 203  | 210  | 218  | 220  | 265  | 271  | 281  | 278  | 284  | 288  | 298  | 292  |
| D18  | 180 | PGA | 175  | 183  | 190  | 194  | 191  | 200  | 208  | 211  | 248  | 256  | 266  | 266  | 269  | 276  | 286  | 285  |
| D20  | 200 | PGA | 174  | 183  | 191  | 196  | 179  | 189  | 196  | 201  | 240  | 251  | 260  | 264  | 251  | 261  | 271  | 274  |
| D22  | 224 | PGA | 163  | 174  | 181  | 187  | 179  | 190  | 198  | 205  | 224  | 237  | 246  | 253  | 243  | 256  | 266  | 273  |
| D25  | 250 | PGA | 158  | 169  | 176  | 184  | 168  | 180  | 187  | 195  | 217  | 232  | 241  | 251  | 227  | 243  | 252  | 262  |
| D28  | 280 | PGA | 148  | 160  | 167  | 175  | 161  | 174  | 182  | 191  | 207  | 224  | 233  | 245  | 220  | 237  | 247  | 260  |
| D32  | 315 | PGA | 140  | 152  | 158  | 166  | 153  | 165  | 172  | 180  | 193  | 209  | 217  | 228  | 240  | 227  | 236  | 248  |
| D36  | 355 | PGA | *    | *    | *    | *    | 144  | 155  | 162  | 170  | *    | *    | *    | *    | 196  | 211  | 220  | 231  |
| D40  | 400 | PGA |      |      |      |      | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    |

\* 敬请垂询

\* On request.

| B423 |      |      |      | B424 |      |      |      | B425 |      |      |      | B426 |      |      |      |     | iN  | Code |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|
| 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 | 960  | 1150 | 1450 | 1740 |     |     |      |
| *    | *    | *    | *    |      |      |      |      | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 90  | C90  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 100 | D10  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 112 | D11  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 125 | D13  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 140 | D14  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 160 | D16  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 180 | D18  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 200 | D20  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 224 | D22  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 250 | D25  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 280 | D28  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 315 | D32  |
| *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | *    | PGA | 355 | D36  |
|      |      |      |      | *    | *    | *    | *    |      |      |      |      |      |      |      |      | PGA | 400 | D40  |

\* 敬请垂询

\* On request.

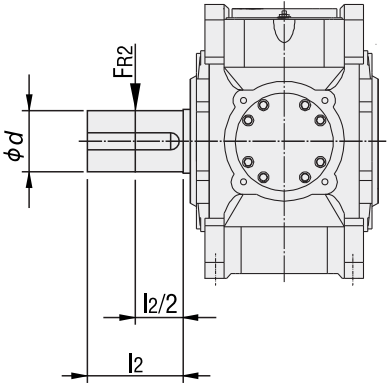


## 9 输出轴允许的附加径向力

## 9 Permissible additional radial force on output shaft

### 9.1 输出轴d上允许的附加径向力

### 9.1 Permissible additional radial force on output shaftd

| 允许的附加径向力FR2 (kN),<br>作用于输出轴轴伸中部                                                   |          |             | Permissible additional radial force FR2 (kN),<br>applied at midpoint of extension of output shaft |    |    |    |    |    |    |    |    |  |
|-----------------------------------------------------------------------------------|----------|-------------|---------------------------------------------------------------------------------------------------|----|----|----|----|----|----|----|----|--|
|  | Type     | Arrangement | 04                                                                                                | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 |  |
|                                                                                   | H2. . HS | A+B+G+H     | 10                                                                                                | 22 | 22 | 30 | 30 | 30 | 45 | 64 | 64 |  |
|                                                                                   |          | C+D         | 10                                                                                                | 13 | 13 | 18 | 18 | 20 | 28 | 35 | 35 |  |
|                                                                                   | H3. . HS | A+B+G+H     |                                                                                                   | 29 | 29 | 40 | 40 | 40 | 60 | 85 | 85 |  |
|                                                                                   |          | C+D         |                                                                                                   | 18 | 18 | 26 | 26 | 30 | 40 | 50 | 50 |  |
|                                                                                   | H4. . HS | C+D         |                                                                                                   |    |    | 40 | 40 | 40 | 60 | 85 | 85 |  |
|                                                                                   |          | A+B+G+H     |                                                                                                   | 18 | 18 | 26 | 26 | 30 | 40 | 50 | 50 |  |
|                                                                                   | B2. . HS | A+C         | 13                                                                                                | 27 | 27 | 37 | 37 | 38 | 55 | 78 | 78 |  |
|                                                                                   |          | B+D         | 12                                                                                                | 15 | 15 | 17 | 17 | 20 | 30 | 35 | 35 |  |
|                                                                                   | B3. . HS | A+C         | 14                                                                                                | 29 | 29 | 40 | 40 | 40 | 60 | 85 | 85 |  |
|                                                                                   |          | B+D         |                                                                                                   | 18 | 18 | 26 | 26 | 30 | 40 | 50 | 50 |  |
|                                                                                   | B4. . HS | A+C         |                                                                                                   | 29 | 29 | 40 | 40 | 40 | 60 | 85 | 85 |  |
|                                                                                   |          | B+D         |                                                                                                   | 18 | 18 | 26 | 26 | 30 | 40 | 50 | 50 |  |

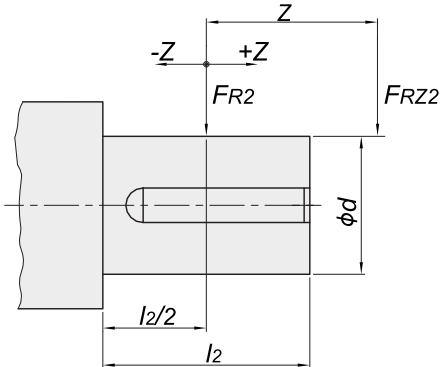
| Type     | Arrangement | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  |
|----------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| H2. . HS | A+B+G+H     | 150 | 150 | 160 | 205 | 205 | 205 | 365 | 372 | 395 | 400 | 470 | 465 | 460 | 530 |
|          | C+D         | 112 | 112 | 120 | 135 | 135 | 135 | 284 | 305 | 308 | 330 | 365 | 380 | 355 | 430 |
| H3. . HS | A+B+G+H     | 190 | 190 | 200 | 265 | 265 | 265 | 365 | 372 | 395 | 400 | 470 | 465 | 460 | 530 |
|          | C+D         | 150 | 150 | 160 | 185 | 185 | 190 | 284 | 305 | 308 | 330 | 365 | 380 | 355 | 430 |
| H4. . HS | C+D         | 190 | 190 | 200 | 265 | 265 | 265 | 365 | 372 | 395 | 400 | 470 | 465 | 460 | 530 |
|          | A+B+G+H     | 150 | 150 | 160 | 185 | 185 | 190 | 284 | 305 | 308 | 330 | 365 | 380 | 355 | 430 |
| B2. . HS | A+C         | 160 | 160 | 170 | 210 | 210 | 210 |     |     |     |     |     |     |     |     |
|          | B+D         | 110 | 110 | 115 | 145 | 145 | 145 |     |     |     |     |     |     |     |     |
| B3. . HS | A+C         | 190 | 190 | 200 | 265 | 265 | 265 | 365 | 372 | 395 | 400 | 470 | 465 | 460 | 530 |
|          | B+D         | 150 | 150 | 160 | 185 | 185 | 190 | 284 | 305 | 308 | 330 | 365 | 380 | 355 | 430 |
| B4. . HS | A+C         | 190 | 190 | 200 | 265 | 265 | 265 | 365 | 372 | 395 | 400 | 470 | 465 | 460 | 530 |
|          | B+D         | 150 | 150 | 160 | 185 | 185 | 190 | 284 | 305 | 308 | 330 | 365 | 380 | 355 | 430 |

注：1.如果给定了力的作用角和旋转方向，通常情况下，可允许承受较大的附加力。请与我司联系。  
2.\*允许的附加径向力FR2(KN)，作用于输出轴端中部，当作用力不在轴端中部时，请参见9.2。  
3.基础螺栓的最低性能等级为8.8级。基础必须干燥，不得有油脂。如用户要求，允许输入轴d1上附加径向力，具体请与我司联系。

Note: 1. If the angle of applied force and the direction of rotation are given, higher additional force can mostly allowed. Please consult us.  
2.\* Permissible Additional Radial Forces FR2(kN) acting on the center of the output shaft. For application offorce outside the center of the shaft end, see 9.2.  
3. Lowest performance level of foundation bolt is 8.8. The foundation should be dry and grease free. If customers have requirements, radial force is allowed to be applied at input shaft d1. Please consult us.

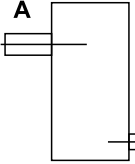
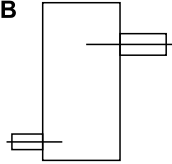
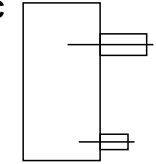
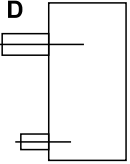
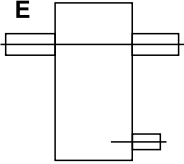
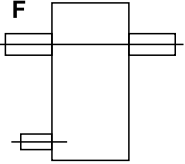
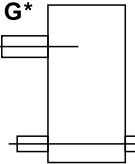
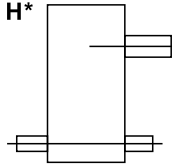
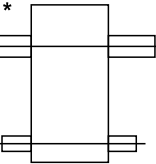
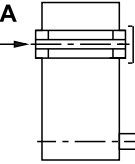
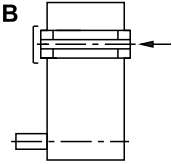
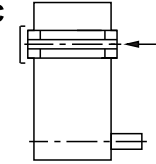
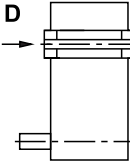
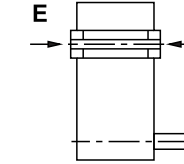
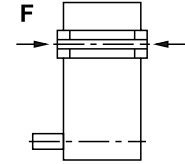
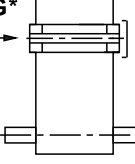
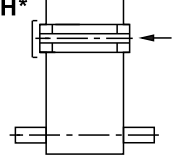
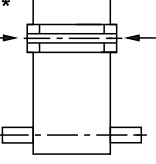
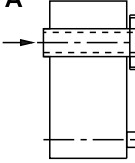
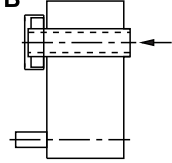
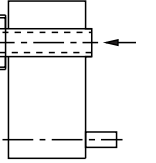
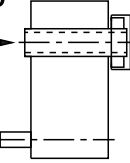
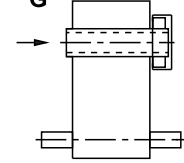
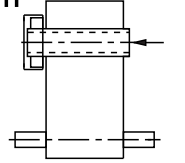
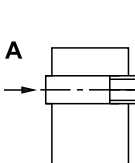
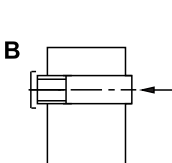
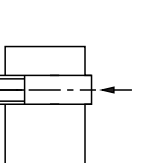
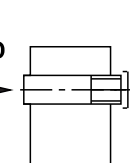
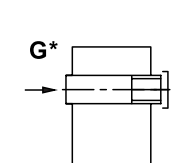
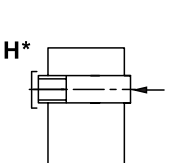
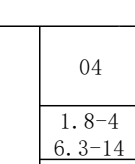
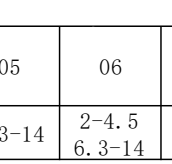
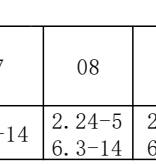
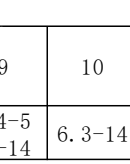
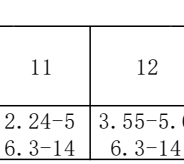
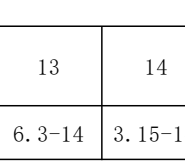
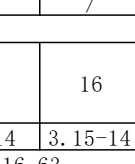
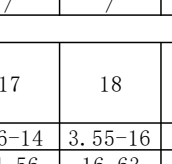
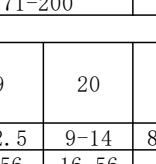
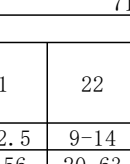
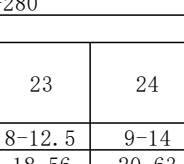
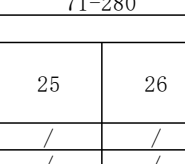
9.2 输出轴d上允许的附加径向力  
(作用力不在输出轴轴伸中部)

9.2 Additional radial force  
allowed on output shaftd

|                                                                   |           |                                                                                   |                 |                                                                                       |                                                                                 |      |      |      |   |      |      |      |      |      |      |      |      |      |      |                        |  |
|-------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------|------|------|---|------|------|------|------|------|------|------|------|------|------|------------------------|--|
| <div><math display="block">F_{RZ2} = F_{R2} \times k</math></div> |           |  | $F_{RZ2}$       | 允许的外部<br>径向力                                                                          | Permissible<br>external<br>radial force                                         |      |      |      |   |      |      |      |      |      |      |      |      |      |      |                        |  |
|                                                                   |           |                                                                                   | $F_{R2}$        | 允许的附加<br>径向力<br>根据9.1表<br>确定。                                                         | Permissible<br>additional radia<br>forceDetermined<br>according to<br>table 9.1 |      |      |      |   |      |      |      |      |      |      |      |      |      |      |                        |  |
|                                                                   |           | $k$                                                                               | 作用力系数<br>根据下表确定 | Applied force<br>factor should<br>bedetermined<br>according to the<br>following table |                                                                                 |      |      |      |   |      |      |      |      |      |      |      |      |      |      |                        |  |
| 作用力系数k                                                            |           |                                                                                   |                 |                                                                                       |                                                                                 |      |      |      |   |      |      |      |      |      |      |      |      |      |      | Applied force factor k |  |
| Type                                                              | 距离z/ (mm) |                                                                                   |                 |                                                                                       |                                                                                 |      |      |      |   |      |      |      |      |      |      |      |      |      |      | Distance z (mm)        |  |
|                                                                   | -300      | -250                                                                              | -200            | -150                                                                                  | -100                                                                            | -75  | -50  | -25  | 0 | 25   | 50   | 75   | 100  | 150  | 200  | 250  | 300  | 350  | 400  |                        |  |
| 04                                                                |           |                                                                                   |                 |                                                                                       |                                                                                 |      | 1.17 | 1.08 | 1 | 0.86 | 0.76 | 0.68 | 0.62 | 0.52 | 0.44 |      |      |      |      |                        |  |
| 05/06                                                             |           |                                                                                   |                 |                                                                                       |                                                                                 | 1.22 | 1.14 | 1.06 | 1 | 0.88 | 0.79 | 0.72 | 0.66 | 0.62 | 0.52 | 0.44 |      |      |      |                        |  |
| 07/08                                                             |           |                                                                                   |                 |                                                                                       |                                                                                 | 1.19 | 1.12 | 1.06 | 1 | 0.89 | 0.81 | 0.74 | 0.68 | 0.58 | 0.51 | 0.46 | 0.41 |      |      |                        |  |
| 09/10                                                             |           |                                                                                   |                 |                                                                                       | 1.22                                                                            | 1.15 | 1.10 | 1.05 | 1 | 0.90 | 0.82 | 0.76 | 0.70 | 0.61 | 0.54 | 0.48 | 0.44 |      |      |                        |  |
| 11/12                                                             |           |                                                                                   |                 |                                                                                       | 1.18                                                                            | 1.13 | 1.08 | 1.04 | 1 | 0.91 | 0.84 | 0.78 | 0.73 | 0.64 | 0.57 | 0.51 | 0.47 |      |      |                        |  |
| 13/14                                                             |           |                                                                                   |                 | 1.24                                                                                  | 1.15                                                                            | 1.11 | 1.07 | 1.03 | 1 | 0.92 | 0.86 | 0.80 | 0.75 | 0.67 | 0.60 | 0.55 | 0.50 |      |      |                        |  |
| 15/16                                                             |           |                                                                                   |                 | 1.20                                                                                  | 1.12                                                                            | 1.09 | 1.06 | 1.03 | 1 | 0.93 | 0.87 | 0.82 | 0.77 | 0.69 | 0.63 | 0.58 | 0.53 |      |      |                        |  |
| 17/18                                                             |           |                                                                                   | 1.25            | 1.17                                                                                  | 1.11                                                                            | 1.08 | 1.05 | 1.03 | 1 | 0.94 | 0.88 | 0.84 | 0.79 | 0.72 | 0.66 | 0.60 | 0.56 |      |      |                        |  |
| 19/20                                                             |           |                                                                                   | 1.22            | 1.13                                                                                  | 1.10                                                                            | 1.06 | 1.04 | 1.02 | 1 | 0.95 | 0.90 | 0.85 | 0.81 | 0.74 | 0.69 | 0.62 | 0.58 |      |      |                        |  |
| 21/22                                                             |           | 1.27                                                                              | 1.21            | 1.12                                                                                  | 1.09                                                                            | 1.05 | 1.04 | 1.02 | 1 | 0.96 | 0.92 | 0.86 | 0.83 | 0.75 | 0.71 | 0.64 | 0.60 |      |      |                        |  |
| 23/24                                                             |           | 1.27                                                                              | 1.20            | 1.10                                                                                  | 1.08                                                                            | 1.04 | 1.03 | 1.02 | 1 | 0.97 | 0.93 | 0.87 | 0.84 | 0.77 | 0.72 | 0.65 | 0.61 |      |      |                        |  |
| 25/26                                                             | 1.29      | 1.22                                                                              | 1.18            | 1.08                                                                                  | 1.07                                                                            | 1.03 | 1.03 | 1.02 | 1 | 0.98 | 0.96 | 0.87 | 0.83 | 0.76 | 0.70 | 0.64 | 0.61 | 0.55 | 0.51 |                        |  |

**10 布置形式**  
10.1 H系列布置形式  
10.1.1 轴布置

**10 Shaft assemblies**  
10.1 H series shaft assemblies  
10.1.1 Shaft assemblies

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| H...HS<br>H...VS                 |                   |  |  |  |  |  |  |  |  |  |  |  |
|                                  |                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |  |  |
| H...HH<br>H...VH<br>(04-18 Size) |                   |  |  |  |  |  |  |  |  |  |  |  |
|                                  |                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |
| H...HD<br>H...VD<br>(04-18 Size) |       |  |  |  |  |  |  |  |  |  |  |  |
|                                  |       |  |  |  |  |  |  |  |  |  |  |  |
| H...HK<br>H...VK<br>(04-18 Size) |       |  |  |  |  |  |  |  |  |  |  |  |
|                                  |       |  |  |  |  |  |  |  |  |  |  |  |

| Type \ Size<br>iN |                 |        |                 |        |                  |                  |        |                  |                    |        |         |  |
|-------------------|-----------------|--------|-----------------|--------|------------------|------------------|--------|------------------|--------------------|--------|---------|--|
|                   | 04              | 05     | 06              | 07     | 08               | 09               | 10     | 11               | 12                 | 13     | 14      |  |
| H2                | 1.8-4<br>6.3-14 | 6.3-14 | 2-4.5<br>6.3-14 | 6.3-14 | 2.24-5<br>6.3-14 | 2.24-5<br>6.3-14 | 6.3-14 | 2.24-5<br>6.3-14 | 3.55-5.6<br>6.3-14 | 6.3-14 | 3.15-14 |  |
| H3                | /               | 16-63  |                 |        |                  |                  |        |                  |                    |        | 16-63   |  |
| H4                | /               | /      | /               | 71-200 |                  |                  | 71-280 |                  |                    |        | 71-280  |  |

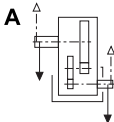
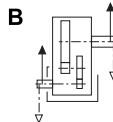
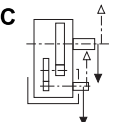
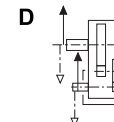
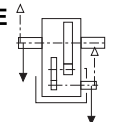
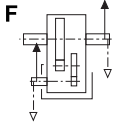
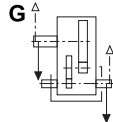
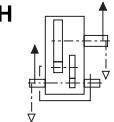
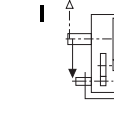
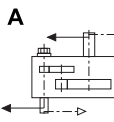
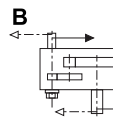
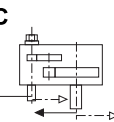
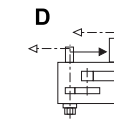
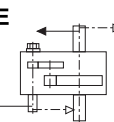
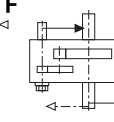
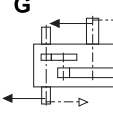
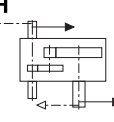
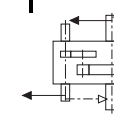
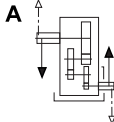
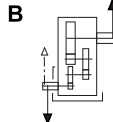
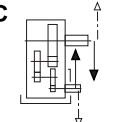
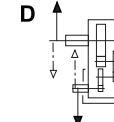
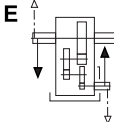
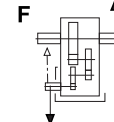
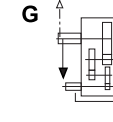
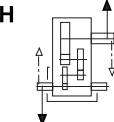
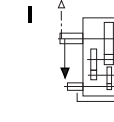
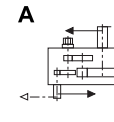
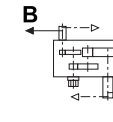
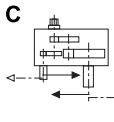
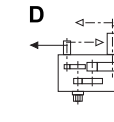
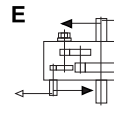
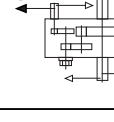
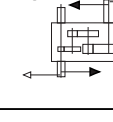
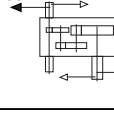
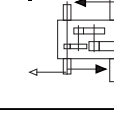
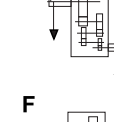
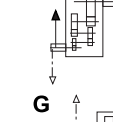
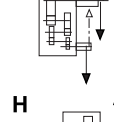
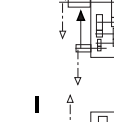
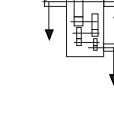
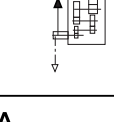
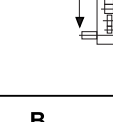
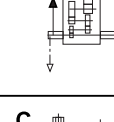
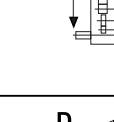
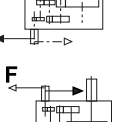
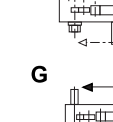
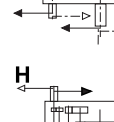
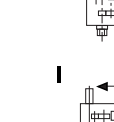
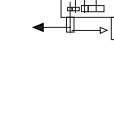
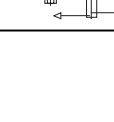
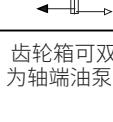
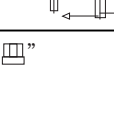
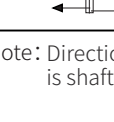
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|-------------------|--------|---------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
|                   | 6.3-14 | 3.15-14 | 5.6-14 | 3.55-16 | 8-12.5 | 9-14   | 8-12.5 | 9-14   | 8-12.5 | 9-14   | /      | /      |
| H2                | 6.3-14 | 3.15-14 | 5.6-14 | 3.55-16 | 8-12.5 | 9-14   | 8-12.5 | 9-14   | 8-12.5 | 9-14   | /      | /      |
| H3                | 16-63  | 14-56   | 16-63  | 16-63   | 16-56  | 16-56  | 18-56  | 20-63  | 18-56  | 20-63  | /      | /      |
| H4                | 71-280 | 63-250  | 71-280 | 71-280  | 71-250 | 71-280 | 71-250 | 71-280 | 63-250 | 71-280 | 63-250 | 63-250 |

注：\*当布置形式G/H/在右表iN中可  
供货。

Note：\*Shaft assemblies G/H/I is available  
when nominal ratio is within the range  
of value showed in right table.

10.1.2 旋转方向关系

10.1.2 Direction of rotation

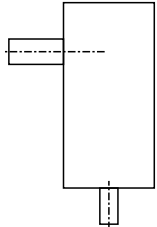
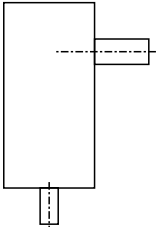
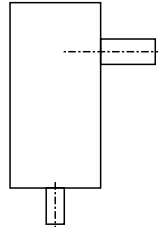
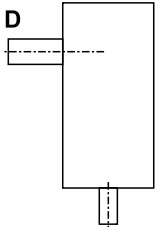
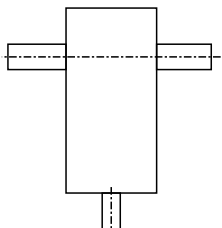
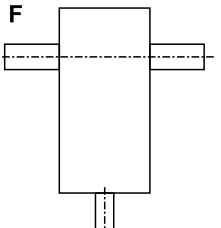
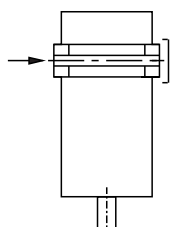
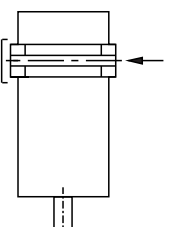
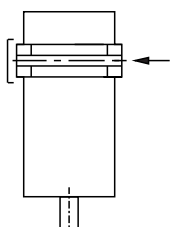
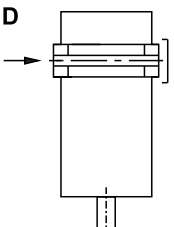
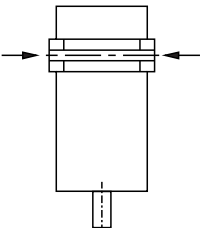
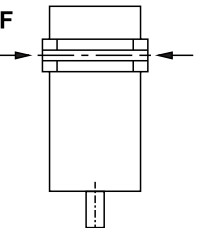
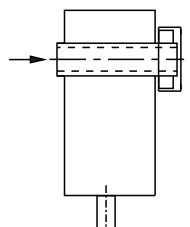
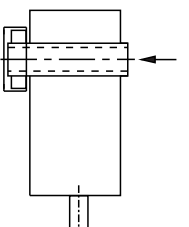
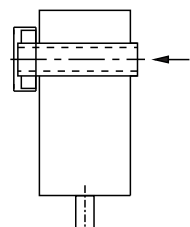
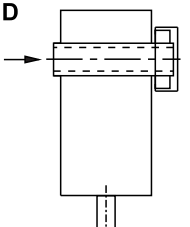
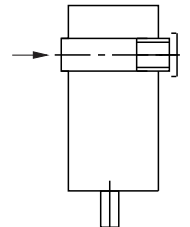
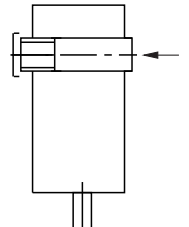
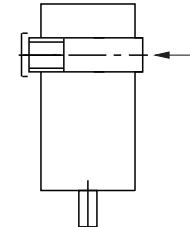
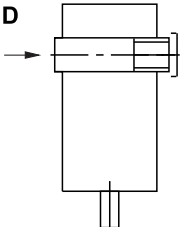
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H2..H |     <br>                      |
| H2..V |     <br>                      |
| H3..H |     <br>         |
| H3..V |     <br>    |
| H4..H |     <br>    |
| H4..V |     <br>    |

注：齿轮箱可双向运转,图中“”为轴端油泵。

Note: Direction of rotation is reversible,"  " is shaft end oil pump.

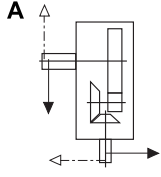
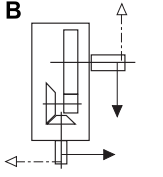
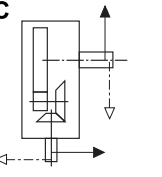
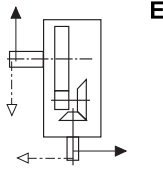
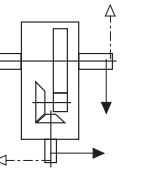
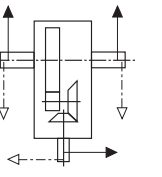
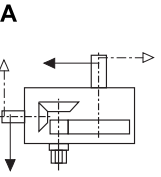
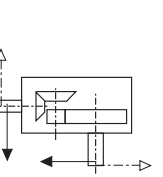
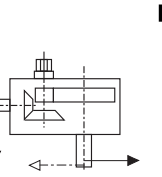
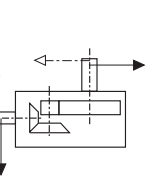
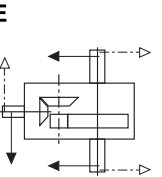
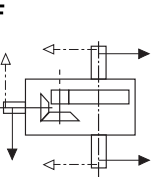
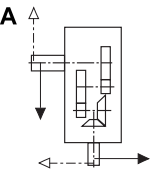
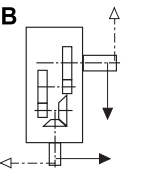
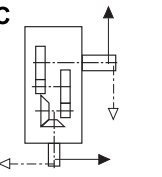
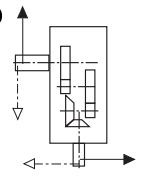
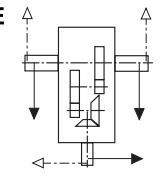
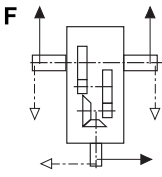
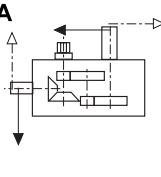
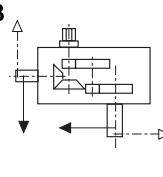
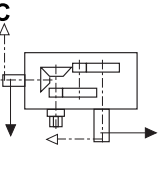
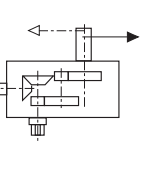
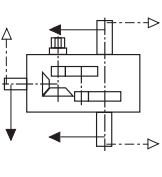
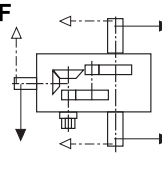
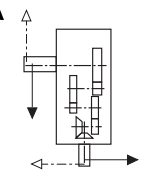
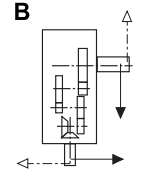
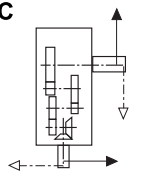
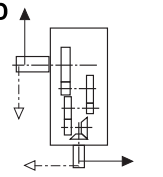
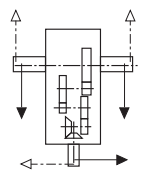
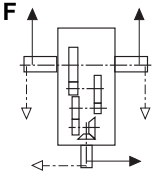
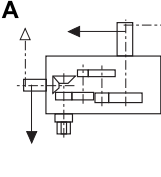
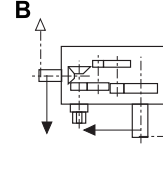
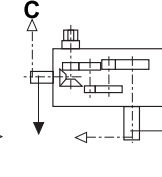
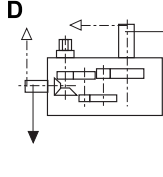
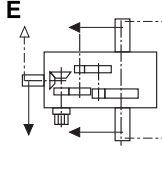
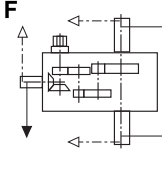
10.2 B系列布置形式  
10.2.1 轴布置

10.2 B series shaft assemblies  
10.2.1 Shaft assemblies

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>B...HS<br/>B...VS</p>                  | <div> <div>A</div> <div>B</div> <div>C</div> <div>D</div> <div>E</div> <div>F</div> </div>         |
| <p>B...HH<br/>B...VH<br/>(04-18 Size)</p> | <div> <div>A</div> <div>B</div> <div>C</div> <div>D</div> <div>E</div> <div>F</div> </div> |
| <p>B...HD<br/>B...VD<br/>(04-18 Size)</p> | <div> <div>A</div> <div>B</div> <div>C</div> <div>D</div> </div>                                                                                                                                                                                             |
| <p>B...HK<br/>B...VK<br/>(04-18 Size)</p> | <div> <div>A</div> <div>B</div> <div>C</div> <div>D</div> </div>                                                                                                                                                                                             |

## 10.2.2 旋转方向关系

## 10.2.2 Direction of rotation

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B2..H |                   |
| B2..V |                   |
| B3..H |             |
| B3..V |       |
| B4..H |       |
| B4..V |       |

注：1. 齿轮箱可双向运转，图中“”为轴端油泵。  
2. B2空心输出以及B2实心输出B/D/E/F布置形式时，不带轴端油泵和逆止器，若需安装，敬请垂询。

Note: 1. Direction of rotation is reversible, " " is shaft end oil pump.  
2. Two stage reduction B series gear unit is not equipped with backstop and shaft end oil pump when solid and hollow output shaft assemblies is B/D/E/F, please consult us if shaft end oil pump and backstop are needed.

### 10.3 逆止器布置及 轴旋转方向关系

### 10.3 Backstop assemblies and direction of shaft rotation direction

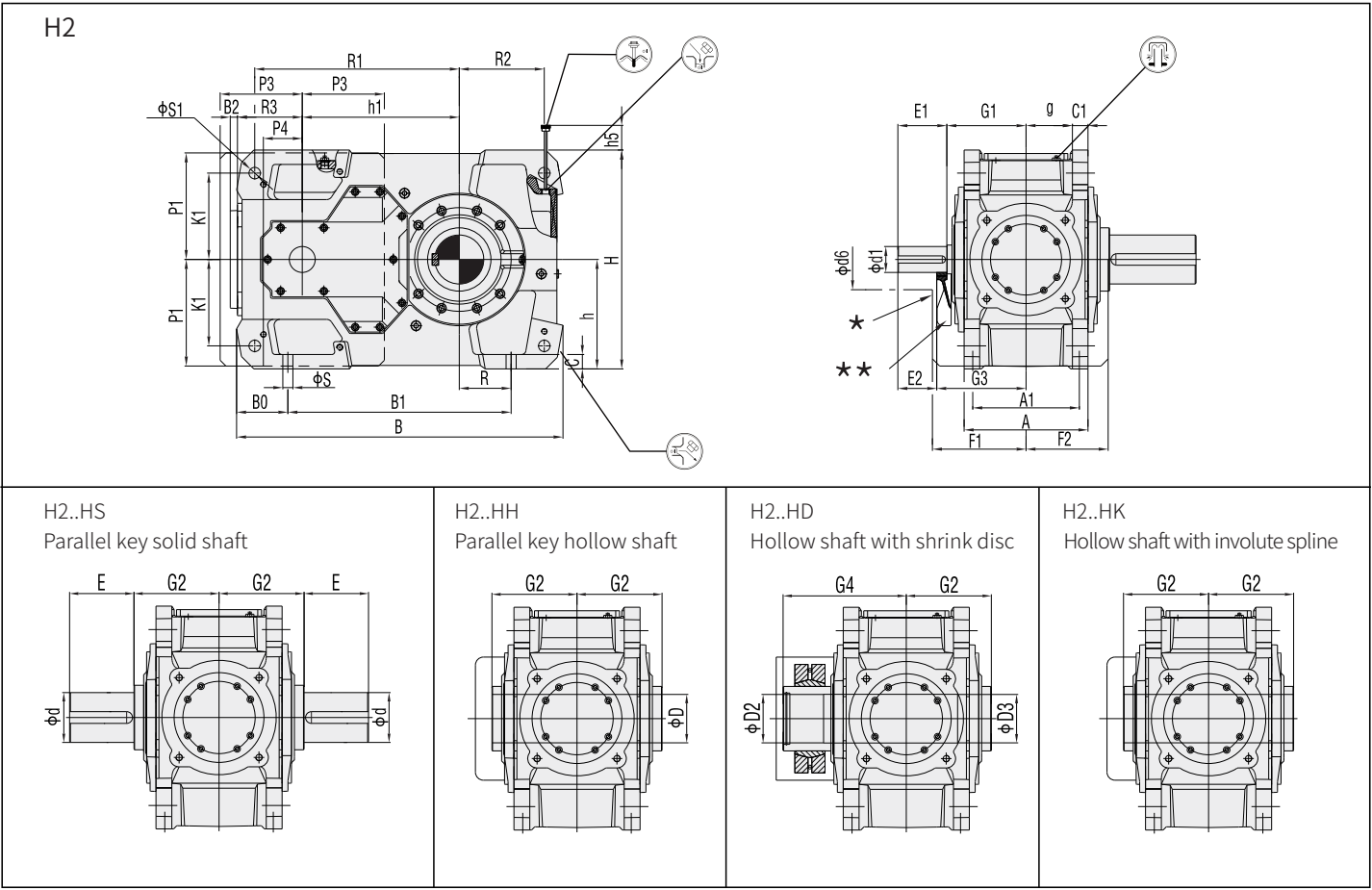
|                                      |              |              |              |              |              |              |
|--------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| H3...S<br>H3...H<br>H3...D<br>H3...K | <b>A</b><br> | <b>B</b><br> | <b>C</b><br> | <b>D</b><br> | <b>E</b><br> | <b>F</b><br> |
| H4...S<br>H4...H<br>H4...D<br>H4...K | <b>A</b><br> | <b>B</b><br> | <b>C</b><br> | <b>D</b><br> | <b>E</b><br> | <b>F</b><br> |
| B2...S<br>B2...H<br>B2...D<br>B2...K | <b>A</b><br> | /            | <b>C</b><br> | /            | /            | /            |
| B3...S<br>B3...H<br>B3...D<br>B3...K | <b>A</b><br> | <b>B</b><br> | <b>C</b><br> | <b>D</b><br> | <b>E</b><br> | <b>F</b><br> |
| B4...S<br>B4...H<br>B4...D<br>B4...K | <b>A</b><br> | <b>B</b><br> | <b>C</b><br> | <b>D</b><br> | <b>E</b><br> | <b>F</b><br> |

注：1. 齿轮箱配逆止器只能单向运转，订货时需注明输出轴旋转方向。  
2. H2系列不装逆止器。  
3. 所有H/B系列轴端油泵与逆止器不共存若客户需同时安装，敬请垂询。

Note: 1. Gearbox with backstop only makes unidirectional rotation. Output shaft rotation direction has to be indicated when being ordered.  
2. H2 series doesn't have backstop.  
3. Shaft end oil pump can not be installed with backstop for all HB series, please consult us if both shaft end oil pump and backstop needed to be installed.

# 11 外型尺寸 H204H-H212H

# 11 Outline dimension H204H-H212H



★ 风扇罩  
★★ 冷却风扇(附件代号UF21)

★ Fan guard  
★★ Cooling fan(Accessory code:UF21)

| Size | $iN \leq 3.15$ (Size: 04)<br>$iN \leq 3.55$ (Size: 06)<br>$iN \leq 4$ (Size: 08, 09, 11)<br>$iN \leq 5.6$ (Size: 12) |     |     | $3.55 \leq iN \leq 5.6$ (Size: 04)<br>$4 \leq iN \leq 5.6$ (Size: 06)<br>$4.5 \leq iN \leq 5.6$ (Size: 08, 09, 11) |     |     | $6.3 \leq iN \leq 11.2$ |     |     | $12.5 \leq iN \leq 22.4$ |     |     | A   | A1  | B    | B0  | B1  | B2 | C  | C1     | d     | d6  | D     | D2    | D3    | E   |
|------|----------------------------------------------------------------------------------------------------------------------|-----|-----|--------------------------------------------------------------------------------------------------------------------|-----|-----|-------------------------|-----|-----|--------------------------|-----|-----|-----|-----|------|-----|-----|----|----|--------|-------|-----|-------|-------|-------|-----|
|      | d1                                                                                                                   | E1  | E2  | d1                                                                                                                 | E1  | E2  | d1                      | E1  | E2  | d1                       | E1  | E2  |     |     |      |     |     |    |    |        |       |     |       |       |       |     |
| 04   | 45k6                                                                                                                 | 110 | 90  | 32k6                                                                                                               | 80  | 60  | 45k6                    | 110 | 90  | 32k6                     | 80  | 60  | 215 | 180 | 586  | 112 | 355 | 16 | 28 | 30±1   | 80m6  | 140 | 80H7  | 85H7  | 85H7  | 170 |
| 05   | /                                                                                                                    | /   | /   | /                                                                                                                  | /   | /   | 50k6                    | 110 | 90  | 38k6                     | 80  | 60  | 255 | 220 | 667  | 113 | 430 | 16 | 28 | 30±1   | 100m6 | 150 | 95H7  | 100H7 | 100H7 | 210 |
| 06   | 50k6                                                                                                                 | 110 | 90  | 38k6                                                                                                               | 80  | 60  | 50k6                    | 110 | 90  | 38k6                     | 80  | 60  | 255 | 220 | 743  | 113 | 510 | 16 | 28 | 30±1   | 110m6 | 150 | 105H7 | 110H7 | 110H7 | 210 |
| 07   | /                                                                                                                    | /   | /   | /                                                                                                                  | /   | /   | 60m6                    | 140 | 110 | 50k6                     | 110 | 80  | 300 | 260 | 816  | 131 | 545 | 20 | 35 | 36±1   | 120m6 | 200 | 115H7 | 120H7 | 120H7 | 210 |
| 08   | 60m6                                                                                                                 | 140 | 110 | 50k6                                                                                                               | 110 | 80  | 60m6                    | 140 | 110 | 50k6                     | 110 | 80  | 300 | 260 | 920  | 131 | 650 | 20 | 35 | 36±1   | 130m6 | 200 | 125H7 | 130H7 | 130H7 | 250 |
| 09   | 75m6                                                                                                                 | 140 | 110 | 60m6                                                                                                               | 140 | 110 | 75m6                    | 140 | 110 | 60m6                     | 140 | 110 | 370 | 320 | 957  | 156 | 635 | 20 | 40 | 45±1.5 | 140m6 | 210 | 135H7 | 140H7 | 140H7 | 250 |
| 10   | /                                                                                                                    | /   | /   | /                                                                                                                  | /   | /   | 75m6                    | 140 | 110 | 60m6                     | 140 | 110 | 370 | 320 | 1062 | 156 | 735 | 20 | 40 | 45±1.5 | 160m6 | 210 | 150H7 | 150H7 | 150H7 | 300 |
| 11   | 90m6                                                                                                                 | 170 | 135 | 70m6                                                                                                               | 140 | 105 | 90m6                    | 170 | 135 | 70m6                     | 140 | 105 | 430 | 370 | 1132 | 178 | 775 | 25 | 50 | 54±1.5 | 170m6 | 220 | 165H7 | 165H7 | 165H7 | 300 |
| 12   | 90m6                                                                                                                 | 170 | 135 | /                                                                                                                  | /   | /   | 90m6                    | 170 | 135 | 70m6                     | 140 | 105 | 430 | 370 | 1292 | 178 | 930 | 25 | 50 | 54±1.5 | 180m6 | 220 | 180H7 | 180H7 | 180H7 | 300 |

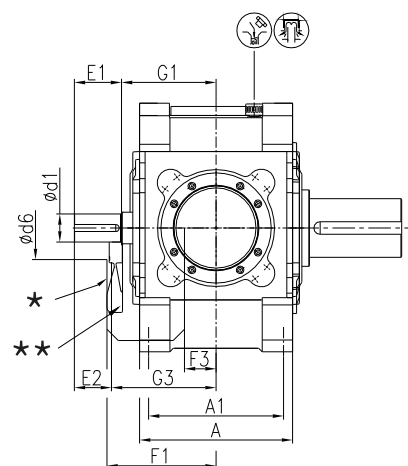
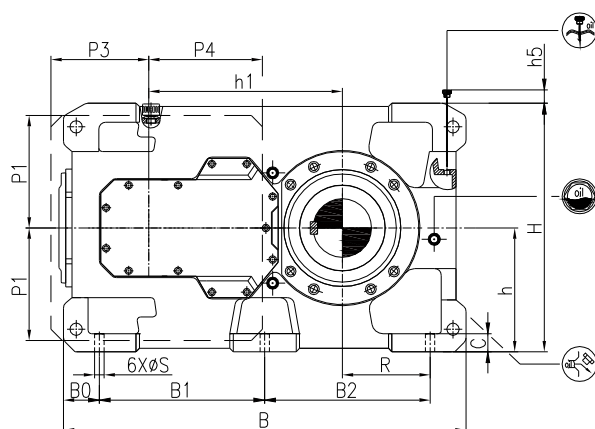
| Size | F1  | F2  | G1  | G2  | G3  | G4  | g    | H   | h   | h1  | h5 | K1  | P1  | P3  | P4  | R   | R1  | R2  | R3  | S  | S1   | Weight (kg) |
|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|------|-------------|
| 04   | 205 | 160 | 170 | 140 | 190 | 205 | 77.5 | 405 | 200 | 270 | 15 | 150 | 195 | 155 | 40  | 85  | 345 | 160 | 110 | 19 | 24H9 | 195         |
| 05   | 230 | 180 | 195 | 165 | 215 | 240 | 97.5 | 460 | 230 | 315 | 15 | 180 | 225 | 165 | 55  | 100 | 405 | 175 | 130 | 19 | 24H9 | 310         |
| 06   | 230 | 180 | 195 | 165 | 215 | 240 | 97.5 | 490 | 230 | 350 | 0  | 180 | 225 | 165 | 55  | 145 | 440 | 220 | 130 | 19 | 24H9 | 385         |
| 07   | 255 | 210 | 210 | 195 | 240 | 280 | 114  | 560 | 280 | 385 | 0  | 215 | 270 | 220 | 70  | 130 | 500 | 215 | 160 | 24 | 28H9 | 519         |
| 08   | 255 | 210 | 210 | 195 | 240 | 285 | 114  | 580 | 280 | 430 | 0  | 215 | 270 | 220 | 70  | 190 | 545 | 275 | 160 | 24 | 28H9 | 624         |
| 09   | 285 | 245 | 240 | 235 | 270 | 330 | 140  | 640 | 320 | 450 | 10 | 245 | 310 | 240 | 95  | 155 | 585 | 260 | 185 | 28 | 36H9 | 828         |
| 10   | 285 | 245 | 240 | 235 | 270 | 350 | 140  | 670 | 320 | 500 | 0  | 245 | 310 | 240 | 95  | 205 | 635 | 310 | 185 | 28 | 36H9 | 1044        |
| 11   | 325 | 285 | 275 | 270 | 310 | 400 | 161  | 760 | 380 | 545 | 30 | 300 | 370 | 285 | 125 | 180 | 710 | 295 | 225 | 35 | 40H9 | 1371        |
| 12   | 325 | 285 | 275 | 270 | 310 | 405 | 161  | 783 | 380 | 615 | 5  | 300 | 370 | 285 | 125 | 265 | 780 | 380 | 225 | 35 | 40H9 | 1644        |



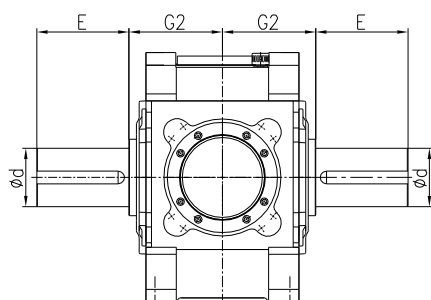
H213H-H218H

H213H-H218H

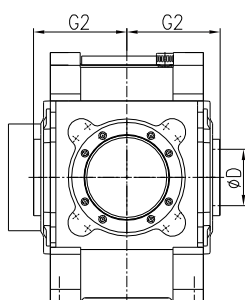
H2



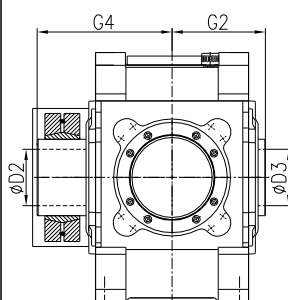
H2..HS  
Parallel key solid shaft



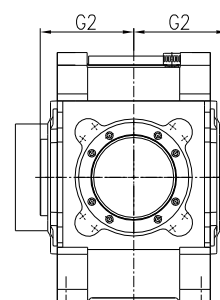
H2..HH  
Parallel key hollow shaft



H2..HD  
Hollow shaft with shrink disc



H2..HK  
Hollow shaft with involute spline



★ 风扇罩  
★★ 冷却风扇(附件代号UF21)

★ Fan guard  
★★ Cooling fan(Accessory code:UF21)

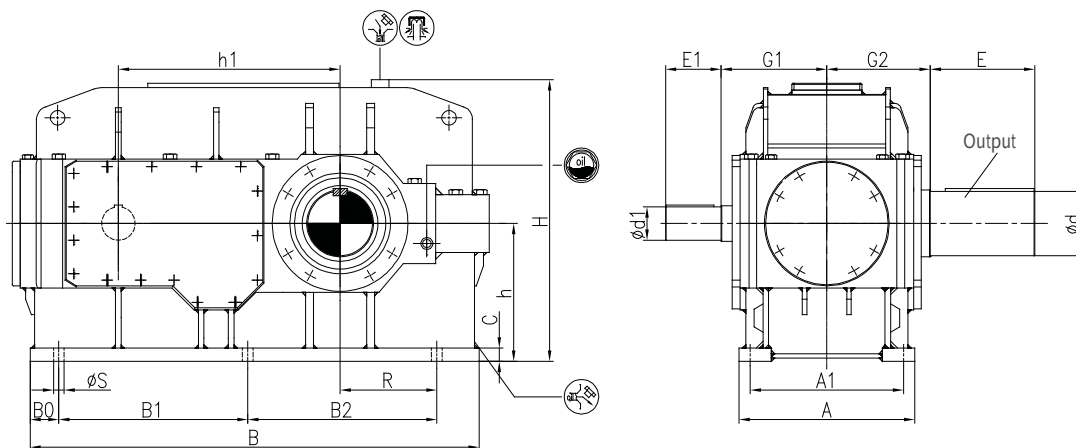
| Size | iN=3. 15-11. 2 |     |     | iN=3. 15-12. 5 |     |     | iN=12. 5-20 |     |     | iN=14-20 |     |     | A   | A1  | B    | B0  | B1  | B2  |
|------|----------------|-----|-----|----------------|-----|-----|-------------|-----|-----|----------|-----|-----|-----|-----|------|-----|-----|-----|
|      | d1             | E1  | E2  | d1             | E1  | E2  | d1          | E1  | E2  | d1       | E1  | E2  |     |     |      |     |     |     |
| 13   | 100m6          | 210 | 175 |                |     |     | 85m6        | 170 | 135 |          |     |     | 545 | 475 | 1375 | 142 | 545 | 545 |
| 14   | 100m6          | 210 | 175 |                |     |     | 85m6        | 170 | 135 |          |     |     | 545 | 475 | 1505 | 137 | 545 | 685 |
| 15   | 120m6          | 210 | 175 |                |     |     | 100m6       | 210 | 175 |          |     |     | 620 | 535 | 1630 | 160 | 655 | 655 |
| 16   | 120m6          | 210 | 175 |                |     |     | 100m6       | 210 | 175 |          |     |     | 620 | 535 | 1720 | 160 | 655 | 745 |
| 17   | 125m6          | 210 | 165 |                |     |     | 110m6       | 210 | 165 |          |     |     | 680 | 600 | 1790 | 160 | 735 | 735 |
| 18   |                |     |     | 125m6          | 210 | 165 |             |     |     | 110m6    | 210 | 165 | 680 | 600 | 1910 | 160 | 735 | 855 |

| Size | C  | d     | d6  | D     | D2    | D3    | E   | F1  | F3  | G1  | G2  | G3  | G4  | H    | h   | h1  | h5 | P1  | P3  | P4  | R   | S  | Weight(kg) |
|------|----|-------|-----|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|----|-----|-----|-----|-----|----|------------|
| 13   | 60 | 200m6 | 250 | 190H7 | 190H7 | 190H7 | 350 | 385 | 135 | 330 | 335 | 365 | 480 | 875  | 440 | 635 | 40 | 400 | 330 | 365 | 305 | 35 | 2075       |
| 14   | 60 | 220m6 | 250 | 210H7 | 210H7 | 210H7 | 350 | 385 | 135 | 330 | 335 | 365 | 480 | 940  | 440 | 705 | 40 | 400 | 330 | 365 | 375 | 35 | 2825       |
| 15   | 70 | 240m6 | 280 | 230H7 | 230H7 | 230H7 | 410 | 430 | 155 | 365 | 380 | 400 | 550 | 1000 | 500 | 762 | 40 | 450 | 370 | 440 | 365 | 42 | 3610       |
| 16   | 70 | 250m6 | 280 | 240H7 | 240H7 | 240H7 | 410 | 430 | 155 | 365 | 380 | 400 | 550 | 1035 | 500 | 808 | 40 | 450 | 370 | 440 | 410 | 42 | 3970       |
| 17   | 80 | 260n6 | 280 | 250H7 | 250H7 | 250H7 | 410 | 485 | 140 | 420 | 415 | 465 | 600 | 1105 | 550 | 860 | 60 | 500 | 435 | 505 | 390 | 42 | 4765       |
| 18   | 80 | 280n6 | 280 | 275H7 | 280H7 | 280H7 | 470 | 485 | 140 | 420 | 415 | 465 | 600 | 1110 | 550 | 920 | 60 | 500 | 435 | 505 | 450 | 42 | 5265       |

H219H~H226H

H219H~H226H

H2

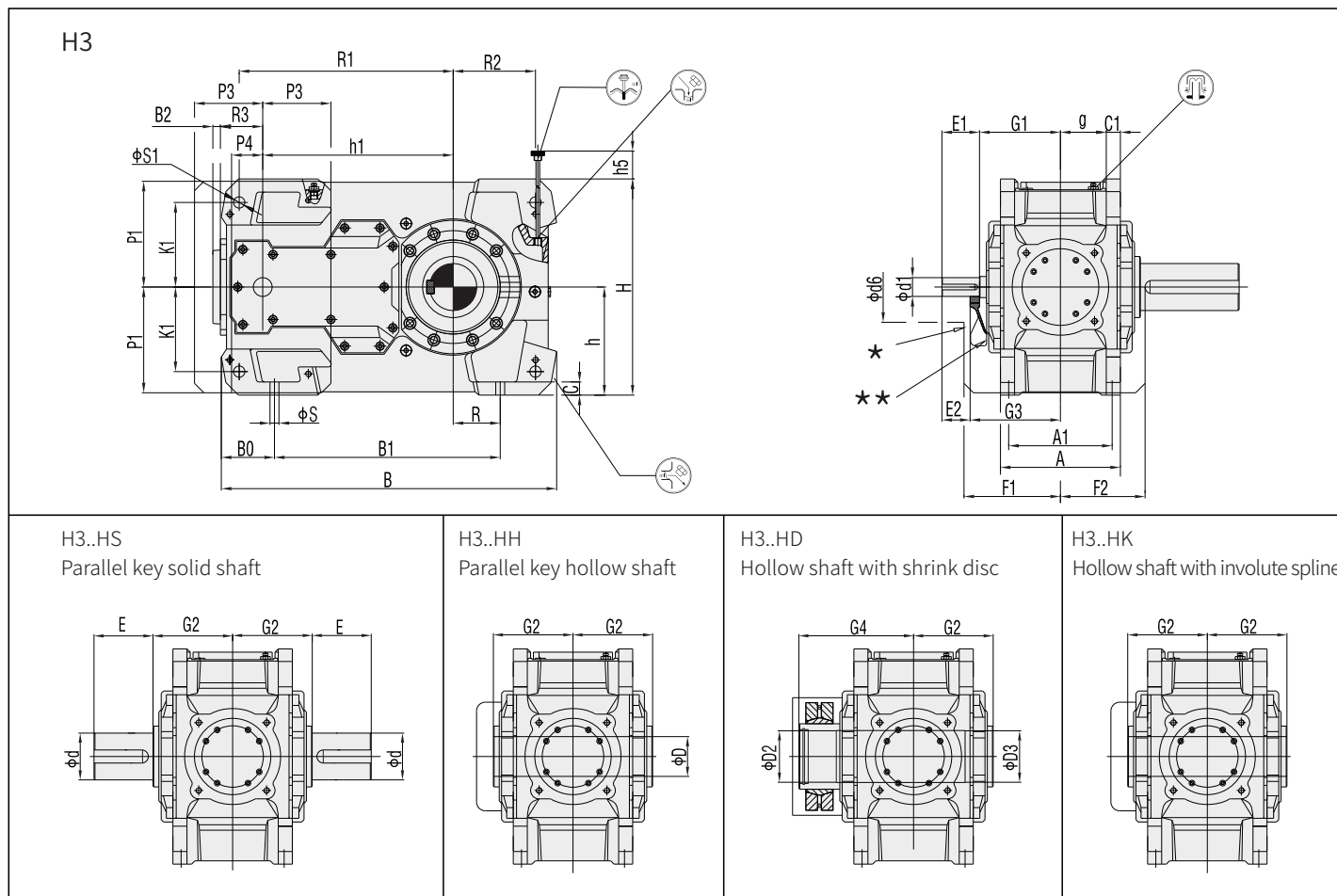


| Size | iN=8~10 |     | iN=9~11.2 |     | iN=10 |     | iN=11.2~18 |     | iN=12.5~20 |     | A    | A1  | B    |
|------|---------|-----|-----------|-----|-------|-----|------------|-----|------------|-----|------|-----|------|
|      | d1      | E1  | d1        | E1  | d1    | E1  | d1         | E1  | d1         | E1  |      |     |      |
| 19   | 150m6   | 250 |           |     |       |     | 120m6      | 210 |            |     | 790  | 690 | 2010 |
| 20   |         |     | 150m6     | 250 |       |     |            |     | 120m6      | 210 | 790  | 690 | 2130 |
| 21   | 170m6   | 300 |           |     |       |     | 140m6      | 250 |            |     | 830  | 720 | 2150 |
| 22   |         |     | 170m6     | 300 |       |     |            |     | 140m6      | 250 | 830  | 720 | 2260 |
| 23   | 190m6   | 350 |           |     |       |     | 150m6      | 250 |            |     | 930  | 810 | 2400 |
| 24   |         |     | 190m6     | 350 |       |     |            |     | 150m6      | 250 | 930  | 810 | 2540 |
| 25   |         |     |           |     | 200m6 | 350 | 170m6      | 300 |            |     | 1050 | 910 | 2695 |
| 26   |         |     |           |     | 200m6 | 350 | 170m6      | 300 |            |     | 1050 | 910 | 2855 |

| Size | B0  | B1   | B2   | C  | d     | E   | G1  | G2  | H    | h   | h1   | R   | S  | Weight (kg) |
|------|-----|------|------|----|-------|-----|-----|-----|------|-----|------|-----|----|-------------|
| 19   | 120 | 850  | 850  | 60 | 290m6 | 470 | 475 | 465 | 1270 | 620 | 997  | 435 | 48 | 6600        |
| 20   | 120 | 850  | 970  | 60 | 310m6 | 470 | 475 | 465 | 1270 | 620 | 1057 | 495 | 48 | 7600        |
| 21   | 155 | 900  | 900  | 70 | 330m6 | 550 | 495 | 490 | 1425 | 700 | 1067 | 485 | 56 | 9000        |
| 22   | 155 | 900  | 1010 | 70 | 350m6 | 550 | 495 | 490 | 1425 | 700 | 1122 | 540 | 56 | 9800        |
| 23   | 155 | 1010 | 1010 | 80 | 370m6 | 550 | 560 | 540 | 1565 | 780 | 1185 | 550 | 56 | 12500       |
| 24   | 155 | 1010 | 1140 | 80 | 390m6 | 650 | 560 | 540 | 1565 | 780 | 1250 | 615 | 56 | 14000       |
| 25   | 230 | 1090 | 1090 | 90 | 410m6 | 650 | 600 | 605 | 1785 | 860 | 1325 | 590 | 66 | 16800       |
| 26   | 230 | 1090 | 1270 | 90 | 430m6 | 650 | 600 | 605 | 1785 | 860 | 1415 | 680 | 66 | 18600       |

H305H-H312H

H305H-H312H



★ 风扇罩  
★★ 冷却风扇 (附件代号UF21)

★ Fan guard  
★★ Cooling fan (Accessory code:UF21)

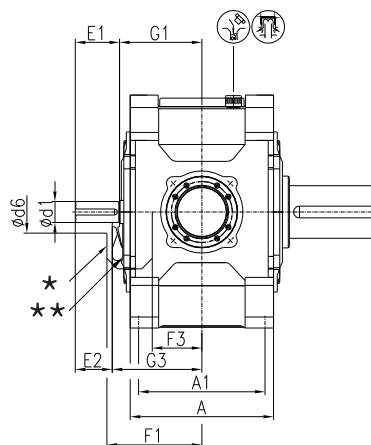
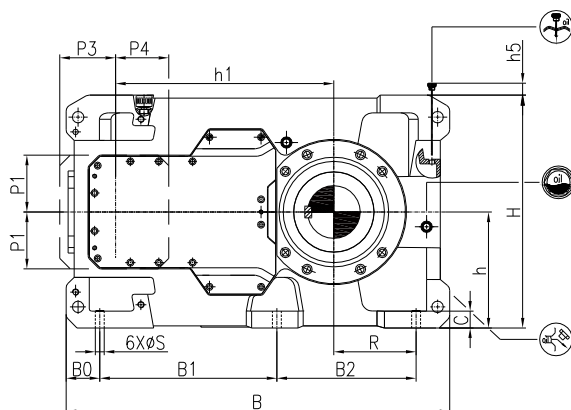
| Size | iN ≤ 45 |    |    | iN ≤ 50 |     |     | iN ≥ 50 |    |    | iN ≥ 56 |     |    | A   | A1  | B    | B0  | B1   | B2 | C  | C1       | d     | d6  | D     | D2    | D3    |
|------|---------|----|----|---------|-----|-----|---------|----|----|---------|-----|----|-----|-----|------|-----|------|----|----|----------|-------|-----|-------|-------|-------|
|      | d1      | E1 | E2 | d1      | E1  | E2  | d1      | E1 | E2 | d1      | E1  | E2 |     |     |      |     |      |    |    |          |       |     |       |       |       |
| 05   | 40k6    | 80 | 60 |         |     |     | 30k6    | 60 | 40 |         |     |    | 255 | 220 | 713  | 113 | 480  | 16 | 28 | 30 ± 1   | 100m6 | 150 | 95H7  | 100H7 | 100H7 |
| 06   | 40k6    | 80 | 60 |         |     |     | 30k6    | 60 | 40 |         |     |    | 255 | 220 | 793  | 113 | 560  | 16 | 28 | 30 ± 1   | 110m6 | 150 | 105H7 | 110H7 | 110H7 |
| 07   |         |    |    | 45k6    | 110 | 80  |         |    |    | 35k6    | 80  | 50 | 300 | 260 | 876  | 131 | 605  | 16 | 35 | 36 ± 1   | 120m6 | 200 | 115H7 | 120H7 | 120H7 |
| 08   |         |    |    | 45k6    | 110 | 80  |         |    |    | 35k6    | 80  | 50 | 300 | 260 | 981  | 131 | 710  | 16 | 35 | 36 ± 1   | 130m6 | 200 | 125H7 | 130H7 | 130H7 |
| 09   |         |    |    | 60m6    | 140 | 110 |         |    |    | 45k6    | 110 | 80 | 370 | 320 | 1033 | 156 | 710  | 20 | 40 | 45 ± 1.5 | 140m6 | 210 | 135H7 | 140H7 | 140H7 |
| 10   |         |    |    | 60m6    | 140 | 110 |         |    |    | 45k6    | 110 | 80 | 370 | 320 | 1131 | 156 | 810  | 20 | 40 | 45 ± 1.5 | 160m6 | 210 | 150H7 | 150H7 | 150H7 |
| 11   |         |    |    | 70m6    | 140 | 105 |         |    |    | 50k6    | 110 | 75 | 430 | 370 | 1227 | 178 | 870  | 20 | 50 | 54 ± 1.5 | 170m6 | 220 | 165H7 | 165H7 | 165H7 |
| 12   |         |    |    | 70m6    | 140 | 105 |         |    |    | 50k6    | 110 | 75 | 430 | 370 | 1382 | 178 | 1025 | 20 | 50 | 54 ± 1.5 | 180m6 | 220 | 180H7 | 180H7 | 180H7 |

| Size | E   | F1  | F2  | G1  | G2  | G3  | G4  | g    | H   | h   | h1  | h5 | K1  | P1  | P3  | P4  | R   | R1  | R2  | R3  | S  | S1   | Weight (kg) |
|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|------|-------------|
| 05   | 210 | 205 | 180 | 170 | 165 | 190 | 240 | 97.5 | 460 | 230 | 405 | 40 | 180 | 225 | 145 | 55  | 100 | 455 | 175 | 90  | 19 | 24H9 | 324         |
| 06   | 210 | 205 | 180 | 170 | 165 | 190 | 240 | 97.5 | 490 | 230 | 440 | 10 | 180 | 225 | 145 | 55  | 145 | 490 | 220 | 90  | 19 | 24H9 | 403         |
| 07   | 210 | 255 | 210 | 210 | 195 | 240 | 280 | 114  | 560 | 280 | 495 | 0  | 215 | 270 | 220 | 70  | 130 | 560 | 215 | 110 | 24 | 28H9 | 558         |
| 08   | 250 | 255 | 210 | 210 | 195 | 240 | 285 | 114  | 580 | 280 | 540 | 0  | 215 | 270 | 220 | 70  | 190 | 605 | 275 | 110 | 24 | 28H9 | 663         |
| 09   | 250 | 285 | 245 | 240 | 235 | 270 | 330 | 140  | 640 | 320 | 580 | 15 | 245 | 310 | 240 | 95  | 155 | 660 | 260 | 130 | 28 | 36H9 | 899         |
| 10   | 300 | 285 | 245 | 240 | 235 | 270 | 350 | 140  | 670 | 320 | 630 | 0  | 245 | 310 | 240 | 95  | 205 | 710 | 310 | 130 | 28 | 36H9 | 1113        |
| 11   | 300 | 325 | 285 | 275 | 270 | 310 | 400 | 161  | 760 | 380 | 705 | 30 | 300 | 370 | 285 | 125 | 180 | 805 | 295 | 160 | 35 | 40H9 | 1481        |
| 12   | 300 | 325 | 285 | 275 | 270 | 310 | 405 | 161  | 783 | 380 | 775 | 5  | 300 | 370 | 285 | 125 | 265 | 875 | 380 | 160 | 35 | 40H9 | 1742        |

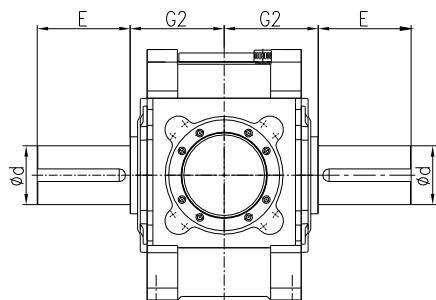
**H313H-H318H**

**H313H-H318H**

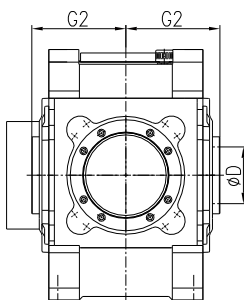
H3



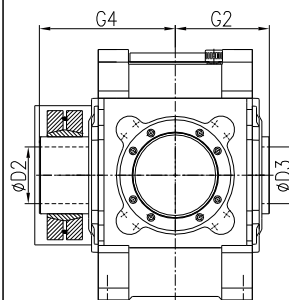
H3..HS  
Parallel key solid shaft



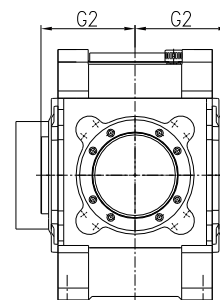
H3..HH  
Parallel key hollow shaft



H3..HD  
Hollow shaft with shrink disc



H3..HK  
Hollow shaft with involute spline



★ 风扇罩  
★★ 冷却风扇(附件代号UF21)

★ Fan guard  
★★ Cooling fan(Accessory code:UF21)

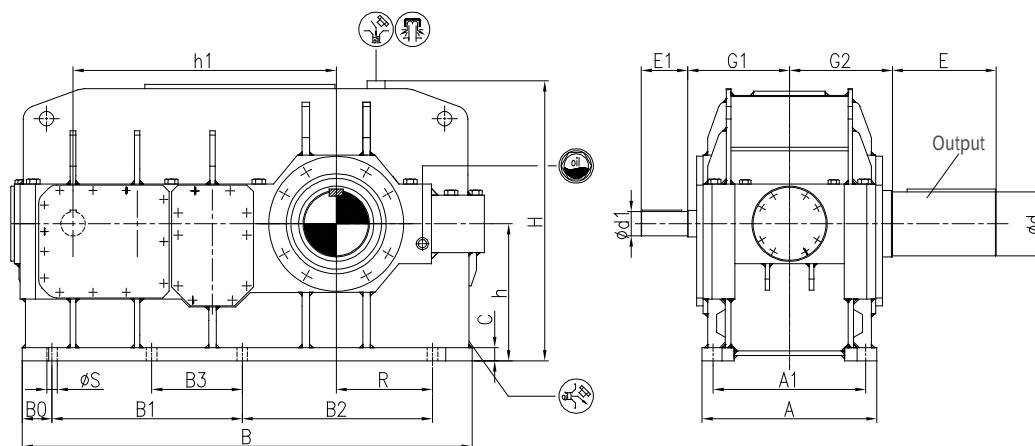
| Size | iN=14-45 |     |     | iN=16-50 |     |     | iN=50-100 |     |    | iN=56-100 |     |     | iN=56-112 |     |    | A   | A1  | B    | B0  | B1    | B2    | C  |
|------|----------|-----|-----|----------|-----|-----|-----------|-----|----|-----------|-----|-----|-----------|-----|----|-----|-----|------|-----|-------|-------|----|
|      | d1       | E1  | E2  | d1       | E1  | E2  | d1        | E1  | E2 | d1        | E1  | E2  | d1        | E1  | E2 |     |     |      |     |       |       |    |
| 13   |          |     |     | 85m6     | 170 | 130 |           |     |    | 60m6      | 140 | 100 |           |     |    | 545 | 475 | 1470 | 137 | 667.5 | 527.5 | 60 |
| 14   |          |     |     | 85m6     | 170 | 130 |           |     |    | 60m6      | 140 | 100 |           |     |    | 545 | 475 | 1610 | 137 | 667.5 | 667.5 | 60 |
| 15   |          |     |     | 100m6    | 210 | 165 |           |     |    |           |     |     | 75m6      | 140 | 95 | 620 | 535 | 1760 | 161 | 840   | 600   | 70 |
| 16   |          |     |     | 100m6    | 210 | 165 |           |     |    |           |     |     | 75m6      | 140 | 95 | 620 | 535 | 1850 | 160 | 840   | 690   | 70 |
| 17   | 100m6    | 210 | 165 |          |     |     | 75m6      | 140 | 95 |           |     |     |           |     |    | 680 | 600 | 1820 | 160 | 840   | 660   | 80 |
| 18   |          |     |     | 100m6    | 210 | 165 |           |     |    |           |     |     | 75m6      | 140 | 95 | 680 | 600 | 1940 | 160 | 840   | 780   | 80 |

| Size | d     | d6  | D     | D2    | D3    | E   | F1  | F3  | G1  | G2  | G3  | G4  | H    | h   | h1   | h5 | P1  | P3  | P4  | R   | S  | Weight (kg) |
|------|-------|-----|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|------|-----|------|----|-----|-----|-----|-----|----|-------------|
| 13   | 200m6 | 190 | 190H7 | 190H7 | 190H7 | 350 | 370 | 195 | 325 | 335 | 365 | 480 | 875  | 440 | 820  | 0  | 225 | 225 | 215 | 305 | 35 | 2355        |
| 14   | 220m6 | 190 | 210H7 | 210H7 | 210H7 | 350 | 370 | 195 | 325 | 335 | 365 | 480 | 940  | 440 | 890  | 40 | 225 | 225 | 215 | 375 | 35 | 2880        |
| 15   | 240m6 | 200 | 230H7 | 230H7 | 230H7 | 410 | 415 | 205 | 365 | 380 | 410 | 550 | 1000 | 500 | 987  | 60 | 270 | 265 | 252 | 365 | 42 | 3640        |
| 16   | 250m6 | 200 | 240H7 | 240H7 | 240H7 | 410 | 415 | 205 | 365 | 380 | 410 | 550 | 1035 | 500 | 1033 | 20 | 270 | 265 | 252 | 410 | 42 | 4195        |
| 17   | 260n6 | 200 | 250H7 | 250H7 | 250H7 | 410 | 450 | 235 | 400 | 415 | 445 | 600 | 1105 | 550 | 1035 | 60 | 270 | 265 | 252 | 390 | 42 | 4670        |
| 18   | 280n6 | 200 | 275H7 | 280H7 | 280H7 | 470 | 450 | 235 | 400 | 415 | 445 | 600 | 1110 | 550 | 1095 | 70 | 270 | 265 | 252 | 450 | 42 | 5165        |

H319H~H326H

H319H~H326H

H3

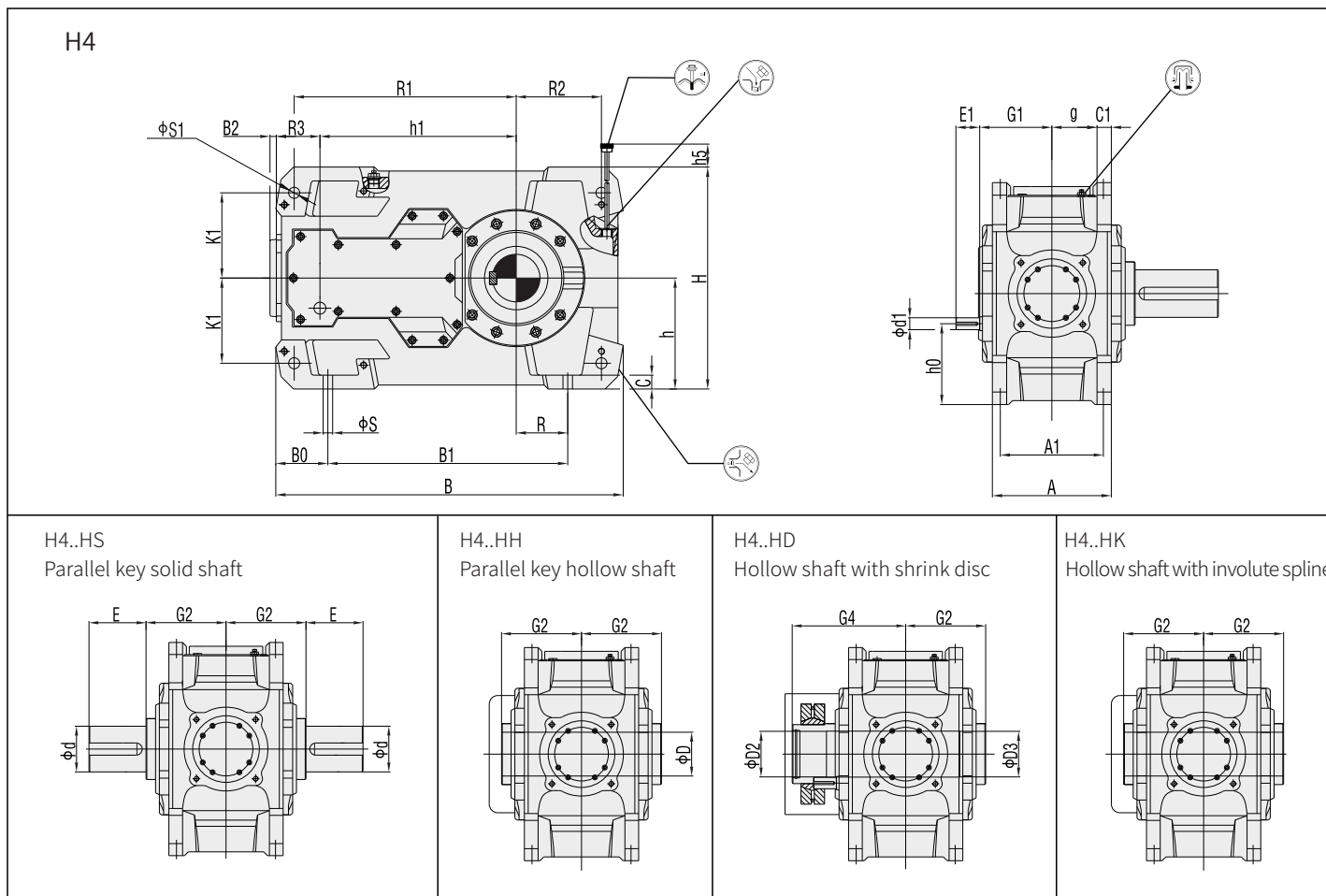


| Size | iN=16~45 |     | iN=16~50 |     | iN=18~45 |     | iN=18~50 |     | iN=20~50 |     | iN=50~71 |     | iN=50~80 |     | iN=56~80 |     | iN=56~90 |     |
|------|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|
|      | d1       | E1  | d1       | E1  | d1       | E1  | d1       | E1  | d1       | E1  | d1       | E1  | d1       | E1  | d1       | E1  | d1       | E1  |
| 19   | 110m6    | 210 |          |     |          |     |          |     |          |     |          |     | 90m6     | 170 |          |     |          |     |
| 20   |          |     | 110m6    | 210 |          |     |          |     |          |     |          |     |          |     |          |     | 90m6     | 170 |
| 21   |          |     |          |     | 130m6    | 250 |          |     |          |     | 110m6    | 210 |          |     |          |     |          |     |
| 22   |          |     |          |     |          |     |          |     | 130m6    | 250 |          |     |          |     | 110m6    | 210 |          |     |
| 23   |          |     |          |     | 130m6    | 250 |          |     |          |     | 110m6    | 210 |          |     |          |     |          |     |
| 24   |          |     |          |     |          |     |          |     | 130m6    | 250 |          |     |          |     | 110m6    | 210 |          |     |
| 25   |          |     |          |     |          |     | 150m6    | 250 |          |     |          |     |          |     | 130m6    | 250 |          |     |
| 26   |          |     |          |     |          |     | 150m6    | 250 |          |     |          |     |          |     | 130m6    | 250 |          |     |

| Size | A    | A1  | B    | B0  | B1   | B2   | B3  | C  | d     | E   | G1  | G2  | H    | h   | h1   | R   | S  | Weight (kg) |
|------|------|-----|------|-----|------|------|-----|----|-------|-----|-----|-----|------|-----|------|-----|----|-------------|
| 19   | 790  | 690 | 2035 | 135 | 860  | 860  | /   | 60 | 290m6 | 470 | 440 | 465 | 1270 | 620 | 1190 | 435 | 48 | 6700        |
| 20   | 790  | 690 | 2165 | 135 | 860  | 980  | /   | 60 | 310m6 | 470 | 440 | 465 | 1270 | 620 | 1250 | 495 | 48 | 8200        |
| 21   | 830  | 720 | 2375 | 155 | 1000 | 1000 | /   | 70 | 330m6 | 550 | 470 | 490 | 1425 | 700 | 1387 | 485 | 56 | 9200        |
| 22   | 830  | 720 | 2465 | 155 | 1000 | 1110 | /   | 70 | 350m6 | 550 | 470 | 490 | 1425 | 700 | 1442 | 540 | 56 | 10000       |
| 23   | 930  | 810 | 2560 | 180 | 1185 | 985  | 545 | 80 | 370m6 | 550 | 515 | 540 | 1565 | 780 | 1505 | 550 | 56 | 12400       |
| 24   | 930  | 810 | 2715 | 180 | 1185 | 1115 | 545 | 80 | 390m6 | 650 | 515 | 540 | 1565 | 780 | 1570 | 615 | 56 | 14500       |
| 25   | 1050 | 910 | 2890 | 175 | 1350 | 1080 | 640 | 90 | 410m6 | 650 | 580 | 605 | 1785 | 860 | 1695 | 590 | 66 | 17400       |
| 26   | 1050 | 910 | 3050 | 175 | 1350 | 1260 | 565 | 90 | 430m6 | 650 | 580 | 605 | 1785 | 860 | 1785 | 680 | 66 | 19000       |

## H407H~H412H

## H407H~H412H



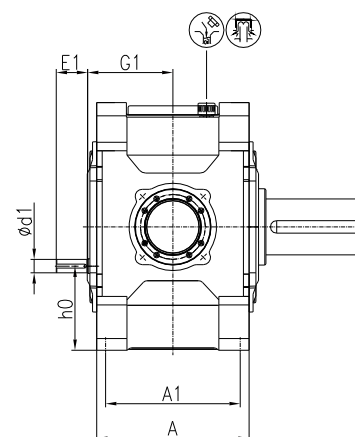
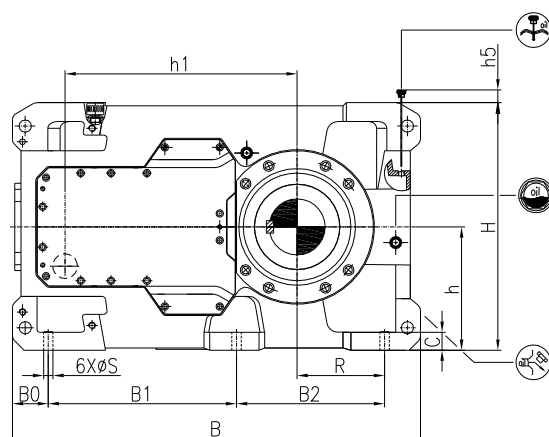
| Size | iN ≤ 200 |    | iN ≤ 224 |     | iN ≥ 224 |    | iN ≥ 250 |    | A   | A1  | B    | B0  | B1   | B2 | C  | C1       | d     | D     | D2    | D3    |
|------|----------|----|----------|-----|----------|----|----------|----|-----|-----|------|-----|------|----|----|----------|-------|-------|-------|-------|
|      | d1       | E1 | d1       | E1  | d1       | E1 | d1       | E1 |     |     |      |     |      |    |    |          |       |       |       |       |
| 07   | 30k6     | 60 |          |     | 24k6     | 50 |          |    | 300 | 260 | 876  | 131 | 605  | 16 | 35 | 36 ± 1   | 120m6 | 115H7 | 120H7 | 120H7 |
| 08   | 30k6     | 60 |          |     | 24k6     | 50 |          |    | 300 | 260 | 981  | 131 | 710  | 16 | 35 | 36 ± 1   | 130m6 | 125H7 | 130H7 | 130H7 |
| 09   | 35k6     | 80 |          |     | 28k6     | 60 |          |    | 370 | 320 | 1033 | 156 | 710  | 20 | 40 | 45 ± 1.5 | 140m6 | 135H7 | 140H7 | 140H7 |
| 10   | 35k6     | 80 |          |     | 28k6     | 60 |          |    | 370 | 320 | 1131 | 156 | 810  | 20 | 40 | 45 ± 1.5 | 160m6 | 150H7 | 150H7 | 150H7 |
| 11   |          |    | 45k6     | 110 |          |    | 32k6     | 80 | 430 | 370 | 1227 | 178 | 870  | 20 | 50 | 54 ± 1.5 | 170m6 | 165H7 | 165H7 | 165H7 |
| 12   |          |    | 45k6     | 110 |          |    | 32k6     | 80 | 430 | 370 | 1382 | 178 | 1025 | 20 | 50 | 54 ± 1.5 | 180m6 | 180H7 | 180H7 | 180H7 |

| Size | E   | G1  | G2  | G4  | g   | H   | h   | h0    | h1  | h5 | K1  | R   | R1  | R2  | R3  | S  | S1   | Weight (kg) |
|------|-----|-----|-----|-----|-----|-----|-----|-------|-----|----|-----|-----|-----|-----|-----|----|------|-------------|
| 07   | 210 | 180 | 195 | 280 | 114 | 560 | 280 | 204   | 495 | 0  | 215 | 130 | 560 | 215 | 110 | 24 | 28H9 | 559         |
| 08   | 250 | 180 | 195 | 285 | 114 | 580 | 280 | 204   | 540 | 0  | 215 | 190 | 605 | 275 | 110 | 24 | 28H9 | 664         |
| 09   | 250 | 215 | 235 | 330 | 140 | 640 | 320 | 226.5 | 580 | 15 | 245 | 155 | 660 | 260 | 130 | 28 | 36H9 | 901         |
| 10   | 300 | 215 | 235 | 350 | 140 | 670 | 320 | 226.5 | 630 | 0  | 245 | 205 | 710 | 310 | 130 | 28 | 36H9 | 1115        |
| 11   | 300 | 250 | 270 | 400 | 161 | 760 | 380 | 260   | 705 | 30 | 300 | 180 | 805 | 295 | 160 | 35 | 40H9 | 1487        |
| 12   | 300 | 250 | 270 | 405 | 161 | 783 | 380 | 260   | 775 | 5  | 300 | 265 | 875 | 380 | 160 | 35 | 40H9 | 1747        |

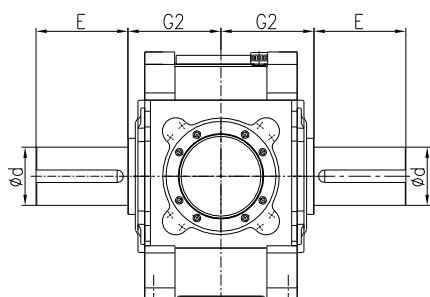
# H413H-H418H

# H413H-H418H

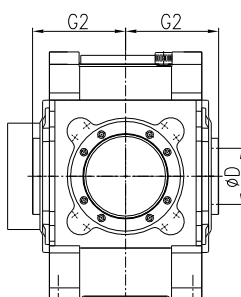
H4



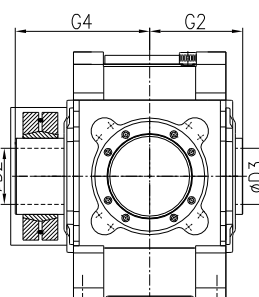
H4..HS  
Parallel key solid shaft



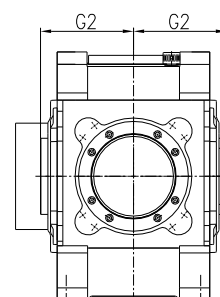
H4..HH  
Parallel key hollow shaft



H4..HD  
Hollow shaft with shrink disc

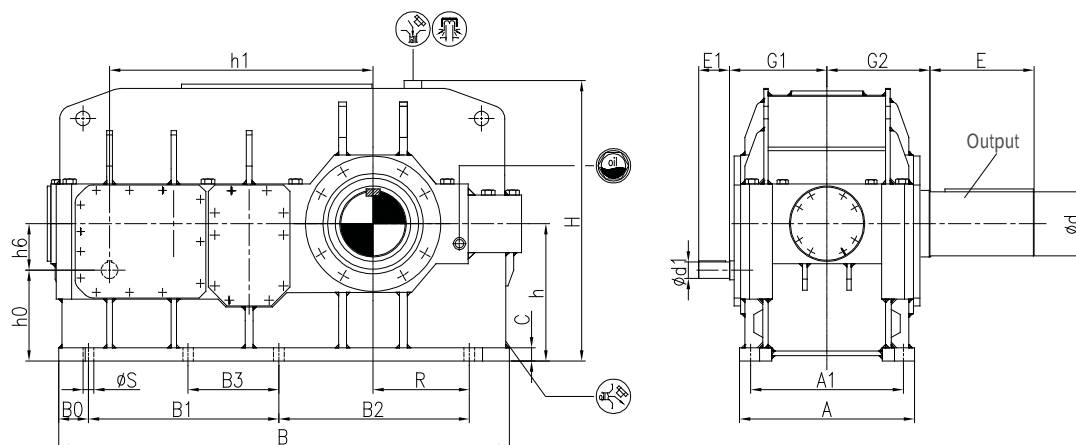


H4..HK  
Hollow shaft with involute spline



| Size | iN=63-200 |     | iN=71-224 |     | iN=224-400 |     | iN=250-450 |     | A   | A1  | B    | B0  | B1    | B2    | C  | d     |
|------|-----------|-----|-----------|-----|------------|-----|------------|-----|-----|-----|------|-----|-------|-------|----|-------|
|      | d1        | E1  | d1        | E1  | d1         | E1  | d1         | E1  |     |     |      |     |       |       |    |       |
| 13   |           |     | 50k6      | 110 |            |     | 38k6       | 80  | 545 | 475 | 1470 | 137 | 667.5 | 527.5 | 60 | 200m6 |
| 14   |           |     | 50k6      | 110 |            |     | 38k6       | 80  | 545 | 475 | 1610 | 137 | 667.5 | 667.5 | 60 | 220m6 |
| 15   |           |     | 60m6      | 140 |            |     | 50k6       | 110 | 620 | 535 | 1760 | 161 | 840   | 600   | 70 | 240m6 |
| 16   |           |     | 60m6      | 140 |            |     | 50k6       | 110 | 620 | 535 | 1850 | 160 | 840   | 690   | 70 | 250m6 |
| 17   | 60m6      | 140 |           |     | 50k6       | 110 |            |     | 680 | 600 | 1820 | 160 | 840   | 660   | 80 | 260n6 |
| 18   |           |     | 60m6      | 140 |            |     | 50k6       | 110 | 680 | 600 | 1940 | 160 | 840   | 780   | 80 | 280n6 |

| Size | D     | D2    | D3    | E   | G1  | G2  | G4  | H    | h   | h0  | h1   | h5 | R   | S  | Weight (kg) |
|------|-------|-------|-------|-----|-----|-----|-----|------|-----|-----|------|----|-----|----|-------------|
| 13   | 190H7 | 190H7 | 190H7 | 350 | 305 | 335 | 480 | 875  | 440 | 300 | 820  | 0  | 305 | 35 | 2450        |
| 14   | 210H7 | 210H7 | 210H7 | 350 | 305 | 335 | 480 | 940  | 440 | 300 | 890  | 40 | 375 | 35 | 2995        |
| 15   | 230H7 | 230H7 | 230H7 | 410 | 345 | 380 | 550 | 1000 | 500 | 325 | 987  | 60 | 365 | 42 | 3810        |
| 16   | 240H7 | 240H7 | 240H7 | 410 | 345 | 380 | 550 | 1035 | 500 | 325 | 1033 | 20 | 410 | 42 | 4290        |
| 17   | 250H7 | 250H7 | 250H7 | 410 | 380 | 415 | 600 | 1105 | 550 | 375 | 1035 | 60 | 390 | 42 | 4795        |
| 18   | 275H7 | 280H7 | 280H7 | 470 | 380 | 415 | 600 | 1110 | 550 | 375 | 1095 | 70 | 450 | 42 | 5325        |

**H419H~H426H**
**H419H~H426H**
**H4**


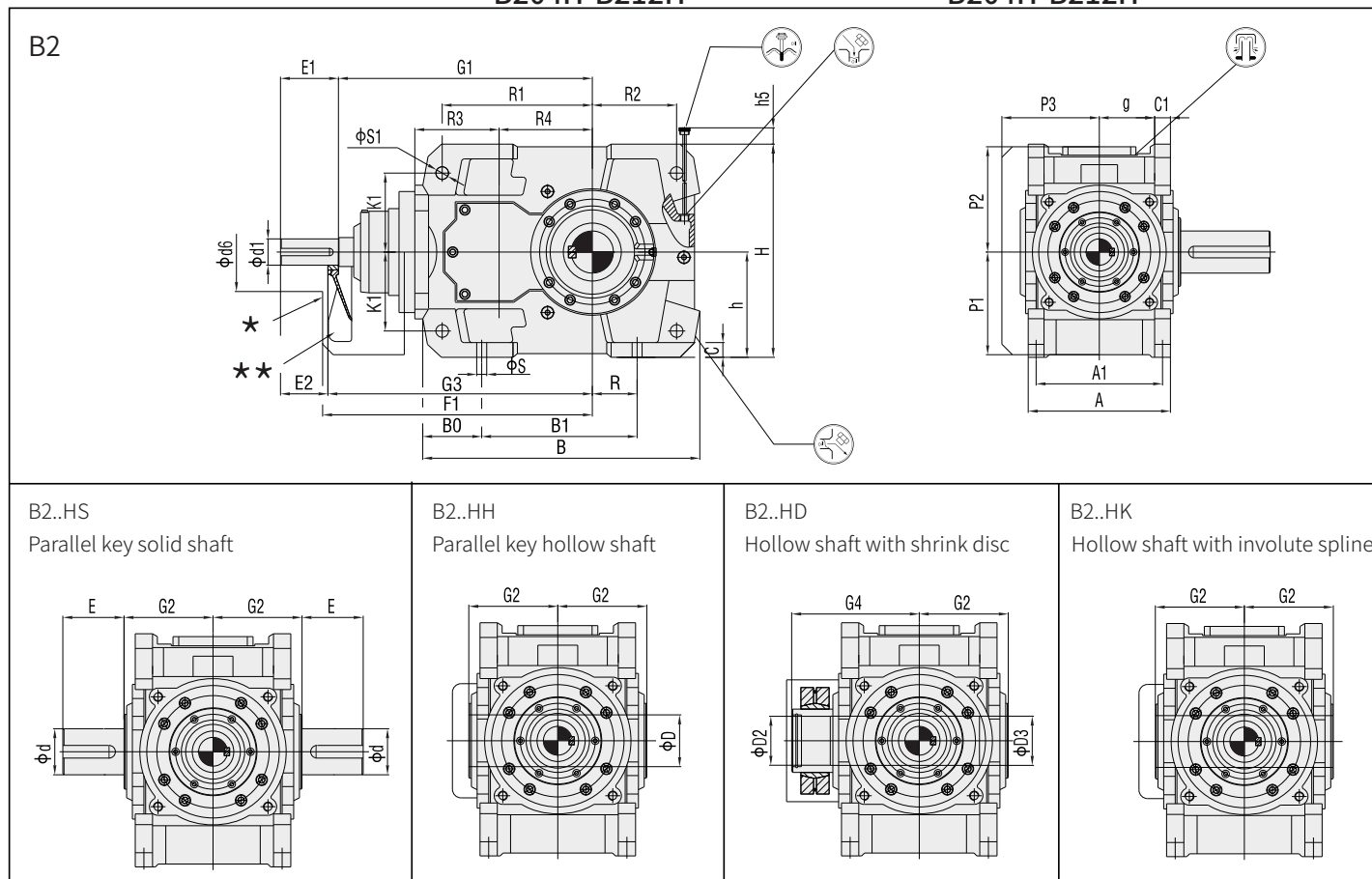
| Size | iN=63~200 |     | iN=71~200 |     | iN=71~224 |     | iN=224~355 |     | iN=224~400 |     | iN=250~450 |     | A    | A1  | B    | B0  |
|------|-----------|-----|-----------|-----|-----------|-----|------------|-----|------------|-----|------------|-----|------|-----|------|-----|
|      | d1        | E1  | d1        | E1  | d1        | E1  | d1         | E1  | d1         | E1  | d1         | E1  |      |     |      |     |
| 19   |           |     | 75m6      | 140 |           |     |            |     | 60m6       | 140 |            |     | 790  | 690 | 2035 | 135 |
| 20   |           |     |           |     | 75m6      | 140 |            |     |            |     | 60m6       | 140 | 790  | 690 | 2165 | 135 |
| 21   |           |     | 90m6      | 170 |           |     |            |     | 70m6       | 140 |            |     | 830  | 720 | 2375 | 155 |
| 22   |           |     |           |     | 90m6      | 170 |            |     |            |     | 70m6       | 140 | 830  | 720 | 2465 | 155 |
| 23   | 90m6      | 170 |           |     |           |     |            |     | 70m6       | 140 |            |     | 930  | 810 | 2560 | 180 |
| 24   |           |     |           |     | 90m6      | 170 |            |     |            |     | 70m6       | 140 | 930  | 810 | 2715 | 180 |
| 25   | 100m6     | 210 |           |     |           |     | 85m6       | 170 |            |     |            |     | 1050 | 910 | 2890 | 175 |
| 26   | 100m6     | 210 |           |     |           |     | 85m6       | 170 |            |     |            |     | 1050 | 910 | 3050 | 175 |

| Size | B1   | B2   | B3  | C  | d     | E   | G1  | G2  | H    | h   | h0  | h1   | h6  | R   | S  | Weight (kg) |
|------|------|------|-----|----|-------|-----|-----|-----|------|-----|-----|------|-----|-----|----|-------------|
| 19   | 860  | 860  | /   | 60 | 290n6 | 470 | 440 | 465 | 1270 | 620 | 410 | 1190 | 210 | 435 | 48 | 6800        |
| 20   | 860  | 980  | /   | 60 | 310n6 | 470 | 440 | 465 | 1270 | 620 | 410 | 1250 | 210 | 495 | 48 | 8300        |
| 21   | 1000 | 1000 | /   | 70 | 330n6 | 550 | 460 | 490 | 1425 | 700 | 444 | 1387 | 256 | 485 | 56 | 9300        |
| 22   | 1000 | 1110 | /   | 70 | 350n6 | 550 | 460 | 490 | 1425 | 700 | 444 | 1442 | 256 | 540 | 56 | 10100       |
| 23   | 1185 | 985  | 545 | 80 | 370n6 | 550 | 505 | 540 | 1565 | 780 | 524 | 1505 | 256 | 550 | 56 | 12600       |
| 24   | 1185 | 1115 | 545 | 80 | 390n6 | 650 | 505 | 540 | 1565 | 780 | 524 | 1570 | 256 | 615 | 56 | 14600       |
| 25   | 1350 | 1080 | 640 | 90 | 410n6 | 650 | 565 | 605 | 1785 | 860 | 568 | 1695 | 292 | 590 | 66 | 17400       |
| 26   | 1350 | 1260 | 565 | 90 | 430n6 | 650 | 565 | 605 | 1785 | 860 | 568 | 1785 | 292 | 680 | 66 | 19000       |



**B204H-B212H**

**B204H-B212H**



★ 风扇罩  
★★ 冷却风扇 (附件代号UF21)

★ Fan guard  
★★ Cooling fan (Accessory code:UF21)

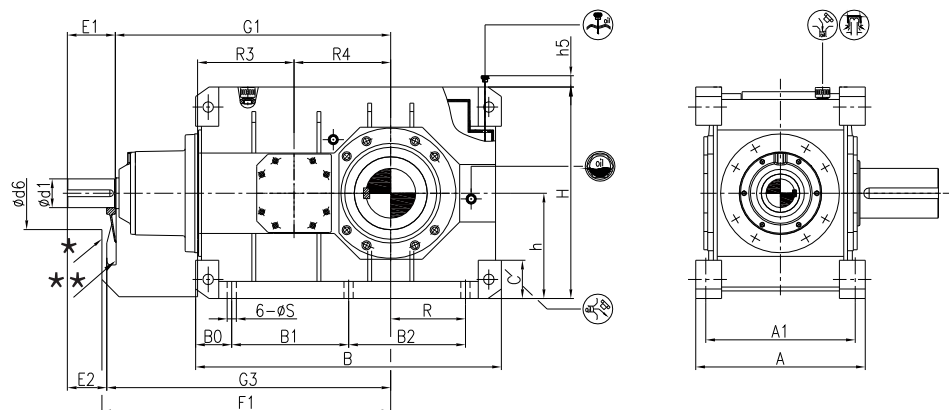
| Size | iN ≤ 14 |     |     | A   | A1  | B    | B0  | B1  | C  | C1       | d     | d6  | D     | D2    | D3    | E   | F1   |
|------|---------|-----|-----|-----|-----|------|-----|-----|----|----------|-------|-----|-------|-------|-------|-----|------|
|      | d1      | E1  | E2  |     |     |      |     |     |    |          |       |     |       |       |       |     |      |
| 04   | 50k6    | 110 | 90  | 270 | 235 | 530  | 125 | 295 | 28 | 30 ± 1   | 80m6  | 150 | 80H7  | 85H7  | 85H7  | 170 | 517  |
| 05   | 60m6    | 140 | 110 | 320 | 285 | 595  | 130 | 355 | 28 | 30 ± 1   | 100m6 | 160 | 95H7  | 100H7 | 100H7 | 210 | 596  |
| 06   | 60m6    | 140 | 110 | 320 | 285 | 680  | 135 | 435 | 28 | 30 ± 1   | 110m6 | 160 | 105H7 | 110H7 | 110H7 | 210 | 635  |
| 07   | 75m6    | 140 | 110 | 380 | 340 | 725  | 145 | 450 | 35 | 36 ± 1   | 120m6 | 210 | 115H7 | 120H7 | 120H7 | 210 | 705  |
| 08   | 75m6    | 140 | 110 | 380 | 340 | 825  | 140 | 555 | 35 | 36 ± 1   | 130m6 | 210 | 125H7 | 130H7 | 130H7 | 250 | 745  |
| 09   | 85m6    | 170 | 135 | 440 | 390 | 860  | 175 | 530 | 40 | 48 ± 1.5 | 140m6 | 220 | 135H7 | 140H7 | 140H7 | 250 | 805  |
| 10   | 85m6    | 170 | 135 | 440 | 390 | 970  | 185 | 630 | 40 | 48 ± 1.5 | 160m6 | 220 | 150H7 | 150H7 | 150H7 | 300 | 865  |
| 11   | 95m6    | 170 | 135 | 530 | 470 | 1030 | 205 | 645 | 50 | 54 ± 1.5 | 170m6 | 250 | 165H7 | 165H7 | 165H7 | 300 | 1005 |
| 12   | 95m6    | 170 | 135 | 530 | 470 | 1165 | 185 | 800 | 50 | 54 ± 1.5 | 180m6 | 250 | 180H7 | 180H7 | 180H7 | 300 | 1055 |

| Size | G1  | G2  | G3   | G4  | g   | H   | h   | h5 | K1  | P1  | P2  | P3  | R   | R1  | R2  | R3  | R4  | S  | S1H9 | Weight (kg) |
|------|-----|-----|------|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|------|-------------|
| 04   | 482 | 140 | 502  | 205 | 105 | 400 | 200 | 15 | 150 | 195 | 200 | 185 | 85  | 285 | 160 | 160 | 177 | 19 | 24H9 | 217         |
| 05   | 551 | 165 | 581  | 240 | 130 | 460 | 230 | 30 | 180 | 220 | 235 | 215 | 100 | 330 | 175 | 185 | 201 | 19 | 24H9 | 349         |
| 06   | 590 | 165 | 620  | 240 | 130 | 490 | 230 | 0  | 180 | 220 | 235 | 215 | 145 | 365 | 220 | 185 | 240 | 19 | 24H9 | 437         |
| 07   | 660 | 195 | 690  | 280 | 154 | 560 | 280 | 35 | 215 | 270 | 285 | 250 | 130 | 405 | 215 | 225 | 240 | 24 | 28H9 | 599         |
| 08   | 700 | 195 | 730  | 285 | 154 | 580 | 280 | 25 | 215 | 270 | 285 | 250 | 190 | 450 | 275 | 225 | 280 | 24 | 28H9 | 723         |
| 09   | 755 | 235 | 790  | 330 | 172 | 640 | 320 | 10 | 245 | 310 | 325 | 250 | 155 | 480 | 260 | 265 | 280 | 28 | 36H9 | 921         |
| 10   | 815 | 235 | 850  | 350 | 172 | 670 | 320 | 0  | 245 | 310 | 325 | 250 | 205 | 530 | 310 | 265 | 340 | 28 | 36H9 | 1158        |
| 11   | 945 | 270 | 980  | 400 | 211 | 760 | 380 | 55 | 300 | 370 | 385 | 330 | 180 | 580 | 295 | 320 | 340 | 35 | 40H9 | 1516        |
| 12   | 995 | 270 | 1030 | 405 | 211 | 783 | 380 | 30 | 300 | 370 | 385 | 330 | 265 | 650 | 380 | 320 | 390 | 35 | 40H9 | 1833        |

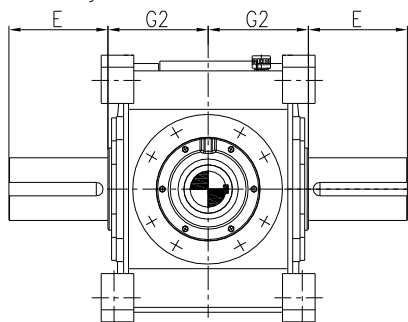
**B213H-B218H**

**B213H-B218H**

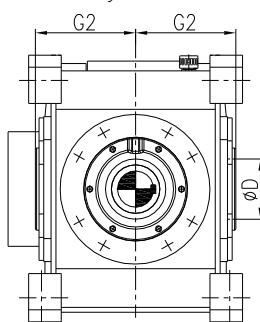
B2



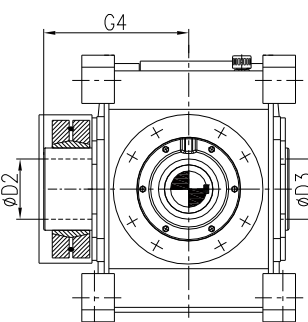
B2..HS  
Parallel key solid shaft



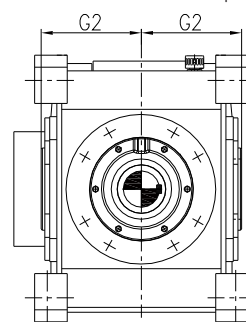
B2..HH  
Parallel key hollow shaft



B2..HD  
Hollow shaft with shrink disc



B2..HK  
Hollow shaft with involute spline



★ 风扇罩  
★★ 冷却风扇(附件代号UF21)

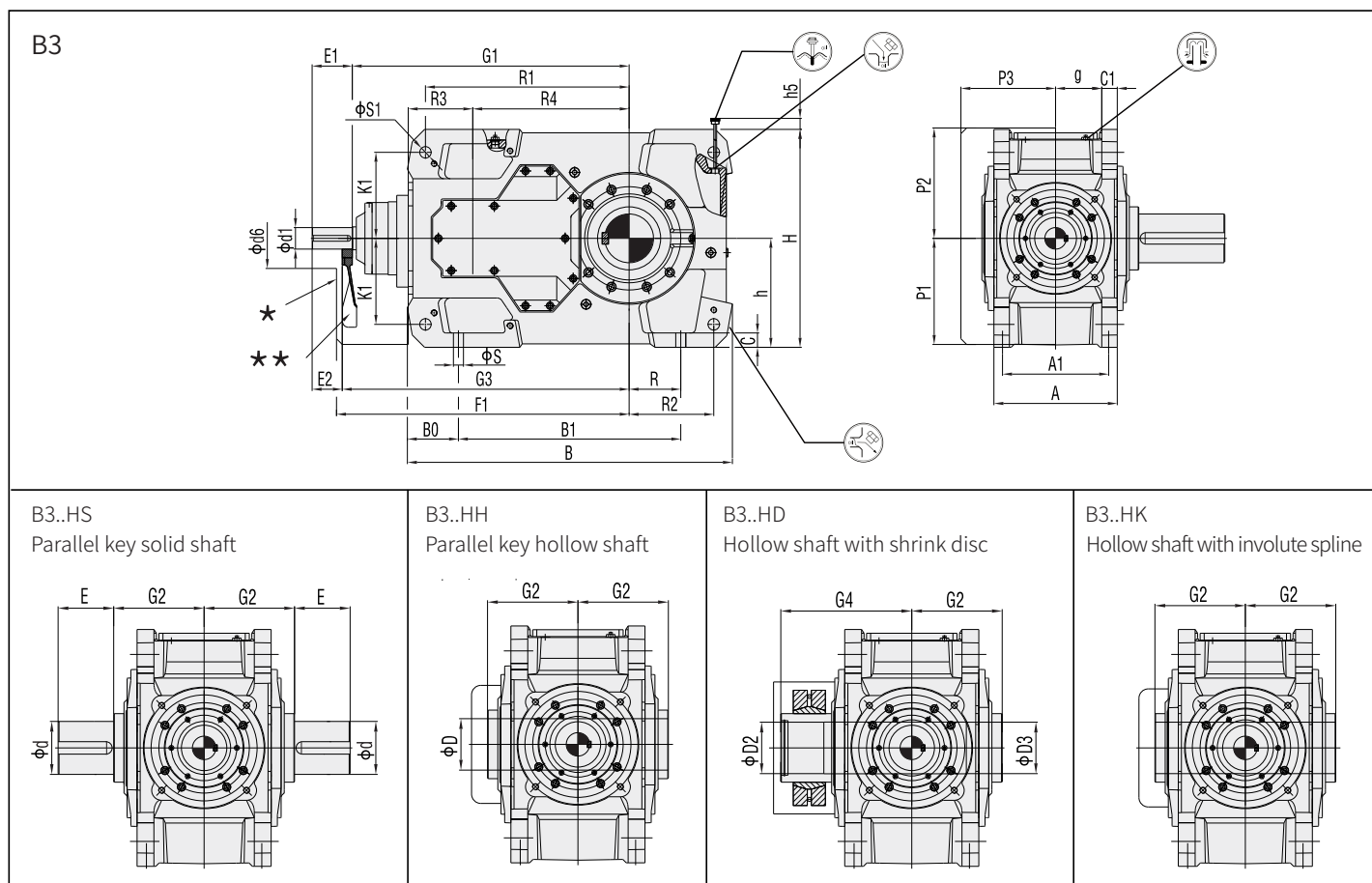
★ Fan guard  
★★ Cooling fan(Accessory code:UF21)

| Size | iN=6.3-14 |     |     | iN=7.1-14 |     |     | A   | A1  | B    | B0  | B1  | B2  | C  | d     | d6  | D     | D2    | D3    |
|------|-----------|-----|-----|-----------|-----|-----|-----|-----|------|-----|-----|-----|----|-------|-----|-------|-------|-------|
|      | d1        | E1  | E2  | d1        | E1  | E2  |     |     |      |     |     |     |    |       |     |       |       |       |
| 13   | 115m6     | 210 | 175 |           |     |     | 655 | 580 | 1205 | 137 | 465 | 465 | 60 | 200m6 | 245 | 190H7 | 190H7 | 190H7 |
| 14   | 115m6     | 210 | 175 |           |     |     | 655 | 580 | 1345 | 137 | 465 | 605 | 60 | 220m6 | 245 | 210H7 | 210H7 | 210H7 |
| 15   | 140m6     | 250 | 200 |           |     |     | 765 | 670 | 1430 | 160 | 555 | 555 | 70 | 240m6 | 280 | 230H7 | 230H7 | 230H7 |
| 16   | 140m6     | 250 | 200 |           |     |     | 765 | 670 | 1520 | 160 | 555 | 645 | 70 | 250m6 | 280 | 240H7 | 240H7 | 240H7 |
| 17   | 150m6     | 250 | 200 |           |     |     | 885 | 780 | 1595 | 188 | 610 | 610 | 80 | 260n6 | 380 | 250H7 | 250H7 | 250H7 |
| 18   |           |     |     | 150m6     | 250 | 200 | 885 | 780 | 1715 | 188 | 610 | 730 | 80 | 280n6 | 380 | 275H7 | 280H7 | 280H7 |

| Size | E   | F1   | G1   | G2  | G3   | G4  | H    | h   | h5  | P1  | P2  | P3  | R   | R3  | R4  | S  | Weight (kg) |
|------|-----|------|------|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|----|-------------|
| 13   | 350 | 1175 | 1092 | 335 | 1127 | 480 | 870  | 440 | 60  | 430 | 450 | 375 | 305 | 370 | 392 | 35 | 2530        |
| 14   | 350 | 1245 | 1170 | 335 | 1205 | 480 | 885  | 440 | 20  | 430 | 450 | 375 | 375 | 370 | 470 | 35 | 2945        |
| 15   | 410 | 1385 | 1305 | 380 | 1355 | 550 | 1000 | 500 | 20  | 490 | 495 | 435 | 365 | 442 | 470 | 42 | 4230        |
| 16   | 410 | 1430 | 1330 | 380 | 1380 | 550 | 1035 | 500 | 60  | 490 | 495 | 435 | 410 | 442 | 495 | 42 | 4750        |
| 17   | 410 | 1520 | 1450 | 415 | 1500 | 600 | 1105 | 550 | 40  | 540 | 555 | 505 | 390 | 490 | 505 | 48 | 5990        |
| 18   | 470 | 1580 | 1515 | 415 | 1565 | 600 | 1110 | 550 | 100 | 540 | 555 | 505 | 450 | 490 | 570 | 48 | 6555        |

B304H-B312H

B304H-B312H



★ 风扇罩  
★★ 冷却风扇(附件代号UF21)

★ Fan guard  
★★ Cooling fan(Accessory code:UF21)

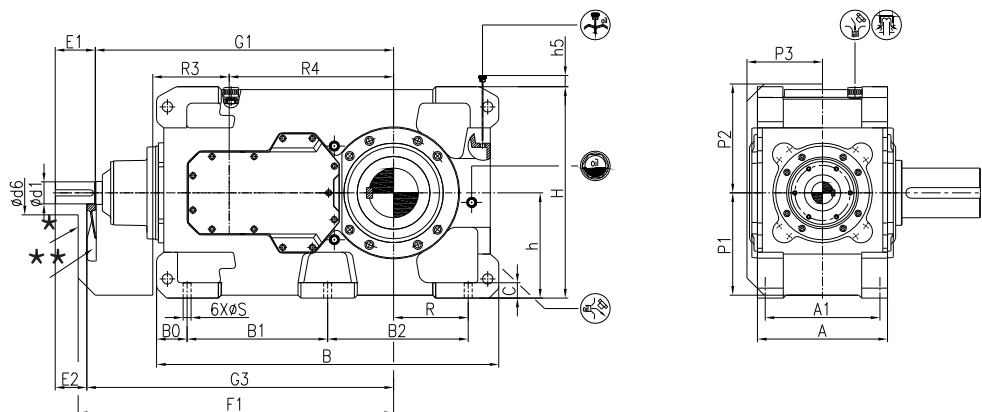
| Size | iN ≤ 63 |     |     | iN ≥ 71 |     |     | A   | A1  | B    | B0  | B1  | C  | C1       | d     | d6  | E   | F1   | D     | D2    | D3    |
|------|---------|-----|-----|---------|-----|-----|-----|-----|------|-----|-----|----|----------|-------|-----|-----|------|-------|-------|-------|
|      | d1      | E1  | E2  | d1      | E1  | E2  |     |     |      |     |     |    |          |       |     |     |      |       |       |       |
| 04   | 35k6    | 80  | 60  | 30k6    | 60  | 40  | 215 | 180 | 586  | 112 | 355 | 28 | 30 ± 1   | 80m6  | 150 | 170 | 530  | 80H7  | 85H7  | 85H7  |
| 05   | 45k6    | 110 | 80  | 35k6    | 80  | 50  | 255 | 220 | 667  | 113 | 430 | 28 | 30 ± 1   | 100m6 | 160 | 210 | 620  | 95H7  | 100H7 | 100H7 |
| 06   | 45k6    | 110 | 80  | 35k6    | 80  | 50  | 255 | 220 | 743  | 113 | 510 | 28 | 30 ± 1   | 110m6 | 160 | 210 | 655  | 105H7 | 110H7 | 110H7 |
| 07   | 50k6    | 110 | 90  | 40k6    | 80  | 60  | 300 | 260 | 816  | 131 | 545 | 35 | 36 ± 1   | 120m6 | 210 | 210 | 720  | 115H7 | 120H7 | 120H7 |
| 08   | 50k6    | 110 | 90  | 40k6    | 80  | 60  | 300 | 260 | 920  | 131 | 650 | 35 | 36 ± 1   | 130m6 | 210 | 250 | 765  | 125H7 | 130H7 | 130H7 |
| 09   | 60m6    | 140 | 110 | 50k6    | 110 | 80  | 370 | 320 | 957  | 156 | 635 | 40 | 45 ± 1.5 | 140m6 | 220 | 250 | 845  | 135H7 | 140H7 | 140H7 |
| 10   | 60m6    | 140 | 110 | 50k6    | 110 | 80  | 370 | 320 | 1062 | 156 | 735 | 40 | 45 ± 1.5 | 160m6 | 220 | 300 | 895  | 150H7 | 150H7 | 150H7 |
| 11   | 75m6    | 140 | 115 | 60m6    | 140 | 115 | 430 | 370 | 1132 | 178 | 775 | 50 | 54 ± 1.5 | 170m6 | 210 | 300 | 1010 | 165H7 | 165H7 | 165H7 |
| 12   | 75m6    | 140 | 115 | 60m6    | 140 | 115 | 430 | 370 | 1292 | 178 | 930 | 50 | 54 ± 1.5 | 180m6 | 210 | 300 | 1080 | 180H7 | 180H7 | 180H7 |

| Size | G1   | G2  | G3   | G4  | g    | H   | h   | h5 | K1  | P1  | P2  | P3  | R   | R1  | R2  | R3  | R4  | S  | S1   | Weight (kg) |
|------|------|-----|------|-----|------|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|------|-------------|
| 04   | 500  | 140 | 520  | 205 | 77.5 | 400 | 200 | 15 | 150 | 195 | 200 | 185 | 85  | 345 | 160 | 110 | 270 | 19 | 24H9 | 210         |
| 05   | 575  | 165 | 605  | 240 | 97.5 | 460 | 230 | 15 | 180 | 220 | 235 | 215 | 100 | 405 | 175 | 130 | 315 | 19 | 24H9 | 337         |
| 06   | 610  | 165 | 640  | 240 | 97.5 | 490 | 230 | 0  | 180 | 220 | 235 | 215 | 145 | 440 | 220 | 130 | 350 | 19 | 24H9 | 412         |
| 07   | 690  | 195 | 710  | 280 | 114  | 560 | 280 | 0  | 215 | 270 | 285 | 250 | 130 | 500 | 215 | 160 | 385 | 24 | 28H9 | 555         |
| 08   | 735  | 195 | 755  | 285 | 114  | 580 | 280 | 0  | 215 | 270 | 285 | 250 | 190 | 545 | 275 | 160 | 430 | 24 | 28H9 | 660         |
| 09   | 800  | 235 | 830  | 330 | 140  | 640 | 320 | 10 | 245 | 310 | 325 | 250 | 155 | 585 | 260 | 185 | 450 | 28 | 36H9 | 891         |
| 10   | 850  | 235 | 880  | 350 | 140  | 670 | 320 | 0  | 245 | 310 | 325 | 250 | 205 | 635 | 310 | 185 | 500 | 28 | 36H9 | 1106        |
| 11   | 965  | 270 | 990  | 400 | 161  | 760 | 380 | 30 | 300 | 370 | 385 | 330 | 180 | 710 | 295 | 225 | 545 | 35 | 40H9 | 1484        |
| 12   | 1035 | 270 | 1060 | 405 | 161  | 783 | 380 | 5  | 300 | 370 | 385 | 330 | 265 | 780 | 380 | 225 | 615 | 35 | 40H9 | 1757        |

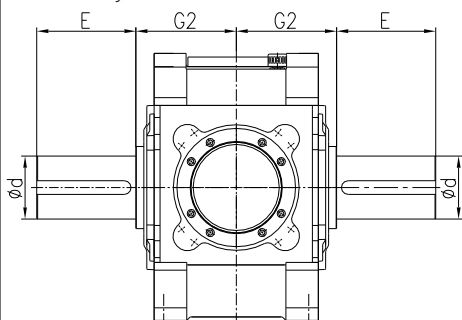
**B313H-B318H**

**B313H-B318H**

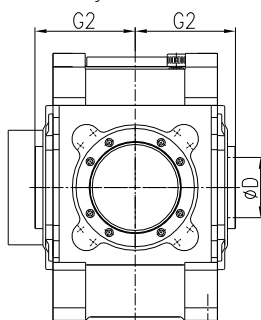
B3



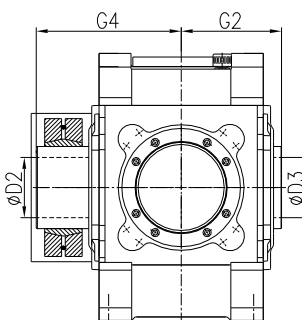
B3..HS  
Parallel key solid shaft



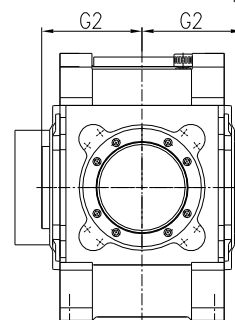
B3..HH  
Parallel key hollow shaft



B3..HD  
Hollow shaft with shrink disc



B3..HK  
Hollow shaft with involute spline



★ 风扇罩  
☆☆ 冷却风扇(附件代号UF21)

★ Fan guard  
☆☆ Cooling fan(Accessory code:UF21)

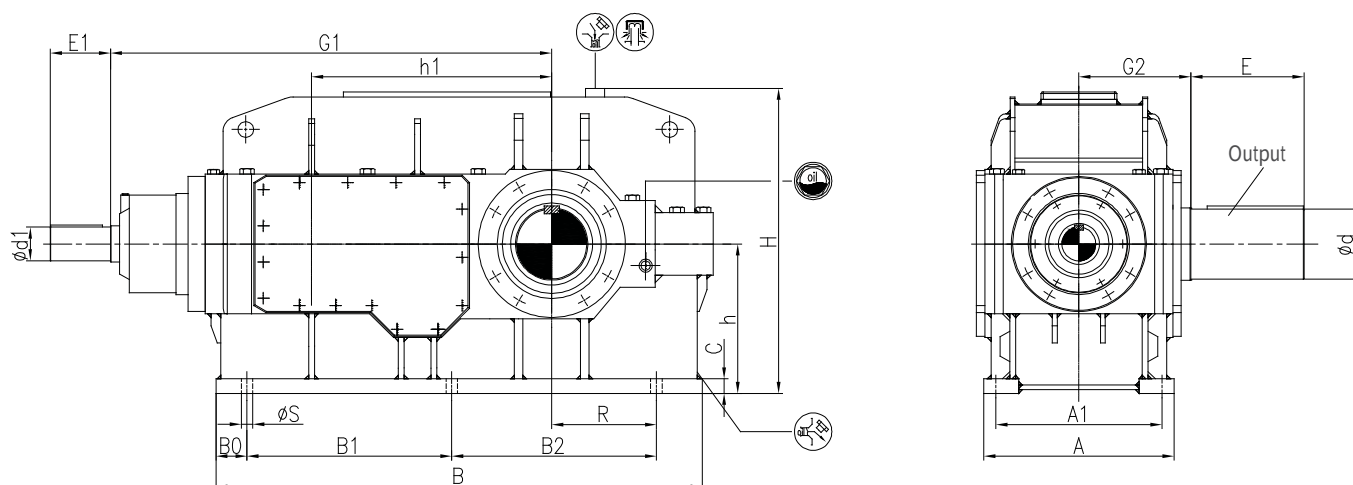
| Size | iN=16-56 |     |     | iN=16-63 |     |     | iN=63-80 |     |     | iN=71-90 |     |     | A   | A1  | B    | B0  | B1  | B2  | C  | d     | d6  |
|------|----------|-----|-----|----------|-----|-----|----------|-----|-----|----------|-----|-----|-----|-----|------|-----|-----|-----|----|-------|-----|
|      | d1       | E1  | E2  | d1       | E1  | E2  | d1       | E1  | E2  | d1       | E1  | E2  |     |     |      |     |     |     |    |       |     |
| 13   |          |     |     | 85m6     | 170 | 135 |          |     |     | 70m6     | 140 | 105 | 545 | 475 | 1375 | 142 | 545 | 545 | 60 | 200m6 | 210 |
| 14   |          |     |     | 85m6     | 170 | 135 |          |     |     | 70m6     | 140 | 105 | 545 | 475 | 1505 | 137 | 545 | 685 | 60 | 220m6 | 210 |
| 15   |          |     |     | 95m6     | 170 | 135 |          |     |     | 75m6     | 140 | 105 | 620 | 535 | 1630 | 160 | 655 | 655 | 70 | 240m6 | 210 |
| 16   |          |     |     | 95m6     | 170 | 135 |          |     |     | 75m6     | 140 | 105 | 620 | 535 | 1720 | 160 | 655 | 745 | 70 | 250m6 | 210 |
| 17   | 115m6    | 210 | 175 |          |     |     | 90m6     | 170 | 135 |          |     |     | 680 | 600 | 1790 | 160 | 735 | 735 | 80 | 260n6 | 230 |
| 18   |          |     |     | 115m6    | 210 | 175 |          |     |     | 90m6     | 170 | 135 | 680 | 600 | 1910 | 160 | 735 | 855 | 80 | 280n6 | 230 |

| Size | D     | D2    | D3    | E   | F1   | G1   | G2  | G3   | G4  | H    | h   | h5 | P1  | P2  | P3  | R   | R3  | R4  | S  | Weight (kg) |
|------|-------|-------|-------|-----|------|------|-----|------|-----|------|-----|----|-----|-----|-----|-----|-----|-----|----|-------------|
| 13   | 190H7 | 190H7 | 190H7 | 350 | 1165 | 1110 | 335 | 1145 | 480 | 875  | 440 | 40 | 425 | 435 | 325 | 305 | 265 | 635 | 35 | 2470        |
| 14   | 210H7 | 210H7 | 210H7 | 350 | 1235 | 1180 | 335 | 1215 | 480 | 940  | 440 | 40 | 425 | 435 | 325 | 375 | 265 | 705 | 35 | 3025        |
| 15   | 230H7 | 230H7 | 230H7 | 410 | 1420 | 1367 | 380 | 1402 | 550 | 1000 | 500 | 40 | 485 | 520 | 365 | 365 | 320 | 762 | 42 | 3925        |
| 16   | 240H7 | 240H7 | 240H7 | 410 | 1470 | 1413 | 380 | 1448 | 550 | 1035 | 500 | 40 | 485 | 520 | 365 | 410 | 320 | 808 | 42 | 4295        |
| 17   | 250H7 | 250H7 | 250H7 | 410 | 1620 | 1560 | 415 | 1595 | 600 | 1105 | 550 | 60 | 535 | 570 | 395 | 390 | 370 | 860 | 42 | 5110        |
| 18   | 275H7 | 280H7 | 280H7 | 470 | 1680 | 1620 | 415 | 1655 | 600 | 1110 | 550 | 60 | 535 | 570 | 395 | 450 | 370 | 920 | 42 | 5645        |

B319H~B326H

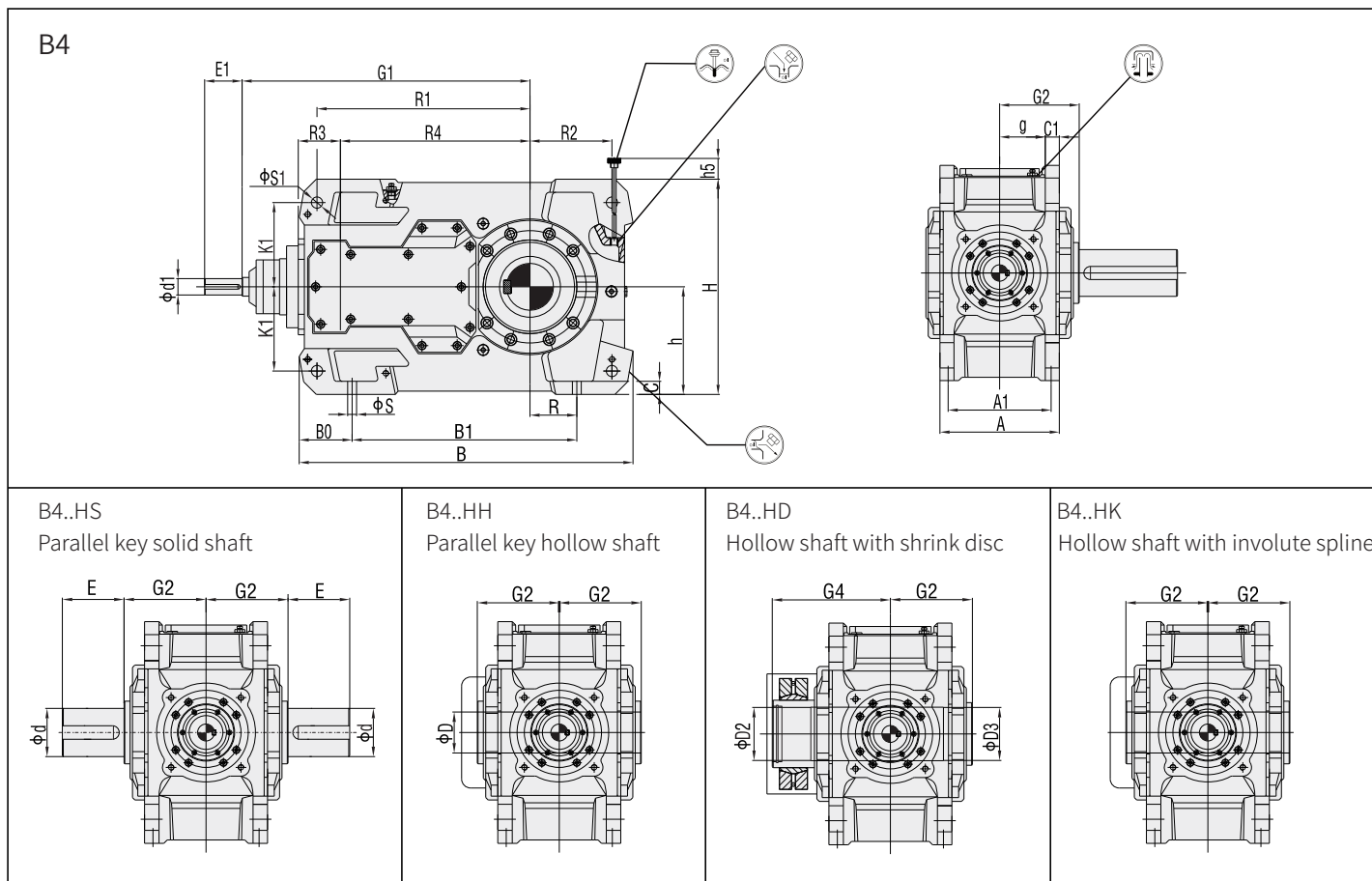
B319H~B326H

B3



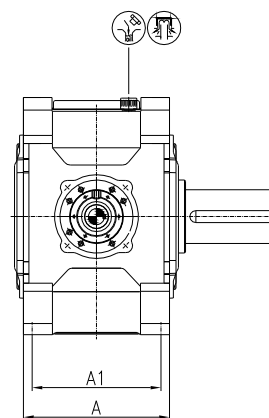
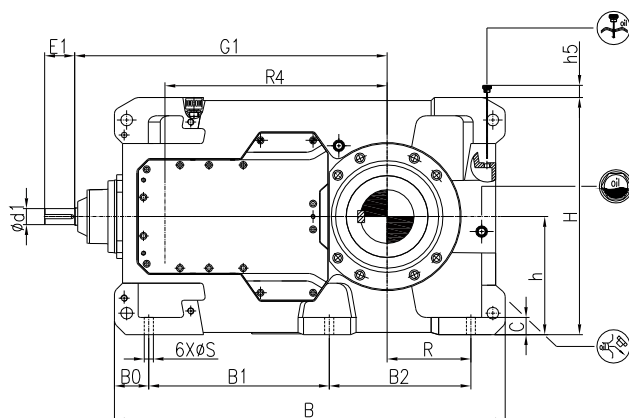
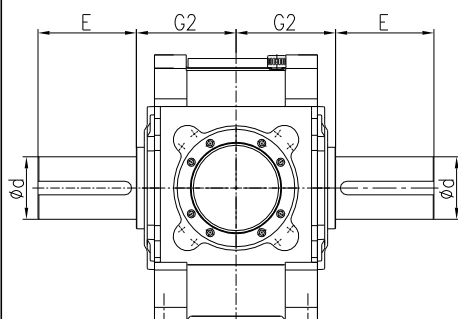
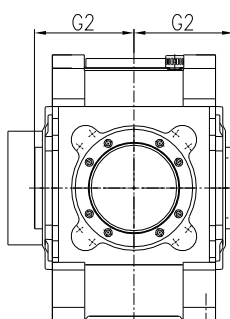
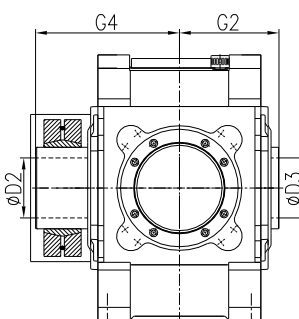
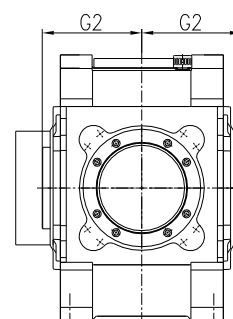
| Size | iN=16~56 |     | iN=16~63 |     | iN=18~56 |     | iN=20~56 |     | iN=20~63 |     | iN=22. 4~56 |       | iN=22. 4~63 |    | iN=63~80 |     | iN=63~90 |     | iN=71~90 |     |
|------|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|-------------|-------|-------------|----|----------|-----|----------|-----|----------|-----|
|      | d1       | E1  | d1       | E1  | d1       | E1  | d1       | E1  | d1       | E1  | d1          | E1    | d1          | E1 | d1       | E1  | d1       | E1  | d1       | E1  |
| 19   | 140m6    | 250 |          |     |          |     |          |     |          |     |             |       |             |    |          |     | 110m6    | 210 |          |     |
| 20   |          |     | 140m6    | 250 |          |     |          |     |          |     |             |       |             |    |          |     |          |     | 110m6    | 210 |
| 21   |          |     |          |     | 140m6    | 250 |          |     |          |     |             |       |             |    |          |     | 110m6    | 210 |          |     |
| 22   |          |     |          |     |          |     |          |     | 140m6    | 250 |             |       |             |    |          |     |          |     | 110m6    | 210 |
| 23   |          |     |          |     |          |     | 150m6    | 250 |          |     |             |       |             |    | 115m6    | 210 |          |     |          |     |
| 24   |          |     |          |     |          |     |          |     |          |     |             | 150m6 | 250         |    |          |     |          |     | 115m6    | 210 |
| 25   |          |     |          |     |          |     |          |     |          |     | 170m6       | 300   |             |    | 130m6    | 250 |          |     |          |     |
| 26   |          |     |          |     |          |     |          |     |          |     | 170m6       | 300   |             |    | 130m6    | 250 |          |     |          |     |

| Size | A    | A1  | B    | B0  | B1   | B2   | C  | d     | E   | G1   | G2  | H    | h   | h1   | R   | S  | Weight (kg) |
|------|------|-----|------|-----|------|------|----|-------|-----|------|-----|------|-----|------|-----|----|-------------|
| 19   | 790  | 690 | 2010 | 120 | 850  | 850  | 60 | 290m6 | 470 | 1832 | 465 | 1270 | 620 | 997  | 435 | 48 | 7000        |
| 20   | 790  | 690 | 2130 | 120 | 850  | 970  | 60 | 310m6 | 470 | 1892 | 465 | 1270 | 620 | 1057 | 495 | 48 | 8300        |
| 21   | 830  | 720 | 2150 | 155 | 900  | 900  | 70 | 330m6 | 550 | 1902 | 490 | 1425 | 700 | 1067 | 485 | 56 | 9400        |
| 22   | 830  | 720 | 2260 | 155 | 900  | 1010 | 70 | 350m6 | 550 | 1957 | 490 | 1425 | 700 | 1122 | 540 | 56 | 10000       |
| 23   | 930  | 810 | 2400 | 155 | 1010 | 1010 | 80 | 370m6 | 550 | 2130 | 540 | 1565 | 780 | 1185 | 550 | 56 | 12500       |
| 24   | 930  | 810 | 2540 | 155 | 1010 | 1140 | 80 | 390m6 | 650 | 2195 | 540 | 1565 | 780 | 1250 | 615 | 56 | 14500       |
| 25   | 1050 | 910 | 2695 | 230 | 1090 | 1090 | 90 | 410m6 | 650 | 2375 | 605 | 1785 | 860 | 1325 | 590 | 66 | 17300       |
| 26   | 1050 | 910 | 2855 | 230 | 1090 | 1270 | 90 | 430m6 | 650 | 2465 | 605 | 1785 | 860 | 1415 | 680 | 66 | 19000       |

**B405H~B412H**
**B405H~B412H**


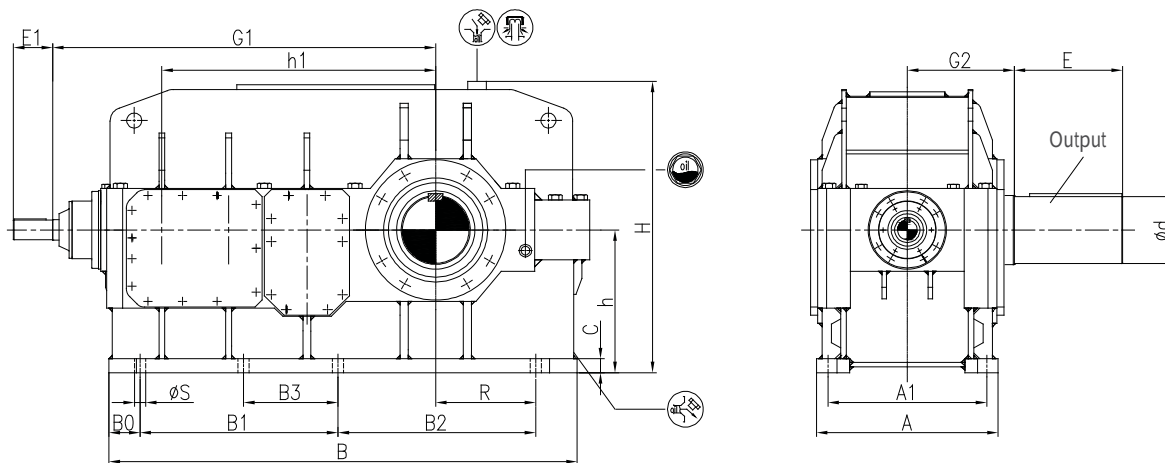
| Size | iN ≤ 250 |     | iN ≤ 280 |     | iN ≥ 280 |    | iN ≥ 315 |    | A   | A1  | B    | B0  | B1   | C  | C1       | d     | D     |
|------|----------|-----|----------|-----|----------|----|----------|----|-----|-----|------|-----|------|----|----------|-------|-------|
|      | d1       | E1  | d1       | E1  | d1       | E1 | d1       | E1 |     |     |      |     |      |    |          |       |       |
| 05   |          |     | 35k6     | 80  |          |    | 25k6     | 50 | 255 | 220 | 713  | 113 | 480  | 28 | 30 ± 1   | 100m6 | 95H7  |
| 06   |          |     | 35k6     | 80  |          |    | 25k6     | 50 | 255 | 220 | 793  | 113 | 560  | 28 | 30 ± 1   | 110m6 | 105H7 |
| 07   |          |     | 35k6     | 80  |          |    | 30k6     | 60 | 300 | 260 | 876  | 131 | 605  | 35 | 36 ± 1   | 120m6 | 115H7 |
| 08   |          |     | 35k6     | 80  |          |    | 30k6     | 60 | 300 | 260 | 981  | 131 | 710  | 35 | 36 ± 1   | 130m6 | 125H7 |
| 09   | 45k6     | 110 |          |     | 35k6     | 80 |          |    | 370 | 320 | 1033 | 156 | 710  | 40 | 45 ± 1.5 | 140m6 | 135H7 |
| 10   | 45k6     | 110 |          |     | 35k6     | 80 |          |    | 370 | 320 | 1131 | 156 | 810  | 40 | 45 ± 1.5 | 160m6 | 150H7 |
| 11   |          |     | 50k6     | 110 |          |    | 40k6     | 80 | 430 | 370 | 1227 | 178 | 870  | 50 | 54 ± 1.5 | 170m6 | 165H7 |
| 12   |          |     | 50k6     | 110 |          |    | 40k6     | 80 | 430 | 370 | 1382 | 178 | 1025 | 50 | 54 ± 1.5 | 180m6 | 180H7 |

| Size | D2    | D3    | E   | G1   | G2  | G4  | g    | H   | h   | h5 | K1  | R   | R1  | R2  | R3  | R4  | S  | S1   | Weight (kg) |
|------|-------|-------|-----|------|-----|-----|------|-----|-----|----|-----|-----|-----|-----|-----|-----|----|------|-------------|
| 05   | 100H7 | 100H7 | 210 | 615  | 165 | 240 | 97.5 | 460 | 230 | 40 | 180 | 100 | 455 | 175 | 90  | 405 | 19 | 24H9 | 337         |
| 06   | 110H7 | 110H7 | 210 | 650  | 165 | 240 | 97.5 | 490 | 230 | 10 | 180 | 145 | 490 | 220 | 90  | 440 | 19 | 24H9 | 416         |
| 07   | 120H7 | 120H7 | 210 | 725  | 195 | 280 | 114  | 560 | 280 | 0  | 215 | 130 | 560 | 215 | 110 | 495 | 24 | 28H9 | 573         |
| 08   | 130H7 | 130H7 | 250 | 770  | 195 | 285 | 114  | 580 | 280 | 0  | 215 | 190 | 605 | 275 | 110 | 540 | 24 | 28H9 | 677         |
| 09   | 140H7 | 140H7 | 250 | 840  | 235 | 330 | 140  | 640 | 320 | 15 | 245 | 155 | 660 | 260 | 130 | 580 | 28 | 36H9 | 925         |
| 10   | 150H7 | 150H7 | 300 | 890  | 235 | 350 | 140  | 670 | 320 | 0  | 245 | 205 | 710 | 310 | 130 | 630 | 28 | 36H9 | 1139        |
| 11   | 165H7 | 165H7 | 300 | 1010 | 270 | 400 | 161  | 760 | 380 | 30 | 300 | 180 | 805 | 295 | 160 | 705 | 35 | 40H9 | 1514        |
| 12   | 180H7 | 180H7 | 300 | 1080 | 270 | 405 | 161  | 783 | 380 | 5  | 300 | 265 | 875 | 380 | 160 | 775 | 35 | 40H9 | 1775        |

**B413H-B418H**
**B413H-B418H**
**B4**

**B4..HS**  
Parallel key solid shaft

**B4..HH**  
Parallel key hollow shaft

**B4..HD**  
Hollow shaft with shrink disc

**B4..HK**  
Hollow shaft with involute spline


| Size | iN=90-250 |     | iN=100-280 |     | iN=280-355 |     | iN=315-400 |     | A   | A1  | B    | B0  | B1    | B2    | C  |
|------|-----------|-----|------------|-----|------------|-----|------------|-----|-----|-----|------|-----|-------|-------|----|
|      | d1        | E1  | d1         | E1  | d1         | E1  | d1         | E1  |     |     |      |     |       |       |    |
| 13   |           |     | 60m6       | 140 |            |     | 50k6       | 110 | 545 | 475 | 1470 | 137 | 667.5 | 527.5 | 60 |
| 14   |           |     | 60m6       | 140 |            |     | 50k6       | 110 | 545 | 475 | 1610 | 137 | 667.5 | 667.5 | 60 |
| 15   |           |     | 75m6       | 140 |            |     | 60m6       | 140 | 620 | 535 | 1760 | 161 | 840   | 600   | 70 |
| 16   |           |     | 75m6       | 140 |            |     | 60m6       | 140 | 620 | 535 | 1850 | 160 | 840   | 690   | 70 |
| 17   | 75m6      | 140 |            |     | 60m6       | 140 |            |     | 680 | 600 | 1820 | 160 | 840   | 660   | 80 |
| 18   |           |     | 75m6       | 140 |            |     | 60m6       | 140 | 680 | 600 | 1940 | 160 | 840   | 780   | 80 |

| Size | d     | D     | D2    | D3    | E   | G1   | G2  | G4  | H    | h   | h5 | R   | R4   | S  | Weight (kg) |
|------|-------|-------|-------|-------|-----|------|-----|-----|------|-----|----|-----|------|----|-------------|
| 13   | 200m6 | 190H7 | 190H7 | 190H7 | 350 | 1170 | 335 | 480 | 875  | 440 | 0  | 305 | 820  | 35 | 2455        |
| 14   | 220m6 | 210H7 | 210H7 | 210H7 | 350 | 1240 | 335 | 480 | 940  | 440 | 40 | 375 | 890  | 35 | 3000        |
| 15   | 240m6 | 230H7 | 230H7 | 230H7 | 410 | 1407 | 380 | 550 | 1000 | 500 | 60 | 365 | 987  | 42 | 3805        |
| 16   | 250m6 | 240H7 | 240H7 | 240H7 | 410 | 1453 | 380 | 550 | 1035 | 500 | 20 | 410 | 1033 | 42 | 4315        |
| 17   | 260n6 | 250H7 | 250H7 | 250H7 | 410 | 1455 | 415 | 600 | 1105 | 550 | 60 | 390 | 1035 | 42 | 4810        |
| 18   | 280n6 | 275H7 | 280H7 | 280H7 | 470 | 1515 | 415 | 600 | 1110 | 550 | 70 | 450 | 1095 | 42 | 5340        |

**B419H~B426H**
**B419H~B426H**
**B4**


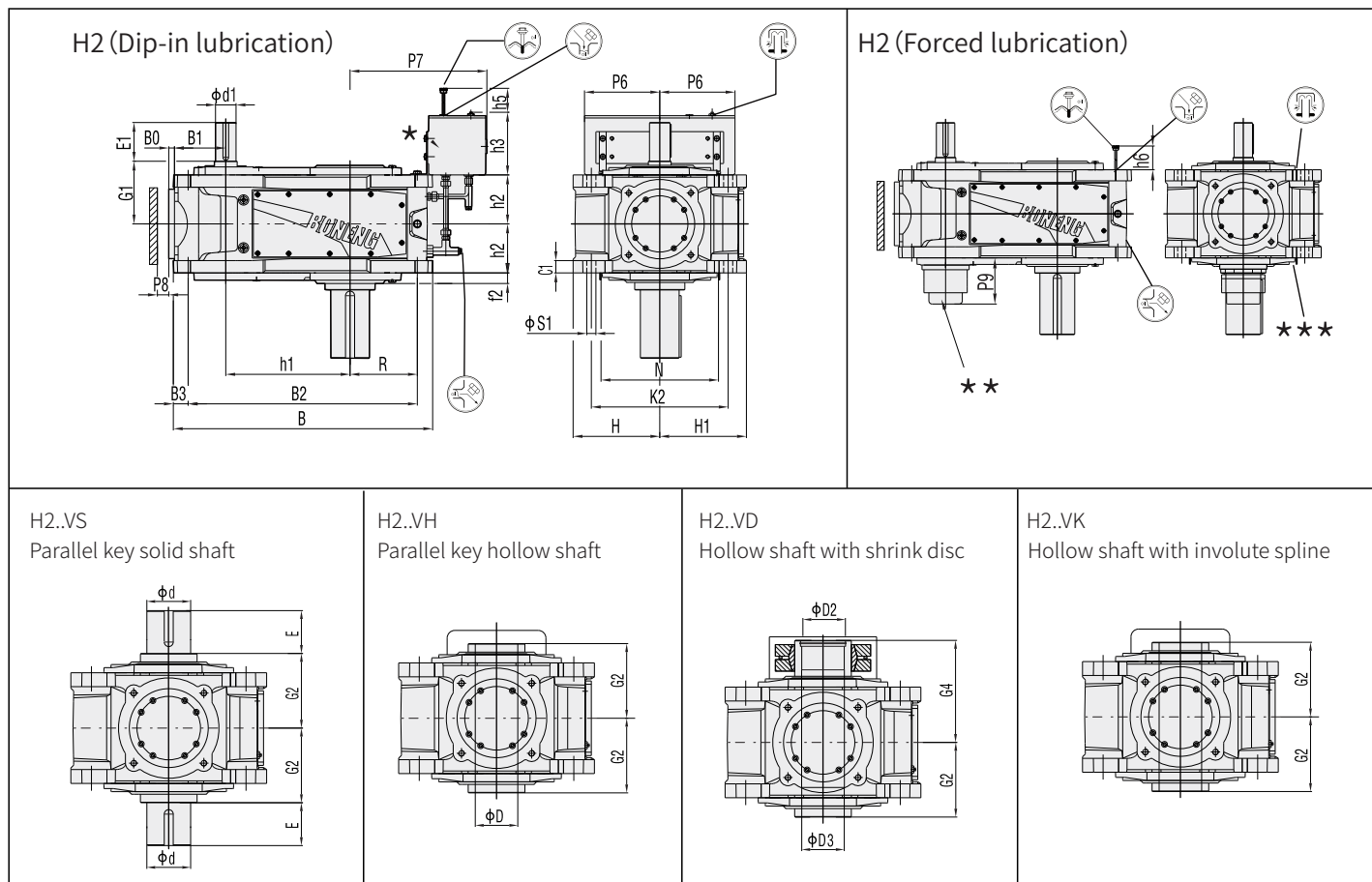
| Size | iN=90~250 |     | iN=100~250 |     | iN=100~280 |     | iN=280~355 |     | iN=280~400 |     | iN=315~400 |     | A    | A1  | B    |
|------|-----------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------|-----|------|
|      | d1        | E1  | d1         | E1  | d1         | E1  | d1         | E1  | d1         | E1  | d1         | E1  |      |     |      |
| 19   |           |     | 85m6       | 170 |            |     | 70m6       | 140 |            |     |            |     | 790  | 690 | 2035 |
| 20   |           |     |            |     | 85m6       | 170 |            |     |            |     | 70m6       | 140 | 790  | 690 | 2165 |
| 21   |           |     | 95m6       | 170 |            |     |            |     | 75m6       | 140 |            |     | 830  | 720 | 2375 |
| 22   |           |     |            |     | 95m6       | 170 |            |     |            |     | 75m6       | 140 | 830  | 720 | 2465 |
| 23   | 95m6      | 170 |            |     |            |     | 75m6       | 140 |            |     |            |     | 930  | 810 | 2560 |
| 24   |           |     |            |     | 95m6       | 170 |            |     |            |     | 75m6       | 140 | 930  | 810 | 2715 |
| 25   | 115m6     | 210 |            |     |            |     | 90m6       | 170 |            |     |            |     | 1050 | 910 | 2890 |
| 26   | 115m6     | 210 |            |     |            |     | 90m6       | 170 |            |     |            |     | 1050 | 910 | 3050 |

| Size | B0  | B1   | B2   | B3  | C  | d     | E   | G1   | G2  | H    | h   | h1   | R   | S  | Weight (kg) |
|------|-----|------|------|-----|----|-------|-----|------|-----|------|-----|------|-----|----|-------------|
| 19   | 135 | 860  | 860  | /   | 60 | 290n6 | 470 | 1665 | 465 | 1270 | 620 | 1190 | 435 | 48 | 6800        |
| 20   | 135 | 860  | 980  | /   | 60 | 310n6 | 470 | 1725 | 465 | 1270 | 620 | 1250 | 495 | 48 | 8300        |
| 21   | 155 | 1000 | 1000 | /   | 70 | 330n6 | 550 | 1992 | 490 | 1425 | 700 | 1387 | 485 | 56 | 9300        |
| 22   | 155 | 1000 | 1110 | /   | 70 | 350n6 | 550 | 2047 | 490 | 1425 | 700 | 1442 | 540 | 56 | 10100       |
| 23   | 180 | 1185 | 985  | 545 | 80 | 370n6 | 550 | 2110 | 540 | 1565 | 780 | 1505 | 550 | 56 | 12600       |
| 24   | 180 | 1185 | 1115 | 545 | 80 | 390n6 | 650 | 2175 | 540 | 1565 | 780 | 1570 | 615 | 56 | 14600       |
| 25   | 175 | 1350 | 1080 | 640 | 90 | 410n6 | 650 | 2395 | 605 | 1785 | 860 | 1695 | 590 | 66 | 17400       |
| 26   | 175 | 1350 | 1260 | 565 | 90 | 430n6 | 650 | 2485 | 605 | 1785 | 860 | 1785 | 680 | 66 | 19000       |



**H204V-H212V**

**H204V-H212V**



★ 补偿油箱(附件代号:US33)  
★★ 油泵(附件代号US31)  
★★★ 安装面

★ Compensation oil tank (Accessory code:US33)  
★★ Oil Pump(Accessory code:US31)  
★★★ Mounting position

| Size | iN≤3.15 (Size:04)<br>iN≤3.55 (Size:06)<br>iN≤4 (Size:08、09、11)<br>iN≤5.6 (Size:12) |     | 3.55≤iN≤5.6 (Size:04)<br>4≤iN≤5.6 (Size:06)<br>4.5≤iN≤5.6 (Size:08、09、11) |     | 6.3≤iN≤11.2 |     | 12.5≤iN≤22.4 |     | B    | B0 | B1  | B2   | B3 | C1     | d     | D     | D2    | D3    | E   | f2 |
|------|------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------|-----|-------------|-----|--------------|-----|------|----|-----|------|----|--------|-------|-------|-------|-------|-----|----|
|      | d1                                                                                 | E1  | d1                                                                        | E1  | d1          | E1  | d1           | E1  |      |    |     |      |    |        |       |       |       |       |     |    |
| 04   | 45k6                                                                               | 110 | 32k6                                                                      | 80  | 45k6        | 110 | 32k6         | 80  | 586  | 16 | 110 | 505  | 37 | 30±1   | 80m6  | 80H7  | 85H7  | 85H7  | 170 | 35 |
| 05   | /                                                                                  | /   | /                                                                         | /   | 50k6        | 110 | 38k6         | 80  | 667  | 16 | 130 | 580  | 38 | 30±1   | 100m6 | 95H7  | 100H7 | 100H7 | 210 | 30 |
| 06   | 50k6                                                                               | 110 | 38k6                                                                      | 80  | 50k6        | 110 | 38k6         | 80  | 743  | 16 | 130 | 660  | 38 | 30±1   | 110m6 | 105H7 | 110H7 | 110H7 | 210 | 30 |
| 07   | /                                                                                  | /   | /                                                                         | /   | 60m6        | 140 | 50k6         | 110 | 816  | 20 | 160 | 715  | 46 | 36±1   | 120m6 | 115H7 | 120H7 | 120H7 | 210 | 35 |
| 08   | 60m6                                                                               | 140 | 50k6                                                                      | 110 | 60m6        | 140 | 50k6         | 110 | 920  | 20 | 160 | 820  | 46 | 36±1   | 130m6 | 125H7 | 130H7 | 130H7 | 250 | 35 |
| 09   | 75m6                                                                               | 140 | 60m6                                                                      | 140 | 75m6        | 140 | 60m6         | 140 | 957  | 20 | 185 | 845  | 51 | 45±1.5 | 140m6 | 135H7 | 140H7 | 140H7 | 250 | 35 |
| 10   | /                                                                                  | /   | /                                                                         | /   | 75m6        | 140 | 60m6         | 140 | 1062 | 20 | 185 | 945  | 51 | 45±1.5 | 160m6 | 150H7 | 150H7 | 150H7 | 300 | 35 |
| 11   | 90m6                                                                               | 170 | 70m6                                                                      | 140 | 90m6        | 170 | 70m6         | 140 | 1132 | 25 | 225 | 1005 | 63 | 54±1.5 | 170m6 | 165H7 | 165H7 | 165H7 | 300 | 42 |
| 12   | 90m6                                                                               | 170 | /                                                                         | /   | 90m6        | 170 | 70m6         | 140 | 1292 | 25 | 225 | 1160 | 63 | 54±1.5 | 180m6 | 180H7 | 180H7 | 180H7 | 300 | 42 |

| Size | G1  | G2  | G4  | H   | H1  | h1  | h2    | h3  | h5  | h6  | K2  | N   | P6  | P7  | P8 | P9  | R   | S1   | Weight (kg) |
|------|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|------|-------------|
| 04   | 170 | 140 | 205 | 200 | 200 | 270 | 107.5 | 175 | 140 | 85  | 300 | 250 | 150 | 340 | 35 | 132 | 160 | 24H9 | 195         |
| 05   | 195 | 165 | 240 | 230 | 230 | 315 | 127.5 | 210 | 160 | 105 | 360 | 310 | 240 | 405 | 35 | 145 | 175 | 24H9 | 310         |
| 06   | 195 | 165 | 240 | 230 | 260 | 350 | 127.5 | 210 | 160 | 105 | 360 | 310 | 240 | 450 | 35 | 145 | 220 | 24H9 | 385         |
| 07   | 210 | 195 | 280 | 280 | 280 | 385 | 150   | 210 | 160 | 120 | 430 | 360 | 240 | 445 | 35 | 143 | 215 | 28H9 | 519         |
| 08   | 210 | 195 | 285 | 280 | 300 | 430 | 150   | 210 | 160 | 120 | 430 | 360 | 240 | 505 | 35 | 143 | 275 | 28H9 | 624         |
| 09   | 240 | 235 | 330 | 320 | 320 | 450 | 185   | 285 | 200 | 155 | 490 | 410 | 330 | 585 | 40 | 135 | 260 | 36H9 | 828         |
| 10   | 240 | 235 | 350 | 320 | 350 | 500 | 185   | 285 | 200 | 155 | 490 | 430 | 330 | 635 | 40 | 135 | 310 | 36H9 | 1044        |
| 11   | 275 | 270 | 400 | 380 | 380 | 545 | 215   | 285 | 200 | 150 | 600 | 500 | 330 | 620 | 50 | 142 | 295 | 40H9 | 1371        |
| 12   | 275 | 270 | 405 | 380 | 410 | 615 | 215   | 285 | 200 | 150 | 600 | 500 | 330 | 705 | 50 | 142 | 380 | 40H9 | 1644        |

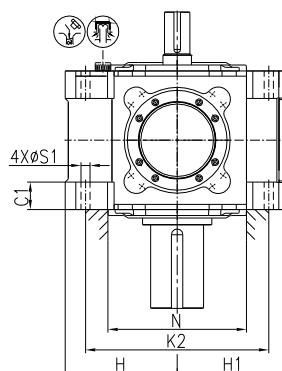
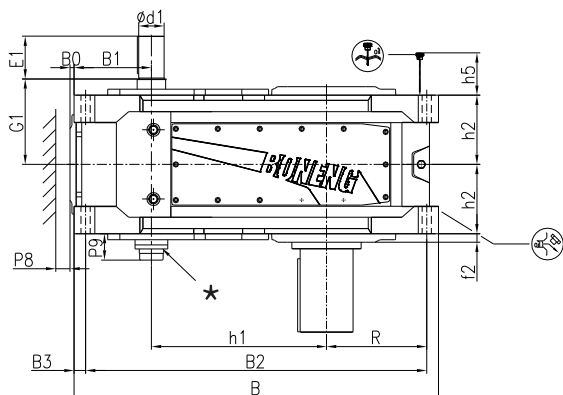
\*默认安装面为下表面,以上表面为安装面请在订货时注明。

\*The general mounting is up position,if down mounting position, please mention in the order.

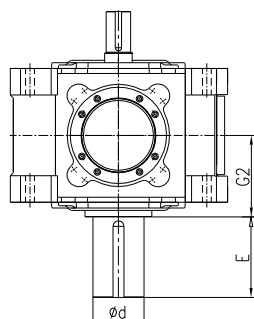
**H213V-H218V**

**H213V-H218V**

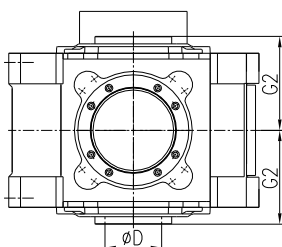
H2 (With forced lubrication)



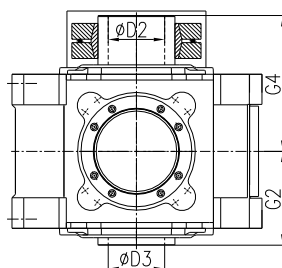
H2.VS  
Parallel key solid shaft



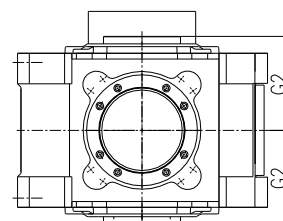
H2.VH  
Parallel key hollow shaft



H2.VD  
Hollow shaft with shrink disc



H2.VK  
Hollow shaft with involute spline



★ 油泵(附件代号US31)

★ Oil Pump(Accessory code:US31)

| Size | iN=3. 15-11.2 |     | iN=3. 15-12.5 |     | iN=12.5-20 |     | iN=14-20 |     | B    | B0 | B1  | B2   | B3 | C1    | d     | D     |
|------|---------------|-----|---------------|-----|------------|-----|----------|-----|------|----|-----|------|----|-------|-------|-------|
|      | d1            | E1  | d1            | E1  | d1         | E1  | d1       | E1  |      |    |     |      |    |       |       |       |
| 13   | 100m6         | 210 |               |     | 85m6       | 170 |          |     | 1375 | 0  | 292 | 1270 | 52 | 105±2 | 200m6 | 190H7 |
| 14   | 100m6         | 210 |               |     | 85m6       | 170 |          |     | 1505 | 2  | 287 | 1410 | 47 | 105±2 | 220m6 | 210H7 |
| 15   | 120m6         | 210 |               |     | 100m6      | 210 |          |     | 1630 | 7  | 343 | 1515 | 57 | 125±2 | 240m6 | 230H7 |
| 16   | 120m6         | 210 |               |     | 100m6      | 210 |          |     | 1720 | 8  | 342 | 1605 | 57 | 125±2 | 250m6 | 240H7 |
| 17   | 125m6         | 210 |               |     | 100m6      | 210 |          |     | 1790 | 20 | 380 | 1675 | 57 | 135±2 | 260n6 | 250H7 |
| 18   |               |     | 125m6         | 210 |            |     | 110m6    | 210 | 1910 | 20 | 380 | 1795 | 57 | 135±2 | 280n6 | 275H7 |

| Size | D2    | D3    | E   | f 2 | G1  | G2  | G4  | H   | H1  | h1  | h2    | h5  | K2  | N   | P8 | P9  | R   | S1 | Weight (kg) |
|------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|----|-----|-----|----|-------------|
| 13   | 190H7 | 190H7 | 350 | 35  | 330 | 335 | 480 | 440 | 435 | 635 | 272.5 | 210 | 720 | 550 | 50 | 130 | 395 | 48 | 2075        |
| 14   | 210H7 | 210H7 | 350 | 35  | 330 | 335 | 480 | 440 | 500 | 705 | 272.5 | 210 | 740 | 570 | 50 | 130 | 465 | 48 | 2825        |
| 15   | 230H7 | 230H7 | 410 | 32  | 365 | 380 | 550 | 500 | 500 | 762 | 310   | 230 | 820 | 640 | 50 | 130 | 467 | 55 | 3610        |
| 16   | 240H7 | 240H7 | 410 | 32  | 365 | 380 | 550 | 500 | 535 | 808 | 310   | 230 | 860 | 650 | 50 | 130 | 512 | 55 | 3970        |
| 17   | 250H7 | 250H7 | 410 | 42  | 420 | 415 | 600 | 550 | 555 | 860 | 340   | 250 | 900 | 690 | 70 | 170 | 492 | 55 | 4765        |
| 18   | 280H7 | 280H7 | 470 | 42  | 420 | 415 | 600 | 550 | 560 | 920 | 340   | 250 | 900 | 710 | 70 | 170 | 552 | 55 | 5265        |

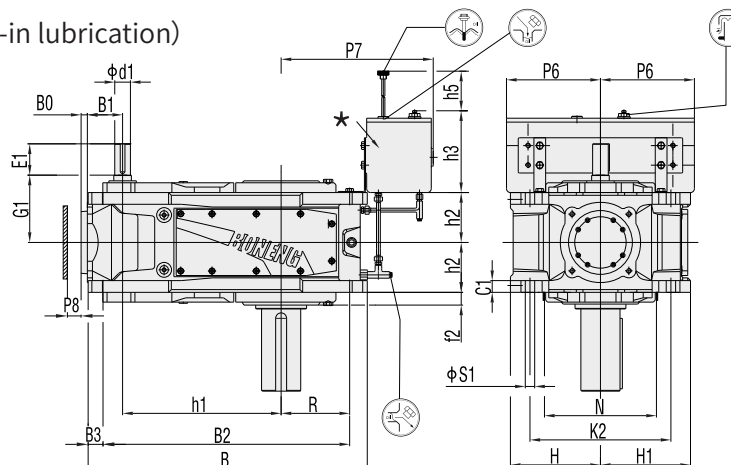
\*默认安装面为下表面, 以上表面为安装面请在订货时注明。

\*The general mounting is up position, if down mounting position, please mention in the order.

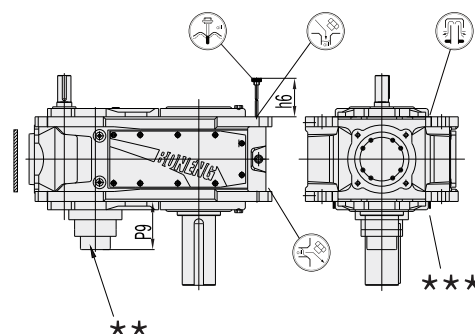
**H305V-H312V**

**H305V-H312V**

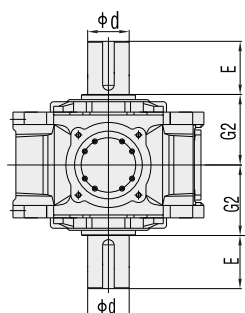
**H3 (Dip-in lubrication)**



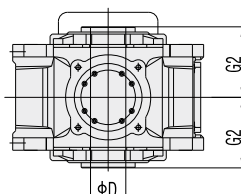
**H3 (Forced lubrication)**



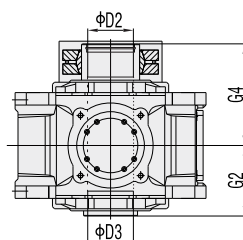
**H3.VS**  
Parallel key solid shaft



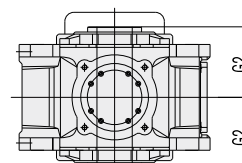
**H3.VH**  
Parallel key hollow shaft



**H3.VD**  
Hollow shaft with shrink disc



**H3.VK**  
Hollow shaft with involute spline



- ★ 补偿油箱(附件代号:US33)
- ★★ 油泵(附件代号US31)
- ★★★ 安装面

- ★ Compensation oil tank (Accessory code:US33)
- ★★ Oil Pump(Accessory code:US31)
- ★★★ Mounting position

| Size | iN ≤ 45 |    | iN ≤ 50 |     | iN ≥ 50 |    | iN ≥ 56 |     | B    | B0 | B1  | B2   | B3 | C1       | d     | D     | D2    | D3    |
|------|---------|----|---------|-----|---------|----|---------|-----|------|----|-----|------|----|----------|-------|-------|-------|-------|
|      | d1      | E1 | d1      | E1  | d1      | E1 | d1      | E1  |      |    |     |      |    |          |       |       |       |       |
| 05   | 40k6    | 80 |         |     | 30k6    | 60 |         |     | 713  | 16 | 90  | 630  | 38 | 30 ± 1   | 100m6 | 95H7  | 100H7 | 100H7 |
| 06   | 40k6    | 80 |         |     | 30k6    | 60 |         |     | 793  | 16 | 90  | 710  | 38 | 30 ± 1   | 110m6 | 105H7 | 110H7 | 110H7 |
| 07   |         |    | 45k6    | 110 |         |    | 35k6    | 80  | 876  | 16 | 110 | 775  | 46 | 36 ± 1   | 120m6 | 115H7 | 120H7 | 120H7 |
| 08   |         |    | 45k6    | 110 |         |    | 35k6    | 80  | 981  | 16 | 110 | 880  | 46 | 36 ± 1   | 130m6 | 125H7 | 130H7 | 130H7 |
| 09   |         |    | 60m6    | 140 |         |    | 45k6    | 110 | 1033 | 20 | 130 | 920  | 51 | 45 ± 1.5 | 140m6 | 135H7 | 140H7 | 140H7 |
| 10   |         |    | 60m6    | 140 |         |    | 45k6    | 110 | 1131 | 20 | 130 | 1020 | 51 | 45 ± 1.5 | 160m6 | 150H7 | 150H7 | 150H7 |
| 11   |         |    | 70m6    | 140 |         |    | 50k6    | 110 | 1227 | 20 | 160 | 1100 | 63 | 54 ± 1.5 | 170m6 | 165H7 | 165H7 | 165H7 |
| 12   |         |    | 70m6    | 140 |         |    | 50k6    | 110 | 1382 | 20 | 160 | 1255 | 63 | 54 ± 1.5 | 180m6 | 180H7 | 180H7 | 180H7 |

| Size | E   | f2 | G1  | G2  | G4  | H   | H1  | h1  | h2    | h3  | h5  | h6  | K2  | N   | P6  | P7  | P8 | P9  | R   | S1   | Weight (kg) |
|------|-----|----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|------|-------------|
| 05   | 210 | 30 | 170 | 165 | 240 | 230 | 230 | 405 | 127.5 | 210 | 160 | 105 | 360 | 310 | 240 | 405 | 35 | 145 | 175 | 24H9 | 324         |
| 06   | 210 | 30 | 170 | 165 | 240 | 230 | 260 | 440 | 127.5 | 210 | 160 | 105 | 360 | 310 | 240 | 450 | 35 | 145 | 220 | 24H9 | 403         |
| 07   | 210 | 35 | 210 | 195 | 280 | 280 | 280 | 495 | 150   | 210 | 160 | 120 | 430 | 360 | 240 | 445 | 35 | 143 | 215 | 28H9 | 558         |
| 08   | 250 | 35 | 210 | 195 | 285 | 280 | 300 | 540 | 150   | 210 | 160 | 120 | 430 | 360 | 240 | 505 | 35 | 143 | 275 | 28H9 | 663         |
| 09   | 250 | 35 | 240 | 235 | 330 | 320 | 320 | 580 | 185   | 285 | 200 | 155 | 490 | 420 | 330 | 585 | 40 | 155 | 260 | 36H9 | 899         |
| 10   | 300 | 35 | 240 | 235 | 350 | 320 | 350 | 630 | 185   | 285 | 200 | 155 | 490 | 430 | 330 | 635 | 40 | 155 | 310 | 36H9 | 1113        |
| 11   | 300 | 42 | 275 | 270 | 400 | 380 | 380 | 705 | 215   | 285 | 200 | 150 | 600 | 510 | 330 | 620 | 50 | 162 | 295 | 40H9 | 1481        |
| 12   | 300 | 42 | 275 | 270 | 405 | 380 | 410 | 775 | 215   | 285 | 200 | 150 | 600 | 510 | 330 | 705 | 50 | 162 | 380 | 40H9 | 1742        |

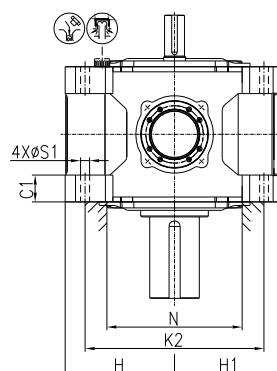
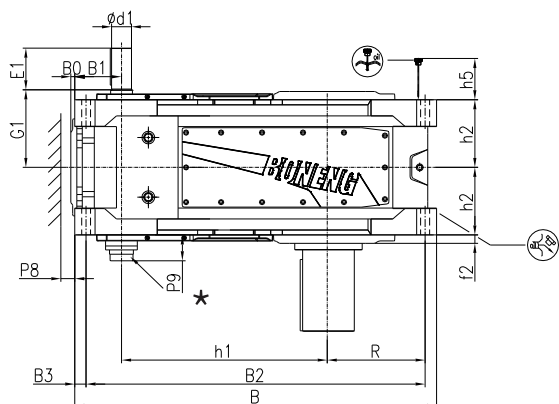
\*默认安装面为下表面, 以上表面为安装面请在订货时注明。

\*The general mounting is up position, if down mounting position, please mention in the order.

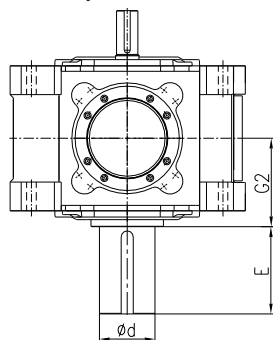
**H313V-H318V**

**H313V-H318V**

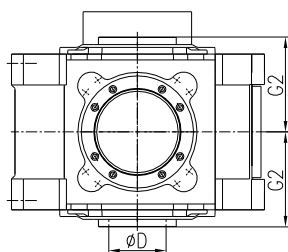
H3 (With forced lubrication)



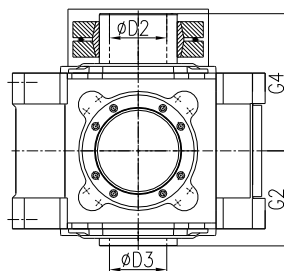
H3.VS  
Parallel key solid shaft



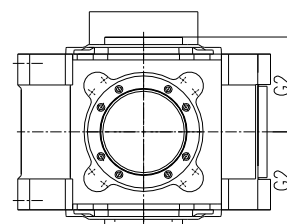
H3.VH  
Parallel key hollow shaft



H3.VD  
Hollow shaft with shrink disc



H3.VK  
Hollow shaft with involute spline



★ 油泵(附件代号US31)

★ Oil Pump(Accessory code:US31)

| Size | iN=14-45 |     | iN=16-50 |     | iN=50-100 |     | iN=56-100 |     | iN=56-112 |     | B    | B0 | B1  | B2   | B3 | C1    | d     | D     |
|------|----------|-----|----------|-----|-----------|-----|-----------|-----|-----------|-----|------|----|-----|------|----|-------|-------|-------|
|      | d1       | E1  | d1       | E1  | d1        | E1  | d1        | E1  | d1        | E1  |      |    |     |      |    |       |       |       |
| 13   |          |     | 85m6     | 170 |           |     | 60m6      | 140 |           |     | 1470 | 0  | 207 | 1375 | 47 | 105±2 | 200m6 | 190H7 |
| 14   |          |     | 85m6     | 170 |           |     | 60m6      | 140 |           |     | 1610 | 0  | 207 | 1515 | 48 | 105±2 | 220m6 | 210H7 |
| 15   |          |     | 100m6    | 210 |           |     |           |     | 75m6      | 140 | 1760 | 0  | 249 | 1655 | 51 | 125±2 | 240m6 | 230H7 |
| 16   |          |     | 100m6    | 210 |           |     |           |     | 75m6      | 140 | 1850 | 2  | 247 | 1735 | 57 | 125±2 | 250m6 | 240H7 |
| 17   | 100m6    | 210 |          |     | 75m6      | 140 |           |     |           |     | 1820 | 14 | 235 | 1705 | 57 | 135±2 | 260n6 | 250H7 |
| 18   |          |     | 100m6    | 210 |           |     |           |     | 75m6      | 140 | 1940 | 14 | 235 | 1825 | 57 | 135±2 | 280n6 | 275H7 |

| Size | D2    | D3    | E   | f2 | G1  | G2  | G4  | H   | H1  | h1   | h2    | h5  | K2  | N   | P8 | P9  | R   | S1 | Weight (kg) |
|------|-------|-------|-----|----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|----|-----|-----|----|-------------|
| 13   | 190H7 | 190H7 | 350 | 35 | 325 | 335 | 480 | 440 | 435 | 820  | 272.5 | 210 | 720 | 570 | 50 | 170 | 395 | 48 | 2355        |
| 14   | 210H7 | 210H7 | 350 | 35 | 325 | 335 | 480 | 440 | 500 | 890  | 272.5 | 210 | 740 | 570 | 50 | 170 | 465 | 48 | 2880        |
| 15   | 230H7 | 230H7 | 410 | 32 | 365 | 380 | 550 | 500 | 500 | 987  | 310   | 230 | 820 | 710 | 50 | 170 | 470 | 55 | 3640        |
| 16   | 240H7 | 240H7 | 410 | 32 | 365 | 380 | 550 | 500 | 535 | 1033 | 310   | 230 | 860 | 710 | 50 | 170 | 512 | 55 | 4195        |
| 17   | 250H7 | 250H7 | 410 | 42 | 400 | 415 | 600 | 550 | 555 | 1035 | 340   | 250 | 900 | 790 | 70 | 210 | 492 | 55 | 4670        |
| 18   | 280H7 | 280H7 | 470 | 42 | 400 | 415 | 600 | 550 | 560 | 1095 | 340   | 250 | 900 | 790 | 70 | 210 | 552 | 55 | 5165        |

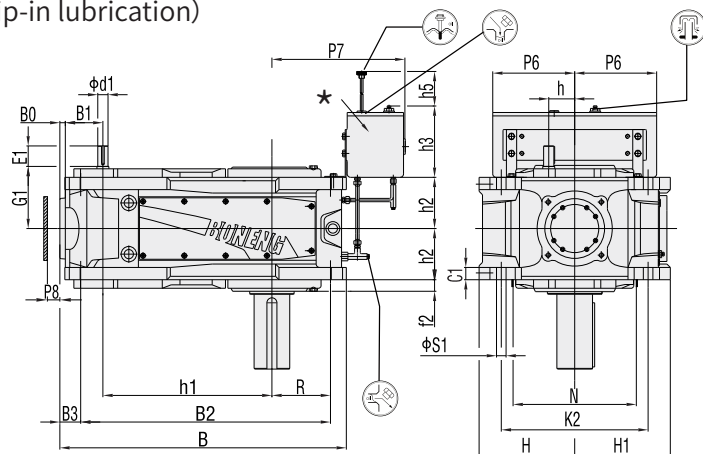
\*默认安装面为下表面, 以上表面为安装面请在订货时注明。

\*The general mounting is up position, if down mounting position, please mention in the order.

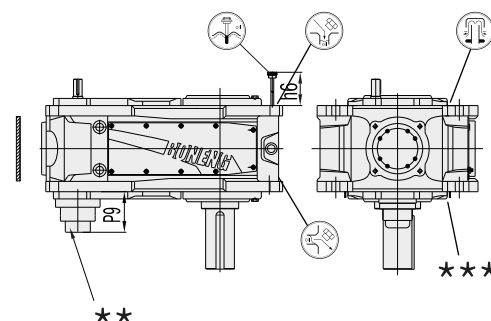
**H407V-H412V**

**H407V-H412V**

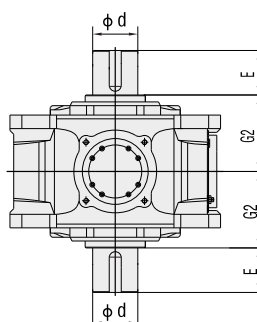
**H4 (Dip-in lubrication)**



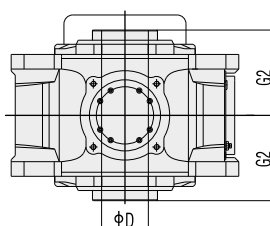
**H4 (Forced lubrication)**



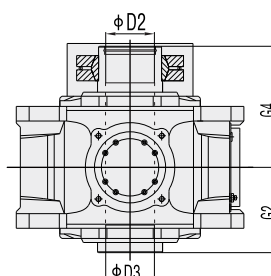
**H4..VS**  
Parallel key solid shaft



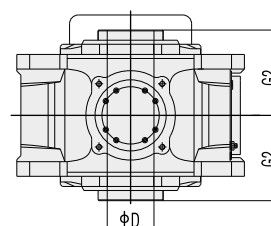
**H4..VH**  
Parallel key hollow shaft



**H4..VD**  
Hollow shaft with shrink disc



**H4..VK**  
Hollow shaft with involute spline



★ 补偿油箱(附件代号:US33)  
★★ 油泵(附件代号:US31)  
★★★ 安装面

★ Compensation oil tank (Accessory code:US33)  
★★ Oil Pump(Accessory code:US31)  
★★★ Mounting position

| Size | iN ≤ 200 |    | iN ≤ 224 |     | iN ≥ 224 |    | iN ≥ 250 |    | B    | B0 | B1  | B2   | B3 | C1       | d     | D     | D2    | D3    | E   |
|------|----------|----|----------|-----|----------|----|----------|----|------|----|-----|------|----|----------|-------|-------|-------|-------|-----|
|      | d1       | E1 | d1       | E1  | d1       | E1 | d1       | E1 |      |    |     |      |    |          |       |       |       |       |     |
| 07   | 30k6     | 60 |          |     | 24k6     | 50 |          |    | 876  | 16 | 110 | 775  | 46 | 36 ± 1   | 120m6 | 115H7 | 120H7 | 120H7 | 210 |
| 08   | 30k6     | 60 |          |     | 24k6     | 50 |          |    | 981  | 16 | 110 | 880  | 46 | 36 ± 1   | 130m6 | 125H7 | 130H7 | 130H7 | 250 |
| 09   | 35k6     | 80 |          |     | 28k6     | 60 |          |    | 1033 | 20 | 130 | 920  | 51 | 45 ± 1.5 | 140m6 | 135H7 | 140H7 | 140H7 | 250 |
| 10   | 35k6     | 80 |          |     | 28k6     | 60 |          |    | 1131 | 20 | 130 | 1020 | 51 | 45 ± 1.5 | 160m6 | 150H7 | 150H7 | 150H7 | 300 |
| 11   |          |    | 45k6     | 110 |          |    | 32k6     | 80 | 1227 | 20 | 160 | 1100 | 63 | 54 ± 1.5 | 170m6 | 165H7 | 165H7 | 165H7 | 300 |
| 12   |          |    | 45k6     | 110 |          |    | 32k6     | 80 | 1382 | 20 | 160 | 1255 | 63 | 54 ± 1.5 | 180m6 | 180H7 | 180H7 | 180H7 | 300 |

| Size | f2 | G1  | G2  | G4  | H   | H1  | h    | h1  | h2  | h3  | h5  | h6  | K2  | N   | P6  | P7  | P8 | P9  | R   | S1   | Weight (kg) |
|------|----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|------|-------------|
| 07   | 35 | 180 | 195 | 280 | 280 | 280 | 76   | 495 | 150 | 210 | 160 | 120 | 430 | 360 | 240 | 445 | 35 | 102 | 215 | 28H9 | 559         |
| 08   | 35 | 180 | 195 | 285 | 280 | 300 | 76   | 540 | 150 | 210 | 160 | 120 | 430 | 360 | 240 | 505 | 35 | 102 | 275 | 28H9 | 664         |
| 09   | 35 | 215 | 235 | 330 | 320 | 320 | 93.5 | 580 | 185 | 285 | 200 | 155 | 490 | 420 | 330 | 585 | 40 | 125 | 260 | 36H9 | 901         |
| 10   | 35 | 215 | 235 | 350 | 320 | 350 | 93.5 | 630 | 185 | 285 | 200 | 155 | 490 | 430 | 330 | 635 | 40 | 125 | 310 | 36H9 | 1115        |
| 11   | 42 | 250 | 270 | 400 | 380 | 380 | 120  | 705 | 215 | 285 | 200 | 150 | 600 | 510 | 330 | 620 | 50 | 140 | 295 | 40H9 | 1487        |
| 12   | 42 | 250 | 270 | 405 | 380 | 410 | 120  | 775 | 215 | 285 | 200 | 150 | 600 | 510 | 330 | 705 | 50 | 140 | 380 | 40H9 | 1747        |

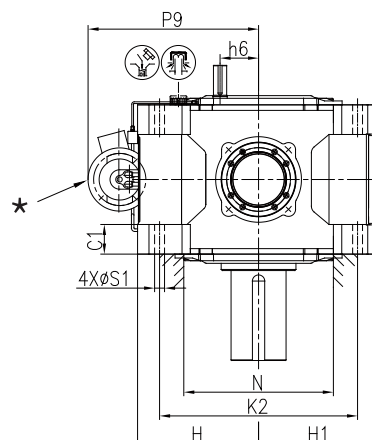
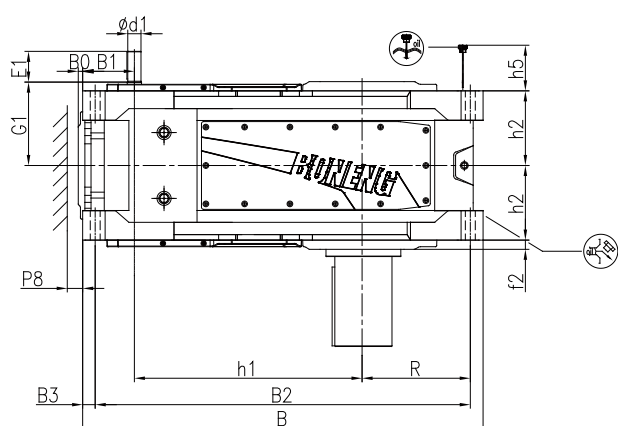
\*默认安装面为下表面,以上表面为安装面请在订货时注明。

\*The general mounting is up position,if down mounting position, please mention in the order.

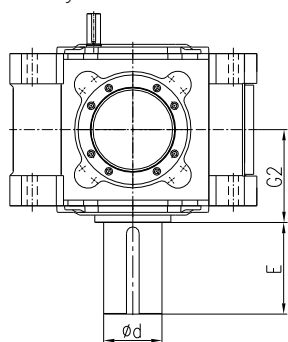
**H413V-H418V**

**H413V-H418V**

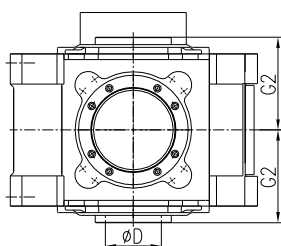
H4 (With forced lubrication)



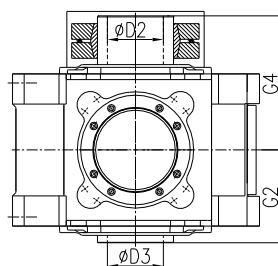
H4..VS  
Parallel key solid shaft



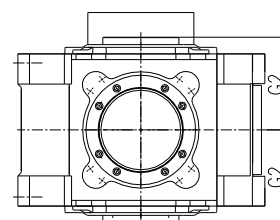
H4..VH  
Parallel key hollow shaft



H4..VD  
Hollow shaft with shrink disc



H4..VK  
Hollow shaft with involute spline



★ 电机油泵 (附件代号US32)

★ Motor Pump(Accessory code:US32)

| Size | iN=63-200 |     | iN=71-224 |     | iN=224-400 |     | iN=250-450 |     | B    | B0 | B1  | B2   | B3 | C1    | d     | D     | D2    | D3    |
|------|-----------|-----|-----------|-----|------------|-----|------------|-----|------|----|-----|------|----|-------|-------|-------|-------|-------|
|      | d1        | E1  | d1        | E1  | d1         | E1  | d1         | E1  |      |    |     |      |    |       |       |       |       |       |
| 13   |           |     | 50k6      | 110 |            |     | 38k6       | 80  | 1470 | 0  | 207 | 1375 | 47 | 105±2 | 200m6 | 190H7 | 190H7 | 190H7 |
| 14   |           |     | 50k6      | 110 |            |     | 38k6       | 80  | 1610 | 0  | 207 | 1515 | 48 | 105±2 | 220m6 | 210H7 | 210H7 | 210H7 |
| 15   |           |     | 60m6      | 140 |            |     | 50k6       | 110 | 1760 | 0  | 249 | 1655 | 51 | 125±2 | 240m6 | 230H7 | 230H7 | 230H7 |
| 16   |           |     | 60m6      | 140 |            |     | 50k6       | 110 | 1850 | 2  | 247 | 1735 | 57 | 125±2 | 250m6 | 240H7 | 240H7 | 240H7 |
| 17   | 60m6      | 140 |           |     | 50k6       | 110 |            |     | 1820 | 14 | 235 | 1705 | 57 | 135±2 | 260n6 | 250H7 | 250H7 | 250H7 |
| 18   |           |     | 60m6      | 140 |            |     | 50k6       | 110 | 1940 | 14 | 235 | 1825 | 57 | 135±2 | 280n6 | 275H7 | 280H7 | 280H7 |

| Size | E   | f2 | G1  | G2  | G4  | H   | H1  | h1   | h2    | h5  | h6  | K2  | N   | P8 | P9  | R   | S1 | Weight (kg) |
|------|-----|----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|-----|----|-----|-----|----|-------------|
| 13   | 350 | 35 | 305 | 335 | 480 | 440 | 435 | 820  | 272.5 | 210 | 140 | 720 | 570 | 50 | 670 | 395 | 48 | 2450        |
| 14   | 350 | 35 | 305 | 335 | 480 | 440 | 500 | 890  | 272.5 | 210 | 140 | 740 | 570 | 50 | 670 | 465 | 48 | 2995        |
| 15   | 410 | 32 | 345 | 380 | 550 | 500 | 500 | 987  | 310   | 230 | 175 | 820 | 710 | 50 | 710 | 470 | 55 | 3810        |
| 16   | 410 | 32 | 345 | 380 | 550 | 500 | 535 | 1033 | 310   | 230 | 175 | 860 | 710 | 50 | 710 | 512 | 55 | 4290        |
| 17   | 410 | 42 | 380 | 415 | 600 | 550 | 555 | 1035 | 340   | 250 | 175 | 900 | 790 | 70 | 775 | 492 | 55 | 4795        |
| 18   | 470 | 42 | 380 | 415 | 600 | 550 | 560 | 1095 | 340   | 250 | 175 | 900 | 790 | 70 | 775 | 552 | 55 | 5325        |

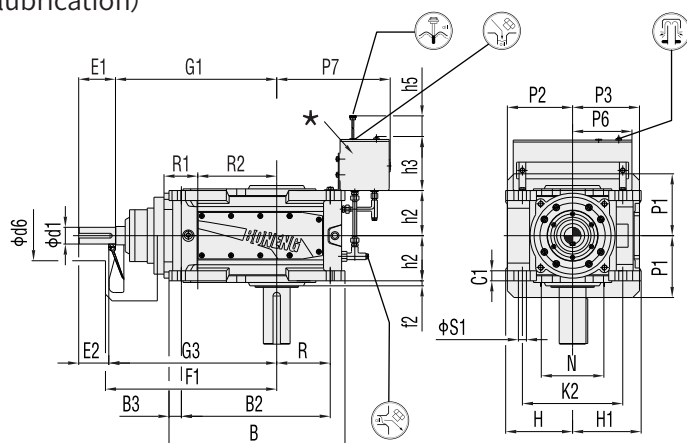
\*默认安装面为下表面, 以上表面为安装面请在订货时注明。

\*The general mounting is up position, if down mounting position, please mention in the order.

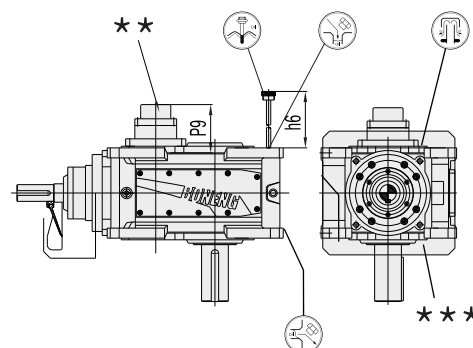
**B204V-B212V**

**B204V-B212V**

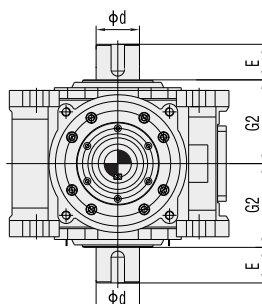
**B2 (Dip-in lubrication)**



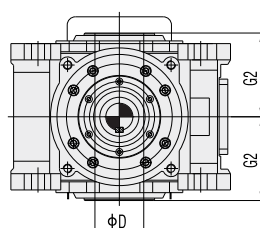
**B2 (Forced lubrication)**



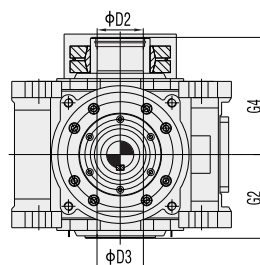
**B2..VS**  
Parallel key solid shaft



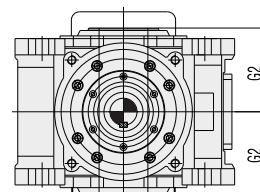
**B2..VH**  
Parallel key hollow shaft



**B2..VD**  
Hollow shaft with shrink disc



**B2..VK**  
Hollow shaft with involute spline



★ 补偿油箱(附件代号:US33)  
★★ 油泵(附件代号US31)  
★★★ 安装面

★ Compensation oil tank (Accessory code:US33)  
★★ Oil Pump(Accessory code:US31)  
★★★ Mounting position

| Size | iN ≤ 14 |     |     | B    | B2   | B3 | C1       | d     | d6  | D     | D2    | D3    | E   | F1   | f2 | G1  | G2  |
|------|---------|-----|-----|------|------|----|----------|-------|-----|-------|-------|-------|-----|------|----|-----|-----|
|      | d1      | E1  | E2  |      |      |    |          |       |     |       |       |       |     |      |    |     |     |
| 04   | 50k6    | 110 | 90  | 530  | 445  | 50 | 30 ± 1   | 80m6  | 150 | 80H7  | 85H7  | 85H7  | 170 | 517  | 20 | 482 | 140 |
| 05   | 60m6    | 140 | 110 | 595  | 505  | 55 | 30 ± 1   | 100m6 | 160 | 95H7  | 100H7 | 100H7 | 210 | 596  | 10 | 551 | 165 |
| 06   | 60m6    | 140 | 110 | 680  | 585  | 60 | 30 ± 1   | 110m6 | 160 | 105H7 | 110H7 | 110H7 | 210 | 635  | 10 | 590 | 165 |
| 07   | 75m6    | 140 | 110 | 725  | 620  | 60 | 36 ± 1   | 120m6 | 210 | 115H7 | 120H7 | 120H7 | 210 | 705  | 15 | 660 | 195 |
| 08   | 75m6    | 140 | 110 | 825  | 725  | 55 | 36 ± 1   | 130m6 | 210 | 125H7 | 130H7 | 130H7 | 250 | 745  | 15 | 700 | 195 |
| 09   | 85m6    | 170 | 135 | 860  | 740  | 70 | 48 ± 1.5 | 140m6 | 220 | 135H7 | 140H7 | 140H7 | 250 | 805  | 20 | 755 | 235 |
| 10   | 85m6    | 170 | 135 | 970  | 840  | 80 | 48 ± 1.5 | 160m6 | 220 | 150H7 | 150H7 | 150H7 | 300 | 865  | 20 | 815 | 235 |
| 11   | 95m6    | 170 | 135 | 1030 | 875  | 90 | 54 ± 1.5 | 170m6 | 250 | 165H7 | 165H7 | 165H7 | 300 | 1005 | 15 | 945 | 270 |
| 12   | 95m6    | 170 | 135 | 1165 | 1030 | 70 | 54 ± 1.5 | 180m6 | 250 | 180H7 | 180H7 | 180H7 | 300 | 1055 | 15 | 995 | 270 |

| Size | G3   | G4  | H   | H1  | h2  | h3  | h5  | h6  | K2  | N   | P1  | P2  | P3  | P6  | P7  | P9  | R   | R1  | R2  | S1   | Weight (kg) |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------------|
| 04   | 502  | 205 | 200 | 200 | 135 | 175 | 140 | 130 | 300 | 250 | 185 | 195 | 200 | 150 | 340 | 140 | 160 | 160 | 177 | 24H9 | 217         |
| 05   | 581  | 240 | 230 | 230 | 160 | 210 | 160 | 145 | 360 | 310 | 215 | 220 | 235 | 240 | 405 | 132 | 175 | 185 | 201 | 24H9 | 349         |
| 06   | 620  | 240 | 230 | 260 | 160 | 210 | 160 | 145 | 360 | 310 | 215 | 220 | 235 | 240 | 450 | 132 | 220 | 185 | 240 | 24H9 | 437         |
| 07   | 690  | 280 | 280 | 280 | 190 | 210 | 160 | 180 | 430 | 360 | 250 | 270 | 285 | 240 | 445 | 150 | 215 | 225 | 240 | 28H9 | 599         |
| 08   | 730  | 285 | 280 | 300 | 190 | 210 | 160 | 180 | 430 | 360 | 250 | 270 | 285 | 240 | 505 | 150 | 275 | 225 | 280 | 28H9 | 723         |
| 09   | 790  | 330 | 320 | 320 | 220 | 285 | 200 | 165 | 490 | 390 | 250 | 310 | 325 | 330 | 585 | 160 | 260 | 265 | 280 | 36H9 | 921         |
| 10   | 850  | 350 | 320 | 350 | 220 | 285 | 200 | 165 | 490 | 430 | 250 | 310 | 325 | 330 | 635 | 160 | 310 | 265 | 340 | 36H9 | 1158        |
| 11   | 980  | 400 | 380 | 380 | 265 | 285 | 200 | 140 | 600 | 450 | 330 | 370 | 385 | 330 | 620 | 161 | 295 | 320 | 340 | 40H9 | 1516        |
| 12   | 1030 | 405 | 380 | 410 | 265 | 285 | 200 | 140 | 600 | 490 | 330 | 370 | 385 | 330 | 705 | 161 | 380 | 320 | 390 | 40H9 | 1833        |

\*默认安装面为下表面,以上表面为安装面请在订货时注明。

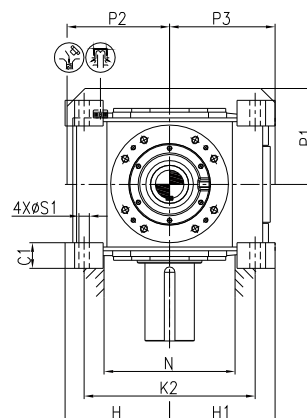
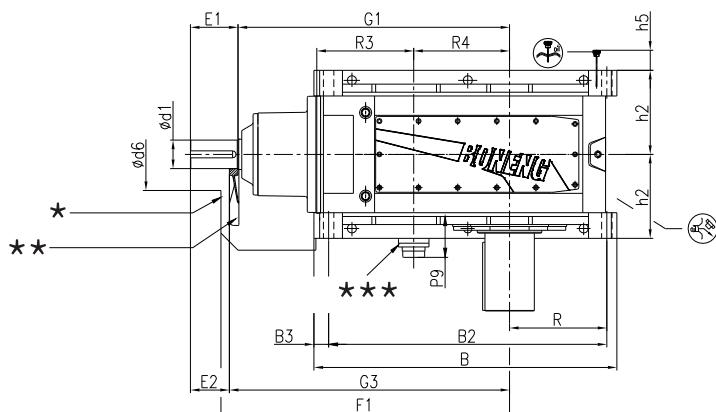
\*The general mounting is up position,if down mounting position, please mention in the order.



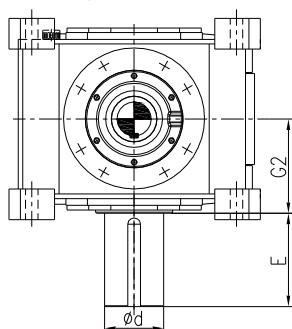
**B213V-B218V**

**B213V-B218V**

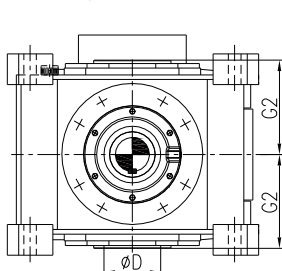
B2 (With forced lubrication)



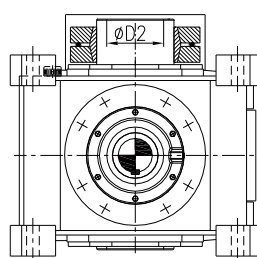
B2..VS  
Parallel key solid shaft



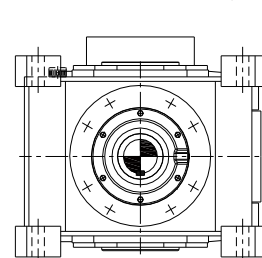
B2..VH  
Parallel key hollow shaft



B2..VD  
Hollow shaft with shrink disc



B2..VK  
Hollow shaft with involute spline



- ★ 风扇罩
- ★★ 冷却风扇 (附件代号UF21)
- ★★★ 轴端油泵 (附件代号US31)

- ★ Fan guard
- ★★ Cooling fan (Accessory code:UF21)
- ★★★ Pump (Accessory code:US31)

| Size | iN=6.3-14 |     |     | iN=7.1-14 |     |     | B    | B2   | B3 | C1    | d     | d6  | D     | D2    | D3    | E   | F1   | f2 | G1   |
|------|-----------|-----|-----|-----------|-----|-----|------|------|----|-------|-------|-----|-------|-------|-------|-----|------|----|------|
|      | d1        | E1  | E2  | d1        | E1  | E2  |      |      |    |       |       |     |       |       |       |     |      |    |      |
| 13   | 115m6     | 210 | 175 |           |     |     | 1205 | 1110 | 47 | 105±2 | 200m6 | 245 | 190H7 | 190H7 | 190H7 | 350 | 1175 | 35 | 1092 |
| 14   | 115m6     | 210 | 175 |           |     |     | 1345 | 1250 | 47 | 105±2 | 220m6 | 245 | 210H7 | 210H7 | 210H7 | 350 | 1245 | 35 | 1170 |
| 15   | 140m6     | 250 | 200 |           |     |     | 1430 | 1315 | 57 | 125±2 | 240m6 | 280 | 230H7 | 230H7 | 230H7 | 410 | 1385 | 32 | 1305 |
| 16   | 140m6     | 250 | 200 |           |     |     | 1520 | 1405 | 57 | 125±2 | 250m6 | 280 | 240H7 | 240H7 | 240H7 | 410 | 1430 | 32 | 1330 |
| 17   | 150m6     | 250 | 200 |           |     |     | 1595 | 1465 | 65 | 135±2 | 260m6 | 380 | 250H7 | 250H7 | 250H7 | 410 | 1520 | 42 | 1450 |
| 18   |           |     |     | 150m6     | 250 | 200 | 1715 | 1585 | 65 | 135±2 | 280m6 | 380 | 275H7 | 280H7 | 280H7 | 470 | 1580 | 42 | 1515 |

| Size | G2  | G3   | G4  | H   | H1  | h2    | h5  | K2  | N   | P1  | P2  | P3  | P9  | R   | R3  | R4  | S1 | Weight (kg) |
|------|-----|------|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-------------|
| 13   | 335 | 1127 | 480 | 440 | 430 | 325   | 210 | 720 | 550 | 375 | 430 | 450 | 200 | 395 | 370 | 392 | 48 | 2530        |
| 14   | 335 | 1205 | 480 | 440 | 445 | 325   | 210 | 740 | 570 | 375 | 430 | 450 | 200 | 465 | 370 | 470 | 48 | 2945        |
| 15   | 380 | 1355 | 550 | 500 | 500 | 380   | 230 | 820 | 590 | 435 | 490 | 495 | 200 | 467 | 442 | 470 | 55 | 4230        |
| 16   | 380 | 1380 | 550 | 500 | 535 | 380   | 230 | 860 | 650 | 435 | 490 | 495 | 200 | 512 | 442 | 495 | 55 | 4750        |
| 17   | 415 | 1500 | 600 | 550 | 555 | 437.5 | 250 | 900 | 690 | 505 | 540 | 555 | 200 | 512 | 490 | 505 | 55 | 5990        |
| 18   | 415 | 1565 | 600 | 550 | 560 | 437.5 | 250 | 900 | 710 | 505 | 540 | 555 | 200 | 572 | 490 | 570 | 55 | 6555        |

\*默认安装面为下表面, 以上表面为安装面请在订货时注明。

\*The general mounting is up position, if down mounting position, please mention in the order.

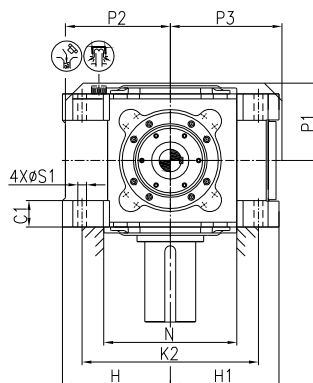
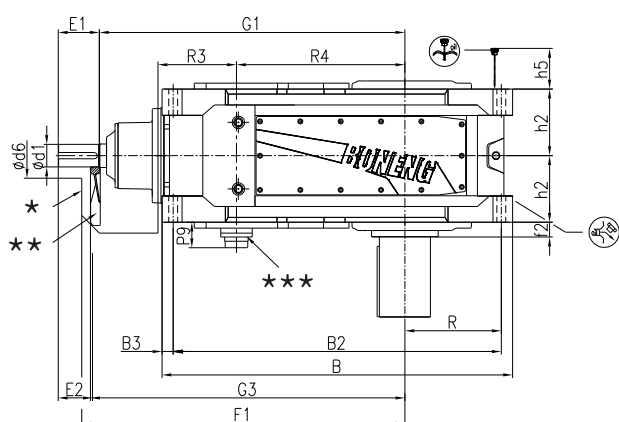




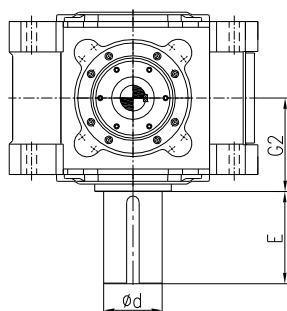
**B313V-B318V**

**B313V-B318V**

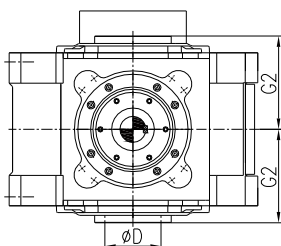
B3 (With forced lubrication)



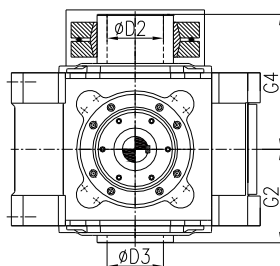
B3..VS  
Parallel key solid shaft



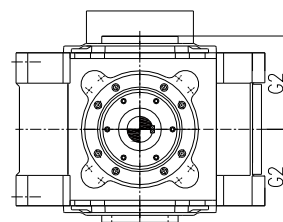
B3..VH  
Parallel key hollow shaft



B3..VD  
Hollow shaft with shrink disc



B3..VK  
Hollow shaft with involute spline



★ 风扇罩  
★★ 冷却风扇 (附件代号UF21)  
★★★ 轴端油泵 (附件代号US31)

★ Fan guard  
★★ Cooling fan (Accessory code:UF21)  
★★★ Pump (Accessory code:US31)

| Size | iN=16-56 |     |     | iN=16-63 |     |     | iN=63-80 |     |     | iN=71-90 |     |     | B    | B2   | B3 | C1    | d     | d6  | D     | D2    | D3    |
|------|----------|-----|-----|----------|-----|-----|----------|-----|-----|----------|-----|-----|------|------|----|-------|-------|-----|-------|-------|-------|
|      | d1       | E1  | E2  | d1       | E1  | E2  | d1       | E1  | E2  | d1       | E1  | E2  |      |      |    |       |       |     |       |       |       |
| 13   |          |     |     | 85m6     | 170 | 135 |          |     |     | 70m6     | 140 | 105 | 1365 | 1270 | 52 | 105±2 | 200m6 | 210 | 190H7 | 190H7 | 190H7 |
| 14   |          |     |     | 85m6     | 170 | 135 |          |     |     | 70m6     | 140 | 105 | 1505 | 1410 | 47 | 105±2 | 220m6 | 210 | 210H7 | 210H7 | 210H7 |
| 15   |          |     |     | 95m6     | 170 | 135 |          |     |     | 75m6     | 140 | 105 | 1630 | 1515 | 57 | 125±2 | 240m6 | 210 | 230H7 | 230H7 | 230H7 |
| 16   |          |     |     | 95m6     | 170 | 135 |          |     |     | 75m6     | 140 | 105 | 1720 | 1605 | 57 | 125±2 | 250m6 | 210 | 240H7 | 240H7 | 240H7 |
| 17   | 115m6    | 210 | 175 |          |     |     | 90m6     | 170 | 135 |          |     |     | 1790 | 1675 | 57 | 135±2 | 260n6 | 230 | 250H7 | 250H7 | 250H7 |
| 18   |          |     |     | 115m6    | 210 | 175 |          |     |     | 90m6     | 170 | 135 | 1910 | 1795 | 57 | 135±2 | 280n6 | 230 | 275H7 | 280H7 | 280H7 |

| Size | E   | F1   | f2 | G1   | G2  | G3   | G4  | H   | H1  | h2    | h5  | K2  | N   | P1  | P2  | P3  | P9  | R   | R3  | R4  | S1 | Weight (kg) |
|------|-----|------|----|------|-----|------|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-------------|
| 13   | 350 | 1165 | 35 | 1110 | 335 | 1145 | 480 | 440 | 435 | 272.5 | 210 | 720 | 550 | 325 | 425 | 435 | 170 | 395 | 265 | 635 | 48 | 2470        |
| 14   | 350 | 1235 | 35 | 1180 | 335 | 1215 | 480 | 440 | 500 | 272.5 | 210 | 740 | 570 | 325 | 425 | 435 | 170 | 465 | 265 | 705 | 48 | 3025        |
| 15   | 410 | 1420 | 32 | 1367 | 380 | 1402 | 550 | 500 | 500 | 310   | 230 | 820 | 640 | 365 | 485 | 520 | 170 | 467 | 320 | 762 | 55 | 3925        |
| 16   | 410 | 1470 | 32 | 1413 | 380 | 1448 | 550 | 500 | 535 | 310   | 230 | 860 | 650 | 365 | 485 | 520 | 170 | 512 | 320 | 808 | 55 | 4295        |
| 17   | 410 | 1620 | 42 | 1560 | 415 | 1595 | 600 | 550 | 555 | 340   | 250 | 900 | 690 | 395 | 535 | 570 | 170 | 492 | 370 | 860 | 55 | 5110        |
| 18   | 470 | 1680 | 42 | 1620 | 415 | 1655 | 600 | 550 | 560 | 340   | 250 | 900 | 710 | 395 | 535 | 570 | 170 | 552 | 370 | 920 | 55 | 5645        |

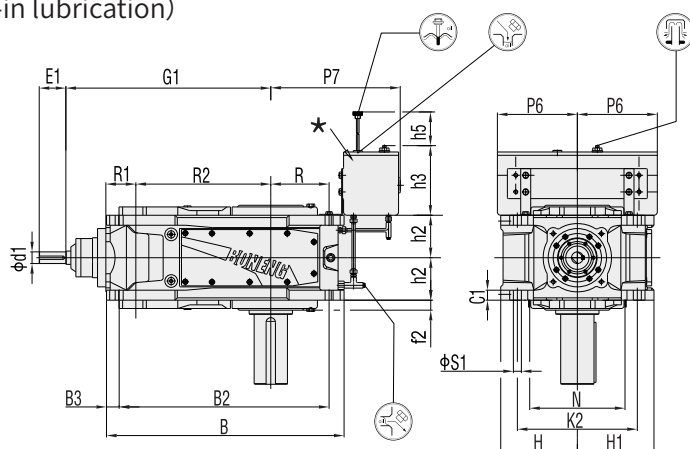
\*默认安装面为下表面, 以上表面为安装面请在订货时注明。

\*The general mounting is up position, if down mounting position, please mention in the order.

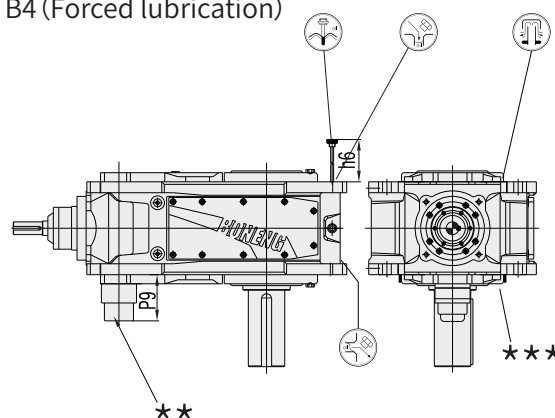
**B405V-B412V**

**B405V-B412V**

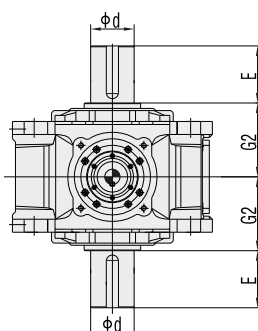
**B4 (Dip-in lubrication)**



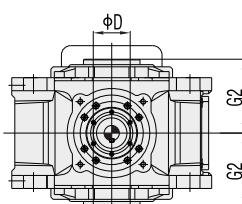
**B4 (Forced lubrication)**



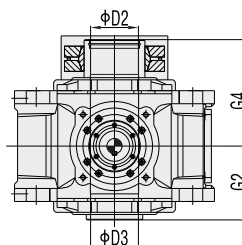
**B4..VS**  
Parallel key solid shaft



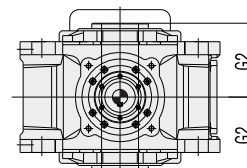
**B4..VH**  
Parallel key hollow shaft



**B4..VD**  
Hollow shaft with shrink disc



**B4..VK**  
Hollow shaft with involute spline



- ★ 补偿油箱(附件代号:US33)  
★★ 油泵(附件代号US31)  
★★★ 安装面

- ★ Compensation oil tank (Accessory code:US33)  
★★ Oil Pump(Accessory code:US31)  
★★★ Mounting position

| Size | iN ≤ 250 |     | iN ≤ 280 |     | iN ≥ 280 |    | iN ≥ 315 |    | B    | B2   | B3 | C1       | d     | D     | D2    | D3    | E   | f2 |
|------|----------|-----|----------|-----|----------|----|----------|----|------|------|----|----------|-------|-------|-------|-------|-----|----|
|      | d1       | E1  | d1       | E1  | d1       | E1 | d1       | E1 |      |      |    |          |       |       |       |       |     |    |
| 05   |          |     | 35k6     | 80  |          |    | 25k6     | 50 | 713  | 630  | 38 | 30 ± 1   | 100m6 | 95H7  | 100H7 | 100H7 | 210 | 30 |
| 06   |          |     | 35k6     | 80  |          |    | 25k6     | 50 | 793  | 710  | 38 | 30 ± 1   | 110m6 | 105H7 | 110H7 | 110H7 | 210 | 30 |
| 07   |          |     | 35k6     | 80  |          |    | 30k6     | 60 | 876  | 775  | 46 | 36 ± 1   | 120m6 | 115H7 | 120H7 | 120H7 | 210 | 35 |
| 08   |          |     | 35k6     | 80  |          |    | 30k6     | 60 | 981  | 880  | 46 | 36 ± 1   | 130m6 | 125H7 | 130H7 | 130H7 | 250 | 35 |
| 09   | 45k6     | 110 |          |     | 35k6     | 80 |          |    | 1033 | 920  | 51 | 45 ± 1.5 | 140m6 | 135H7 | 140H7 | 140H7 | 250 | 35 |
| 10   | 45k6     | 110 |          |     | 35k6     | 80 |          |    | 1131 | 1020 | 51 | 45 ± 1.5 | 160m6 | 150H7 | 150H7 | 150H7 | 300 | 35 |
| 11   |          |     | 50k6     | 110 |          |    | 40k6     | 80 | 1227 | 1100 | 63 | 54 ± 1.5 | 170m6 | 165H7 | 165H7 | 165H7 | 300 | 42 |
| 12   |          |     | 50k6     | 110 |          |    | 40k6     | 80 | 1382 | 1255 | 63 | 54 ± 1.5 | 180m6 | 180H7 | 180H7 | 180H7 | 300 | 42 |

| Size | G1   | G2  | G4  | H   | H1  | h2    | h3  | h5  | h6  | K2  | N   | P6  | P7  | P9  | R   | R1  | R2  | S1   | Weight (kg) |
|------|------|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------------|
| 05   | 615  | 165 | 240 | 230 | 230 | 127.5 | 210 | 160 | 105 | 360 | 310 | 240 | 405 | 120 | 175 | 90  | 405 | 24H9 | 337         |
| 06   | 650  | 165 | 240 | 230 | 260 | 127.5 | 210 | 160 | 105 | 360 | 310 | 240 | 450 | 120 | 220 | 90  | 440 | 24H9 | 416         |
| 07   | 725  | 195 | 280 | 280 | 280 | 150   | 210 | 160 | 120 | 430 | 360 | 240 | 445 | 102 | 215 | 110 | 495 | 28H9 | 573         |
| 08   | 770  | 195 | 285 | 280 | 300 | 150   | 210 | 160 | 120 | 430 | 360 | 240 | 505 | 102 | 275 | 110 | 540 | 28H9 | 677         |
| 09   | 840  | 235 | 330 | 320 | 320 | 185   | 285 | 200 | 155 | 490 | 420 | 330 | 585 | 125 | 260 | 130 | 580 | 36H9 | 925         |
| 10   | 890  | 235 | 350 | 320 | 350 | 185   | 285 | 200 | 155 | 490 | 430 | 330 | 635 | 125 | 310 | 130 | 630 | 36H9 | 1139        |
| 11   | 1010 | 270 | 400 | 380 | 380 | 215   | 285 | 200 | 150 | 600 | 510 | 330 | 620 | 140 | 295 | 160 | 705 | 40H9 | 1514        |
| 12   | 1080 | 270 | 405 | 380 | 410 | 215   | 285 | 200 | 150 | 600 | 510 | 330 | 705 | 140 | 380 | 160 | 775 | 40H9 | 1775        |

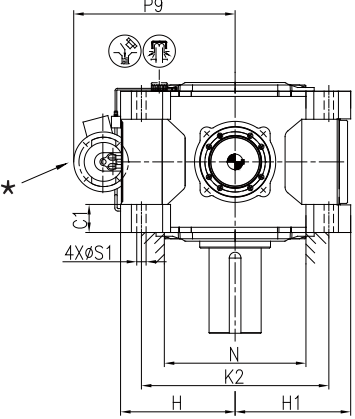
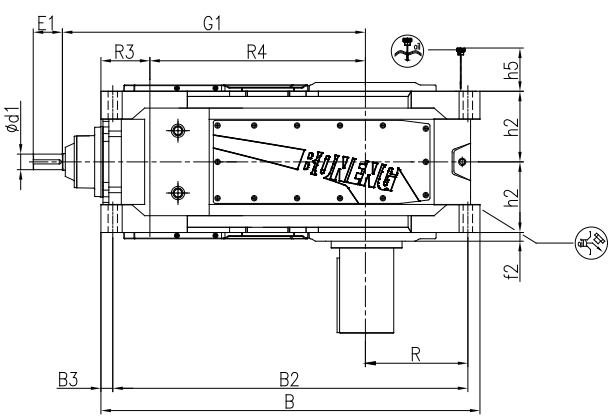
\*默认安装面为下表面,以上表面为安装面请在订货时注明。

\*The general mounting is up position,if down mounting position, please mention in the order.

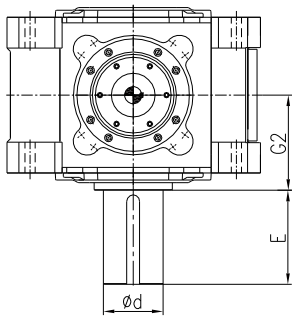
**B413V-B418V**

**B413V-B418V**

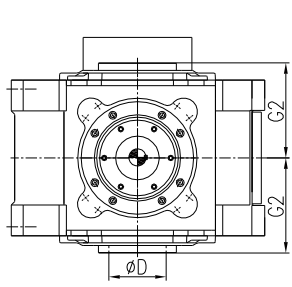
B4 (Forced lubrication)



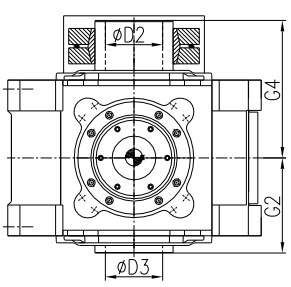
B4..VS  
Parallel key solid shaft



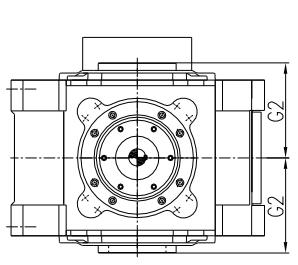
B4..VH  
Parallel key hollow shaft



B4..VD  
Hollow shaft with shrink disc



B4..VK  
Hollow shaft with involute spline



★ 电机油泵 (附件代号US32)

★ Motor Pump(Accessory code:US32)

| Size | iN=90-250 |     | iN=100-280 |     | iN=280-355 |     | iN=315-400 |     | B    | B2   | B3 | C1    | d     | D     | D2    | D3    |
|------|-----------|-----|------------|-----|------------|-----|------------|-----|------|------|----|-------|-------|-------|-------|-------|
|      | d1        | E1  | d1         | E1  | d1         | E1  | d1         | E1  |      |      |    |       |       |       |       |       |
| 13   |           |     | 60m6       | 140 |            |     | 50k6       | 110 | 1470 | 1375 | 47 | 105±2 | 200m6 | 190H7 | 190H7 | 190H7 |
| 14   |           |     | 60m6       | 140 |            |     | 50k6       | 110 | 1610 | 1515 | 48 | 105±2 | 220m6 | 210H7 | 210H7 | 210H7 |
| 15   |           |     | 75m6       | 140 |            |     | 60m6       | 140 | 1760 | 1655 | 51 | 125±2 | 240m6 | 230H7 | 230H7 | 230H7 |
| 16   |           |     | 75m6       | 140 |            |     | 60m6       | 140 | 1850 | 1735 | 57 | 125±2 | 250m6 | 240H7 | 240H7 | 240H7 |
| 17   | 75m6      | 140 |            |     | 60m6       | 140 |            |     | 1820 | 1705 | 57 | 135±2 | 260n6 | 250H7 | 250H7 | 250H7 |
| 18   |           |     | 75m6       | 140 |            |     | 60m6       | 140 | 1940 | 1825 | 57 | 135±2 | 280n6 | 275H7 | 280H7 | 280H7 |

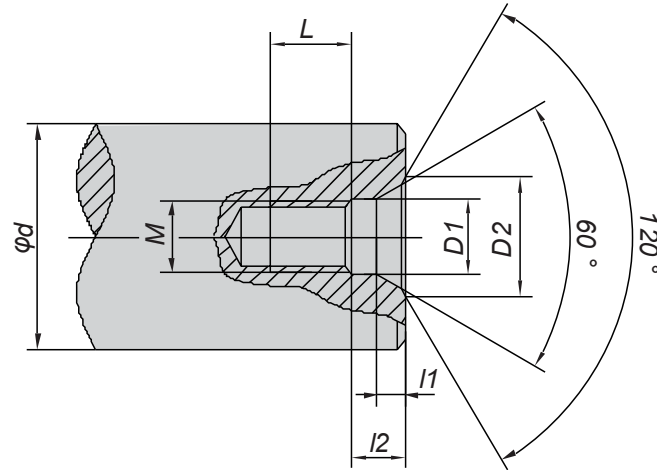
| Size | E   | f2 | G1   | G2  | G4  | H   | H1  | h2    | h5  | K2  | N   | P9  | R   | R4   | S1 | Weight (kg) |
|------|-----|----|------|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|------|----|-------------|
| 13   | 350 | 35 | 1170 | 335 | 480 | 440 | 435 | 272.5 | 210 | 720 | 570 | 670 | 395 | 820  | 48 | 2455        |
| 14   | 350 | 35 | 1240 | 335 | 480 | 440 | 500 | 272.5 | 210 | 740 | 570 | 670 | 465 | 890  | 48 | 3000        |
| 15   | 410 | 32 | 1407 | 380 | 550 | 500 | 500 | 310   | 230 | 820 | 710 | 710 | 470 | 987  | 55 | 3805        |
| 16   | 410 | 32 | 1453 | 380 | 550 | 500 | 535 | 310   | 230 | 860 | 710 | 710 | 512 | 1033 | 55 | 4315        |
| 17   | 410 | 42 | 1455 | 415 | 600 | 550 | 555 | 340   | 250 | 900 | 790 | 775 | 492 | 1035 | 55 | 4810        |
| 18   | 470 | 42 | 1515 | 415 | 600 | 550 | 560 | 340   | 250 | 900 | 790 | 775 | 552 | 1095 | 55 | 5340        |

\*默认安装面为下表面, 以上表面为安装面请在订货时注明。

\*The general mounting is up position, if down mounting position, please mention in the order.

# 12 轴端中心孔

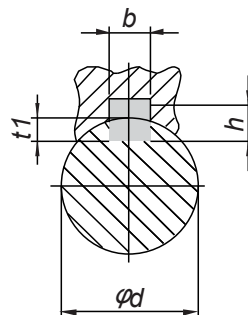
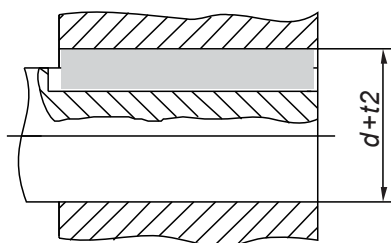
# 12 Shaft end central hole



| d                  | M   | L  | 12  | 11  | D1   | D2   |
|--------------------|-----|----|-----|-----|------|------|
| $7 < d \leq 10$    | M3  | 10 | 2.6 | 1.8 | 3.2  | 5.8  |
| $10 < d \leq 13$   | M4  | 10 | 3.2 | 2.1 | 4.3  | 7.4  |
| $13 < d \leq 16$   | M5  | 10 | 4   | 2.4 | 5.3  | 8.8  |
| $16 < d \leq 21$   | M6  | 12 | 5   | 2.8 | 6.4  | 10.5 |
| $21 < d \leq 24$   | M8  | 12 | 6   | 3.3 | 8.4  | 13.2 |
| $24 < d \leq 30$   | M10 | 15 | 7.5 | 3.8 | 10.5 | 16.3 |
| $30 < d \leq 38$   | M12 | 20 | 9.5 | 4.4 | 13   | 19.8 |
| $38 < d \leq 50$   | M16 | 25 | 12  | 5.2 | 17   | 25.3 |
| $50 < d \leq 85$   | M20 | 30 | 15  | 6.4 | 21   | 31.3 |
| $85 < d \leq 130$  | M24 | 35 | 18  | 8   | 26   | 38   |
| $130 < d \leq 225$ | M30 | 45 | 18  | 11  | 31   | 48   |
| $225 < d \leq 320$ | M36 | 55 | 22  | 15  | 37   | 60   |
| $320 < d \leq 500$ | M42 | 60 | 26  | 19  | 43   | 71   |
| $500 < d \leq 710$ | M48 | 65 | 30  | 23  | 49   | 83   |

### 13 平键与键槽的尺寸

### 13 Dimension of parallel key and keyway



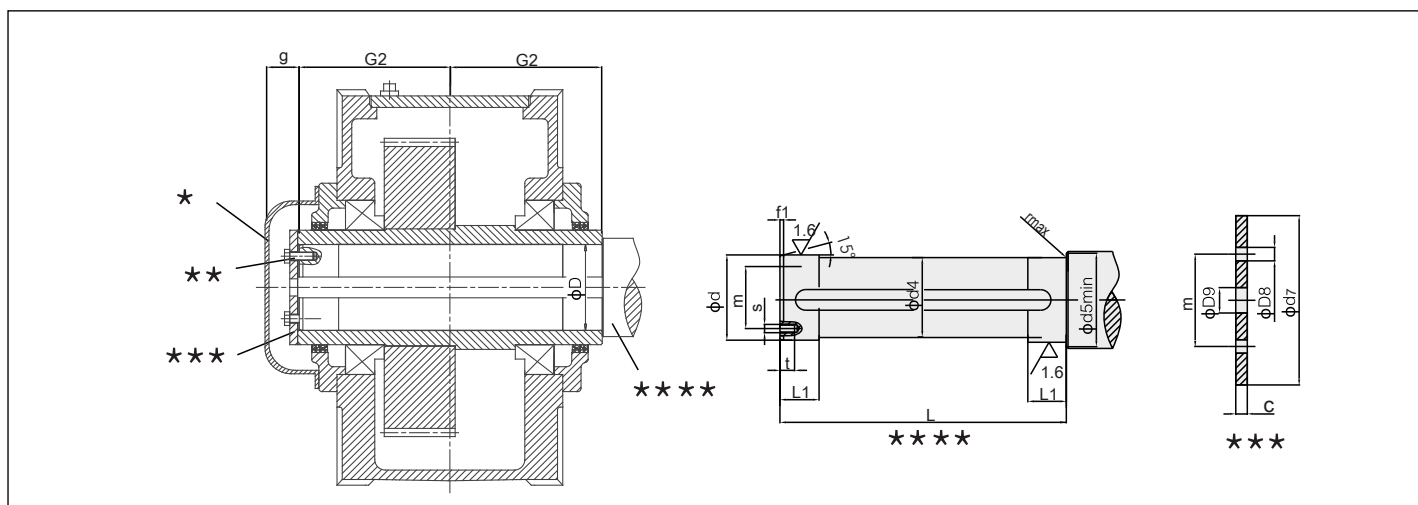
| d             | b   | h  | t <sub>1</sub> | d + t <sub>2</sub> |
|---------------|-----|----|----------------|--------------------|
| 8 < d ≤ 10    | 3   | 3  | 1.8            | d + 1.4            |
| 10 < d ≤ 12   | 4   | 4  | 2.5            | d + 1.8            |
| 12 < d ≤ 17   | 5   | 5  | 3              | d + 2.3            |
| 17 < d ≤ 22   | 6   | 6  | 3.5            | d + 2.8            |
| 22 < d ≤ 30   | 8   | 7  | 4              | d + 3.3            |
| 30 < d ≤ 38   | 10  | 8  | 5              | d + 3.3            |
| 38 < d ≤ 44   | 12  | 8  | 5              | d + 3.3            |
| 44 < d ≤ 50   | 14  | 9  | 5.5            | d + 3.8            |
| 50 < d ≤ 58   | 16  | 10 | 6              | d + 4.3            |
| 58 < d ≤ 65   | 18  | 11 | 7              | d + 4.4            |
| 65 < d ≤ 75   | 20  | 12 | 7.5            | d + 4.9            |
| 75 < d ≤ 85   | 22  | 14 | 9              | d + 5.4            |
| 85 < d ≤ 95   | 25  | 14 | 9              | d + 5.4            |
| 95 < d ≤ 110  | 28  | 16 | 10             | d + 6.4            |
| 110 < d ≤ 130 | 32  | 18 | 11             | d + 7.4            |
| 130 < d ≤ 150 | 36  | 20 | 12             | d + 8.4            |
| 150 < d ≤ 170 | 40  | 22 | 13             | d + 9.4            |
| 170 < d ≤ 200 | 45  | 25 | 15             | d + 10.4           |
| 200 < d ≤ 230 | 50  | 28 | 17             | d + 11.4           |
| 230 < d ≤ 260 | 56  | 32 | 20             | d + 12.4           |
| 260 < d ≤ 290 | 63  | 32 | 20             | d + 12.4           |
| 290 < d ≤ 330 | 70  | 36 | 22             | d + 14.4           |
| 330 < d ≤ 380 | 80  | 40 | 25             | d + 15.4           |
| 380 < d ≤ 440 | 90  | 45 | 28             | d + 17.4           |
| 440 < d ≤ 500 | 100 | 50 | 31             | d + 19.5           |
| 500 < d ≤ 560 | 110 | 56 | 34.3           | d + 22.2           |
| 560 < d ≤ 640 | 120 | 63 | 39             | d + 24.5           |

# 14建议输出联结尺寸图表

## 14.1 带平键联接的空心轴 尺寸图表

# 14Suggested output connection dimensions

## 14.1 Hollow shaft with parallel key connection

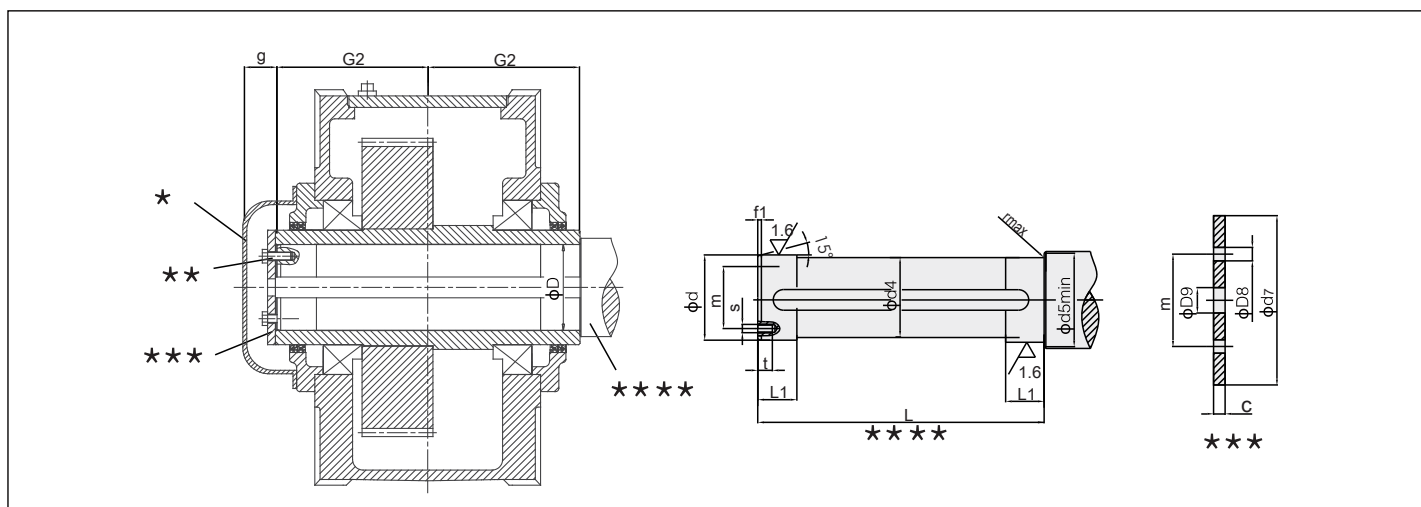


★ 防护罩  
★★ 螺栓  
\*\*\* 端板  
\*\*\*\* 输出轴

★ Protection cover  
★★ Bolts  
\*\*\* End plate  
\*\*\*\* Output shaft

Type H2...H,H3...H,H4...H,B3...H,B4...H(Size 04-18)

| 机座号<br>Size | 被驱动设备的<br>驱动轴 Driven<br>equipment shaft |       |     |    |     |     |     |     |    | 端板 End plate |      |    |     |     | 螺栓 Bolt  |      | 空心<br>轴 Hollow<br>shaft |     |      |
|-------------|-----------------------------------------|-------|-----|----|-----|-----|-----|-----|----|--------------|------|----|-----|-----|----------|------|-------------------------|-----|------|
|             | d                                       | d4    | d5  | f1 | L   | L1  | r   | s   | t  | c            | D8   | D9 | d7  | m   | Size     | Qty. | D                       | G2  | g    |
| 04          | 80h6                                    | 79.5  | 88  | 4  | 278 | 35  | 1.2 | M10 | 18 | 10           | 11   | 22 | 100 | 60  | M10 × 25 | 2    | 80H7                    | 140 | 30.5 |
| 05          | 95h6                                    | 94.5  | 105 | 5  | 328 | 40  | 1.6 | M10 | 18 | 10           | 11   | 26 | 120 | 70  | M10 × 25 | 2    | 95H7                    | 165 | 30.5 |
| 06          | 105h6                                   | 104.5 | 116 | 5  | 328 | 45  | 1.6 | M10 | 18 | 10           | 11   | 26 | 120 | 70  | M10 × 25 | 2    | 105H7                   | 165 | 30.5 |
| 07          | 115h6                                   | 114.5 | 126 | 5  | 388 | 50  | 1.6 | M12 | 20 | 12           | 13.5 | 26 | 140 | 80  | M12 × 30 | 2    | 115H7                   | 195 | 37   |
| 08          | 125h6                                   | 124.5 | 136 | 6  | 388 | 55  | 2.5 | M12 | 20 | 12           | 13.5 | 26 | 150 | 85  | M12 × 30 | 2    | 125H7                   | 195 | 37   |
| 09          | 135h6                                   | 134.5 | 147 | 6  | 467 | 60  | 2.5 | M12 | 20 | 12           | 13.5 | 33 | 160 | 90  | M12 × 30 | 2    | 135H7                   | 235 | 32   |
| 10          | 150h6                                   | 149.5 | 162 | 6  | 467 | 65  | 2.5 | M12 | 20 | 12           | 13.5 | 33 | 185 | 110 | M12 × 30 | 2    | 150H7                   | 235 | 37   |
| 11          | 165h6                                   | 164.5 | 177 | 7  | 537 | 70  | 2.5 | M16 | 28 | 15           | 17.5 | 33 | 195 | 120 | M16 × 40 | 2    | 165H7                   | 270 | 40   |
| 12          | 180h6                                   | 179.5 | 192 | 7  | 537 | 75  | 2.5 | M16 | 28 | 15           | 17.5 | 33 | 220 | 130 | M16 × 40 | 2    | 180H7                   | 270 | 50   |
| 13          | 190h6                                   | 189.5 | 206 | 7  | 667 | 80  | 3   | M16 | 28 | 18           | 17.5 | 33 | 230 | 140 | M16 × 40 | 2    | 190H7                   | 335 | 42.5 |
| 14          | 210h6                                   | 209.5 | 226 | 8  | 667 | 85  | 3   | M16 | 28 | 18           | 17.5 | 33 | 250 | 160 | M16 × 40 | 2    | 210H7                   | 335 | 42.5 |
| 15          | 230h6                                   | 229.5 | 248 | 8  | 756 | 100 | 3   | M20 | 38 | 25           | 22   | 39 | 270 | 180 | M20 × 55 | 4    | 230H7                   | 380 | 57   |
| 16          | 240h6                                   | 239.5 | 258 | 8  | 756 | 100 | 3   | M20 | 38 | 25           | 22   | 39 | 280 | 180 | M20 × 55 | 4    | 240H7                   | 380 | 57   |
| 17          | 250h6                                   | 249.5 | 270 | 8  | 826 | 110 | 4   | M20 | 38 | 25           | 22   | 39 | 300 | 190 | M20 × 55 | 4    | 250H7                   | 415 | 57   |
| 18          | 275h6                                   | 274.5 | 295 | 9  | 826 | 120 | 4   | M20 | 38 | 25           | 22   | 39 | 330 | 210 | M20 × 55 | 4    | 275H7                   | 415 | 57   |



★ 防护罩  
★★ 螺栓  
\*\*\* 端板  
\*\*\*\* 输出轴

★ Protection cover  
★★ Bolts  
\*\*\* End plate  
\*\*\*\* Output shaft

## Type B2...H(Size 04-18)

| 机座号<br>Size | 被驱动设备的驱动轴 |       |     |    |     |     | Driven equipment shaft |     |    | 端板 End plate |      |    |     |     | 螺栓 Bolt  |      | 空心轴 Hollow shaft |     |    |
|-------------|-----------|-------|-----|----|-----|-----|------------------------|-----|----|--------------|------|----|-----|-----|----------|------|------------------|-----|----|
|             | d         | d4    | d5  | f1 | L   | L1  | r                      | s   | t  | c            | D8   | D9 | d7  | m   | Size     | Qty. | D                | G2  | g  |
| 04          | 80h6      | 79.5  | 88  | 4  | 278 | 35  | 1.2                    | M10 | 18 | 10           | 11   | 22 | 100 | 60  | M10 × 25 | 2    | 80H7             | 140 | 38 |
| 05          | 95h6      | 94.5  | 105 | 5  | 328 | 40  | 1.6                    | M10 | 18 | 10           | 11   | 26 | 120 | 70  | M10 × 25 | 2    | 95H7             | 165 | 43 |
| 06          | 105h6     | 104.5 | 116 | 5  | 328 | 45  | 1.6                    | M10 | 18 | 10           | 11   | 26 | 120 | 70  | M10 × 25 | 2    | 105H7            | 165 | 43 |
| 07          | 115h6     | 114.5 | 126 | 5  | 388 | 50  | 1.6                    | M12 | 20 | 12           | 13.5 | 26 | 140 | 80  | M12 × 30 | 2    | 115H7            | 195 | 52 |
| 08          | 125h6     | 124.5 | 136 | 6  | 388 | 55  | 2.5                    | M12 | 20 | 12           | 13.5 | 26 | 150 | 85  | M12 × 30 | 2    | 125H7            | 195 | 52 |
| 09          | 135h6     | 134.5 | 147 | 6  | 467 | 60  | 2.5                    | M12 | 20 | 12           | 13.5 | 33 | 160 | 90  | M12 × 30 | 2    | 135H7            | 235 | 52 |
| 10          | 150h6     | 149.5 | 162 | 6  | 467 | 65  | 2.5                    | M12 | 20 | 12           | 13.5 | 33 | 185 | 110 | M12 × 30 | 2    | 150H7            | 235 | 57 |
| 11          | 165h6     | 164.5 | 177 | 7  | 537 | 70  | 2.5                    | M16 | 28 | 15           | 17.5 | 33 | 195 | 120 | M16 × 40 | 2    | 165H7            | 270 | 55 |
| 12          | 180h6     | 179.5 | 192 | 7  | 537 | 75  | 2.5                    | M16 | 28 | 15           | 17.5 | 33 | 220 | 130 | M16 × 40 | 2    | 180H7            | 270 | 65 |
| 13          | 190h6     | 189.5 | 206 | 7  | 667 | 80  | 3                      | M16 | 28 | 18           | 17.5 | 33 | 230 | 140 | M16 × 40 | 2    | 190H7            | 335 | 65 |
| 14          | 210h6     | 209.5 | 226 | 8  | 667 | 85  | 3                      | M16 | 28 | 18           | 17.5 | 33 | 250 | 160 | M16 × 40 | 2    | 210H7            | 335 | 65 |
| 15          | 230h6     | 229.5 | 248 | 8  | 756 | 100 | 3                      | M20 | 38 | 25           | 22   | 39 | 270 | 180 | M20 × 55 | 4    | 230H7            | 380 | 92 |
| 16          | 240h6     | 239.5 | 258 | 8  | 756 | 100 | 3                      | M20 | 38 | 25           | 22   | 39 | 280 | 180 | M20 × 55 | 4    | 240H7            | 380 | 92 |
| 17          | 250h6     | 249.5 | 270 | 8  | 826 | 110 | 4                      | M20 | 38 | 25           | 22   | 39 | 300 | 190 | M20 × 55 | 4    | 250H7            | 415 | 97 |
| 18          | 275h6     | 274.5 | 295 | 9  | 826 | 120 | 4                      | M20 | 38 | 25           | 22   | 39 | 330 | 210 | M20 × 55 | 4    | 275H7            | 415 | 97 |

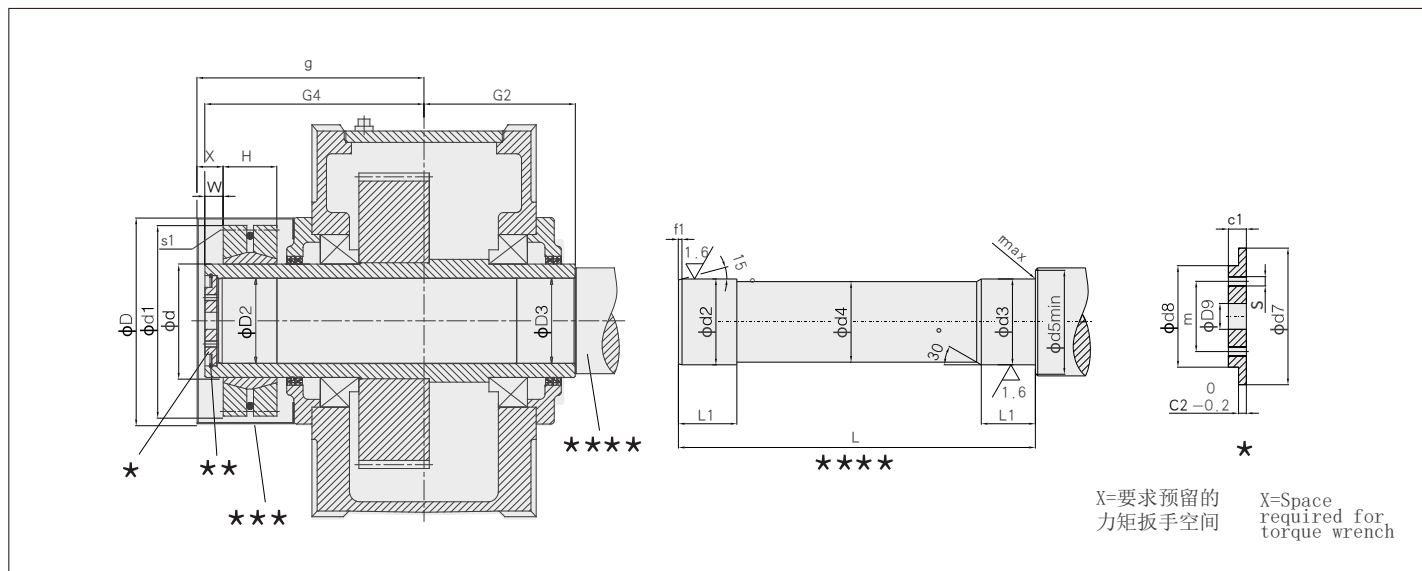
注：1.被驱动设备的驱动轴材质：40Cr或强度更高的钢。  
2.被驱动设备的驱动轴不在我们的供货范围之内。如果需要的话，请另订货。  
3.锁紧盘、防护罩、端板及弹性挡圈均为带锁紧盘联接空心轴的标准配制。

Note: 1.Material of driven equipment shaft: 40Cr or steel with higher strength.  
2.Driven equipment shaft is not in scope of supply, please order if required.  
3.Shrink disc, protection cover, end plate and circlip are supplied with gearbox as standard.



# 14.2 带锁紧盘联接 的空心轴尺寸图表

# 14.2 Hollow shaft for shrink Disks

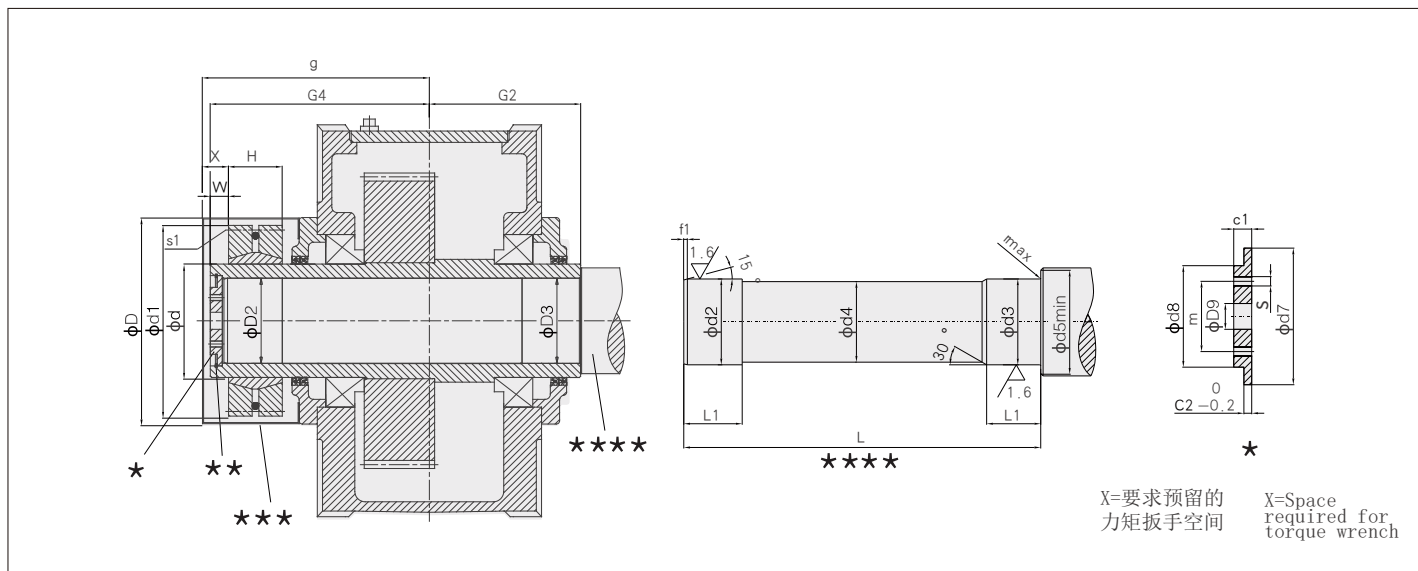


\* 端板  
\*\* 弹性挡圈  
\*\*\* 防护罩  
\*\*\*\* 输出轴

\* End plate  
\*\* Circlip  
\*\*\* Protection cover  
\*\*\*\* Output shaft

Type H2...D,H3...D,H4...D,B3...D,B4...D(Size 04-18)

| 机座号<br>Size | 被驱动设备的驱动轴<br>Driven equipment shaft |       |       |     |    |     |     |   |    | 端板<br>End plate |     |     |    |     |     |            |     | 弹性挡圈<br>Circlip | 空心轴<br>Hollow shaft |     |     |         | 锁紧盘<br>Shrink disc |     |     |    |     | Bolt | Protection cover |   |
|-------------|-------------------------------------|-------|-------|-----|----|-----|-----|---|----|-----------------|-----|-----|----|-----|-----|------------|-----|-----------------|---------------------|-----|-----|---------|--------------------|-----|-----|----|-----|------|------------------|---|
|             | d2                                  | d3    | d4    | d5  | f1 | L   | L1  | r | c1 | c2              | d7  | d8  | d9 | m   | s   | Num<br>ber | D2  |                 | D3                  | G2  | G4  | Type    | d                  | d1  | H   | W  | s1  |      | D                | g |
| 04          | 85g6                                | 85h6  | 84.5  | 95  | 4  | 326 | 48  | 2 | 17 | 7               | 90  | 70  | 22 | 50  | M8  | 2          | 90  | 85H7            | 85H7                | 140 | 205 | SP2-110 | 110                | 185 | 49  | 15 | M12 | 212  | 226              |   |
| 05          | 100g6                               | 100h6 | 99.5  | 114 | 5  | 383 | 53  | 2 | 20 | 8               | 105 | 80  | 26 | 55  | M10 | 2          | 105 | 100H7           | 100H7               | 165 | 240 | SP2-125 | 125                | 215 | 53  | 17 | M12 | 252  | 266              |   |
| 06          | 110g6                               | 110h6 | 109.5 | 124 | 5  | 383 | 58  | 3 | 20 | 8               | 115 | 85  | 26 | 60  | M10 | 2          | 115 | 110H7           | 110H7               | 165 | 240 | SP2-140 | 140                | 230 | 58  | 17 | M12 | 252  | 266              |   |
| 07          | 120g6                               | 120h6 | 119.5 | 134 | 5  | 453 | 68  | 3 | 20 | 8               | 125 | 90  | 26 | 65  | M12 | 2          | 125 | 120H7           | 120H7               | 195 | 280 | SP2-155 | 155                | 263 | 62  | 23 | M12 | 322  | 322              |   |
| 08          | 130g6                               | 130h6 | 129.5 | 145 | 6  | 458 | 73  | 3 | 20 | 8               | 135 | 100 | 26 | 70  | M12 | 2          | 135 | 130H7           | 130H7               | 195 | 285 | SP2-165 | 165                | 290 | 68  | 23 | M16 | 322  | 322              |   |
| 09          | 140g6                               | 140h6 | 139.5 | 160 | 6  | 539 | 82  | 4 | 23 | 10              | 150 | 110 | 33 | 80  | M12 | 2          | 150 | 140H7           | 140H7               | 235 | 330 | SP2-175 | 175                | 300 | 68  | 28 | M16 | 322  | 357              |   |
| 10          | 150g6                               | 150h6 | 149.5 | 170 | 6  | 559 | 92  | 4 | 23 | 10              | 160 | 120 | 33 | 90  | M12 | 2          | 160 | 150H7           | 150H7               | 235 | 350 | SP2-185 | 185                | 330 | 85  | 28 | M16 | 392  | 392              |   |
| 11          | 165f6                               | 165g6 | 164.5 | 185 | 7  | 644 | 112 | 4 | 23 | 10              | 175 | 130 | 33 | 90  | M12 | 2          | 175 | 165H7           | 165H7               | 270 | 400 | SP2-220 | 220                | 370 | 103 | 30 | M16 | 392  | 430              |   |
| 12          | 180f6                               | 180g6 | 179.5 | 200 | 7  | 649 | 122 | 4 | 23 | 10              | 190 | 140 | 33 | 100 | M16 | 2          | 190 | 180H7           | 180H7               | 270 | 405 | SP2-240 | 240                | 405 | 107 | 30 | M20 | 483  | 450              |   |
| 13          | 190f6                               | 190g6 | 189.5 | 213 | 7  | 789 | 137 | 5 | 23 | 10              | 200 | 150 | 33 | 110 | M16 | 2          | 200 | 190H7           | 190                 | 335 | 480 | SP2-260 | 260                | 430 | 119 | 30 | M20 | 480  | 510.5            |   |
| 14          | 210f6                               | 210g6 | 209.5 | 233 | 8  | 784 | 147 | 5 | 28 | 14              | 220 | 170 | 33 | 130 | M16 | 2          | 220 | 210H7           | 210                 | 335 | 480 | SP2-280 | 280                | 460 | 132 | 30 | M20 | 480  | 510.5            |   |
| 15          | 230f6                               | 230g6 | 229.5 | 253 | 8  | 899 | 157 | 5 | 28 | 14              | 240 | 180 | 39 | 140 | M16 | 2          | 240 | 230H7           | 230                 | 380 | 550 | SP2-300 | 300                | 485 | 140 | 35 | M20 | 540  | 590              |   |
| 16          | 240f6                               | 240g6 | 239.5 | 263 | 8  | 899 | 157 | 5 | 28 | 14              | 250 | 190 | 39 | 150 | M20 | 2          | 250 | 240H7           | 240                 | 380 | 550 | SP2-320 | 320                | 520 | 140 | 35 | M20 | 540  | 590              |   |
| 17          | 250f6                               | 250g6 | 249.5 | 278 | 8  | 982 | 177 | 5 | 30 | 14              | 265 | 200 | 39 | 150 | M20 | 2          | 265 | 250H7           | 250                 | 415 | 600 | SP2-340 | 340                | 570 | 155 | 35 | M20 | 620  | 640              |   |
| 18          | 280f6                               | 280g6 | 279.5 | 306 | 9  | 982 | 177 | 5 | 30 | 14              | 290 | 210 | 39 | 160 | M20 | 2          | 290 | 280H7           | 280                 | 415 | 600 | SP2-360 | 360                | 590 | 162 | 35 | M24 | 620  | 640              |   |



★ 端板  
★★ 弹性挡圈  
★★★ 防护罩  
★★★★ 输出轴

★ End plate  
★★ Circlip  
★★★ Protection cover  
★★★★ Output shaft

## Type B2...D(Size 04-18)

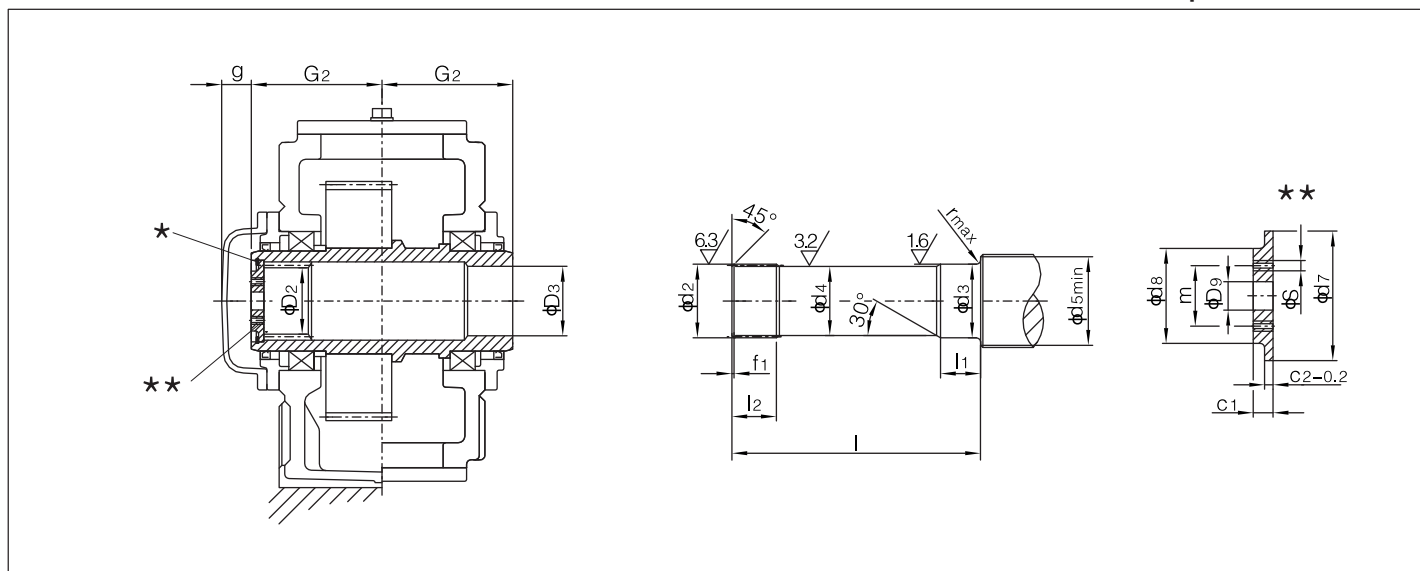
| 机座号<br>Size | 被驱动设备的驱动轴<br>Driven equipment shaft |       |       |     |    |     |     |   |    | 端板<br>End plate |     |     |    |     |     |            |     | 弹性<br>挡圈<br>Circlip | 空心轴<br>Hollow shaft |     |     |         | 锁紧盘 |     | 锁紧盘 |    | Shrink disc |     | Bolt | Protection cover |  |
|-------------|-------------------------------------|-------|-------|-----|----|-----|-----|---|----|-----------------|-----|-----|----|-----|-----|------------|-----|---------------------|---------------------|-----|-----|---------|-----|-----|-----|----|-------------|-----|------|------------------|--|
|             | d2                                  | d3    | d4    | d5  | f1 | L   | L1  | r | c1 | c2              | d7  | d8  | d9 | m   | s   | Num<br>ber | D2  |                     | D3                  | G2  | G4  | Type    | d   | d1  | H   | W  | s1          | D   |      | g                |  |
| 04          | 85g6                                | 85h6  | 84.5  | 95  | 4  | 326 | 48  | 2 | 17 | 7               | 90  | 70  | 22 | 50  | M8  | 2          | 90  | 85H7                | 85H7                | 140 | 205 | SP2-110 | 110 | 185 | 49  | 15 | M12         | 212 | 233  |                  |  |
| 05          | 100g6                               | 100h6 | 99.5  | 114 | 5  | 383 | 53  | 2 | 20 | 8               | 105 | 80  | 26 | 55  | M10 | 2          | 105 | 100H7               | 100H7               | 165 | 240 | SP2-125 | 125 | 215 | 53  | 17 | M12         | 252 | 278  |                  |  |
| 06          | 110g6                               | 110h6 | 109.5 | 124 | 5  | 383 | 58  | 3 | 20 | 8               | 115 | 85  | 26 | 60  | M10 | 2          | 115 | 110H7               | 110H7               | 165 | 240 | SP2-140 | 140 | 230 | 58  | 17 | M12         | 252 | 278  |                  |  |
| 07          | 120g6                               | 120h6 | 119.5 | 134 | 5  | 453 | 68  | 3 | 20 | 8               | 125 | 90  | 26 | 65  | M12 | 2          | 125 | 120H7               | 120H7               | 195 | 280 | SP2-155 | 155 | 263 | 62  | 23 | M12         | 322 | 337  |                  |  |
| 08          | 130g6                               | 130h6 | 129.5 | 145 | 6  | 458 | 73  | 3 | 20 | 8               | 135 | 100 | 26 | 70  | M12 | 2          | 135 | 130H7               | 130H7               | 195 | 285 | SP2-165 | 165 | 290 | 68  | 23 | M16         | 322 | 337  |                  |  |
| 09          | 140g6                               | 140h6 | 139.5 | 160 | 6  | 539 | 82  | 4 | 23 | 10              | 150 | 110 | 33 | 80  | M12 | 2          | 150 | 140H7               | 140H7               | 235 | 330 | SP2-175 | 175 | 300 | 68  | 28 | M16         | 322 | 377  |                  |  |
| 10          | 150g6                               | 150h6 | 149.5 | 170 | 6  | 559 | 92  | 4 | 23 | 10              | 160 | 120 | 33 | 90  | M12 | 2          | 160 | 150H7               | 150H7               | 235 | 350 | SP2-185 | 185 | 330 | 85  | 28 | M16         | 392 | 412  |                  |  |
| 11          | 165f6                               | 165g6 | 164.5 | 185 | 7  | 644 | 112 | 4 | 23 | 10              | 175 | 130 | 33 | 90  | M12 | 2          | 175 | 165H7               | 165H7               | 270 | 400 | SP2-220 | 220 | 370 | 103 | 30 | M16         | 392 | 445  |                  |  |
| 12          | 180f6                               | 180g6 | 179.5 | 200 | 7  | 649 | 122 | 4 | 23 | 10              | 190 | 140 | 33 | 100 | M16 | 2          | 190 | 180H7               | 180H7               | 270 | 405 | SP2-240 | 240 | 405 | 107 | 30 | M20         | 483 | 465  |                  |  |
| 13          | 190f6                               | 190g6 | 189.5 | 213 | 7  | 789 | 137 | 5 | 23 | 10              | 200 | 150 | 33 | 110 | M16 | 2          | 200 | 190H7               | 190                 | 335 | 480 | SP2-260 | 260 | 430 | 119 | 30 | M20         | 480 | 533  |                  |  |
| 14          | 210f6                               | 210g6 | 209.5 | 233 | 8  | 784 | 147 | 5 | 28 | 14              | 220 | 170 | 33 | 130 | M16 | 2          | 220 | 210H7               | 210                 | 335 | 480 | SP2-280 | 280 | 460 | 132 | 30 | M20         | 480 | 533  |                  |  |
| 15          | 230f6                               | 230g6 | 229.5 | 253 | 8  | 899 | 157 | 5 | 28 | 14              | 240 | 180 | 39 | 140 | M16 | 2          | 240 | 230H7               | 230                 | 380 | 550 | SP2-300 | 300 | 485 | 140 | 35 | M20         | 540 | 625  |                  |  |
| 16          | 240f6                               | 240g6 | 239.5 | 263 | 8  | 899 | 157 | 5 | 28 | 14              | 250 | 190 | 39 | 150 | M20 | 2          | 250 | 240H7               | 240                 | 380 | 550 | SP2-320 | 320 | 520 | 140 | 35 | M20         | 540 | 625  |                  |  |
| 17          | 250f6                               | 250g6 | 249.5 | 278 | 8  | 982 | 177 | 5 | 30 | 14              | 265 | 200 | 39 | 150 | M20 | 2          | 265 | 250H7               | 250                 | 415 | 600 | SP2-340 | 340 | 570 | 155 | 35 | M20         | 620 | 670  |                  |  |
| 18          | 280f6                               | 280g6 | 279.5 | 306 | 9  | 982 | 177 | 5 | 30 | 14              | 290 | 210 | 39 | 160 | M20 | 2          | 290 | 280H7               | 280                 | 415 | 600 | SP2-360 | 360 | 590 | 162 | 35 | M24         | 620 | 670  |                  |  |

注：1.被驱动设备的驱动轴材质：40Cr或强度更高的钢。  
2.被驱动设备的驱动轴不在我们的供货范围之内。如果需要的话，请另订货  
3.锁紧盘、防护罩、端板及弹性挡圈均为带锁紧盘联接空心轴的标准配制。  
4.被驱动设备的驱动轴表面不得沾有机油或润滑脂。

Note: 1.Material of driven equipment shaft: 40Cr or steel with higher strength.  
2.Driven equipment shaft is not in scope of supply, please order if required.  
3.Shrink disc, protection cover, end plate and circlip are supplied with gearbox as standard.  
4.Driven equipment shaft shrink disc for connection.Driven machine shaft must be free of oil or grease.

### 14.3 带花键空心轴 尺寸图表

### 14.3 Hollow shaft with involute spline

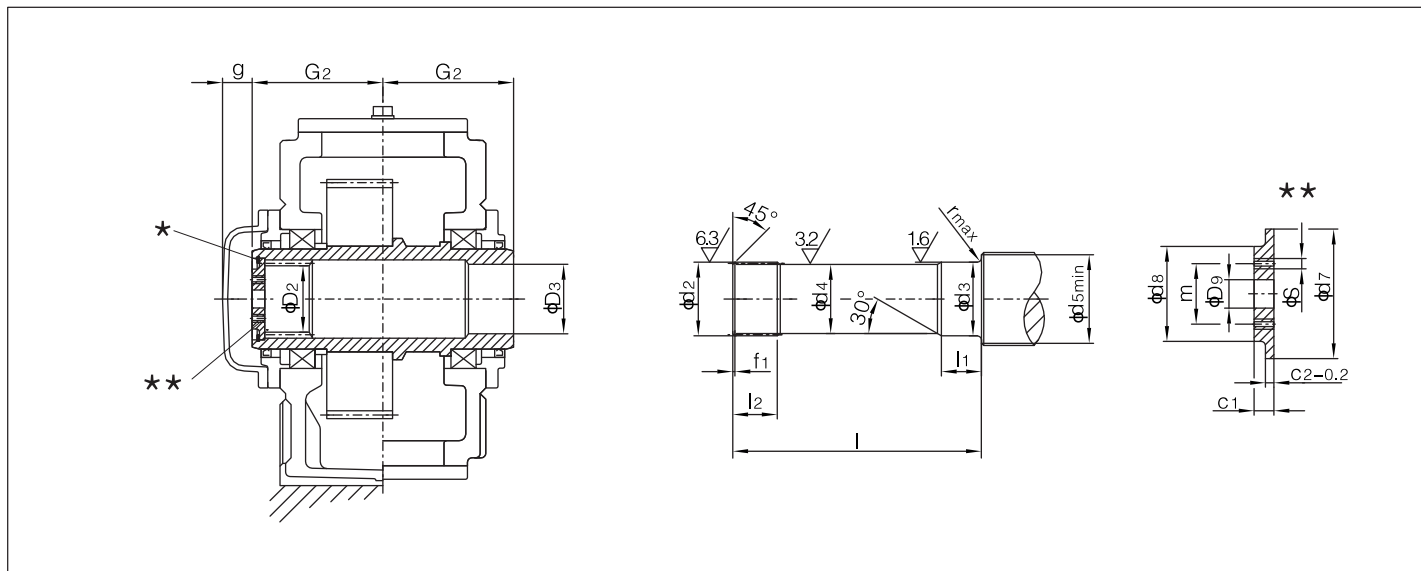


★ 弹性挡圈  
★★ 端板

★ Connection flange  
★★ Coupling

#### Type H2...K, H3...K, H4...K, B3...K, B4...K (Size 04-18)

| 机座号<br>Size | 渐开<br>线花<br>键<br>Involute<br>splines<br>DIN5480 | 被驱动<br>设备的<br>驱动轴 |       |     |     |    |     | Driven<br>equipment<br>shaft |     |   |    | 端板 |       |     |    |     |     | End<br>plate |     | 弹性挡圈<br>Circlip | 空心<br>轴 |     |      | Hollow<br>shaft |  | 螺栓<br>Bolt |
|-------------|-------------------------------------------------|-------------------|-------|-----|-----|----|-----|------------------------------|-----|---|----|----|-------|-----|----|-----|-----|--------------|-----|-----------------|---------|-----|------|-----------------|--|------------|
|             |                                                 | d2                | d3    | d4  | d5  | f1 | l   | 11                           | 12  | r | c1 | c2 | d7    | d8  | D9 | m   | s   | Number       | D2  |                 | D3      | G2  | g    |                 |  |            |
| 5           | W95X3X30X30X8f                                  | 94.4h11           | 100h6 | 93  | 114 | 3  | 308 | 53                           | 90  | 2 | 20 | 8  | 105d9 | 80  | 26 | 55  | M10 | 2            | 105 | 89H11           | 100H7   | 165 | 30.5 | M24             |  |            |
| 6           | W95X3X30X30X8f                                  | 94.4h11           | 110h6 | 93  | 124 | 3  | 308 | 58                           | 90  | 3 | 20 | 8  | 105d9 | 80  | 26 | 55  | M10 | 2            | 105 | 89H11           | 110H7   | 165 | 30.5 | M24             |  |            |
| 7           | W120X3X30X38X8f                                 | 119.4h11          | 120h6 | 118 | 134 | 3  | 368 | 68                           | 105 | 3 | 20 | 8  | 125d9 | 90  | 26 | 65  | M12 | 2            | 125 | 114H11          | 120H7   | 195 | 37   | M24             |  |            |
| 8           | W120X3X30X38X8f                                 | 119.4h11          | 130h6 | 118 | 145 | 3  | 368 | 73                           | 105 | 3 | 20 | 8  | 125d9 | 90  | 26 | 65  | M12 | 2            | 125 | 114H11          | 130H7   | 195 | 37   | M24             |  |            |
| 9           | W140X3X30X45X8f                                 | 139.4h11          | 145h6 | 138 | 160 | 3  | 444 | 82                           | 125 | 4 | 23 | 10 | 150d9 | 110 | 33 | 80  | M12 | 2            | 150 | 134H11          | 145H7   | 235 | 32   | M30             |  |            |
| 10          | W140X3X30X45X8f                                 | 139.4h11          | 155h6 | 138 | 170 | 3  | 444 | 92                           | 125 | 4 | 23 | 10 | 150d9 | 110 | 33 | 80  | M12 | 2            | 150 | 134H11          | 155H7   | 235 | 37   | M30             |  |            |
| 11          | W170X5X30X32X8f                                 | 169h11            | 170g6 | 168 | 185 | 5  | 514 | 112                          | 150 | 4 | 23 | 10 | 175d9 | 130 | 33 | 90  | M12 | 2            | 175 | 160H11          | 170H7   | 270 | 40   | M30             |  |            |
| 12          | W170X5X30X32X8f                                 | 169h11            | 185g6 | 168 | 200 | 5  | 514 | 122                          | 150 | 4 | 23 | 10 | 175d9 | 130 | 33 | 90  | M12 | 2            | 175 | 160H11          | 185H7   | 270 | 50   | M30             |  |            |
| 13          | W190x5x30x36x8f                                 | 189h11            | 195g6 | 188 | 213 | 5  | 644 | 137                          | 180 | 5 | 23 | 10 | 200d9 | 150 | 33 | 110 | M16 | 2            | 200 | 180H11          | 195H7   | 335 | 42.5 | M30             |  |            |
| 14          | W190x5x30x36x8f                                 | 189h11            | 215g6 | 188 | 233 | 5  | 644 | 147                          | 180 | 5 | 23 | 10 | 200d9 | 150 | 33 | 110 | M16 | 2            | 200 | 180H11          | 215H7   | 335 | 42.5 | M20             |  |            |
| 15          | W220x5x30x42x8f                                 | 219h11            | 235g6 | 218 | 253 | 5  | 728 | 157                          | 200 | 5 | 28 | 14 | 240d9 | 180 | 39 | 140 | M16 | 2            | 240 | 210H11          | 235H7   | 380 | 57   | M36             |  |            |
| 16          | W220x5x30x42x8f                                 | 219h11            | 245g6 | 218 | 263 | 5  | 728 | 157                          | 200 | 5 | 28 | 14 | 240d9 | 180 | 39 | 140 | M16 | 2            | 240 | 210H11          | 245H7   | 380 | 57   | M36             |  |            |
| 17          | W220x5x30x48x8f                                 | 249h11            | 260g6 | 248 | 278 | 5  | 796 | 177                          | 215 | 5 | 30 | 14 | 265d9 | 200 | 39 | 150 | M20 | 2            | 265 | 240H11          | 260H7   | 415 | 57   | M36             |  |            |
| 18          | W220x5x30x48x8f                                 | 249h11            | 285g6 | 248 | 306 | 5  | 796 | 177                          | 215 | 5 | 30 | 14 | 265d9 | 200 | 39 | 150 | M20 | 2            | 265 | 240H11          | 285H7   | 415 | 57   | M36             |  |            |



\* 弹性挡圈  
\*\* 端板

\* Connection flange  
\*\* Coupling

### Type B2...K(Size 04-12)

| 机座号<br>Size | 渐开<br>线花<br>键<br>Involute<br>splines<br><br>DIN5480 | 被驱动<br>设备的<br>驱动轴 |       |     |     |    |     | Driven<br>equipment<br>shaft |     |   |    | 端板 |       |     |    |     |     | End<br>plate |     | 弹性挡圈<br>Circlip | 空心<br>轴 |     |    | Hollow<br>shaft | 螺栓<br>Bolt |
|-------------|-----------------------------------------------------|-------------------|-------|-----|-----|----|-----|------------------------------|-----|---|----|----|-------|-----|----|-----|-----|--------------|-----|-----------------|---------|-----|----|-----------------|------------|
|             |                                                     | d2                | d3    | d4  | d5  | f1 | 1   | 11                           | 12  | r | c1 | c2 | d7    | d8  | D9 | m   | s   | Number       | D2  |                 | D3      | G2  | g  |                 |            |
| 5           | W95X3X30X30X8f                                      | 94.4h11           | 100h6 | 93  | 114 | 3  | 308 | 53                           | 90  | 2 | 20 | 8  | 105d9 | 80  | 26 | 55  | M10 | 2            | 105 | 89H11           | 100H7   | 165 | 43 | M24             |            |
| 6           | W95X3X30X30X8f                                      | 94.4h11           | 110h6 | 93  | 124 | 3  | 308 | 58                           | 90  | 3 | 20 | 8  | 105d9 | 80  | 26 | 55  | M10 | 2            | 105 | 89H11           | 110H7   | 165 | 43 | M24             |            |
| 7           | W120X3X30X38X8f                                     | 119.4h11          | 120h6 | 118 | 134 | 3  | 368 | 68                           | 105 | 3 | 20 | 8  | 125d9 | 90  | 26 | 65  | M12 | 2            | 125 | 114H11          | 120H7   | 195 | 52 | M24             |            |
| 8           | W120X3X30X38X8f                                     | 119.4h11          | 130h6 | 118 | 145 | 3  | 368 | 73                           | 105 | 3 | 20 | 8  | 125d9 | 90  | 26 | 65  | M12 | 2            | 125 | 114H11          | 130H7   | 195 | 52 | M24             |            |
| 9           | W140X3X30X45X8f                                     | 139.4h11          | 145h6 | 138 | 160 | 3  | 444 | 82                           | 125 | 4 | 23 | 10 | 150d9 | 110 | 33 | 80  | M12 | 2            | 150 | 134H11          | 145H7   | 235 | 52 | M30             |            |
| 10          | W140X3X30X45X8f                                     | 139.4h11          | 155h6 | 138 | 170 | 3  | 444 | 92                           | 125 | 4 | 23 | 10 | 150d9 | 110 | 33 | 80  | M12 | 2            | 150 | 134H11          | 155H7   | 235 | 57 | M30             |            |
| 11          | W170X5X30X32X8f                                     | 169h11            | 170g6 | 168 | 185 | 5  | 514 | 112                          | 150 | 4 | 23 | 10 | 175d9 | 130 | 33 | 90  | M12 | 2            | 175 | 160H11          | 170H7   | 270 | 55 | M30             |            |
| 12          | W170X5X30X32X8f                                     | 169h11            | 185g6 | 168 | 200 | 5  | 514 | 122                          | 150 | 4 | 23 | 10 | 175d9 | 130 | 33 | 90  | M12 | 2            | 175 | 160H11          | 185H7   | 270 | 65 | M30             |            |
| 13          | W190x5x30x36x8f                                     | 189h11            | 195g6 | 188 | 213 | 5  | 644 | 137                          | 180 | 5 | 23 | 10 | 200d9 | 150 | 33 | 110 | M16 | 2            | 200 | 180H11          | 195H7   | 335 | 65 | M30             |            |
| 14          | W190x5x30x36x8f                                     | 189h11            | 215g6 | 188 | 233 | 5  | 644 | 147                          | 180 | 5 | 23 | 10 | 200d9 | 150 | 33 | 110 | M16 | 2            | 200 | 180H11          | 215H7   | 335 | 65 | M20             |            |
| 15          | W220x5x30x42x8f                                     | 219h11            | 235g6 | 218 | 253 | 5  | 728 | 157                          | 200 | 5 | 28 | 14 | 240d9 | 180 | 39 | 140 | M16 | 2            | 240 | 210H11          | 235H7   | 380 | 92 | M36             |            |
| 16          | W220x5x30x42x8f                                     | 219h11            | 245g6 | 218 | 263 | 5  | 728 | 157                          | 200 | 5 | 28 | 14 | 240d9 | 180 | 39 | 140 | M16 | 2            | 240 | 210H11          | 245H7   | 380 | 92 | M36             |            |
| 17          | W220x5x30x48x8f                                     | 249h11            | 260g6 | 248 | 278 | 5  | 796 | 177                          | 215 | 5 | 30 | 14 | 265d9 | 200 | 39 | 150 | M20 | 2            | 265 | 240H11          | 260H7   | 415 | 97 | M36             |            |
| 18          | W220x5x30x48x8f                                     | 249h11            | 285g6 | 248 | 306 | 5  | 796 | 177                          | 215 | 5 | 30 | 14 | 265d9 | 200 | 39 | 150 | M20 | 2            | 265 | 240H11          | 285H7   | 415 | 97 | M36             |            |

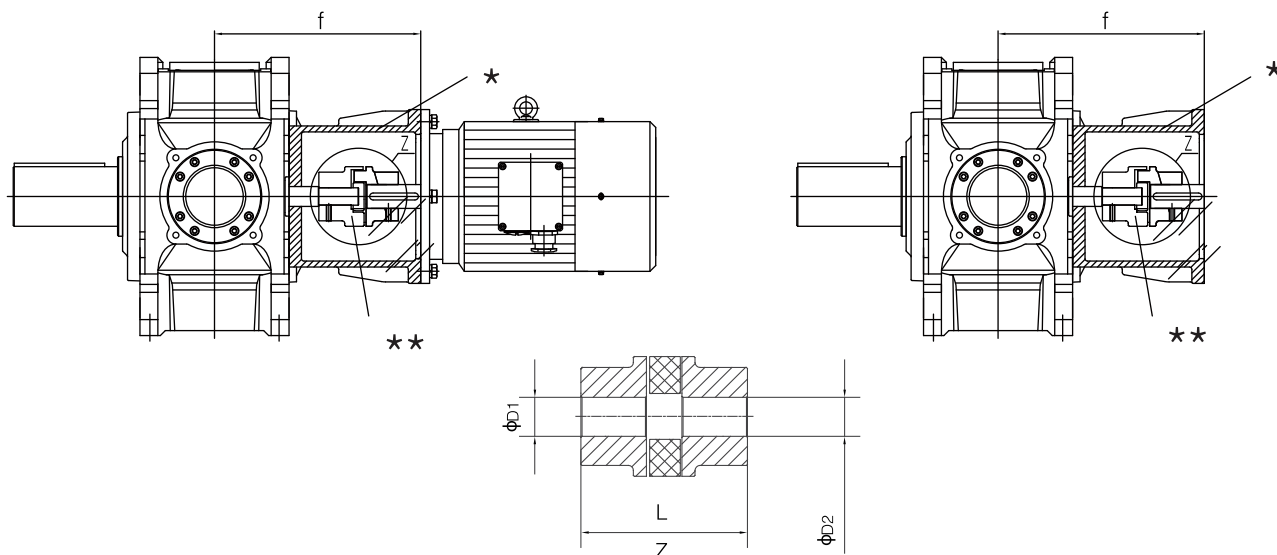
注：1.被驱动设备的驱动轴材质：40Cr或强度更高的钢。  
2.被驱动设备的驱动轴不在我们的供货范围之内。如果需要的话，请另订货  
3.锁紧盘、防护罩、端板及弹性挡圈均为带锁紧盘联接空心轴的标准配制。  
4.被驱动设备的驱动轴表面不得沾有机油或润滑脂。  
5.带花键联接的工作机驱动轴，安装时花键需加注润滑脂。  
6.带按照DIN332加工的DS型中心孔(螺纹孔)的工作机驱动轴

Note: 1.Material of driven equipment shaft: 40Cr or steel with higher strength.  
2.Driven equipment shaft is not in scope of supply, please order if required.  
3.Shrink disc, protection cover, end plate and circlip are supplied with gearbox as standard.  
4.Driven equipment shaft shrink disc for connection.Driven machine shaft must be free of oil or grease.  
5.Driven machine shaft with involute spline must be filled with grease before installation.  
6.Driven machine shaft with DS center hole machined acc. to DIN 332

**15 法兰输入和带电机  
输入(附件代号:UF31)**

**15 Input with motor and  
flange input(Code:UF31)**

**H2**

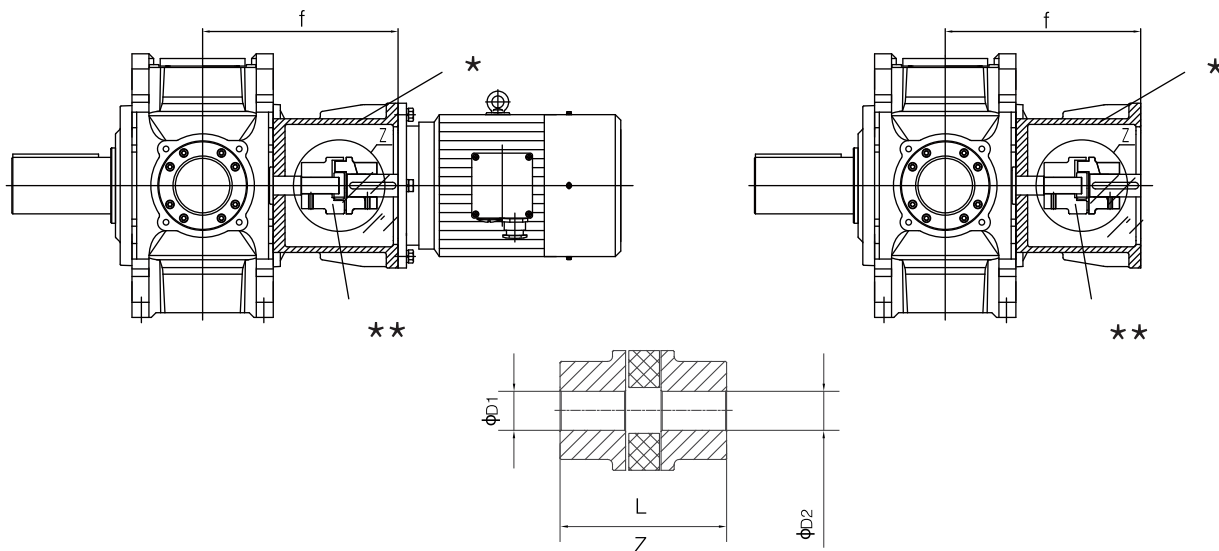


| H2   |            |             | $iN \leq 11.2$ |    |     |     |     | $iN \geq 12.5$ |    |    |     |     |
|------|------------|-------------|----------------|----|-----|-----|-----|----------------|----|----|-----|-----|
| Size | Y<br>Motor | F<br>Flange | Coupling       |    |     |     | f   | Coupling       |    |    |     | f   |
|      |            |             | Type           | D1 | D2  | L   |     | Type           | D1 | D2 | L   |     |
| 4    | 160        |             |                |    |     |     |     | Ga55           | 32 | 42 | 160 | 375 |
|      | 180        |             |                |    |     |     |     | GA55           | 32 | 48 | 160 | 375 |
|      | 200        |             |                |    |     |     |     | GA65           | 32 | 55 | 185 | 390 |
|      | 225        | GA65        | 45             | 60 | 185 | 425 | 425 | GA65           | 32 | 60 | 185 | 425 |
| 5/6  | 200        |             |                |    |     |     |     | GA65           | 38 | 55 | 185 | 415 |
|      | 225        |             |                |    |     |     |     | GA65           | 38 | 60 | 185 | 445 |
|      | 250        | GA75        | 50             | 65 | 210 | 460 | 460 | GA75           | 38 | 65 | 210 | 460 |
|      | 280        | GA75        | 50             | 75 | 210 | 460 | 460 | GA75           | 38 | 75 | 210 | 460 |
| 7/8  | 225        |             |                |    |     |     |     | GA65           | 50 | 60 | 185 | 475 |
|      | 250        | GA75        | 60             | 65 | 210 | 505 | 505 | GA75           | 50 | 65 | 210 | 505 |
|      | 280        | GA75        | 60             | 75 | 210 | 505 | 505 | GA75           | 50 | 75 | 210 | 505 |
|      | 315*       | GA90        | 60             | 80 | 245 | 530 | 530 | GA90           | 50 | 80 | 245 | 530 |

\* 连接法兰  
\*\* 联轴器

\* Connexion flange  
\*\* Coupling

### H3

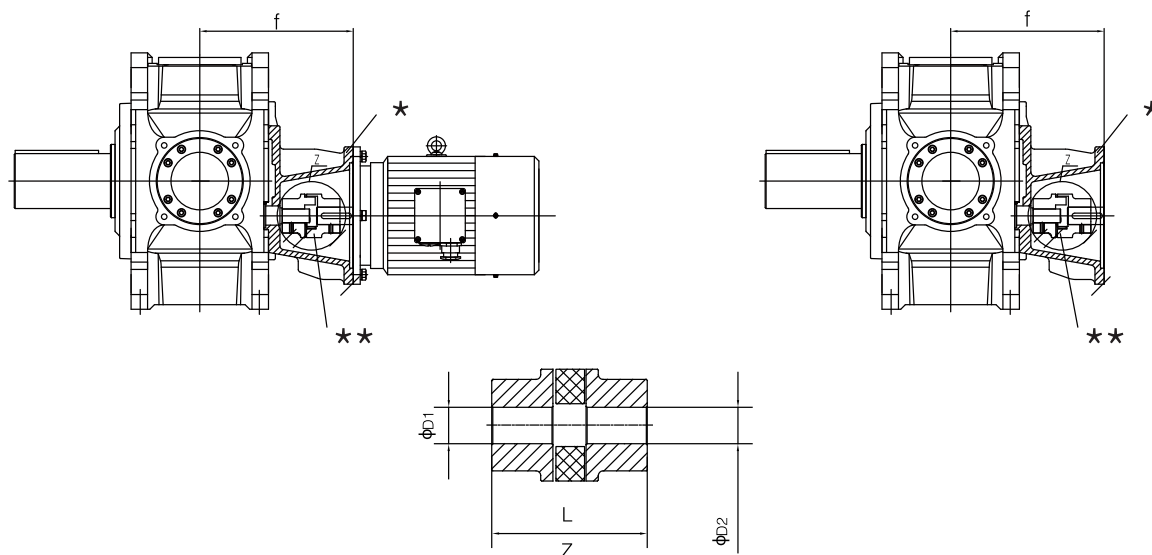


| H3    |            |             | iN≤45 (Size: 5、6、17)<br>iN≤50 (Size: 7-16、18) |     |    |     |        | iN≥50 (Size: 5、6、17 )<br>iN≥56 (Size: 7-16、18 ) |    |    |     |        |
|-------|------------|-------------|-----------------------------------------------|-----|----|-----|--------|-------------------------------------------------|----|----|-----|--------|
| Size  | Y<br>Motor | F<br>Flange | Coupling                                      |     |    |     | f      | Coupling                                        |    |    |     | f      |
|       |            |             | Type                                          | D1  | D2 | L   |        | Type                                            | D1 | D2 | L   |        |
| 5/6   | 132        |             |                                               |     |    |     |        | GA42                                            | 30 | 38 | 126 | 311    |
|       | 160        |             | GA55                                          | 40  | 42 | 160 | 360    | GA55                                            | 30 | 42 | 160 | 360    |
|       | 180        |             | GA55                                          | 40  | 48 | 160 | 360    | GA55                                            | 30 | 48 | 160 | 360    |
|       | 200        |             | GA65                                          | 40  | 55 | 185 | 375    | GA65                                            | 30 | 55 | 185 | 376    |
|       | 225        |             | GA65                                          | 40  | 60 | 185 | 404. 5 | GA65                                            | 30 | 60 | 185 | 404. 5 |
| 7/8   | 160        |             |                                               |     |    |     |        | GA55                                            | 35 | 42 | 160 | 415    |
|       | 180        |             |                                               |     |    |     |        | GA55                                            | 35 | 48 | 160 | 415    |
|       | 200        |             | GA65                                          | 45  | 55 | 185 | 435    | GA65                                            | 35 | 55 | 185 | 435    |
|       | 225        |             | GA65                                          | 45  | 60 | 185 | 465    | GA65                                            | 35 | 60 | 185 | 465    |
|       | 250        |             | GA75                                          | 45  | 65 | 210 | 475    | GA75                                            | 35 | 65 | 210 | 475    |
|       | 280        |             | GA75                                          | 45  | 75 | 210 | 475    |                                                 |    |    |     |        |
| 9/10  | 160        |             |                                               |     |    |     |        | GA55                                            | 45 | 42 | 160 | 470    |
|       | 180        |             |                                               |     |    |     |        | GA55                                            | 45 | 48 | 160 | 470    |
|       | 200        |             | GA65                                          | 60  | 55 | 185 | 495    | GA65                                            | 45 | 55 | 185 | 495    |
|       | 225        |             | GA65                                          | 60  | 60 | 185 | 530    | GA65                                            | 45 | 60 | 185 | 530    |
|       | 250        |             | GA75                                          | 60  | 65 | 210 | 530    | GA75                                            | 45 | 65 | 210 | 530    |
|       | 280        |             | GA75                                          | 60  | 75 | 210 | 530    |                                                 |    |    |     |        |
| 11/12 | 225        |             |                                               |     |    |     |        | GA65                                            | 50 | 60 | 185 | 535    |
|       | 250        |             | GA75                                          | 70  | 65 | 210 | 565    | GA75                                            | 50 | 65 | 210 | 565    |
|       | 280        |             | GA75                                          | 70  | 75 | 210 | 565    | GA75                                            | 50 | 75 | 210 | 565    |
| 13/14 | 250        |             |                                               |     |    |     |        | GA75                                            | 60 | 65 | 210 | 615    |
|       | 280        |             |                                               |     |    |     |        | GA75                                            | 60 | 75 | 210 | 615    |
|       | 315        |             | GA90                                          | 85  | 80 | 245 | 675    | GA90                                            | 60 | 80 | 245 | 675    |
|       | 355        |             | GA110                                         | 85  | 95 | 295 | 675    | GA110                                           | 60 | 95 | 295 | 675    |
| 15/16 | 250        |             |                                               |     |    |     |        | GA75                                            | 75 | 65 | 210 | 660    |
|       | 280        |             |                                               |     |    |     |        | GA75                                            | 75 | 75 | 210 | 660    |
|       | 315        |             | GA100                                         | 100 | 80 | 270 | 755    | GA100                                           | 75 | 80 | 270 | 755    |
|       | 355        |             | GA110                                         | 100 | 95 | 295 | 755    | GA110                                           | 75 | 95 | 295 | 755    |
| 17/18 | 315        |             |                                               |     |    |     |        | GA90                                            | 75 | 80 | 245 | 725    |
|       | 355        |             | GA110                                         | 100 | 95 | 295 | 790    | GA110                                           | 75 | 95 | 295 | 790    |

★ 连接法兰  
★★ 联轴器

★ Connection flange  
★★ Coupling

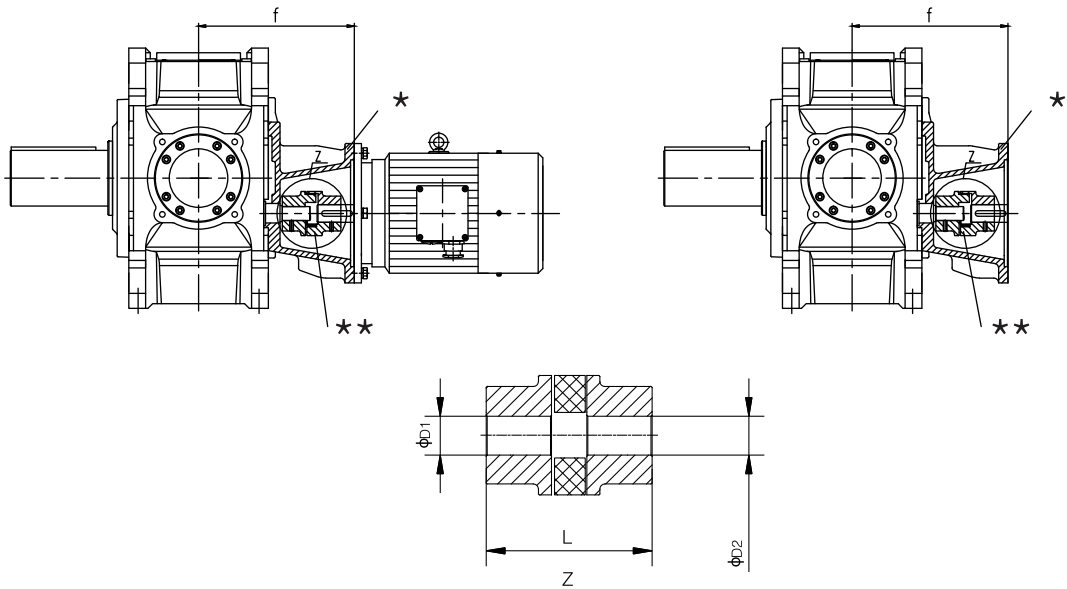
# H4



| H4    |            |             | iN≤200 (Size: 7、8、9、10)<br>iN≤224 (Size: 11、12) |    |    |     |     | iN≥224 (Size: 7、8、9、10)<br>iN≥250 (Size: 11、12) |    |    |     |     |
|-------|------------|-------------|-------------------------------------------------|----|----|-----|-----|-------------------------------------------------|----|----|-----|-----|
| Size  | Y<br>Motor | F<br>Flange | Coupling                                        |    |    |     | f   | Coupling                                        |    |    |     | f   |
|       |            |             | Type                                            | D1 | D2 | L   |     | Type                                            | D1 | D2 | L   |     |
| 7/8   | 132        |             | GA42                                            | 30 | 38 | 126 | 335 | GA42                                            | 24 | 38 | 126 | 335 |
|       | 160        |             | GA55                                            | 30 | 42 | 160 | 385 | GA55                                            | 24 | 42 | 160 | 385 |
|       | 180        |             | GA55                                            | 30 | 48 | 160 | 385 | GA55                                            | 24 | 48 | 160 | 385 |
| 9/10  | 132        |             | GA42                                            | 35 | 38 | 126 | 370 | GA42                                            | 28 | 38 | 126 | 370 |
|       | 160        |             | GA55                                            | 35 | 42 | 160 | 420 | GA55                                            | 28 | 42 | 160 | 420 |
|       | 180        |             | GA55                                            | 35 | 48 | 160 | 420 | GA55                                            | 28 | 48 | 160 | 420 |
|       | 200        |             | GA65                                            | 35 | 55 | 185 | 435 | GA65                                            | 28 | 55 | 185 | 435 |
|       | 225        |             | GA65                                            | 35 | 60 | 185 | 465 | GA65                                            | 28 | 60 | 185 | 465 |
| 11/12 | 160        |             |                                                 |    |    |     |     | GA55                                            | 32 | 42 | 160 | 480 |
|       | 180        |             | GA55                                            | 45 | 48 | 160 | 480 | GA55                                            | 32 | 48 | 160 | 480 |
|       | 200        |             | GA65                                            | 45 | 55 | 185 | 490 | GA65                                            | 32 | 55 | 185 | 490 |
|       | 225        |             | GA65                                            | 45 | 60 | 185 | 510 | GA65                                            | 32 | 60 | 185 | 510 |
|       | 250        |             | GA75                                            | 45 | 65 | 210 | 515 |                                                 |    |    |     |     |

★ 连接法兰  
★★ 联轴器

★ Connexion flange  
★★ Coupling



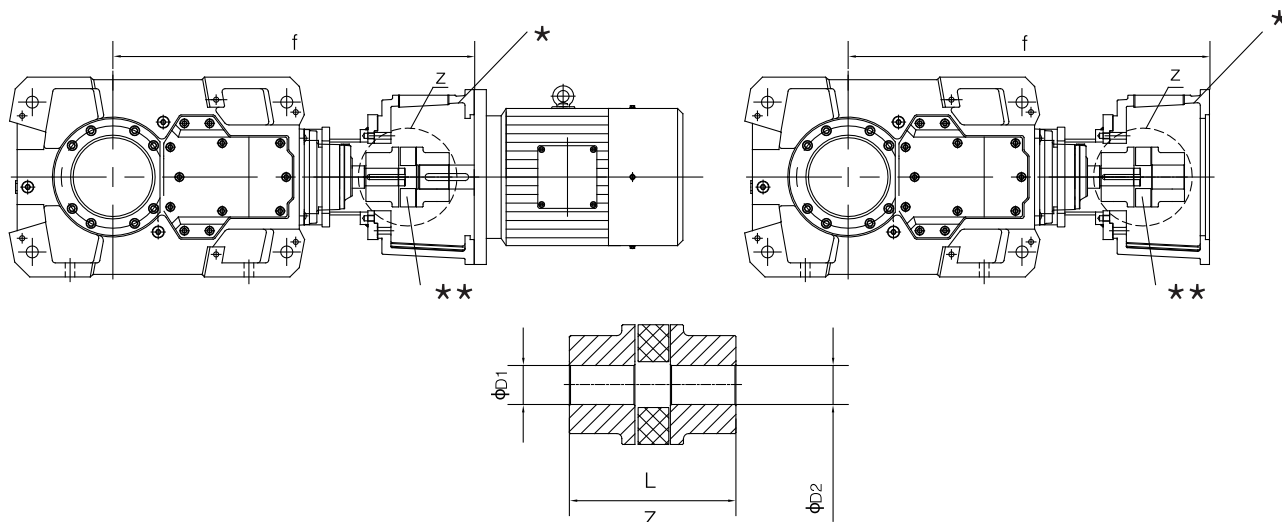
| H4    |            |             | iN≤224( Size : 13、14、15、16、18)<br>iN≤200( Size : 17) |    |     |     | iN≥250( Size : 13、14、15、16、18)<br>iN≥224( Size : 17) |          |    |     |     |     |
|-------|------------|-------------|------------------------------------------------------|----|-----|-----|------------------------------------------------------|----------|----|-----|-----|-----|
| Size  | M<br>Motor | F<br>Flange | Coupling                                             |    |     |     | f                                                    | Coupling |    |     |     | f   |
|       |            |             | Type                                                 | D1 | D2  | L   |                                                      | Type     | D1 | D2  | L   |     |
| 13/14 | 160        |             |                                                      |    |     |     |                                                      | GA55     | 38 | 42  | 160 | 510 |
|       | 180        |             |                                                      |    |     |     |                                                      | GA55     | 38 | 48  | 160 | 510 |
|       | 200        | GA65        | 50                                                   | 55 | 185 | 535 | GA65                                                 | 38       | 55 | 185 | 535 |     |
|       | 225        | GA65        | 50                                                   | 60 | 185 | 565 | GA65                                                 | 38       | 60 | 185 | 565 |     |
|       | 250        | GA75        | 50                                                   | 65 | 210 | 570 | GA75                                                 | 38       | 65 | 210 | 570 |     |
|       | 280        | GA75        | 50                                                   | 75 | 210 | 570 |                                                      |          |    |     |     |     |
| 15/16 | 200        |             |                                                      |    |     |     | GA65                                                 | 50       | 55 | 185 | 575 |     |
|       | 225        | GA65        | 60                                                   | 60 | 185 | 635 | GA65                                                 | 50       | 60 | 185 | 635 |     |
|       | 250        | GA75        | 60                                                   | 65 | 210 | 635 | GA75                                                 | 50       | 65 | 210 | 635 |     |
|       | 280        | GA75        | 60                                                   | 75 | 210 | 635 | GA75                                                 | 50       | 75 | 210 | 635 |     |
| 17/18 | 225        |             |                                                      |    |     |     | GA65                                                 | 50       | 60 | 185 | 640 |     |
|       | 250        |             |                                                      |    |     |     | GA75                                                 | 50       | 65 | 210 | 670 |     |
|       | 280        | GA75        | 60                                                   | 75 | 210 | 670 | GA75                                                 | 50       | 75 | 210 | 670 |     |
|       | 315        | GA90        | 60                                                   | 80 | 245 | 700 | GA90                                                 | 50       | 80 | 245 | 700 |     |

★ 连接法兰  
★★ 联轴器

★ Connection flange  
★★ Coupling



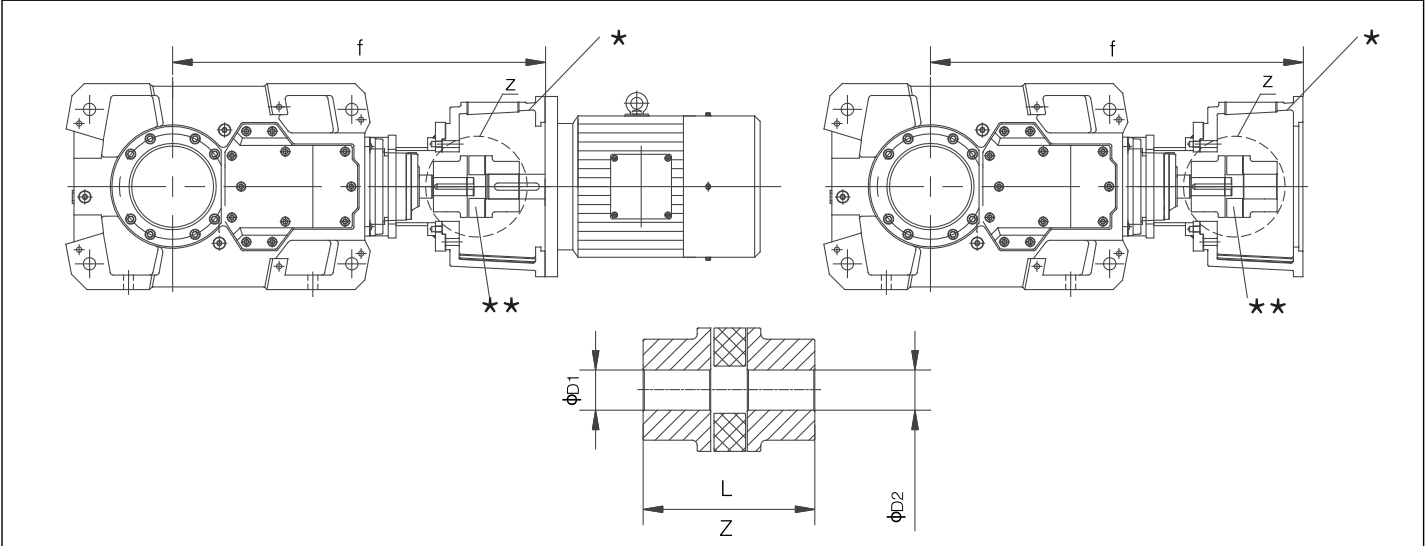
**B3**



| B3   |         |          | $N \leq 63$ |    |    |     |      | $N \geq 71$ |    |    |     |      |
|------|---------|----------|-------------|----|----|-----|------|-------------|----|----|-----|------|
| Size | Y Motor | F Flange | Coupling    |    |    |     | f    | Coupling    |    |    |     | f    |
|      |         |          | Type        | D1 | D2 | L   |      | Type        | D1 | D2 | L   |      |
| 4    |         | 132      |             |    |    |     |      | GA42        | 30 | 38 | 126 | 664  |
|      |         | 160      | GA55        | 35 | 42 | 160 | 718  | GA55        | 30 | 42 | 160 | 718  |
|      |         | 180      | GA55        | 35 | 48 | 160 | 718  | GA55        | 30 | 48 | 160 | 718  |
|      |         | 200      | GA65        | 35 | 55 | 185 | 724  |             |    |    |     |      |
| 5    |         | 160      | GA55        | 45 | 42 | 160 | 812  | GA55        | 35 | 42 | 160 | 812  |
|      |         | 180      | GA55        | 45 | 48 | 160 | 812  | GA55        | 35 | 48 | 160 | 812  |
|      |         | 200      | GA65        | 45 | 55 | 185 | 818  | GA65        | 35 | 55 | 185 | 818  |
|      |         | 225      | GA65        | 45 | 60 | 185 | 848  |             |    |    |     |      |
| 6    |         | 160      | GA55        | 45 | 42 | 160 | 847  | GA55        | 35 | 42 | 160 | 847  |
|      |         | 180      | GA55        | 45 | 48 | 160 | 847  | GA55        | 35 | 48 | 160 | 847  |
|      |         | 200      | GA65        | 45 | 55 | 185 | 853  | GA65        | 35 | 55 | 185 | 853  |
|      |         | 225      | GA65        | 45 | 60 | 185 | 883  |             |    |    |     |      |
| 7    |         | 160      |             |    |    |     |      | GA55        | 40 | 42 | 160 | 923  |
|      |         | 180      |             |    |    |     |      | GA55        | 40 | 48 | 160 | 923  |
|      |         | 200      | GA65        | 50 | 55 | 185 | 932  | GA65        | 40 | 55 | 185 | 932  |
|      |         | 225      | GA65        | 50 | 60 | 185 | 962  | GA65        | 40 | 60 | 185 | 962  |
|      |         | 250      | GA75        | 50 | 65 | 210 | 965  | GA75        | 40 | 65 | 210 | 965  |
|      |         | 280      | GA75        | 50 | 75 | 210 | 965  |             |    |    |     |      |
| 8    |         | 160      |             |    |    |     |      | GA55        | 40 | 42 | 160 | 968  |
|      |         | 180      |             |    |    |     |      | GA55        | 40 | 48 | 160 | 968  |
|      |         | 200      | GA65        | 50 | 55 | 185 | 977  | GA65        | 40 | 55 | 18  | 977  |
|      |         | 225      | GA65        | 50 | 60 | 185 | 1007 | GA65        | 40 | 60 | 185 | 1007 |
|      |         | 250      | GA75        | 50 | 65 | 210 | 1010 | GA75        | 40 | 65 | 210 | 1010 |
|      |         | 280      | GA75        | 50 | 75 | 210 | 1010 |             |    |    |     |      |
| 9    |         | 200      |             |    |    |     |      | GA65        | 50 | 55 | 185 | 1067 |
|      |         | 225      | GA65        | 60 | 60 | 185 | 1097 | GA65        | 50 | 60 | 185 | 1097 |
|      |         | 250      | GA75        | 60 | 65 | 210 | 1100 | GA75        | 50 | 65 | 210 | 1100 |
|      |         | 280      | GA75        | 60 | 75 | 210 | 1100 | GA75        | 50 | 75 | 210 | 1100 |
| 10   |         | 200      |             |    |    |     |      | GA65        | 50 | 55 | 185 | 1117 |
|      |         | 225      | GA65        | 60 | 60 | 185 | 1147 | GA65        | 50 | 60 | 185 | 1147 |
|      |         | 250      | GA75        | 60 | 65 | 210 | 1150 | GA75        | 50 | 65 | 210 | 1150 |
|      |         | 280      | GA75        | 60 | 75 | 210 | 1150 | GA75        | 50 | 75 | 210 | 1150 |
| 11   |         | 225      |             |    |    |     |      | GA65        | 60 | 60 | 185 | 1267 |
|      |         | 250      | GA75        | 75 | 65 | 210 | 1270 | GA75        | 60 | 65 | 210 | 1270 |
|      |         | 280      | GA75        | 75 | 75 | 210 | 1270 | GA75        | 60 | 75 | 210 | 1270 |
| 12   |         | 225      |             |    |    |     |      | GA65        | 60 | 60 | 185 | 1337 |
|      |         | 250      | GA75        | 75 | 65 | 210 | 1340 | GA75        | 60 | 65 | 210 | 1340 |
|      |         | 280      | GA75        | 75 | 75 | 210 | 1340 | GA75        | 60 | 75 | 210 | 1340 |

★ 连接法兰  
★★ 联轴器

★ Connection flange  
★★ Coupling

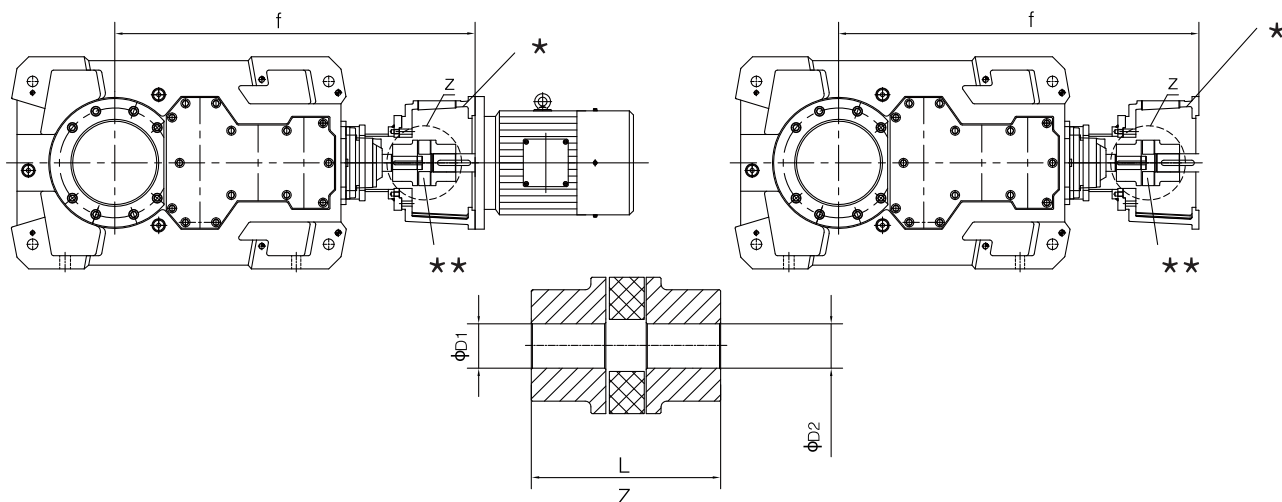


| B3   |            |             | iN≤63 (Size :13、14、15、16、18)<br>iN≤56 (Size :17) |     |    |     | iN≥71 (Size :13、14、15、16、18)<br>iN≥63 (Size :17) |          |    |    |     |      |
|------|------------|-------------|--------------------------------------------------|-----|----|-----|--------------------------------------------------|----------|----|----|-----|------|
| Size | M<br>Motor | F<br>Flange | Coupling                                         |     |    |     | f                                                | Coupling |    |    |     | f    |
|      |            |             | Type                                             | D1  | D2 | L   |                                                  | Type     | D1 | D2 | L   |      |
| 13   | 250        |             |                                                  |     |    |     |                                                  | GA75     | 70 | 65 | 210 | 1420 |
|      | 280        |             |                                                  |     |    |     |                                                  | GA75     | 70 | 75 | 210 | 1420 |
|      | 315        |             | GA90                                             | 85  | 80 | 245 | 1474                                             | GA90     | 70 | 80 | 245 | 1474 |
|      | 355        |             | GA110                                            | 85  | 95 | 295 | 1474                                             | GA110    | 70 | 95 | 295 | 1474 |
| 14   | 250        |             |                                                  |     |    |     |                                                  | GA75     | 70 | 65 | 210 | 1490 |
|      | 280        |             |                                                  |     |    |     |                                                  | GA75     | 70 | 75 | 210 | 1490 |
|      | 315        |             | GA90                                             | 85  | 80 | 245 | 1544                                             | GA90     | 70 | 80 | 245 | 1544 |
|      | 355        |             | GA110                                            | 85  | 95 | 295 | 1544                                             | GA110    | 70 | 95 | 295 | 1544 |
| 15   | 315        |             | GA110                                            | 95  | 80 | 295 | 1731                                             | GA90     | 75 | 80 | 245 | 1731 |
|      | 355        |             | GA110                                            | 95  | 95 | 295 | 1731                                             | GA110    | 75 | 95 | 295 | 1731 |
| 16   | 315        |             | GA110                                            | 95  | 80 | 295 | 1777                                             | GA90     | 75 | 80 | 245 | 1777 |
|      | 355        |             | GA110                                            | 95  | 95 | 295 | 1777                                             | GA110    | 75 | 95 | 295 | 1777 |
| 17   | 315        |             |                                                  |     |    |     |                                                  | GA90     | 90 | 80 | 245 | 1959 |
|      | 355        |             | GA110                                            | 115 | 95 | 295 | 1959                                             | GA110    | 90 | 95 | 295 | 1959 |
| 18   | 315        |             |                                                  |     |    |     |                                                  | GA90     | 90 | 80 | 245 | 2019 |
|      | 355        |             | GA110                                            | 115 | 95 | 185 | 2019                                             | GA110    | 90 | 95 | 295 | 2019 |

★ 连接法兰  
★★ 联轴器

★ Connection flange  
★★ Coupling

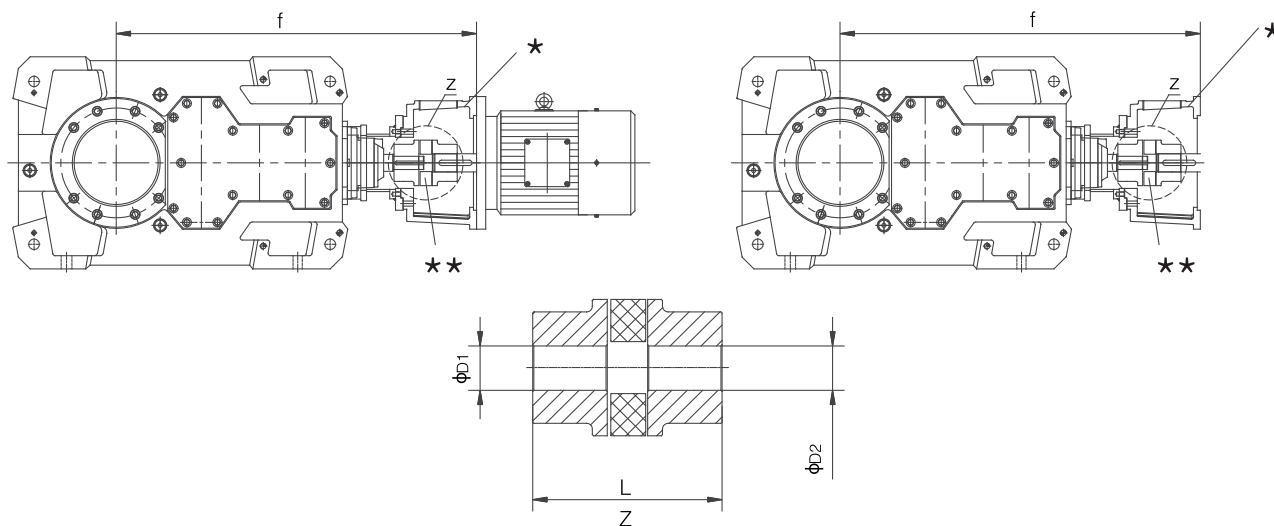
**B4**



| B4   |            |             | N≤250 (Size: 9、10)<br>N≤280 (Size: 5、6、7、8、11、12) |    |    |     | N≥280 (Size: 9、10)<br>N≥315 (Size: 5、6、7、8、11、12) |          |    |    |     |      |
|------|------------|-------------|---------------------------------------------------|----|----|-----|---------------------------------------------------|----------|----|----|-----|------|
| Size | Y<br>Motor | F<br>Flange | Coupling                                          |    |    |     | f                                                 | Coupling |    |    |     | f    |
|      |            |             | Type                                              | D1 | D2 | L   |                                                   | Type     | D1 | D2 | L   |      |
| 5    | 132        |             | GA42                                              | 35 | 38 | 126 | 784                                               | Ga42     | 25 | 38 | 126 | 784  |
|      | 160        |             | GA55                                              | 35 | 42 | 160 | 837                                               |          |    |    |     |      |
| 6    | 132        |             | GA42                                              | 35 | 38 | 126 | 819                                               | GA42     | 25 | 38 | 126 | 819  |
|      | 160        |             | GA55                                              | 35 | 42 | 160 | 872                                               |          |    |    |     |      |
| 7    | 132        |             | GA42                                              | 35 | 38 | 126 | 889                                               | GA42     | 30 | 38 | 126 | 889  |
|      | 160        |             | GA55                                              | 35 | 42 | 160 | 943                                               | GA55     | 30 | 42 | 160 | 943  |
|      | 180        |             | GA55                                              | 35 | 48 | 160 | 943                                               | GA55     | 30 | 48 | 160 | 943  |
|      | 200        |             | GA65                                              | 35 | 55 | 185 | 949                                               |          |    |    |     |      |
| 8    | 132        |             | GA42                                              | 35 | 38 | 126 | 934                                               | GA42     | 30 | 38 | 126 | 934  |
|      | 160        |             | GA55                                              | 35 | 42 | 160 | 988                                               | GA55     | 30 | 42 | 160 | 988  |
|      | 180        |             | GA55                                              | 35 | 48 | 160 | 988                                               | GA55     | 30 | 48 | 160 | 988  |
|      | 200        |             | GA65                                              | 35 | 55 | 185 | 994                                               |          |    |    |     |      |
| 9    | 132        |             |                                                   |    |    |     |                                                   | GA42     | 35 | 38 | 126 | 1023 |
|      | 160        |             | GA55                                              | 45 | 42 | 160 | 1077                                              | GA55     | 35 | 42 | 160 | 1077 |
|      | 180        |             | GA55                                              | 45 | 48 | 160 | 1077                                              | GA55     | 35 | 48 | 160 | 1077 |
|      | 200        |             | GA65                                              | 45 | 55 | 185 | 1083                                              |          |    |    |     |      |
|      | 225        |             | GA65                                              | 45 | 60 | 185 | 1113                                              |          |    |    |     |      |
| 10   | 132        |             |                                                   |    |    |     |                                                   | GA42     | 35 | 38 | 126 | 1073 |
|      | 160        |             | GA55                                              | 45 | 42 | 160 | 1127                                              | GA55     | 35 | 42 | 160 | 1127 |
|      | 180        |             | GA55                                              | 45 | 48 | 160 | 1127                                              | GA55     | 35 | 48 | 160 | 1127 |
|      | 200        |             | GA65                                              | 45 | 55 | 185 | 1133                                              |          |    |    |     |      |
|      | 225        |             | GA65                                              | 45 | 60 | 185 | 1163                                              |          |    |    |     |      |
| 11   | 160        |             |                                                   |    |    |     |                                                   | GA55     | 40 | 42 | 160 | 1243 |
|      | 180        |             | GA55                                              | 50 | 48 | 160 | 1244                                              | GA55     | 40 | 48 | 160 | 1243 |
|      | 200        |             | GA65                                              | 50 | 55 | 185 | 1252                                              | GA65     | 40 | 55 | 185 | 1252 |
|      | 225        |             | GA65                                              | 50 | 60 | 185 | 1282                                              | GA65     | 40 | 60 | 185 | 1282 |
|      | 250        |             | GA75                                              | 50 | 65 | 210 | 1285                                              |          |    |    |     |      |
|      | 280        |             | GA75                                              | 50 | 75 | 210 | 1285                                              |          |    |    |     |      |
| 12   | 160        |             |                                                   |    |    |     |                                                   | GA55     | 40 | 42 | 160 | 1313 |
|      | 180        |             | GA55                                              | 50 | 48 | 160 | 1314                                              | GA55     | 40 | 48 | 160 | 1313 |
|      | 200        |             | GA65                                              | 50 | 55 | 185 | 1322                                              | GA65     | 40 | 55 | 185 | 1322 |
|      | 225        |             | GA65                                              | 50 | 60 | 185 | 1352                                              | GA65     | 40 | 60 | 185 | 1352 |
|      | 250        |             | GA75                                              | 50 | 65 | 210 | 1355                                              |          |    |    |     |      |
|      | 280        |             | GA75                                              | 50 | 75 | 210 | 1355                                              |          |    |    |     |      |

★ 连接法兰  
★★ 联轴器

★ Connection flange  
★★ Coupling



| B4   |            |             | iN≤280 (Size : 13、14、15、16、18)<br>iN≤250 (Size : 17) |    |    |     |      | iN≥315 (Size : 13、14、15、16、18)<br>iN≥280 (Size : 17) |    |     |      |      |
|------|------------|-------------|------------------------------------------------------|----|----|-----|------|------------------------------------------------------|----|-----|------|------|
| Size | M<br>Motor | F<br>Flange | Coupling                                             |    |    |     | f    | Coupling                                             |    |     |      | f    |
|      |            |             | Type                                                 | D1 | D2 | L   |      | Type                                                 | D1 | D2  | L    |      |
| 13   | 180        |             |                                                      |    |    |     | GA55 | 50                                                   | 48 | 160 | 1429 |      |
|      | 200        |             | GA65                                                 | 60 | 55 | 185 | 1437 | GA65                                                 | 50 | 55  | 185  | 1437 |
|      | 225        |             | GA65                                                 | 60 | 60 | 185 | 1467 | GA65                                                 | 50 | 60  | 185  | 1467 |
|      | 250        |             | GA75                                                 | 60 | 65 | 210 | 1470 | GA75                                                 | 50 | 65  | 210  | 1470 |
|      | 280        |             | GA75                                                 | 60 | 75 | 210 | 1470 | GA75                                                 | 50 | 75  | 210  | 1470 |
|      | 315        |             | GA90                                                 | 60 | 80 | 245 | 1524 |                                                      |    |     |      |      |
| 14   | 180        |             |                                                      |    |    |     | GA55 | 50                                                   | 48 | 160 | 1499 |      |
|      | 200        |             | GA65                                                 | 60 | 55 | 185 | 1507 | GA65                                                 | 50 | 55  | 185  | 1507 |
|      | 225        |             | GA65                                                 | 60 | 60 | 185 | 1537 | GA65                                                 | 50 | 60  | 185  | 1537 |
|      | 250        |             | GA75                                                 | 60 | 65 | 210 | 1540 | GA75                                                 | 50 | 65  | 210  | 1540 |
|      | 280        |             | GA75                                                 | 60 | 75 | 210 | 1540 | GA75                                                 | 50 | 75  | 210  | 1540 |
|      | 315        |             | GA90                                                 | 60 | 80 | 245 | 1594 |                                                      |    |     |      |      |
| 15   | 200        |             |                                                      |    |    |     | GA65 | 60                                                   | 55 | 185 | 1679 |      |
|      | 225        |             | GA75                                                 | 75 | 60 | 210 | 1709 | GA65                                                 | 60 | 60  | 185  | 1709 |
|      | 250        |             | GA75                                                 | 75 | 65 | 210 | 1712 | GA75                                                 | 60 | 65  | 210  | 1712 |
|      | 280        |             | GA75                                                 | 75 | 75 | 210 | 1712 | GA75                                                 | 60 | 75  | 210  | 1712 |
|      | 315        |             | GA90                                                 | 75 | 80 | 245 | 1766 | GA90                                                 | 60 | 80  | 245  | 1766 |
|      | 355        |             | GA110                                                | 75 | 95 | 295 | 1766 |                                                      |    |     |      |      |
| 16   | 200        |             |                                                      |    |    |     | GA65 | 60                                                   | 55 | 185 | 1725 |      |
|      | 225        |             | GA75                                                 | 75 | 60 | 210 | 1755 | GA65                                                 | 60 | 60  | 185  | 1755 |
|      | 250        |             | GA75                                                 | 75 | 65 | 210 | 1758 | GA75                                                 | 60 | 65  | 210  | 1758 |
|      | 280        |             | GA75                                                 | 75 | 75 | 210 | 1758 | GA75                                                 | 60 | 75  | 210  | 1758 |
|      | 315        |             | GA90                                                 | 75 | 80 | 245 | 1812 | GA90                                                 | 60 | 80  | 245  | 1812 |
|      | 355        |             | GA110                                                | 75 | 95 | 295 | 1812 |                                                      |    |     |      |      |
| 17   | 225        |             |                                                      |    |    |     | GA65 | 60                                                   | 60 | 185 | 1757 |      |
|      | 250        |             |                                                      |    |    |     | GA75 | 60                                                   | 65 | 210 | 1760 |      |
|      | 280        |             | GA75                                                 | 75 | 75 | 210 | 1760 | GA75                                                 | 60 | 75  | 210  | 1760 |
|      | 315        |             | GA90                                                 | 75 | 80 | 245 | 1814 | GA90                                                 | 60 | 80  | 245  | 1814 |
|      | 355        |             | GA110                                                | 75 | 95 | 295 | 1814 |                                                      |    |     |      |      |
| 18   | 225        |             |                                                      |    |    |     | GA65 | 60                                                   | 60 | 185 | 1817 |      |
|      | 250        |             |                                                      |    |    |     | GA75 | 60                                                   | 65 | 210 | 1820 |      |
|      | 280        |             | GA75                                                 | 75 | 75 | 210 | 1820 | GA75                                                 | 60 | 75  | 210  | 1820 |
|      | 315        |             | GA90                                                 | 75 | 80 | 245 | 1874 | GA90                                                 | 60 | 80  | 245  | 1874 |
|      | 355        |             | GA110                                                | 75 | 95 | 295 | 1874 |                                                      |    |     |      |      |

★ 连接法兰  
★★ 联轴器

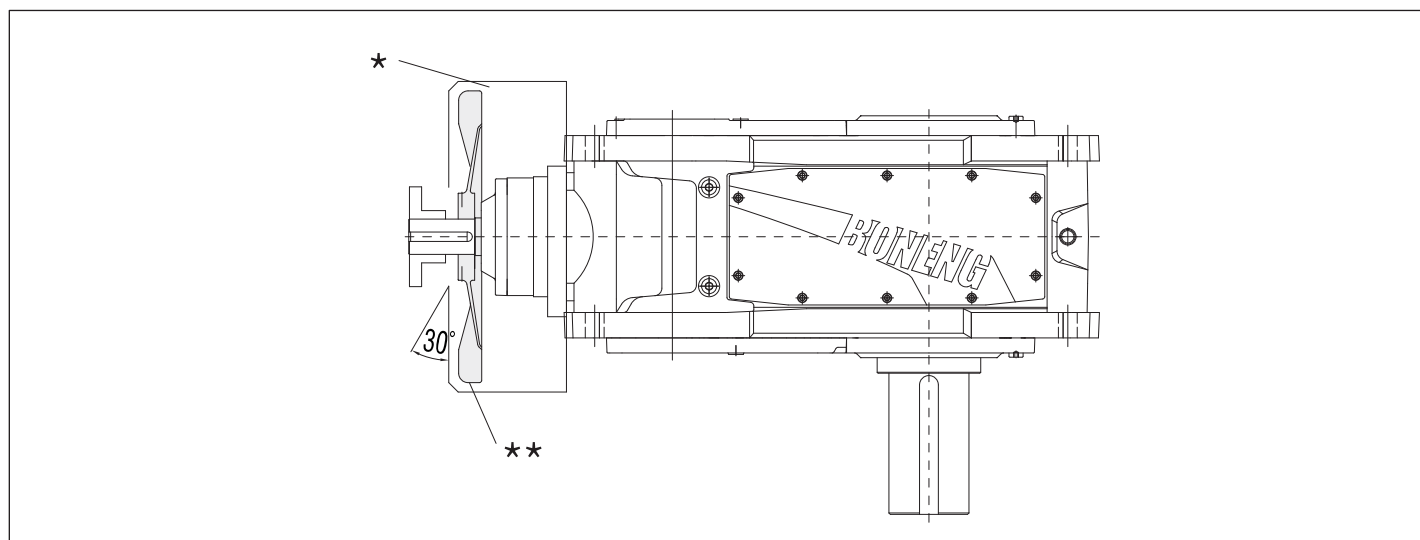
★ Connection flange  
★★ Coupling

# 16 附件

## 16.1冷却风扇(附件代号:UF21)

# 16 Accessory

## 16.1 Cooling fan (Accessory code:UF21)



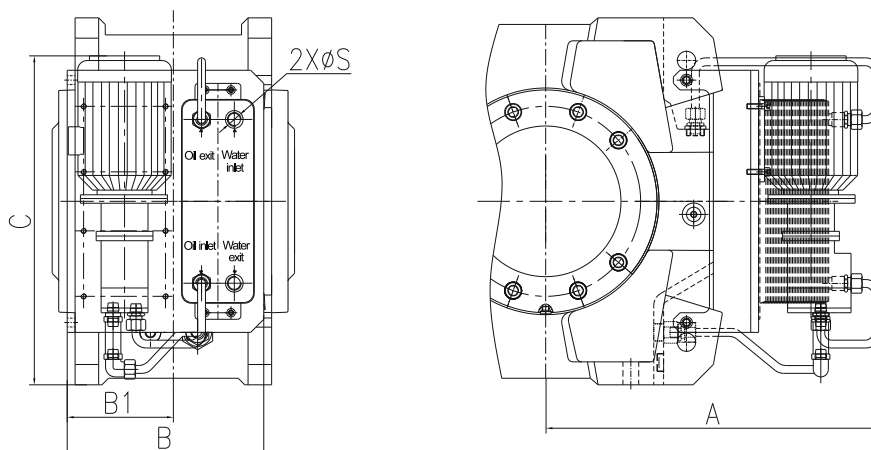
★ 风扇罩  
★★ 冷却风扇

★ Fan cover  
★★ Cooling fan

## 16.2 水油冷却器(附件代号:UC22) 1)卧式安装

## 16.2 Water oil cooler (Accessory code:UC22) 1)Horizontal mounting

H2..H,H3..H,B2..H,B3..H

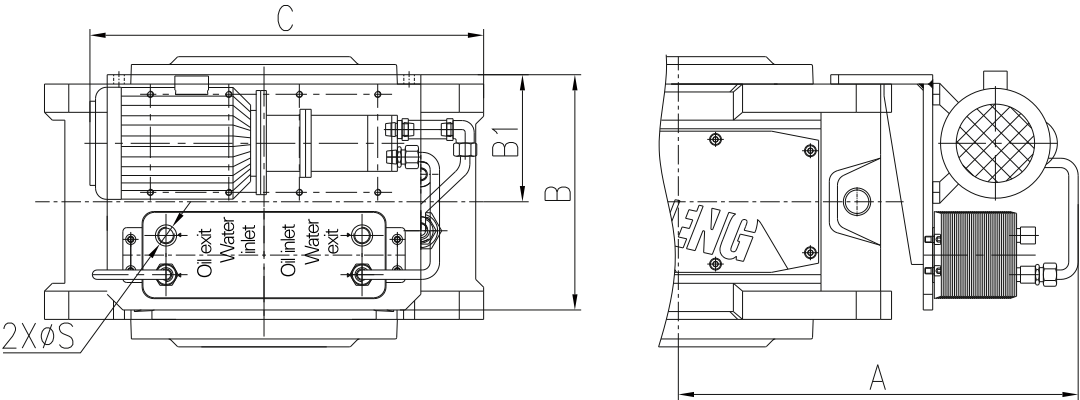


| Size | A   | B   | B1    | C   | S    | Water quantity<br>(L/min) |
|------|-----|-----|-------|-----|------|---------------------------|
| 04   | 435 | 225 | 117.5 | 429 | G1/2 | 5                         |
| 05   | 480 | 265 | 139.5 | 452 | G1/2 | 5                         |
| 06   | 525 | 265 | 139.5 | 452 | G1/2 | 5                         |
| 07   | 510 | 306 | 162   | 502 | G1/2 | 5                         |
| 08   | 580 | 306 | 162   | 502 | G1/2 | 5                         |
| 09   | 545 | 360 | 201   | 602 | G1/2 | 5                         |
| 10   | 595 | 360 | 201   | 602 | G1/2 | 5                         |
| 11   | 585 | 360 | 231   | 670 | G1/2 | 5                         |
| 12   | 670 | 360 | 231   | 670 | G1/2 | 5                         |
| 13   | 772 | 405 | 288.5 | 714 | G1/2 | 10                        |
| 14   | 842 | 405 | 288.5 | 714 | G1/2 | 10                        |
| 15   | 883 | 405 | 326   | 774 | G1/2 | 10                        |
| 16   | 925 | 405 | 326   | 774 | G1/2 | 10                        |
| 17   | 929 | 405 | 356   | 849 | G1/2 | 14                        |
| 18   | 989 | 405 | 356   | 849 | G1/2 | 14                        |

2)立式安装

2)Vertical mounting

H2..V,H3..V,B2..V,B3..V



| Size | A   | B   | B1    | C   | S    | Water quantity<br>(L/min) |
|------|-----|-----|-------|-----|------|---------------------------|
| 04   | 435 | 225 | 117.5 | 429 | G1/2 | 5                         |
| 05   | 480 | 265 | 139.5 | 452 | G1/2 | 5                         |
| 06   | 525 | 265 | 139.5 | 452 | G1/2 | 5                         |
| 07   | 510 | 306 | 162   | 502 | G1/2 | 5                         |
| 08   | 580 | 306 | 162   | 502 | G1/2 | 5                         |
| 09   | 545 | 360 | 201   | 602 | G1/2 | 5                         |
| 10   | 595 | 360 | 201   | 602 | G1/2 | 5                         |
| 11   | 585 | 360 | 231   | 670 | G1/2 | 5                         |
| 12   | 670 | 360 | 231   | 670 | G1/2 | 5                         |
| 13   | 772 | 405 | 288.5 | 714 | G1/2 | 10                        |
| 14   | 842 | 405 | 288.5 | 714 | G1/2 | 10                        |
| 15   | 883 | 405 | 326   | 774 | G1/2 | 10                        |
| 16   | 925 | 405 | 326   | 774 | G1/2 | 10                        |
| 17   | 929 | 405 | 356   | 849 | G1/2 | 14                        |
| 18   | 989 | 405 | 356   | 849 | G1/2 | 14                        |

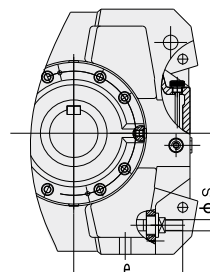
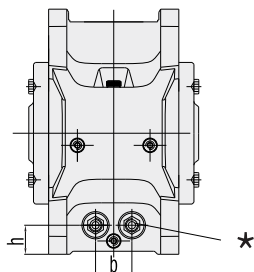
**16.3 齿轮箱内置冷却  
盘管(附件代号:UC21)**

**1)卧式安装**

**16.3 Cooling coil  
(Accessory code:UC21)**

**1)Horizontal mounting**

H2..H,H3..H,B2..H,B3..H



| Type | H2..H / B3..H |       |     |      |                        | H3..H |       |     |      |                        | B2..H |       |     |      |                        |
|------|---------------|-------|-----|------|------------------------|-------|-------|-----|------|------------------------|-------|-------|-----|------|------------------------|
|      | b             | e     | h   | s    | Water quantity (L/min) | b     | e     | h   | s    | Water quantity (L/min) | b     | e     | h   | s    | Water quantity (L/min) |
| 04   | 60            | 192   | 48  | G1/2 | 6                      | -     | -     | -   | -    | -                      | 60    | 192   | 48  | G1/2 | 10                     |
| 05   | 70            | 206   | 64  | G1/2 | 6                      | 70    | 200   | 64  | G1/2 | 6                      | 70    | 211   | 64  | G1/2 | 10                     |
| 06   | 70            | 254   | 55  | G1/2 | 6                      | 70    | 246   | 55  | G1/2 | 6                      | 70    | 253   | 55  | G1/2 | 10                     |
| 07   | 70            | 236   | 80  | G1/2 | 6                      | 70    | 236   | 80  | G1/2 | 6                      | 70    | 241   | 80  | G1/2 | 10                     |
| 08   | 70            | 283   | 75  | G1/2 | 6                      | 70    | 283   | 75  | G1/2 | 6                      | 70    | 293   | 75  | G1/2 | 10                     |
| 09   | 70            | 267.5 | 70  | G1/2 | 10                     | 70    | 267.5 | 70  | G1/2 | 6                      | 70    | 267.5 | 70  | G1/2 | 10                     |
| 10   | 70            | 316   | 70  | G1/2 | 10                     | 70    | 316   | 70  | G1/2 | 6                      | 70    | 316   | 70  | G1/2 | 10                     |
| 11   | 70            | 296   | 90  | G1/2 | 10                     | 70    | 296   | 90  | G1/2 | 10                     | 70    | 302   | 90  | G1/2 | 10                     |
| 12   | 70            | 381   | 90  | G1/2 | 10                     | 70    | 381   | 90  | G1/2 | 10                     | 70    | 386   | 90  | G1/2 | 10                     |
| 13   | 150           | 386   | 120 | G1/2 | 10                     | 150   | 386   | 120 | G1/2 | 10                     | 150   | 386   | 120 | G1/2 | 10                     |
| 14   | 150           | 456   | 120 | G1/2 | 10                     | 150   | 446   | 120 | G1/2 | 10                     | 150   | 446   | 120 | G1/2 | 10                     |
| 15   | 200           | 439   | 120 | G1/2 | 10                     | 200   | 424   | 120 | G1/2 | 10                     | 200   | 424   | 120 | G1/2 | 10                     |
| 16   | 200           | 494   | 120 | G1/2 | 10                     | 200   | 494   | 120 | G1/2 | 10                     | 200   | 494   | 120 | G1/2 | 10                     |
| 17   | /             | /     | /   | /    | /                      | /     | /     | /   | /    | /                      | /     | /     | /   | /    | /                      |
| 18   | /             | /     | /   | /    | /                      | /     | /     | /   | /    | /                      | /     | /     | /   | /    | /                      |

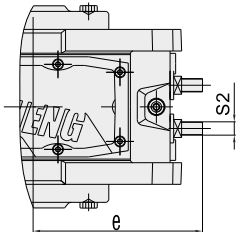
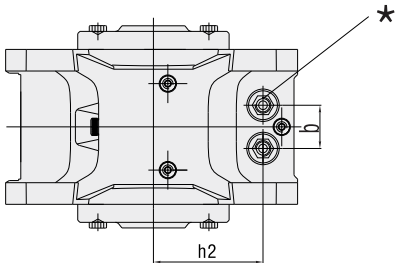
★ 冷却盘管接口尺寸

★ Cooling coil water connection

2)立式安装

2)Vertical mounting

H2..V,H3..V,B2..V,B3..V



| Type | H2..V / B3..V |       |     |      |                        | H3..V |       |     |      |                        | B2..V |       |     |      |                        |
|------|---------------|-------|-----|------|------------------------|-------|-------|-----|------|------------------------|-------|-------|-----|------|------------------------|
|      | b             | e     | h2  | s2   | Water quantity (L/min) | b     | e     | h2  | s2   | Water quantity (L/min) | b     | e     | h2  | s2   | Water quantity (L/min) |
| 04   | 60            | 192   | 152 | G1/2 | 6                      | -     | -     | -   | -    | -                      | 60    | 192   | 152 | G1/2 | 10                     |
| 05   | 70            | 206   | 166 | G1/2 | 6                      | 70    | 200   | 166 | G1/2 | 6                      | 70    | 211   | 166 | G1/2 | 10                     |
| 06   | 70            | 254   | 175 | G1/2 | 6                      | 70    | 246   | 175 | G1/2 | 6                      | 70    | 253   | 175 | G1/2 | 10                     |
| 07   | 70            | 236   | 200 | G1/2 | 6                      | 70    | 236   | 200 | G1/2 | 6                      | 70    | 241   | 200 | G1/2 | 10                     |
| 08   | 70            | 283   | 205 | G1/2 | 6                      | 70    | 283   | 205 | G1/2 | 6                      | 70    | 293   | 205 | G1/2 | 10                     |
| 09   | 70            | 267.5 | 250 | G1/2 | 10                     | 70    | 267.5 | 250 | G1/2 | 6                      | 70    | 267.5 | 250 | G1/2 | 10                     |
| 10   | 70            | 316   | 250 | G1/2 | 10                     | 70    | 316   | 250 | G1/2 | 6                      | 70    | 316   | 250 | G1/2 | 10                     |
| 11   | 70            | 296   | 290 | G1/2 | 10                     | 70    | 296   | 290 | G1/2 | 10                     | 70    | 302   | 290 | G1/2 | 10                     |
| 12   | 70            | 381   | 290 | G1/2 | 10                     | 70    | 381   | 290 | G1/2 | 10                     | 70    | 386   | 290 | G1/2 | 10                     |
| 13   | 150           | 386   | 120 | G1/2 | 10                     | 150   | 386   | 120 | G1/2 | 10                     | 150   | 386   | 120 | G1/2 | 10                     |
| 14   | 150           | 456   | 120 | G1/2 | 10                     | 150   | 446   | 120 | G1/2 | 10                     | 150   | 446   | 120 | G1/2 | 10                     |
| 15   | 200           | 439   | 120 | G1/2 | 10                     | 200   | 424   | 120 | G1/2 | 10                     | 200   | 424   | 120 | G1/2 | 10                     |
| 16   | 200           | 494   | 120 | G1/2 | 10                     | 200   | 494   | 120 | G1/2 | 10                     | 200   | 494   | 120 | G1/2 | 10                     |
| 17   | /             | /     | /   | /    | /                      | /     | /     | /   | /    | /                      | /     | /     | /   | /    | /                      |
| 18   | /             | /     | /   | /    | /                      | /     | /     | /   | /    | /                      | /     | /     | /   | /    | /                      |

★ 冷却盘管接口尺寸

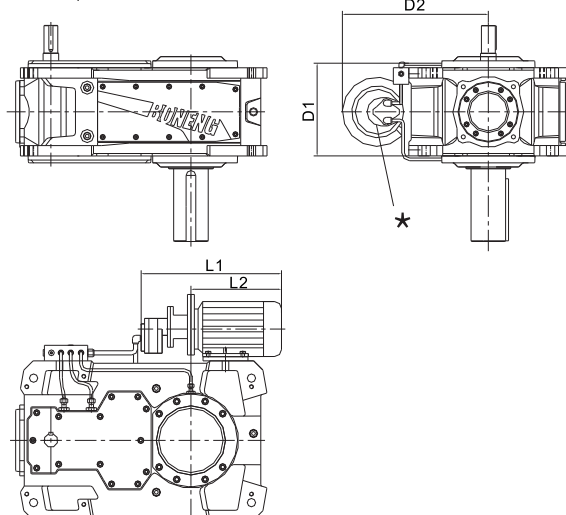
★ Cooling coil water connection

| 类别<br>Type | 冷却盘管适用于<br>Cooling coil is appropriate for |                   |                                                 |             |                                      |              |                                         |  |
|------------|--------------------------------------------|-------------------|-------------------------------------------------|-------------|--------------------------------------|--------------|-----------------------------------------|--|
|            | 机座号<br>Size                                | 补偿油箱<br>浸油润滑      | Compensation,<br>oil tank dip-in<br>lubrication | 法兰泵强<br>制润滑 | Flange pump<br>forced<br>lubrication | 电机油泵<br>强制润滑 | Motor oil<br>pump forced<br>lubrication |  |
|            |                                            | 适用布置<br>形式        | Applicable shaft<br>assemblies                  | 适用布置<br>形式  | Applicable shaft<br>assemblies       | 适用布置<br>形式   | Applicable shaft<br>assemblies          |  |
| H2. . V    | 04 - 12                                    | A+B+C+D+E+F+G+H+I |                                                 | B+D+F+H     |                                      | B+D+F+H      |                                         |  |
| H3. . V    | 05 - 12                                    | A+B+C+D+E+F+G+H+I |                                                 | B+D+F+H     |                                      | B+D+F+H      |                                         |  |
| B2. . V    | 04 - 12                                    | A+B+C+D+E+F       |                                                 | C+D+F       |                                      | C+D+F        |                                         |  |
| B3. . V    | 04 - 12                                    | A+B+C+D+E+F       |                                                 | C+D+F       |                                      | C+D+F        |                                         |  |
| H2. . V    | 13 - 18                                    |                   |                                                 | B+D+F+H     |                                      | B+D+F+H      |                                         |  |
| H3. . V    | 13 - 18                                    |                   |                                                 | B+D+F+H     |                                      | B+D+F+H      |                                         |  |
| B2. . V    | 13 - 18                                    |                   |                                                 | C+D+F       |                                      | C+D+F        |                                         |  |
| B3. . V    | 13 - 18                                    |                   |                                                 | C+D+F       |                                      | C+D+F        |                                         |  |



# 16.4 电机油泵强制 润滑(附件代号:US32)

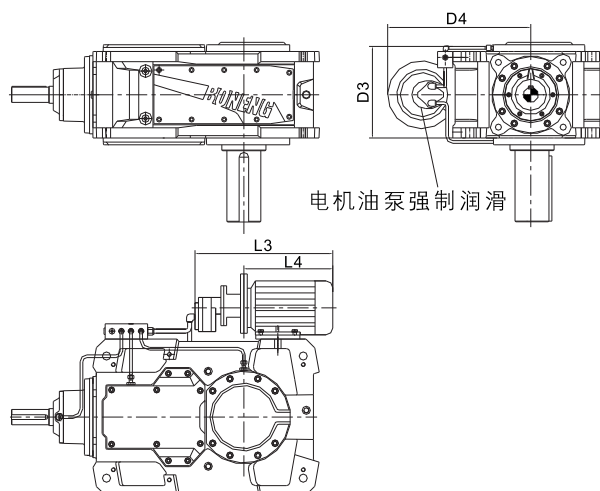
H3..V,H4..V



★ 电机油泵强制润滑

# 16.4 Motor oil pump forced lubrication(Accessory code:US32)

B2..V,B3..V,B4..V



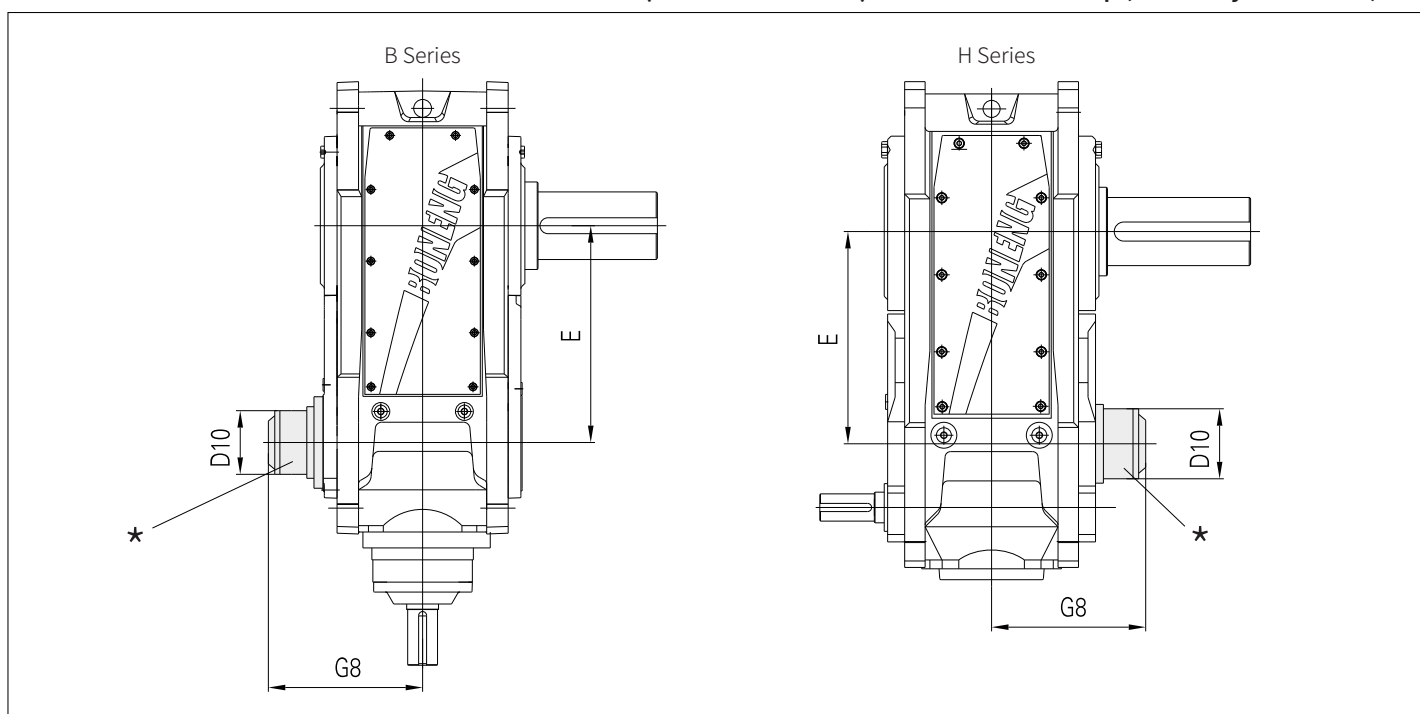
★ Motor oil pumpforced  
lubrication

| Mounting dimension |       |                   |         |     |     |     |
|--------------------|-------|-------------------|---------|-----|-----|-----|
| Type               | Size  | Shaft assemblies  | L2      | L1  | D2  | D1  |
| H2...V             | 04    | A+B+C+D+E+F+G+H+I | 210     | 356 | 361 | 228 |
|                    | 05/06 | A+B+C+D+E+F+G+H+I | 262/307 | 406 | 422 | 268 |
|                    | 07/08 | A+B+C+D+E+F+G+H+I | 292/352 | 406 | 472 | 315 |
|                    | 09/10 | A+B+C+D+E+F+G+H+I | 317/367 | 406 | 512 | 383 |
|                    | 11/12 | A+B+C+D+E+F+G+H+I | 342/406 | 406 | 572 | 448 |
| H3...V             | 05/06 | A+B+C+D+E+F+G+H+I | 262/307 | 406 | 422 | 268 |
|                    | 07/08 | A+B+C+D+E+F+G+H+I | 292/352 | 406 | 472 | 315 |
|                    | 09/10 | A+B+C+D+E+F+G+H+I | 317/367 | 406 | 512 | 383 |
| H4...V             | 07/08 | A+B+C+D+E+F+G+H+I | 292/352 | 406 | 472 | 315 |
|                    | 09/10 | A+B+C+D+E+F+G+H+I | 317/367 | 406 | 512 | 383 |
|                    | 11/12 | A+B+C+D+E+F+G+H+I | 342/406 | 406 | 572 | 448 |
| H2...V             | 13/14 | A+B+C+D+E+F+G+H+I | 484/554 | 456 | 642 | 566 |
|                    | 15/16 | A+B+C+D+E+F+G+H+I | 544/589 | 456 | 702 | 640 |
|                    | 17/18 | A+B+C+D+E+F+G+H+I | 569/629 | 460 | 752 | 701 |
| H3...V             | 13/14 | A+B+C+D+E+F+G+H+I | 484/554 | 456 | 642 | 566 |
|                    | 15/16 | A+B+C+D+E+F+G+H+I | 544/589 | 456 | 702 | 640 |
|                    | 17/18 | A+B+C+D+E+F+G+H+I | 569/629 | 460 | 752 | 701 |
| H4...V             | 13/14 | A+B+C+D+E+F+G+H+I | 484/554 | 456 | 642 | 566 |
|                    | 15/16 | A+B+C+D+E+F+G+H+I | 544/589 | 456 | 702 | 640 |
|                    | 17/18 | A+B+C+D+E+F+G+H+I | 569/629 | 460 | 752 | 701 |

| Mounting dimension |       |                   |         |     |     |     |
|--------------------|-------|-------------------|---------|-----|-----|-----|
| Type               | Size  | Shaft assemblies  | L4      | L3  | D4  | D3  |
| B2...V             | 04    | A+B+C+D+E+F+G+H+I | 210     | 356 | 361 | 263 |
|                    | 05/06 | A+B+C+D+E+F+G+H+I | 262/307 | 406 | 422 | 313 |
|                    | 07/08 | A+B+C+D+E+F+G+H+I | 292/352 | 406 | 472 | 370 |
|                    | 09/10 | A+B+C+D+E+F+G+H+I | 317/367 | 406 | 512 | 438 |
|                    | 11/12 | A+B+C+D+E+F+G+H+I | 342/406 | 406 | 572 | 513 |
| B3...V             | 04    | A+B+C+D+E+F+G+H+I | 210     | 356 | 361 | 228 |
|                    | 05/06 | A+B+C+D+E+F+G+H+I | 262/307 | 406 | 422 | 268 |
|                    | 07/08 | A+B+C+D+E+F+G+H+I | 292/352 | 406 | 472 | 315 |
|                    | 09/10 | A+B+C+D+E+F+G+H+I | 317/367 | 406 | 512 | 383 |
|                    | 11/12 | A+B+C+D+E+F+G+H+I | 342/406 | 406 | 572 | 448 |
| B4...V             | 05/06 | A+B+C+D+E+F+G+H+I | 262/307 | 406 | 422 | 268 |
|                    | 07/08 | A+B+C+D+E+F+G+H+I | 292/352 | 406 | 472 | 315 |
|                    | 09/10 | A+B+C+D+E+F+G+H+I | 317/367 | 406 | 512 | 383 |
|                    | 11/12 | A+B+C+D+E+F+G+H+I | 342/406 | 406 | 572 | 448 |
| B2...V             | 13/14 | A+B+C+D+E+F+G+H+I | 484/554 | 456 | 642 | 566 |
|                    | 15/16 | A+B+C+D+E+F+G+H+I | 544/589 | 456 | 702 | 640 |
|                    | 17/18 | A+B+C+D+E+F+G+H+I | 569/629 | 460 | 752 | 701 |
| B3...V             | 13/14 | A+B+C+D+E+F+G+H+I | 484/554 | 456 | 642 | 566 |
|                    | 15/16 | A+B+C+D+E+F+G+H+I | 544/589 | 456 | 702 | 640 |
|                    | 17/18 | A+B+C+D+E+F+G+H+I | 569/629 | 460 | 752 | 701 |
| B4...V             | 13/14 | A+B+C+D+E+F+G+H+I | 484/554 | 456 | 642 | 566 |
|                    | 15/16 | A+B+C+D+E+F+G+H+I | 544/589 | 456 | 702 | 640 |
|                    | 17/18 | A+B+C+D+E+F+G+H+I | 569/629 | 460 | 752 | 701 |

16.5逆止器(附件代号:UB11)

16.5 Backstop (Accessory code Ub11)



★ 逆止器

★ Backstop

| Size  | 04  |       |     | 05  |       |       | 06  |       |       | 07  |     |     | 08  |     |     |
|-------|-----|-------|-----|-----|-------|-------|-----|-------|-------|-----|-----|-----|-----|-----|-----|
|       | D10 | G8    | E   | D10 | G8    | E     | D10 | G8    | E     | D10 | G8  | E   | D10 | G8  | E   |
| B2    | 175 | 218   | 177 | 190 | 250   | 201   | 190 | 250   | 240   | 230 | 298 | 240 | 230 | 298 | 280 |
| B3    | 125 | 190.5 | 270 | 150 | 215.5 | 315   | 150 | 215.5 | 350   | 175 | 256 | 385 | 175 | 256 | 430 |
| B4/H4 |     |       |     | 95  | 208.5 | 405   | 95  | 208.5 | 440   | 125 | 243 | 495 | 125 | 243 | 540 |
| H3    |     |       |     | 150 | 215.5 | 311.5 | 150 | 215.5 | 346.5 | 175 | 256 | 375 | 175 | 256 | 420 |

| Size  | 09  |     |     | 10  |     |     | 11  |     |     | 12  |     |     | 13  |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|       | D10 | G8  | E   | D10 | G8  | E   | D10 | G8  | E   | D10 | G8  | E   | D10 | G8  | E   |
| B2    | 290 | 353 | 280 | 290 | 353 | 340 | 322 | 394 | 340 | 322 | 394 | 390 |     |     |     |
| B3    | 190 | 298 | 450 | 190 | 298 | 500 | 230 | 355 | 545 | 230 | 355 | 615 | 290 | 426 | 635 |
| B4/H4 | 125 | 271 | 580 | 125 | 271 | 630 | 150 | 313 | 705 | 150 | 313 | 775 | 175 | 373 | 820 |
| H3    | 190 | 298 | 440 | 190 | 298 | 490 | 230 | 355 | 530 | 230 | 355 | 600 | 290 | 426 | 610 |

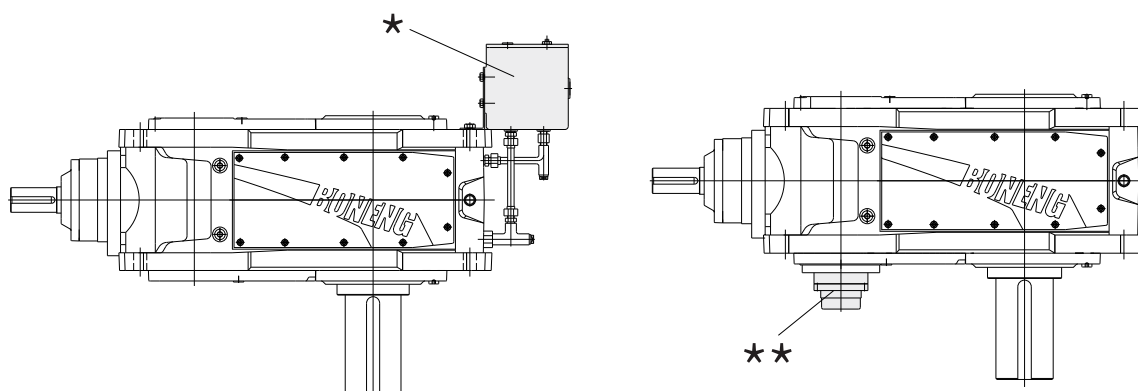
| Size  | 14  |     |     | 15  |     |     | 16  |     |      | 17  |     |      | 18  |     |      |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|------|-----|-----|------|
|       | D10 | G8  | E   | D10 | G8  | E   | D10 | G8  | E    | D10 | G8  | E    | D10 | G8  | E    |
| B3    | 290 | 426 | 705 | 310 | 472 | 762 | 310 | 472 | 808  | 310 | 498 | 860  | 310 | 498 | 920  |
| B4/H4 | 175 | 373 | 890 | 230 | 465 | 987 | 230 | 465 | 1033 | 230 | 495 | 1035 | 230 | 495 | 1095 |
| H3    | 290 | 426 | 680 | 310 | 472 | 731 | 310 | 472 | 777  | 310 | 502 | 779  | 310 | 502 | 839  |

注: 旋转方向是指面向输出轴时输出轴的旋转方向。

Note: The rotation direction is the direction of output shaft while face the output shaft.

16.6 补偿油箱(附件代号:US33)  
与轴端油泵(附件代号:US31)

16.6 Oil compensating tank  
(Accessory code:US33)and shaft  
end oil pump (Accessory code:US31)



★ 补偿油箱  
★★ 轴端油泵  
选型时需提供输入转速

★ Oil compensating tank  
★★ Shaft end oil pump Running speed should  
be provided for selection

| 输入转速限制  |       | Input speed limit |      |
|---------|-------|-------------------|------|
| Type    | Size  | US33              | US31 |
|         |       | n1<               | n1>  |
| H2. . V | 04-12 | 1500              | 900  |
| H3. . V | 05-12 | 1500              | 1200 |
| H4. . V | 07-12 | 1800              | 1200 |
| B2. . V | 04-12 | 1500              | 1200 |
| B3. . V | 04-12 | 1500              | 1200 |
| B4. . V | 05-12 | 1800              | 1200 |

## 16.7 润滑油

### 16.7.1 油量表

## 16.7 Lubrication oil

### 16.7.1 Oil quantity

| Oil Quantity Table (L) |       |       |       |       |       |       |       |    |       |    |       |    |       |    |       |    |       |    |
|------------------------|-------|-------|-------|-------|-------|-------|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|
| Size                   | H2..H | H3..H | H4..H | B2..H | B3..H | B4..H | H2..V |    | H3..V |    | H4..V |    | B2..V |    | B3..V |    | B4..V |    |
|                        | ①     | ①     | ①     | ①     | ①     | ①     | ②     | ③  | ②     | ③  | ②     | ③  | ②     | ③  | ②     | ③  | ②     | ③  |
| 04                     | 10    | —     | —     | 10    | 9     | —     | 25    | —  | —     | —  | —     | —  | 28    | —  | 28    | —  | —     | —  |
| 05                     | 15    | 15    | —     | 16    | 14    | 16    | 23    | 10 | 35    | 13 | —     | —  | 41    | 20 | 32    | 12 | 36    | 15 |
| 06                     | 16    | 17    | —     | 19    | 15    | 18    | 27    | 11 | 37    | 15 | —     | —  | 50    | 23 | 35    | 13 | 40    | 16 |
| 07                     | 27    | 28    | 25    | 31    | 25    | 30    | 58    | 22 | 60    | 25 | 50    | 20 | 75    | 35 | 52    | 22 | 60    | 30 |
| 08                     | 30    | 30    | 27    | 34    | 28    | 33    | 62    | 25 | 72    | 30 | 60    | 25 | 90    | 38 | 67    | 28 | 70    | 35 |
| 09                     | 42    | 45    | 48    | 48    | 40    | 48    | 100   | 42 | 100   | 40 | 95    | 38 | 115   | 53 | 115   | 48 | 110   | 60 |
| 10                     | 45    | 46    | 50    | 50    | 42    | 50    | 110   | 46 | 110   | 45 | 110   | 45 | 135   | 60 | 125   | 52 | 130   | 67 |
| 11                     | 71    | 85    | 80    | 80    | 66    | 80    | 160   | 60 | 170   | 66 | 165   | 65 | 190   | 86 | 180   | 75 | 180   | 75 |
| 12                     | 76    | 90    | 87    | 95    | 72    | 90    | 180   | 70 | 190   | 75 | 180   | 75 | 215   | 95 | 200   | 85 | 195   | 85 |

| Oil Quantity Table (L) |       |       |       |       |       |       |       |       |       |       |       |       |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Size                   | H2..H | H3..H | H4..H | B2..H | B3..H | B4..H | H2..V | H3..V | H4..V | B2..V | B3..V | B4..V |
|                        | ①     | ①     | ①     | ①     | ①     | ①     | ③     | ③     | ③     | ③     | ③     | ③     |
| 13                     | 135   | 160   | 130   | 140   | 130   | 145   | 80    | 115   | 95    | 100   | 95    | 130   |
| 14                     | 140   | 165   | 140   | 155   | 140   | 150   | 90    | 126   | 105   | 110   | 110   | 150   |
| 15                     | 210   | 235   | 230   | 220   | 210   | 230   | 140   | 180   | 150   | 145   | 165   | 200   |
| 16                     | 215   | 245   | 235   | 230   | 220   | 235   | 150   | 190   | 160   | 160   | 190   | 235   |
| 17                     | 290   | 305   | 290   | 320   | 290   | 295   | 175   | 190   | 190   | 210   | 210   | 215   |
| 18                     | 300   | 315   | 305   | 335   | 300   | 305   | 185   | 200   | 200   | 220   | 240   | 250   |

| Oil Quantity Table (L) |       |       |       |       |       |       |
|------------------------|-------|-------|-------|-------|-------|-------|
| Size                   | H2..H | H3..H | H4..H | B2..H | B3..H | B4..H |
|                        | ①     | ①     | ①     | /     | ①     | ①     |
| 19                     | 320   | 420   | 360   | /     | 380   | 480   |
| 20                     | 340   | 450   | 380   | /     | 440   | 550   |
| 21                     | 370   | 500   | 440   | /     | 460   | 600   |
| 22                     | 400   | 560   | 480   | /     | 490   | 650   |
| 23                     | 430   | 620   | 520   | /     | 530   | 710   |
| 24                     | 450   | 650   | 550   | /     | 600   | 810   |
| 25                     | 640   | 880   | 735   | /     | 760   | 1000  |
| 26                     | 680   | 935   | 780   | /     | 880   | 1150  |

注: 1.①油池飞溅润滑;②浸油润滑;③强制润滑。  
2.以上数据为平均值。

Note: 1.①Oil tank splash lubrication; ②Dip-in lubrication; ③Forced lubrication.  
2.The above data are average values.

### 16.7.2 润滑油(重负荷工业 齿轮油)粘度牌号选用

[VG320(附件代号:UV32)]

### 16.7.2 Lubrication oil (heavy-loading industrial gear oil) viscosity number selection

[VG320(Accessory code:UV32)]

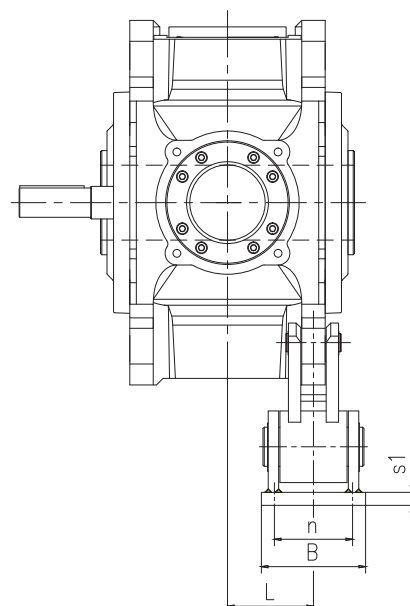
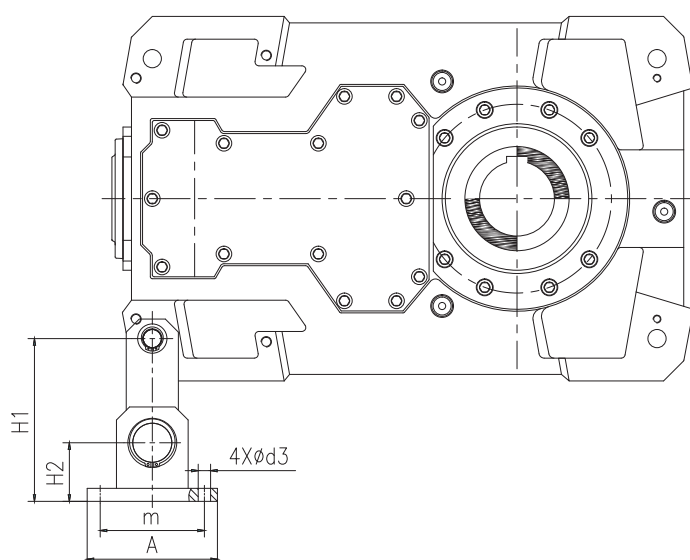
|            |            |                          |             |  |
|------------|------------|--------------------------|-------------|--|
| 环境<br>温度°C | 环境<br>温度°C | Ambient<br>temperature°C | -20°C~+40°C |  |
| 粘度<br>牌号   | 粘度<br>牌号   | Viscosity<br>number      | VG320       |  |

注: 1.上表中粘度牌号为40C温度下的ISO-VG粘度。  
2.环境温度低于-10C必须使用合成油。  
3.为保证产品寿命,实际使用中建议使用合成油。  
4.若环境温度超出上述范围,敬请垂询。

Note: 1.Viscosity in the above table is ISO-VG Viscosity under 40 C  
2.When ambient temperature is lower than-10°C,synthetic oil must be used.  
3.To ensure product lifespan, we suggest synthetic oil.  
4.If ambient temperature exceeds the above range, please consult.

16.8 扭力臂(附件代号:UT61)

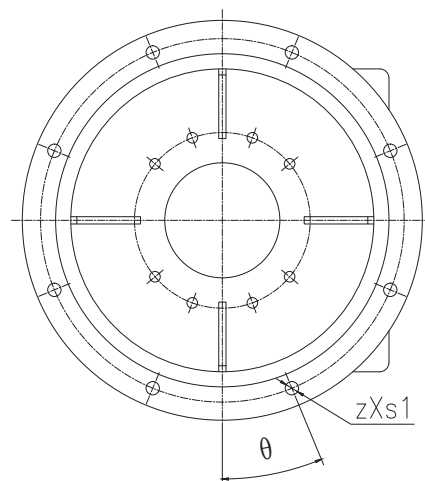
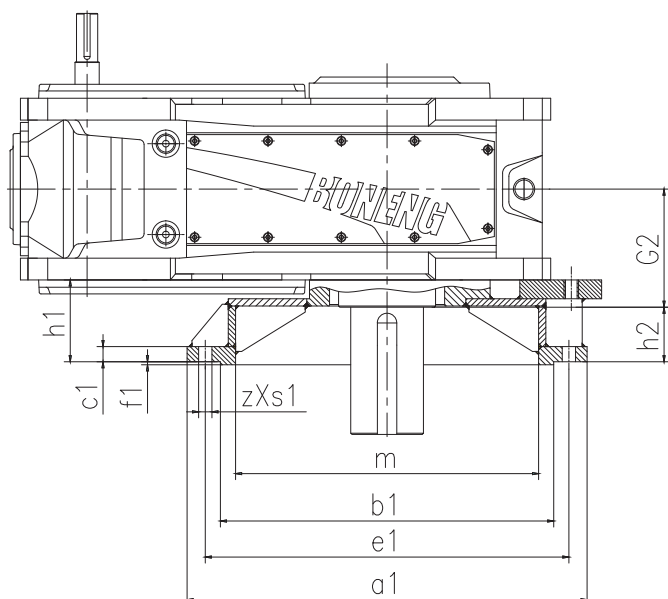
16.8 Torque arm (Code:UT61)



| Size | A   | B   | $\Phi d3$ | H1  | H2  | m   | n   | s1 | L     |                | Weight (kg) |
|------|-----|-----|-----------|-----|-----|-----|-----|----|-------|----------------|-------------|
|      |     |     |           |     |     |     |     |    | B2    | B3/B4/H2/H3/H4 |             |
| 04   | 160 | 110 | 19        | 200 | 65  | 120 | 70  | 15 | 120   | 92.5           | 7.4         |
| 05   | 160 | 110 | 19        | 200 | 65  | 120 | 70  | 15 | 145   | 112.5          | 7.6         |
| 06   | 160 | 110 | 19        | 200 | 65  | 120 | 70  | 15 | 145   | 112.5          | 7.6         |
| 07   | 200 | 160 | 19        | 250 | 90  | 160 | 120 | 20 | 172   | 132            | 19.9        |
| 08   | 200 | 160 | 19        | 250 | 90  | 160 | 120 | 20 | 172   | 132            | 19.9        |
| 09   | 200 | 160 | 19        | 250 | 90  | 160 | 120 | 20 | 196   | 162.5          | 19.3        |
| 10   | 200 | 160 | 19        | 250 | 90  | 160 | 120 | 20 | 196   | 162.5          | 19.3        |
| 11   | 320 | 280 | 19        | 360 | 130 | 260 | 130 | 25 | 238   | 188            | 53.6        |
| 12   | 320 | 280 | 19        | 360 | 130 | 260 | 130 | 25 | 238   | 188            | 53.6        |
| 13   | 320 | 280 | 19        | 360 | 130 | 260 | 130 | 25 | 272.5 | 220            | 73.1        |
| 14   | 320 | 280 | 19        | 360 | 130 | 260 | 130 | 25 | 272.5 | 220            | 73.1        |
| 15   | 400 | 300 | 24        | 455 | 160 | 320 | 240 | 30 | 317.5 | 247.5          | 117.7       |
| 16   | 400 | 300 | 24        | 455 | 160 | 320 | 240 | 30 | 317.5 | 247.5          | 117.7       |
| 17   | 400 | 300 | 24        | 455 | 160 | 320 | 240 | 30 | 370   | 272.5          | 117.7       |
| 18   | 400 | 300 | 24        | 455 | 160 | 320 | 240 | 30 | 370   | 272.5          | 117.7       |

**16.9 输出安装法兰**  
(附件代号:UF32)

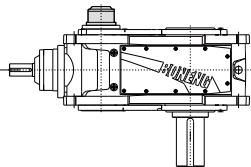
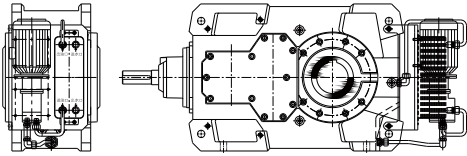
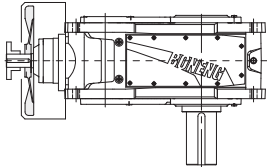
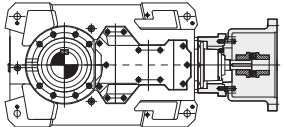
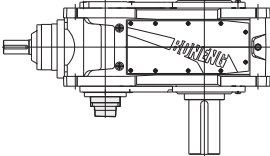
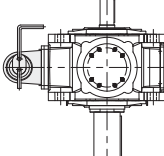
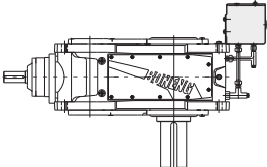
**16.9 Outpt mounting flange**  
(Code:UF32)



| Size | a1   | b1    | c1   | e1   | f1 | G2  | h2   | m   | θ      | zxs1      | h1   |                | Weight<br>(kg) |
|------|------|-------|------|------|----|-----|------|-----|--------|-----------|------|----------------|----------------|
|      |      |       |      |      |    |     |      |     |        |           | B2   | B3/B4/H2/H3/H4 |                |
| 04   | 450  | 350f7 | 24.5 | 400  | 5  | 140 | 50   | 300 | 22.5°  | 8x φ 17.5 | 75   | 82.5           | 36             |
| 05   | 550  | 450f7 | 25   | 500  | 5  | 165 | 52.5 | 420 | 22.5°  | 8x φ 17.5 | 77.5 | 90             | 48             |
| 06   | 550  | 450f7 | 25   | 500  | 5  | 165 | 52.5 | 420 | 22.5°  | 8x φ 17.5 | 77.5 | 90             | 52             |
| 07   | 660  | 550f7 | 25   | 600  | 5  | 195 | 90   | 500 | 22.5°  | 8x φ 22   | 120  | 135            | 81             |
| 08   | 660  | 550f7 | 30   | 600  | 5  | 195 | 90   | 500 | 22.5°  | 8x φ 22   | 120  | 135            | 81             |
| 09   | 660  | 550f7 | 29   | 600  | 6  | 235 | 84   | 500 | 15°    | 12x φ 22  | 114  | 134            | 98             |
| 10   | 660  | 550f7 | 34   | 600  | 6  | 235 | 84   | 500 | 15°    | 12x φ 26  | 114  | 134            | 102            |
| 11   | 800  | 680f7 | 44   | 740  | 6  | 270 | 129  | 620 | 15°    | 12x φ 26  | 169  | 184            | 182            |
| 12   | 800  | 680f7 | 44   | 740  | 6  | 270 | 129  | 620 | 15°    | 12x φ 26  | 169  | 184            | 226            |
| 13   | 840  | 650f7 | 50   | 760  | 5  | 335 | 37.5 | 450 | 15°    | 12xM30    | 77.5 | 100            | 245            |
| 14   | 840  | 650f7 | 50   | 760  | 5  | 335 | 37.5 | 480 | 15°    | 12xM30    | 77.5 | 100            | 255            |
| 15   | 960  | 750f7 | 50   | 880  | 5  | 380 | 30   | 530 | 11.25° | 16xM30    | 65   | 100            | 315            |
| 16   | 960  | 750f7 | 50   | 880  | 5  | 380 | 30   | 540 | 11.25° | 16xM30    | 65   | 100            | 325            |
| 17   | 1100 | 850f7 | 57   | 1000 | 8  | 415 | 62   | 540 | 11.25° | 16xM36    | 107  | 137            | 595            |
| 18   | 1100 | 850f7 | 57   | 1000 | 8  | 415 | 62   | 540 | 11.25° | 16xM36    | 107  | 137            | 605            |

16.10 附件代号一览表

16.10 Accessories code table

| 代号 Code | 附件 Accessories                                        | 示例 Example                                                                            |
|---------|-------------------------------------------------------|---------------------------------------------------------------------------------------|
| UB11    | 逆止器 Backstop                                          |    |
| UC22    | 水油冷却器 Water-Oil cooler                                |     |
| UF21    | 冷却风扇 Cooling fan                                      |    |
| UF31    | 输入连接法兰 Input connection flange                        |   |
| US31    | 轴端油泵强制润滑 Shaft end oil pump forced lubrication        |  |
| US32    | 电机油泵强制润滑 Motor oil pump forced lubrication            |  |
| US33    | 补偿油箱浸油润滑 Oil compensation tank dip-in oil lubrication |  |
| UV32    | 润滑油 VG320 Lubrication oil VG320                       |                                                                                       |

| 代号 Code                | 附件 Accessories | 示例 Example                           |
|------------------------|----------------|--------------------------------------|
| 敬请垂询<br>Please consult | 扭力臂<br>UT61    | Torque arm<br>UT61                   |
|                        | 齿轮箱浮动底座        | Gear box swing base                  |
|                        | 浮动底座扭力臂        | Swing base with torque arm           |
|                        | 安装法兰<br>UF32   | Mounting flange UF32                 |
|                        | 外置风冷式油冷却器UC23  | External wind air-oil cooler UC23    |
|                        | 配管路(客户带稀油站)    | Pipeline(Customer build oil station) |
|                        | 配稀油站           | Oil station                          |
|                        | 竖直安装           | Upright mounting                     |
|                        | 电加热器           | Electric heater                      |
|                        | 其他类型的轴封        | Shaft sealing of other categories    |

随着技术迭代进步，博能产品样本将会同步更新，请见谅。  
Along with the technology advancedet.,the product of the manual of Boneng will be changed,please forgive.



博能产品集成图

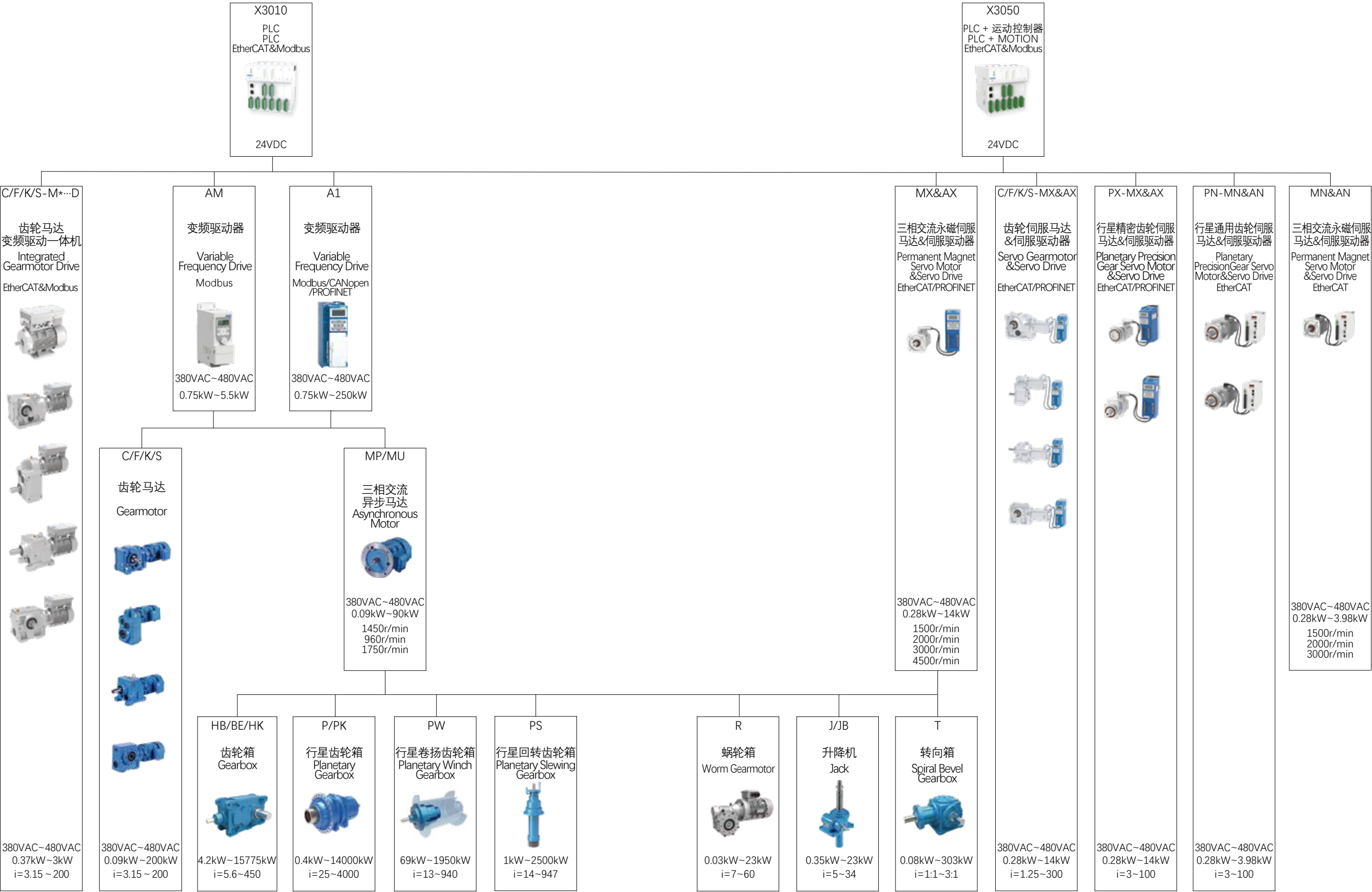
Boneng Product Integration Diagram

CONTROL  
控制层

DRIVE  
驱动层

MOTOR  
马达层

GEAR  
齿轮层



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