

# YFH YFB SERIES

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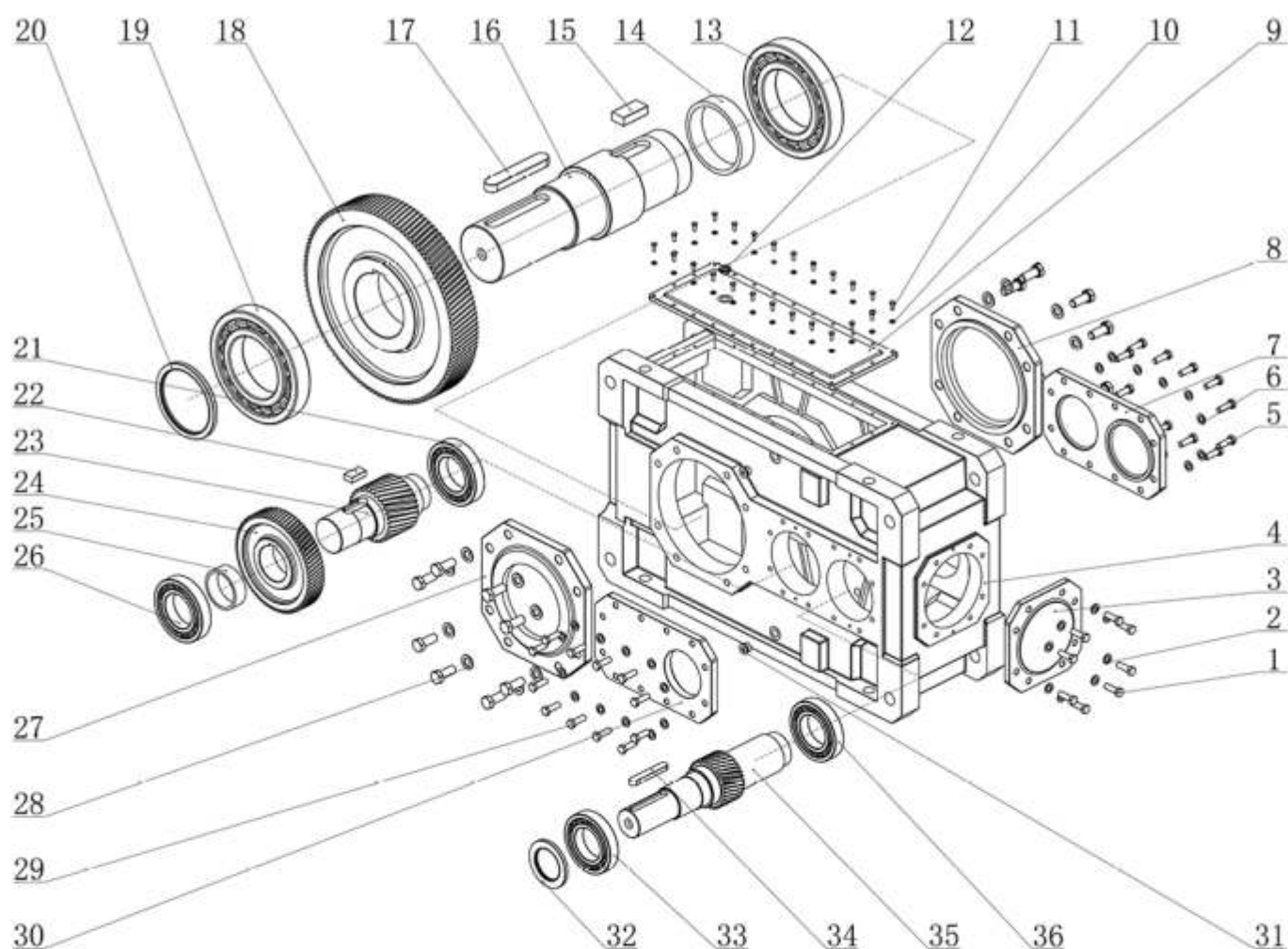


★ 三层高密分子涂漆，  
隔绝灰尘更耐高温。

★ 高端滚珠轴承，  
减少摩擦提升传动效率。

★ 优质合金钢精密磨齿，  
提高啮合精度保证品质。

CHINA·YANFENG  
GROUP CO.,LTD.



## H/B系列爆炸图

|      |        |         |         |
|------|--------|---------|---------|
| 1.螺栓 | 10.垫片  | 19.轴承   | 28.螺栓   |
| 2.垫片 | 11.螺栓  | 20.骨架油封 | 29.垫片   |
| 3.端盖 | 12.通气帽 | 21.轴承   | 30.端盖   |
| 4.箱体 | 13.轴承  | 22.平键   | 31.骨架油封 |
| 5.螺栓 | 14.轴套  | 23.齿轴   | 32.轴承   |
| 6.垫片 | 15.平键  | 24.齿轮   | 33.平键   |
| 7.端盖 | 16.输出轴 | 25.轴套   | 34.输入轴  |
| 8.端盖 | 17.平键  | 26.轴承   | 35.轴承   |
| 9.箱盖 | 18.齿轮  | 27.端盖   | 36.螺塞   |

# YFH、YFB系列大功率工业齿轮箱

YFH、YFB Series High Power Industrial Gear Reducer

## YFH、YFB系列大功率工业齿轮箱产品特点

Characteristics of YFH、YFB series high power industrial gear reducer

YFH、YFB系列大功率工业齿轮箱是全新型硬齿面减速机，具有大转矩范围，采用单元结构模块化设计，可卧式安装也可立式安装，有实心轴、空心轴和收缩盘空心轴输出，应用范围广，采用高强度优质合金钢渗碳淬火，具有效率高、寿命长、可承受较大轴向力和径向载荷、运行噪音低、可靠性高、结构紧凑等优点。



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## YFH、YFB系列/YFH、YFB SERIES

|                    |                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------|
| 输出转速/OUTPUT SPEED  | 1.7-1200r/mkin                                                                                      |
| 输出转矩/OUTPUT TORQUE | 高至470000Nm Up to 470000Nm                                                                           |
| 电机功率/MOTOR POWER   | 2.52-5366kW                                                                                         |
| 安装形式/MKOUNTED FORM | 底脚安装、法兰安装、轴装安装、带锁紧盘安装<br>HORIZONTAL MOUNTING、VERTICAL MOUNTING、<br>AXIS MOUTING、SHRINK DISK MOUTING |

YFH、YFB series high power industrial gear reducer is brand-new rigid tooth flank gear units with wide application areas,which has the feature of large torque range,a design of unit structure modulization capable of horizontal mounting and vertical mounting.Which has solid shaft,hollow shaft and hollow shaft with shrink disk.With carbureted hihg-strength good-quality alloy the series has the feature of high-efficiency and long lite-span,permissibet and radial loads,low noise,high reliability and compact structure and so on.

## 型号表示方法 / Type Designations

| 型号说明                                                 | 上例说明                | Explanation of types                                                                                                  | Explanation of the above example                     |
|------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| 系列类型:<br>YFH 平行轴<br>YFB 直交轴                          | 直交轴系列               | Types:<br>YFH Helical<br>YFB Bevel-helical                                                                            | Bevel-helical                                        |
| 传动级数:<br>1 一级<br>2 二级<br>3 三级<br>4 四级                | 二级传动                | Number of stages:<br>1 1-stage<br>2 2-stage<br>3 3-stage<br>4 4-stage                                                 | 2-stage                                              |
| 输出轴结构形式:<br>S 实心轴<br>H 空心轴<br>D 带胀紧盘空心轴              | 实心轴输出               | output shaft design:<br>S Solid shaft<br>H Hollow shaft<br>D Hollow shaft for shrink disk                             | Solid shaft output                                   |
| 安装方式:<br>H 卧式带底脚<br>M 卧式不带底脚<br>V 立式                 | 卧式带底脚安装             | Mounting positions<br>H Horizontal<br>M Horizontal design without feet<br>V vertical                                  | Horizontal                                           |
| 规格代号:<br>1~22号机座                                     | 10号机座号              | Size:<br>sizes 1~22                                                                                                   | Size10                                               |
| 公称传动比:<br>公称传动比 $i_n$<br>(见选型参数表)                    | 公称传动比 $i_n=2.5$     | Nominal ratio:<br>Nominal ratio in<br>(see selection table)                                                           | Nominal ratio $i_n=12.5$                             |
| 装配布置形式:<br>A、B、C、D等<br>(见213页)                       | 装配布置形式为A<br>(见213页) | Design for assemble:<br>A,B,C,D,etc<br>(see page 213)                                                                 | Design A<br>(see page 213)                           |
| 输入轴旋转方向:<br>面对输入轴方向看CW为顺<br>时针方向, CCW为逆时针方向<br>YFH省略 | 输入轴为顺时<br>针方向       | Direction of rotation of input shaft:<br>viewing on input shaft: CW-Clockwise,<br>CCW-Counter clockwise YFH s omitted | Direction of rotation of<br>input shaft is clockwise |

减 速 器  
服 务 系 数Gear Units  
Service Factor

| 表24<br>Table24          |                            | 立式安装齿轮箱供油系数。对于卧式安装齿轮箱 $f_9=1.0$ ；当采用强制润滑时， $f_9=1.05$<br>Oil supply factor for vertical gear units, For horizontal gear units $f_9=1.0$ , and in case of forced lubrication $f_9=1.05$ |                      |                               |                                          |                                              |                      |                               |                                          | $f_9$ |
|-------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------|------------------------------------------|----------------------------------------------|----------------------|-------------------------------|------------------------------------------|-------|
| 齿轮箱类型<br>Gear unit type | 供油方式<br>Oil supply         | Sizes 4 ... 12                                                                                                                                                                         |                      |                               |                                          | Sizes 13 ... 18                              |                      |                               |                                          |       |
|                         |                            | 不带辅助<br>冷却装置<br>Without<br>auxiliary cooling                                                                                                                                           | 带冷却风扇<br>With<br>fan | 带冷却盘管<br>With<br>cooling coil | 带风扇和冷却盘管<br>With<br>fan and cooling coil | 不带辅助<br>冷却装置<br>Without<br>auxiliary cooling | 带冷却风扇<br>With<br>fan | 带冷却盘管<br>With<br>cooling coil | 带风扇和冷却盘管<br>With<br>fan and cooling coil |       |
| H2.V, H3.V              | 浸油润滑<br>Dip lubrication    | 0.95                                                                                                                                                                                   | *                    | 0.95                          | *                                        | *                                            | *                    | *                             | *                                        |       |
| H4.V                    | 强制润滑<br>Forced lubrication | 1.15                                                                                                                                                                                   | *                    | 1.05                          | *                                        | 1.15                                         | *                    | 1.05                          | *                                        |       |
| B2.V, B3.V              | 浸油润滑<br>Dip lubrication    | 0.95                                                                                                                                                                                   | 0.95                 | 0.95                          | 0.95                                     | *                                            | *                    | *                             | *                                        |       |
| B4.V                    | 强制润滑<br>Forced lubrication | 1.15                                                                                                                                                                                   | 1.10                 | 1.10                          | 1.10                                     | 1.15                                         | 1.10                 | 1.10                          | 1.10                                     |       |

| 表25<br>Table25 |            | 不带辅助冷却装置减速器的热容量系数<br>Thermal capacity factors for gear units without auxiliary cooling |                                   |      |       |       |                                          |      |       |       |                           |      |       | $f_{10}$ |
|----------------|------------|----------------------------------------------------------------------------------------|-----------------------------------|------|-------|-------|------------------------------------------|------|-------|-------|---------------------------|------|-------|----------|
| 类型<br>Type     | n<br>r/min | 传动比<br>Ratio i                                                                         | 狭小空间安装*<br>Small confined spaces* |      |       |       | 室内大厅、大车间安装**<br>Large halls, workshops** |      |       |       | 室外安装***<br>In the open*** |      |       |          |
|                |            |                                                                                        | 规 格<br>Sizes                      |      |       |       | 规 格<br>Sizes                             |      |       |       | 规 格<br>Sizes              |      |       |          |
|                |            |                                                                                        | 1-6                               | 7-12 | 13-18 | 19-22 | 1-6                                      | 7-12 | 13-18 | 19-22 | 1-6                       | 7-12 | 13-18 | 19-22    |
| H1SH           | 750        | 1.25-2                                                                                 | 0.60                              | 0.57 | -     | -     | 0.77                                     | 0.73 | -     | -     | 1.00                      | 1.00 | 1.00  | -        |
|                |            | 2.24-5.6                                                                               | 0.67                              | 0.64 | 0.61  | 0.56  | 0.81                                     | 0.79 | 0.75  | 0.74  | 1.00                      | 1.00 | 1.00  | 1.00     |
|                | 1000       | 1.25-2                                                                                 | 0.55                              | -    | -     | -     | 0.72                                     | 0.63 | -     | -     | 0.99                      | 0.90 | -     | -        |
|                |            | 2.24-5.6                                                                               | 0.69                              | 0.59 | 0.53  | -     | 0.85                                     | 0.76 | 0.66  | 0.50  | 1.07                      | 0.99 | 0.92  | 0.78     |
|                | 1500       | 1.25-2                                                                                 | 0.43                              | -    | -     | -     | 0.63                                     | -    | -     | -     | 0.92                      | -    | -     | -        |
|                |            | 2.24-3.55                                                                              | 0.56                              | -    | -     | -     | 0.76                                     | 0.56 | -     | -     | 1.04                      | 0.86 | -     | -        |
| H2...<br>B2... | 750        | 4-5.6                                                                                  | 0.74                              | 0.52 | -     | -     | 0.93                                     | 0.69 | -     | -     | 1.19                      | 0.96 | 0.76  | -        |
|                |            | 5-9                                                                                    | 0.66                              | 0.58 | 0.60  | 0.60  | 0.81                                     | 0.76 | 0.74  | 0.76  | 1.00                      | 1.00 | 1.00  | 1.00     |
|                | 1000       | 10-28                                                                                  | 0.71                              | 0.68 | 0.67  | 0.68  | 0.83                                     | 0.82 | 0.81  | 0.81  | 1.00                      | 1.00 | 1.00  | 1.00     |
|                |            | 5-9                                                                                    | 0.66                              | 0.54 | 0.51  | -     | 0.83                                     | 0.69 | 0.65  | -     | 1.06                      | 0.95 | 0.90  | 0.97     |
|                | 1500       | 10-28                                                                                  | 0.75                              | 0.68 | 0.66  | 0.63  | 0.90                                     | 0.84 | 0.80  | 0.77  | 1.10                      | 1.06 | 1.03  | 0.99     |
|                |            | 5-6.3                                                                                  | 0.56                              | -    | -     | -     | 0.76                                     | 0.59 | -     | -     | 1.05                      | 0.88 | -     | -        |
|                |            | 7-9                                                                                    | 0.64                              | 0.47 | -     | -     | 0.82                                     | 0.62 | -     | -     | 1.10                      | 0.87 | 0.81  | -        |
|                |            | 10-16                                                                                  | 0.75                              | 0.56 | 0.54  | -     | 0.94                                     | 0.71 | 0.67  | -     | 1.20                      | 0.98 | 0.93  | 0.83     |
| H3...<br>B3... | 750        | 12.5-112                                                                               | 0.71                              | 0.70 | 0.70  | 0.70  | 0.83                                     | 0.83 | 0.83  | 0.82  | 1.00                      | 1.00 | 1.00  | 1.00     |
|                | 1000       | 12.5-112                                                                               | 0.76                              | 0.74 | 0.71  | 0.70  | 0.90                                     | 0.89 | 0.86  | 0.84  | 1.09                      | 1.09 | 1.07  | 1.05     |
|                | 1500       | 12.5-31.5                                                                              | 0.77                              | 0.62 | 0.54  | 0.53  | 0.96                                     | 0.82 | 0.67  | 0.65  | 1.21                      | 1.10 | 0.95  | 0.88     |
|                |            | 35.5-56                                                                                | 0.83                              | 0.78 | 0.69  | 0.64  | 1.00                                     | 0.96 | 0.87  | 0.81  | 1.23                      | 1.20 | 1.12  | 1.07     |
|                |            | 63-112                                                                                 | 0.87                              | 0.87 | 0.84  | 0.81  | 1.03                                     | 1.03 | 1.00  | 0.97  | 1.24                      | 1.24 | 1.23  | 1.20     |
| H4...<br>B4... | 750        | 80-450                                                                                 | 0.71                              | 0.72 | 0.73  | 0.73  | 0.84                                     | 0.85 | 0.85  | 0.85  | 1.00                      | 1.00 | 1.00  | 1.00     |
|                | 1000       | 80-450                                                                                 | 0.76                              | 0.77 | 0.78  | 0.78  | 0.90                                     | 0.91 | 0.91  | 0.91  | 1.09                      | 1.09 | 1.09  | 1.09     |
|                | 1500       | 80-112                                                                                 | 0.79                              | 0.82 | 0.80  | 0.72  | 0.98                                     | 0.99 | 0.98  | 0.94  | 1.21                      | 1.21 | 1.20  | 1.18     |
|                |            | 125-450                                                                                | 0.84                              | 0.86 | 0.85  | 0.85  | 1.01                                     | 1.02 | 1.01  | 1.01  | 1.23                      | 1.23 | 1.22  | 1.22     |

表26  
Table26带冷却风扇的减速器的热容量系数  
Thermal capacity factors for gear units with fan cooling

f11

| 类 型<br>Type    | n<br>r/min | 传动比i<br>Ratio i | 狭小空间安装*<br>Small confined spaces* |      |       |       | 室内大厅、大车间安装**<br>Large halls, workshops** |      |       |       | 室外安装***<br>In the open*** |      |       |       |
|----------------|------------|-----------------|-----------------------------------|------|-------|-------|------------------------------------------|------|-------|-------|---------------------------|------|-------|-------|
|                |            |                 | 规 格 Sizes                         |      |       |       | 规 格 Sizes                                |      |       |       | 规 格 Sizes                 |      |       |       |
|                |            |                 | 1-6                               | 7-12 | 13-18 | 19-22 | 1-6                                      | 7-12 | 13-18 | 19-22 | 1-6                       | 7-12 | 13-18 | 19-22 |
| H1SH           | 750        | 1.25-112        | 0.89                              | 0.93 | 0.98  | 0.98  | 0.93                                     | 0.95 | 0.99  | 0.99  | 1.00                      | 1.00 | 1.00  | 1.00  |
| H2, H3, B2, B3 | 1000       |                 | 1.07                              | 1.13 | 1.16  | 1.18  | 1.11                                     | 1.15 | 1.17  | 1.17  | 1.18                      | 1.19 | 1.19  | 1.19  |
|                | 1500       |                 | 1.41                              | 1.46 | 1.45  | 1.44  | 1.43                                     | 1.47 | 1.45  | 1.44  | 1.49                      | 1.51 | 1.46  | 1.46  |

带冷却盘管齿轮箱的热容量系数  
Thermal capacity factors for gear units with cooling Coil

| 类 型<br>Type            | n<br>r/min | 传动比i<br>Ratio i | 狭小空间安装*<br>Small confined spaces* |        |         |         |         | 室内大厅、大车间安装**<br>Large halls, workshops** |        |         |         |         | 室外安装***<br>In the open*** |        |         |         |         |  |  |  |
|------------------------|------------|-----------------|-----------------------------------|--------|---------|---------|---------|------------------------------------------|--------|---------|---------|---------|---------------------------|--------|---------|---------|---------|--|--|--|
|                        |            |                 | 规 格<br>Sizes                      |        |         |         |         | 规 格<br>Sizes                             |        |         |         |         | 规 格<br>Sizes              |        |         |         |         |  |  |  |
|                        |            |                 | 1...6                             | 7...13 | 14...16 | 17...18 | 19...26 | 1...6                                    | 7...13 | 14...16 | 17...18 | 19...26 | 1...6                     | 7...13 | 14...16 | 17...18 | 19...26 |  |  |  |
| H1SH<br>H2...<br>B2... | 750        | 1.25...28       | 0.83                              | 0.86   | 0.85    | 0.88    | ****    | 0.90                                     | 0.92   | 0.92    | 0.93    | ****    | 1.00                      | 1.00   | 1.00    | 1.00    | ****    |  |  |  |
|                        | 1000       |                 | 0.94                              | 1.00   | 0.96    | 0.96    |         | 1.04                                     | 1.05   | 1.02    | 1.02    |         | 1.15                      | 1.15   | 1.10    | 1.09    |         |  |  |  |
|                        | 1500       |                 | 1.13                              | 1.15   | 1.01    | 0.95    |         | 1.24                                     | 1.23   | 1.07    | 1.02    |         | 1.38                      | 1.34   | 1.17    | 1.11    |         |  |  |  |
| H3...<br>B3...         | 750        | 12.5...112      | 0.85                              |        |         |         | ****    | 0.92                                     |        |         |         | ****    | 1.00                      |        |         |         | ****    |  |  |  |
|                        | 1000       |                 | 0.98                              |        |         |         |         | 1.06                                     |        |         |         |         | 1.15                      |        |         |         |         |  |  |  |
|                        | 1500       |                 | 1.19                              |        |         |         |         | 1.29                                     |        |         |         |         | 1.40                      |        |         |         |         |  |  |  |

带冷却风扇和冷却盘管的齿轮箱的热容量系数  
Thermal capacity factors for gear units with fan cooling Coil

| 类 型<br>Type    | n<br>r/min | 传动比i<br>Ratio i | 狭小空间安装*<br>Small confined spaces* |        |         |         |         | 室内大厅、大车间安装**<br>Large halls, workshops** |        |         |         |         | 室外安装***<br>In the open*** |        |         |         |         |
|----------------|------------|-----------------|-----------------------------------|--------|---------|---------|---------|------------------------------------------|--------|---------|---------|---------|---------------------------|--------|---------|---------|---------|
|                |            |                 | 规 格 Sizes                         |        |         |         |         | 规 格 Sizes                                |        |         |         |         | 规 格 Sizes                 |        |         |         |         |
|                |            |                 | 1...6                             | 7...12 | 13...18 | 19...22 | 23...26 | 1...6                                    | 7...12 | 13...18 | 19...22 | 23...26 | 1...6                     | 7...12 | 13...18 | 19...22 | 23...26 |
| H1SH           | 750        | 1.25...112      | 0.93                              | 0.97   | 0.98    | ****    | ****    | 0.96                                     | 0.98   | 0.99    | ****    | ****    | 1.00                      | 1.00   | 1.00    | ****    | ****    |
| H2, H3, B2, B3 | 1000       |                 | 1.14                              | 1.19   | 1.19    |         |         | 1.16                                     | 1.20   | 1.20    |         |         | 1.20                      | 1.22   | 1.21    |         |         |
|                | 1500       |                 | 1.53                              | 1.58   | 1.53    |         |         | 1.54                                     | 1.59   | 1.54    |         |         | 1.58                      | 1.60   | 1.54    |         |         |

-)需要辅助冷却装置      -)Auxiliary cooling required

\*)风速  $\geq 1 \text{ m/s}$       \*)Wind velocity  $\geq 1 \text{ m/s}$ \*\*)风速  $\geq 2 \text{ m/s}$       \*\*)Wind velocity  $\geq 2 \text{ m/s}$ \*\*\*)风速  $\geq 4 \text{ m/s}$       \*\*\*)Wind velocity  $\geq 4 \text{ m/s}$ 

\*\*\*\*)根据用户要求供货      \*\*\*\*)On request

## YFB、YFH系列减速器

## 选型指南

减速器的承载能力受机械强度和热平衡许用功率两主面的限制，选用减速器时必须通过这两项功率核算。

## 1) 计算传动比

$$i_s = \frac{n_1}{n_2}$$

式中：

$i_s$ —要求的传动比

$n_1$ —输入转速 (r/min)

$n_2$ —输出转速 (r/min)

## 2) 确定减速器的额定功率，应满足：

$$P_N \geq P_2 \times f_1 \times f_2 \times f_3 \times f_4$$

式中：

$P_N$ —减速器额定功率（见额定功率表）

$P_2$ —载荷功率（即工作机所需功率）

$f_1$ —工作机系数（见表1）

$f_2$ —原动机系数（见表2）

$f_4$ —减速器安全系数（见表4）

$f_3$ —启动系数（见表3）

## 3) 校核最大扭矩，如峰值工作扭矩，启动扭矩或制动扭矩应满足要求：

$$P_N \geq \frac{T_A \times n_1}{9550} \times f_5$$

式中：

$T_A$ —输入轴最大扭矩，如峰值工作扭矩、启动扭矩、制动扭矩 (N.m)

$f_5$ —峰值扭矩系数（见表5）

## 4) 检查输出轴上是否允许有附加载荷，

许用附加径向力见279~280页。

5) 检查实际传动比*i*是否满足要求，实际传动比*i*见281~284页。

## 6) 确定供油方式

减速器卧式安装时采用浸油飞溅润滑，

也可按用户要求提供强制润滑方式。

立式安装时可选浸油润滑或强制润滑。

（有关合适的供油方式和选择请咨询）

## YFB、YFH series Gear Units

## Guidelines for the Selection

The loading capacity of gear unit is restricted by the permissible powers of mechanical tension and the thermal balance, it should meet the following powers in selecting:

## 1) Calculate the transmission ratio:

$$i_s = \frac{n_1}{n_2}$$

$i_s$ —the required transmission ratio

$n_1$ —the input speed (r/min)

$n_2$ —the output speed (r/min)

## 2) Determine the nominal power ratings of gear units:

$$P_N \geq P_2 \times f_1 \times f_2 \times f_3 \times f_4$$

$P_N$ — the nominal power ratings of gear units  
(see nominal power ratings table)

$P_2$ — loading power (the required power of driven machine)

$f_1$ — factor for driven machine (see table1)

$f_2$ — factor for prime mover (see table2)

$f_4$ — safety factor for gear units (see table4)

$f_3$ — starting factor (see table3)

## 3) Check the max. torque, the peak operating-, starting- or braking torque should meet the following requirement:

$$P_N \geq \frac{T_A \times n_1}{9550} \times f_5$$

$T_A$ —the max. torque of input shaft, such as peak operating-, starting- or braking torque,

$f_5$ — peak torque factor (see table5)

## 4) Check whether it permits the additional force of output shaft, for the permissible additional radial force see pages 279~280.

## 5) Check whether the actual transmission ratio meets the requirement, the actual transmission ratio see pages 281~284.

## 6) Determine the lubrication mode

Dip lubrication should be provided in horizontal, also can provide forced lubrication on request.

Dip lubrication or forced lubrication can be provided in vertical. (please consult the suitable oil supplying and type selecting).

## YFB.YFH系列减速器

## 选型指南

## 7) 校核热平衡功率

a. 减速器不带辅助冷却装置, 应满足:

$$P_2 \leq P_G = P_{G1} \times f_6 \times f_7 \times f_9 \times f_{10}$$

式中:

$P_G$  - 减速器热功率

$P_{G1}$  - 无辅助冷却装置时的热功率

(见热功率表)

$f_6$  - 环境温度系数 (见表6)

$f_7$  - 海拔高度系数 (见表7)

$f_9$  - 立式安装供油系数 (见表24)

$f_{10}$  - 无辅助冷却装置时的热容量系数

(见表25)

b. 减速器带有冷却风扇装置时应满足:

$$P_2 \leq P_G = P_{G2} \times f_6 \times f_7 \times f_9 \times f_{11}$$

式中:

$P_{G2}$  - 带冷却风扇装置时的热功率

(见热功率表)

$f_{11}$  - 带冷却风扇装置时的热容量

系数 (见表26)

例: 高炉输送碎料的胶带输送机减速器, 电动机转速 $n_1=1350\text{r/min}$ , 负载功率 (减速器输出功率)  $P_2=380\text{kW}$ , 尖峰载荷 $T_A=5370\text{N}\cdot\text{m}$ , 轴伸仅承受转矩, 每日工作24h, 每小时启动次数少于5次, 每小时工作周期 $ED=40\%$ , 环境温度 $t=30^\circ\text{C}$ , 海拔高度 $\leq 300\text{m}$ , 安装在露天高台上。要求直交轴型式, 实心输出轴位于减速器右侧 (面对输入轴看即布置形式C), 输入轴转向为顺时针方向 (面对输入轴看)。要求输出转速 $n_2=69.5\text{r/min}$ , 卧式安装, 油池润滑。

## 1) 计算传动比

$$i_s = \frac{n_1}{n_2} = \frac{1350}{69.5} = 19.424$$

## 2) 确定减速器的额定功率

$$P_N \geq P_2 \times f_1 \times f_2 \times f_3 \times f_4$$

查表 1  $f_1 = 1.5$

查表 2  $f_2 = 1$

## YFB.YFH series Gear Units

## Guidelines for the Selection

## 7) Check the power of thermal balance

a. the gear units without auxiliary cooling, should meet:

$$P_2 \leq P_G = P_{G1} \times f_6 \times f_7 \times f_9 \times f_{10}$$

$P_G$  - the thermal capacities of gear units

$P_{G1}$  - the thermal capacities without auxiliary cooling (see thermal capacities table)

$f_6$  - factor for ambient temperature (see table6)

$f_7$  - factor for altitude (see table7)

$f_9$  - oil supply factor of vertical (see table24)

$f_{10}$  - thermal capacities factor without auxiliary cooling (see table25)

b. The gear units with fan cooling should meet:

$$P_2 \leq P_G = P_{G2} \times f_6 \times f_7 \times f_9 \times f_{11}$$

$P_{G2}$  - thermal capacities with fan cooling (see thermal capacities table)

$f_{11}$  - factor for thermal capacities with fan cooling (see table26)

## Example:

The gear unit of glue feeding machine for conveying flour in blast furnace. The rotate speed of motor  $n_1=1350\text{r/min}$ , loading power (the output power of gear units)  $P_2=380\text{kW}$ , peak loading  $T_A=5370\text{N}\cdot\text{m}$ , out put shaft only bears toyque, it works 24h per day, the starts perhour is less than 5 times, the operating cycle per hour  $ED=40\%$ , the ambient temperature  $t=30^\circ\text{C}$ , the altitude  $\leq 300\text{m}$ , mounted on high platform in the open. It requires Bevel-helical type, the solid output shaft is located on the right of gear unit (design C viewing on the input shaft), and the direction of rotation of input shaft is clockwise (viewing on input shaft). The output speed  $n_2=69.5\text{r/min}$ , horizontal, dip lubrication.

## 1) Calculalte the transmission ratio

$$i_s = \frac{n_1}{n_2} = \frac{1350}{69.5} = 19.424$$

## 2) Determine the nominal power rating of the gear unit

$$P_N \geq P_2 \times f_1 \times f_2 \times f_3 \times f_4$$

Check table 1  $f_1=1.5$

Check table 2  $f_2=1$

## YFZ.YFD.YFB.YFH系列减速器

## 选型指南

查表 3  $f_3=1$ 查表 4  $f_4=1.75$  (由用途可知系重要设备)则  $P_N = P_2 \times f_1 \times f_2 \times f_3 \times f_4$ 

$$= 380 \times 1.5 \times 1 \times 1 \times 1.75 = 997.5$$

查额定功率表, 选YFB型, 3级传动, 规格15  
减速器,  $i_N=20, n_1=1500r/min$ 对应的额定功率  
为1202kW, 折算出1350r/min时的功率为:

$$P_N = 1202 \times \frac{1350}{1500} \approx 1082kW, \text{ 满足要求。}$$

## 3) 校核最大扭矩

$$P_N \geq \frac{T_A \times n_1}{9550} \times f_5$$

$$= \frac{5370 \times 1350}{9550} \times 0.5 = 380kW$$

则  $P_N = 1202kW > 380kW$ 

满足要求

## 4) 校核热功率

按环境温度  $t=30^\circ\text{C}$ , 海拔高度为300m,

无辅助冷却装置, 露天

安装条件查表6, 表7, 表24, 表25

查热功率表得:

$$P_{G1}=363kW$$

$$f_6=1.18$$

$$f_7=1$$

$$f_8=1.05 \text{ (要强制润滑)}$$

$$f_9=0.95$$

$$P_G = P_{G1} \times f_6 \times f_7 \times f_8 \times f_9$$

$$= 363 \times 1.18 \times 1 \times 1.05 \times 0.95 = 427kW$$

$$P_2 = 380kW < P_G = 427kW$$

满足要求

故选定YFB3SH-15-20-C-CW减速器。

该减速器轴伸仅承受转矩, 不需校核输出轴  
上的附加载荷。

## YFZ.YFD.YFB.YFH series Gear Units

## Guidelines for the Selection

Check table 3  $f_3=1$ 

Check table 4  $f_4=1.75$  (acc. to the purpose it  
an be found the significant equipment)

$$P_N = P_2 \times f_1 \times f_2 \times f_3 \times f_4$$

$$= 380 \times 1.5 \times 1 \times 1 \times 1.75 = 997.5$$

Check the nominal power ratings table, select YFB  
type, 3-stage transmission, size 15,  $i_N=20, n_1=1500r/min$   
the correspond nominal power rating is 1202KW, the  
power is

$$P_N = 1202 \times \frac{1350}{1500} \approx 1082kW \text{ when converting into}$$

1350r/min, it meets the requirement.

## 3) Check the max. torque:

$$P_N \geq \frac{T_A \times n_1}{9550} \times f_5$$

$$= \frac{5370 \times 1350}{9550} \times 0.5 = 380kW$$

$$P_N = 1202kW > 380kW$$

It meets the requirement.

## 4) Check the thermal capacities:

The ambient temperature  $t=30^\circ\text{C}$ , the altitude is  
300m, without auxiliary cooling, in the open  
For the mounting condition check table 6 and table 7,  
table 24 and table 25

Check the thermal capacities table is:

$$P_{G1}=363kW$$

$$f_6=1.18$$

$$f_7=1$$

$$f_8=1.05 \text{ (forced lubrication required)}$$

$$f_9=0.95$$

$$P_G = P_{G1} \times f_6 \times f_7 \times f_8 \times f_9$$

$$= 363 \times 1.18 \times 1 \times 1.05 \times 0.95 = 427kW$$

$$P_2 = 380kW < P_G = 427kW$$

It meets the requirement.

Select YFB3SH-15-20-C-CW gear unit.

The output shaft of gear unit only bears torque  
Don't need check the additional force on it.

安装类型  
mounted Type

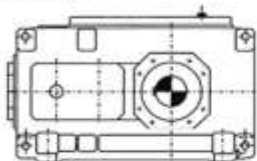
卧式类型 Foot-mounted

平行轴齿轮箱 Helical Gear Units

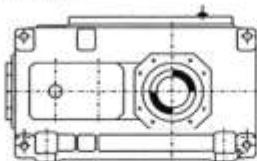
类型 (Type) H1..., H2..., H3..., H4...

1-...4-级(stage),  $i_N=1.25-450$

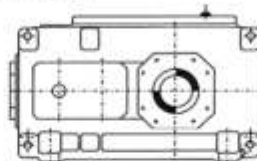
YFH.SH



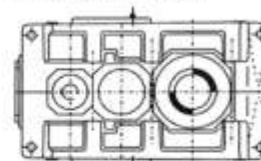
YFH.HH



YFH.DH



YFH.HM, YFH.DM

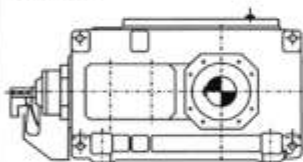


直交轴齿轮箱 Bevel-Helical Gear Units

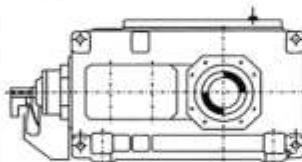
类型 (Type) B2..., B3..., B4...

2-4-级(stage),  $i_N=5-400$

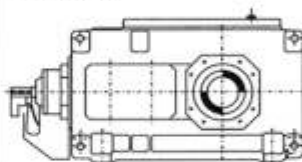
YFB.SH



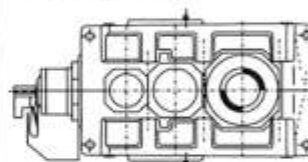
YFB.HH



YFB.DH



YFB.HM, YFB.DM



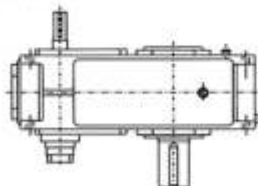
立式安装 Vertical

平行轴齿轮箱 Helical Gear Units

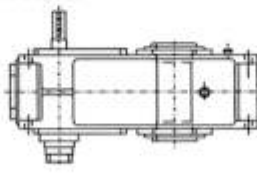
类型 (Type) H2.V, H3.V, H4.V

2-4-级(stage),  $i_N=6.3-450$

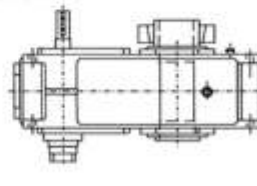
YFH.SV



YFH.HV



YFH.DV

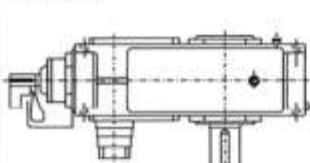


直交轴齿轮箱 Bevel-helical Gear Units

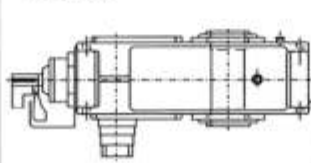
类型 (Type) B2.V, B3.V, B4.V

2-4-级(stage),  $i_N=5-400$

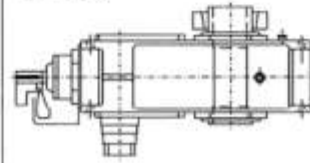
YFB.SV



YFB.HV



YFB.DV



齿轮箱 布置形式

Gearunits Design

类型 YFH2...YFH4, YFB2...YFB4

Types

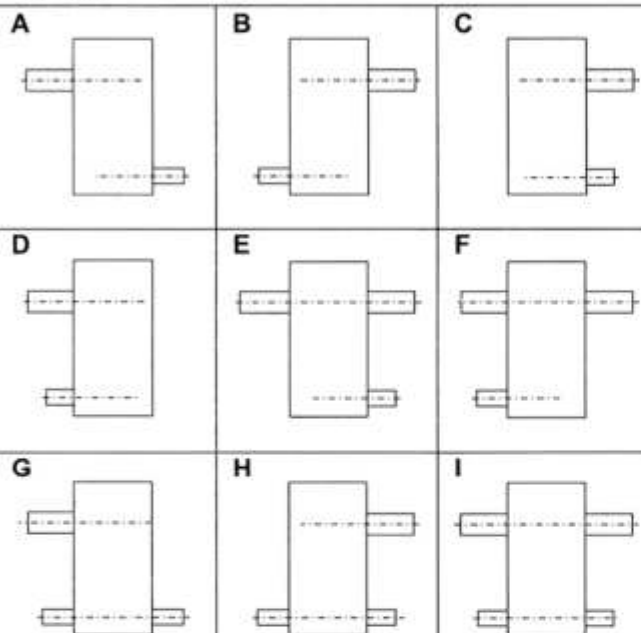
规格 1...26

Sizes

平行轴齿轮箱 Helical Gearunits

YFH.SH  
YFH.SV

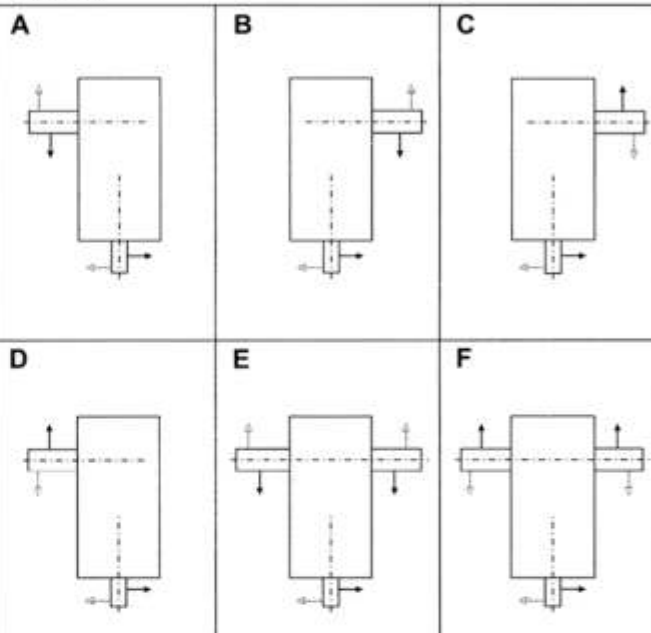
实心轴 Solid shaft



直交轴齿轮箱 Bevel-helical Gearunits

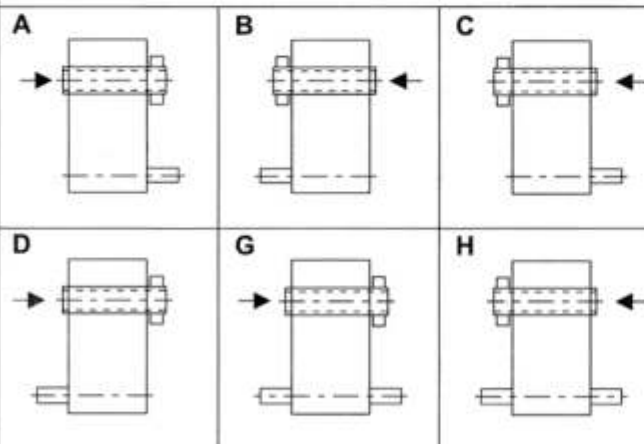
YFB.SH  
YFB.SV

实心轴 Solid shaft



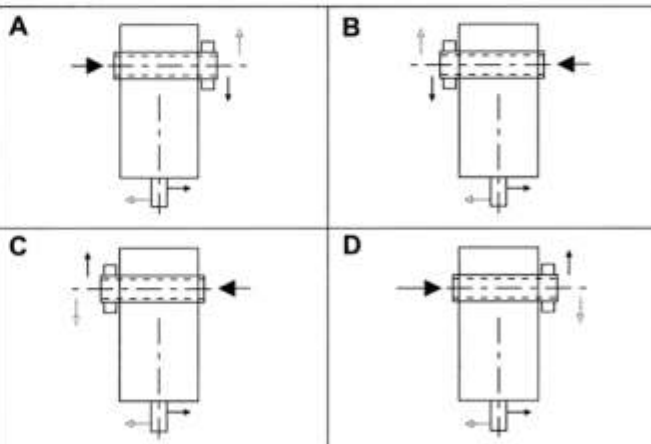
YFH.DH  
YFH.DM  
YFH.DV

带胀紧盘的空心轴  
Hollow shaft for shrink disk



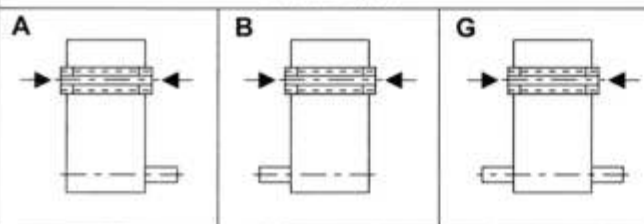
YFB.DH  
YFB.DM  
YFB.DV

带胀紧盘的空心轴  
Hollow shaft for shrink disk



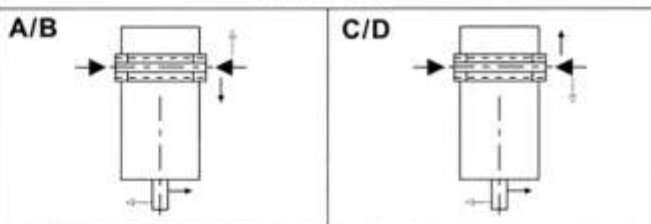
YFH.HH  
YFH.HM  
YFH.HV

空心轴  
Hollow shaft



YFB.HH  
YFB.HM  
YFB.HV

空心轴  
Hollow shaft



平行轴齿轮箱 Helical Gear Units

额定功率 Nom Power Ratings

类型 YFH1..

Types

规格 1...19

Sizes

|                |                | 额定功率           |     |   |     |   |     |   |      |   |      | Nom Power Ratings |       |    |      |    |      |    |      |    |      |    |    |    |    |    |    | kW |  |
|----------------|----------------|----------------|-----|---|-----|---|-----|---|------|---|------|-------------------|-------|----|------|----|------|----|------|----|------|----|----|----|----|----|----|----|--|
| i <sub>n</sub> | n <sub>1</sub> | n <sub>2</sub> | 規 格 |   |     |   |     |   |      |   |      |                   | Sizes |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                |                |                | 1   | 2 | 3   | 4 | 5   | 6 | 7    | 8 | 9    | 10                | 11    | 12 | 13   | 14 | 15   | 16 | 17   | 18 | 19   | 20 | 21 | 22 | 23 | 24 | 25 | 26 |  |
|                |                | r/min          |     |   |     |   |     |   |      |   |      |                   |       |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
| 1.25           | 1500           | 1200           | 99  |   | 327 |   | 880 |   | 1671 |   | 2702 |                   |       |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 1000           | 800            | 66  |   | 218 |   | 586 |   | 1114 |   | 1801 |                   |       |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 750            | 600            | 50  |   | 163 |   | 440 |   | 836  |   | 1351 |                   |       |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
| 1.4            | 1500           | 1071           | 93  |   | 303 |   | 807 |   | 1559 |   | 2501 |                   |       |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 1000           | 714            | 62  |   | 202 |   | 538 |   | 1039 |   | 1667 |                   |       |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 750            | 536            | 47  |   | 152 |   | 404 |   | 780  |   | 1252 |                   |       |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
| 1.6            | 1500           | 938            | 85  |   | 285 |   | 737 |   | 1395 |   | 2318 |                   | 3929  |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 1000           | 625            | 57  |   | 190 |   | 491 |   | 929  |   | 1545 |                   | 2618  |    | 4123 |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 750            | 469            | 43  |   | 142 |   | 368 |   | 697  |   | 1159 |                   | 1964  |    | 3094 |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
| 1.8            | 1500           | 833            | 79  |   | 209 |   | 672 |   | 1326 |   | 2128 |                   | 3611  |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 1000           | 556            | 53  |   | 140 |   | 448 |   | 885  |   | 1421 |                   | 2410  |    | 3860 |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 750            | 417            | 40  |   | 105 |   | 336 |   | 664  |   | 1065 |                   | 1808  |    | 2895 |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
| 2              | 1500           | 750            | 73  |   | 196 |   | 644 |   | 1217 |   | 1963 |                   | 3353  |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 1000           | 500            | 49  |   | 131 |   | 429 |   | 812  |   | 1309 |                   | 2236  |    | 3571 |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 750            | 375            | 37  |   | 98  |   | 322 |   | 609  |   | 982  |                   | 1677  |    | 2678 |    | 4751 |    |      |    |      |    |    |    |    |    |    |    |  |
| 2.24           | 1500           | 670            | 67  |   | 175 |   | 589 |   | 1087 |   | 1754 |                   | 3087  |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 1000           | 446            | 45  |   | 117 |   | 392 |   | 724  |   | 1168 |                   | 2055  |    | 3283 |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 750            | 335            | 34  |   | 88  |   | 295 |   | 544  |   | 877  |                   | 1543  |    | 2466 |    | 4280 |    |      |    |      |    |    |    |    |    |    |    |  |
| 2.5            | 1500           | 600            | 63  |   | 163 |   | 528 |   | 974  |   | 1571 |                   | 2764  |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 1000           | 400            | 42  |   | 109 |   | 352 |   | 649  |   | 1047 |                   | 1843  |    | 3016 |    | 4607 |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 750            | 300            | 31  |   | 82  |   | 264 |   | 487  |   | 785  |                   | 1382  |    | 2262 |    | 3455 |    |      |    |      |    |    |    |    |    |    |    |  |
| 2.8            | 1500           | 536            | 56  |   | 152 |   | 471 |   | 836  |   | 1330 |                   | 2470  |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 1000           | 357            | 37  |   | 101 |   | 314 |   | 557  |   | 886  |                   | 1645  |    | 2692 |    | 4224 |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 750            | 268            | 28  |   | 76  |   | 236 |   | 418  |   | 665  |                   | 1235  |    | 2021 |    | 3171 |    | 4799 |    |      |    |    |    |    |    |    |    |  |
| 3.15           | 1500           | 476            | 50  |   | 135 |   | 419 |   | 758  |   | 1221 |                   | 2088  |    | 3409 |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 1000           | 317            | 33  |   | 90  |   | 279 |   | 505  |   | 813  |                   | 1391  |    | 2270 |    | 3850 |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 750            | 238            | 25  |   | 67  |   | 209 |   | 379  |   | 611  |                   | 1044  |    | 1705 |    | 2891 |    | 4311 |    |      |    |    |    |    |    |    |    |  |
| 3.55           | 1500           | 423            | 44  |   | 124 |   | 368 |   | 687  |   | 1103 |                   | 1936  |    | 3083 |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 1000           | 282            | 30  |   | 83  |   | 245 |   | 458  |   | 735  |                   | 1290  |    | 2055 |    | 3484 |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 750            | 211            | 22  |   | 62  |   | 183 |   | 342  |   | 550  |                   | 966   |    | 1538 |    | 2607 |    | 3822 |    |      |    |    |    |    |    |    |    |  |
| 4              | 1500           | 375            | 39  |   | 110 |   | 330 |   | 609  |   | 982  |                   | 1728  |    | 2780 |    |      |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 1000           | 250            | 26  |   | 73  |   | 220 |   | 406  |   | 654  |                   | 1152  |    | 1853 |    | 3194 |    | 4529 |    |      |    |    |    |    |    |    |    |  |
|                | 750            | 188            | 20  |   | 55  |   | 165 |   | 305  |   | 492  |                   | 866   |    | 1394 |    | 2402 |    | 3406 |    | 4823 |    |    |    |    |    |    |    |  |
| 4.5            | 1500           | 333            | 29  |   | 77  |   | 234 |   | 481  |   | 746  |                   | 1395  |    | 2008 |    | 3557 |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 1000           | 222            | 19  |   | 51  |   | 156 |   | 321  |   | 497  |                   | 930   |    | 1339 |    | 2371 |    | 3394 |    |      |    |    |    |    |    |    |    |  |
|                | 750            | 167            | 14  |   | 38  |   | 117 |   | 241  |   | 374  |                   | 699   |    | 1007 |    | 1784 |    | 2553 |    | 3777 |    |    |    |    |    |    |    |  |
| 5              | 1500           | 300            | 25  |   | 66  |   | 198 |   | 377  |   | 644  |                   | 1059  |    | 1712 |    | 2790 |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 1000           | 200            | 16  |   | 44  |   | 132 |   | 251  |   | 429  |                   | 706   |    | 1141 |    | 1860 |    | 2597 |    | 3644 |    |    |    |    |    |    |    |  |
|                | 750            | 150            | 12  |   | 33  |   | 99  |   | 188  |   | 322  |                   | 529   |    | 856  |    | 1395 |    | 1948 |    | 2733 |    |    |    |    |    |    |    |  |
| 5.6            | 1500           | 268            | 17  |   | 56  |   | 168 |   | 320  |   | 491  |                   | 892   |    | 1454 |    | 2371 |    |      |    |      |    |    |    |    |    |    |    |  |
|                | 1000           | 179            | 12  |   | 37  |   | 112 |   | 214  |   | 328  |                   | 596   |    | 971  |    | 1584 |    | 2212 |    | 2812 |    |    |    |    |    |    |    |  |
|                | 750            | 134            | 9   |   | 28  |   | 84  |   | 160  |   | 246  |                   | 446   |    | 727  |    | 1186 |    | 1656 |    | 2105 |    |    |    |    |    |    |    |  |

卧式安装齿轮箱要求采用强制润滑  
Forced lubrication required on horizontal gearunits

平行轴齿轮箱 Helical Gear Units

热容量 Thermal capacities

类型 YFH1..

Types

规格 1...19

Sizes

|      |                 | 热容量 P <sub>0</sub> , kW                                                                                                                                                                                                                                                                          |   |      |   |     |   |      |   |      |    | Thermal Capacities PG |    |      |    |      |    |      |    |      |    | kW |    |    |    |    |    |
|------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------|---|-----|---|------|---|------|----|-----------------------|----|------|----|------|----|------|----|------|----|----|----|----|----|----|----|
| k    |                 | 规格                                                                                                                                                                                                                                                                                               |   |      |   |     |   |      |   |      |    | Sizes                 |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |
|      |                 | 1                                                                                                                                                                                                                                                                                                | 2 | 3    | 4 | 5   | 6 | 7    | 8 | 9    | 10 | 11                    | 12 | 13   | 14 | 15   | 16 | 17   | 18 | 19   | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
|      |                 | 热容量 P <sub>0</sub> (单位为kW)取决于冷却方式: P <sub>01</sub> :无辅助冷却装置; P <sub>02</sub> :带冷却风扇; P <sub>03</sub> :带冷却盘管; P <sub>04</sub> :带风扇和冷却盘管<br>PG1:With out auxili; arycooling; PG2:With fan<br>Thermal Ca Pacity de Pendent on kind of cooling; PG3:With cooling coil; PG4:With fan and cooling coil |   |      |   |     |   |      |   |      |    |                       |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |
| 1.25 | P <sub>01</sub> | 70.4                                                                                                                                                                                                                                                                                             |   | 105  |   | 188 |   | 322  |   | 497  |    |                       |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>02</sub> |                                                                                                                                                                                                                                                                                                  |   | 146  |   | 360 |   | 580  |   | 875  |    |                       |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>03</sub> | 10.9                                                                                                                                                                                                                                                                                             |   | 283  |   | 659 |   | 1097 |   | 1841 |    |                       |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>04</sub> |                                                                                                                                                                                                                                                                                                  |   | 313  |   | 789 |   | 1333 |   | 2210 |    |                       |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |
| 1.4  | P <sub>01</sub> | 68.0                                                                                                                                                                                                                                                                                             |   | 105  |   | 192 |   | 319  |   | 504  |    |                       |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>02</sub> |                                                                                                                                                                                                                                                                                                  |   | 144  |   | 358 |   | 579  |   | 870  |    |                       |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>03</sub> | 105                                                                                                                                                                                                                                                                                              |   | 272  |   | 645 |   | 1075 |   | 1791 |    |                       |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>04</sub> |                                                                                                                                                                                                                                                                                                  |   | 303  |   | 767 |   | 1294 |   | 2136 |    |                       |    |      |    |      |    |      |    |      |    |    |    |    |    |    |    |
| 1.6  | P <sub>01</sub> | 66.2                                                                                                                                                                                                                                                                                             |   | 104  |   | 186 |   | 316  |   | 507  |    | 516                   |    | 747  |    |      |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>02</sub> |                                                                                                                                                                                                                                                                                                  |   | 140  |   | 347 |   | 555  |   | 853  |    | 1134                  |    | 1394 |    |      |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>03</sub> | 100                                                                                                                                                                                                                                                                                              |   | 257  |   | 606 |   | 981  |   | 1694 |    | 2616                  |    | 2900 |    |      |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>04</sub> |                                                                                                                                                                                                                                                                                                  |   | 286  |   | 723 |   | 1194 |   | 2021 |    | 3283                  |    | 3906 |    |      |    |      |    |      |    |    |    |    |    |    |    |
| 1.8  | P <sub>01</sub> | 66.0                                                                                                                                                                                                                                                                                             |   | 107  |   | 185 |   | 313  |   | 502  |    | 511                   |    | 740  |    |      |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>02</sub> |                                                                                                                                                                                                                                                                                                  |   | 151  |   | 335 |   | 561  |   | 834  |    | 1119                  |    | 1441 |    |      |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>03</sub> | 93.7                                                                                                                                                                                                                                                                                             |   | 275  |   | 574 |   | 960  |   | 1585 |    | 2497                  |    | 2850 |    |      |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>04</sub> |                                                                                                                                                                                                                                                                                                  |   | 303  |   | 677 |   | 1178 |   | 1919 |    | 3135                  |    | 3808 |    |      |    |      |    |      |    |    |    |    |    |    |    |
| 2    | P <sub>01</sub> | 65.0                                                                                                                                                                                                                                                                                             |   | 104  |   | 178 |   | 310  |   | 492  |    | 507                   |    | 733  |    | 991  |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>02</sub> |                                                                                                                                                                                                                                                                                                  |   | 146  |   | 321 |   | 544  |   | 806  |    | 1204                  |    | 1413 |    | 1766 |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>03</sub> | 89.1                                                                                                                                                                                                                                                                                             |   | 258  |   | 533 |   | 929  |   | 1501 |    | 2358                  |    | 2986 |    | 2950 |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>04</sub> |                                                                                                                                                                                                                                                                                                  |   | 287  |   | 638 |   | 1118 |   | 1800 |    | 2963                  |    | 3747 |    | 4341 |    |      |    |      |    |    |    |    |    |    |    |
| 2.24 | P <sub>01</sub> | 57.0                                                                                                                                                                                                                                                                                             |   | 95.5 |   | 172 |   | 307  |   | 473  |    | 502                   |    | 725  |    | 950  |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>02</sub> |                                                                                                                                                                                                                                                                                                  |   | 139  |   | 304 |   | 506  |   | 767  |    | 1154                  |    | 1385 |    | 1752 |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>03</sub> | 83.9                                                                                                                                                                                                                                                                                             |   | 243  |   | 498 |   | 829  |   | 1404 |    | 2224                  |    | 2570 |    | 2800 |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>04</sub> |                                                                                                                                                                                                                                                                                                  |   | 270  |   | 594 |   | 1009 |   | 1682 |    | 2271                  |    | 3512 |    | 4245 |    |      |    |      |    |    |    |    |    |    |    |
| 2.5  | P <sub>01</sub> | 54.1                                                                                                                                                                                                                                                                                             |   | 88.8 |   | 164 |   | 303  |   | 449  |    | 498                   |    | 719  |    | 923  |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>02</sub> |                                                                                                                                                                                                                                                                                                  |   | 127  |   | 285 |   | 474  |   | 720  |    | 1088                  |    | 1357 |    | 1788 |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>03</sub> | 75.5                                                                                                                                                                                                                                                                                             |   | 219  |   | 462 |   | 768  |   | 1281 |    | 2040                  |    | 2500 |    | 3000 |    |      |    |      |    |    |    |    |    |    |    |
|      | P <sub>04</sub> |                                                                                                                                                                                                                                                                                                  |   | 243  |   | 548 |   | 931  |   | 1547 |    | 2562                  |    | 3253 |    | 4196 |    |      |    |      |    |    |    |    |    |    |    |
| 2.8  | P <sub>01</sub> | 52.3                                                                                                                                                                                                                                                                                             |   | 86.7 |   | 155 |   | 295  |   | 473  |    | 493                   |    | 713  |    | 925  |    | 955  |    |      |    |    |    |    |    |    |    |
|      | P <sub>02</sub> |                                                                                                                                                                                                                                                                                                  |   | 119  |   | 264 |   | 494  |   | 750  |    | 1015                  |    | 1329 |    | 1699 |    | 1846 |    |      |    |    |    |    |    |    |    |
|      | P <sub>03</sub> | 69.8                                                                                                                                                                                                                                                                                             |   | 202  |   | 421 |   | 792  |   | 1329 |    | 1876                  |    | 2397 |    | 3090 |    | 3200 |    |      |    |    |    |    |    |    |    |
|      | P <sub>04</sub> |                                                                                                                                                                                                                                                                                                  |   | 223  |   | 500 |   | 961  |   | 1594 |    | 2335                  |    | 2979 |    | 4151 |    | 4574 |    |      |    |    |    |    |    |    |    |
| 3.15 | P <sub>01</sub> | 49.7                                                                                                                                                                                                                                                                                             |   | 84.6 |   | 150 |   | 269  |   | 379  |    | 495                   |    | 707  |    | 888  |    | 919  |    |      |    |    |    |    |    |    |    |
|      | P <sub>02</sub> |                                                                                                                                                                                                                                                                                                  |   | 111  |   | 253 |   | 432  |   | 606  |    | 1067                  |    | 1301 |    | 1609 |    | 1718 |    |      |    |    |    |    |    |    |    |
|      | P <sub>03</sub> | 64.9                                                                                                                                                                                                                                                                                             |   | 184  |   | 396 |   | 734  |   | 1117 |    | 1899                  |    | 2354 |    | 2750 |    | 2900 |    |      |    |    |    |    |    |    |    |
|      | P <sub>04</sub> |                                                                                                                                                                                                                                                                                                  |   | 204  |   | 466 |   | 878  |   | 1329 |    | 2376                  |    | 2932 |    | 3809 |    | 4288 |    |      |    |    |    |    |    |    |    |
| 3.55 | P <sub>01</sub> | 45.0                                                                                                                                                                                                                                                                                             |   | 78.4 |   | 145 |   | 248  |   | 351  |    | 479                   |    | 699  |    | 849  |    | 902  |    |      |    |    |    |    |    |    |    |
|      | P <sub>02</sub> |                                                                                                                                                                                                                                                                                                  |   | 101  |   | 245 |   | 395  |   | 554  |    | 955                   |    | 1273 |    | 1565 |    | 1649 |    |      |    |    |    |    |    |    |    |
|      | P <sub>03</sub> | 58.7                                                                                                                                                                                                                                                                                             |   | 165  |   | 376 |   | 650  |   | 988  |    | 1663                  |    | 2110 |    | 2622 |    | 2700 |    |      |    |    |    |    |    |    |    |
|      | P <sub>04</sub> |                                                                                                                                                                                                                                                                                                  |   | 183  |   | 443 |   | 787  |   | 1192 |    | 2077                  |    | 2643 |    | 3431 |    | 4118 |    |      |    |    |    |    |    |    |    |
| 4    | P <sub>01</sub> | 41.0                                                                                                                                                                                                                                                                                             |   | 73.1 |   | 132 |   | 233  |   | 300  |    | 452                   |    | 665  |    | 797  |    | 866  |    | 1051 |    |    |    |    |    |    |    |
|      | P <sub>02</sub> |                                                                                                                                                                                                                                                                                                  |   | 91.2 |   | 220 |   | 353  |   | 467  |    | 866                   |    | 1227 |    | 1520 |    | 1639 |    | 1647 |    |    |    |    |    |    |    |
|      | P <sub>03</sub> | 52.2                                                                                                                                                                                                                                                                                             |   | 146  |   | 334 |   | 573  |   | 818  |    | 1485                  |    | 1903 |    | 2301 |    | 2700 |    |      |    |    |    |    |    |    |    |
|      | P <sub>04</sub> |                                                                                                                                                                                                                                                                                                  |   | 162  |   | 392 |   | 690  |   | 985  |    | 1855                  |    | 2352 |    | 3043 |    | 3665 |    |      |    |    |    |    |    |    |    |
| 4.5  | P <sub>01</sub> | 41.0                                                                                                                                                                                                                                                                                             |   | 77.0 |   | 139 |   | 225  |   | 321  |    | 388                   |    | 630  |    | 816  |    | 916  |    | 1020 |    |    |    |    |    |    |    |
|      | P <sub>02</sub> |                                                                                                                                                                                                                                                                                                  |   | 99.7 |   | 221 |   | 331  |   | 492  |    | 728                   |    | 1115 |    | 1475 |    | 1675 |    | 1771 |    |    |    |    |    |    |    |
|      | P <sub>03</sub> | 53.0                                                                                                                                                                                                                                                                                             |   | 155  |   | 328 |   | 529  |   | 843  |    | 1264                  |    | 1713 |    | 2248 |    | 2841 |    |      |    |    |    |    |    |    |    |
|      | P <sub>04</sub> |                                                                                                                                                                                                                                                                                                  |   | 171  |   | 386 |   | 636  |   | 1011 |    | 1570                  |    | 2134 |    | 2922 |    | 3586 |    |      |    |    |    |    |    |    |    |
| 5    | P <sub>01</sub> | 37.0                                                                                                                                                                                                                                                                                             |   | 69.0 |   | 134 |   | 218  |   | 290  |    | 377                   |    | 604  |    | 812  |    | 980  |    | 1146 |    |    |    |    |    |    |    |
|      | P <sub>02</sub> |                                                                                                                                                                                                                                                                                                  |   | 89.7 |   | 209 |   | 314  |   | 439  |    | 697                   |    | 1022 |    | 1431 |    | 1734 |    | 1894 |    |    |    |    |    |    |    |
|      | P <sub>03</sub> | 46.5                                                                                                                                                                                                                                                                                             |   | 138  |   | 309 |   | 494  |   | 743  |    | 1212                  |    | 1609 |    | 2140 |    | 2845 |    |      |    |    |    |    |    |    |    |
|      | P <sub>04</sub> |                                                                                                                                                                                                                                                                                                  |   | 152  |   | 361 |   | 595  |   | 892  |    | 1477                  |    | 2005 |    | 2757 |    | 3645 |    |      |    |    |    |    |    |    |    |
| 5.6  | P <sub>01</sub> | 36.5                                                                                                                                                                                                                                                                                             |   | 66.4 |   | 122 |   | 212  |   | 274  |    | 364                   |    | 571  |    | 736  |    | 899  |    | 1149 |    |    |    |    |    |    |    |
|      | P <sub>02</sub> |                                                                                                                                                                                                                                                                                                  |   | 79.5 |   | 184 |   | 280  |   | 411  |    | 656                   |    | 929  |    | 1386 |    | 1541 |    | 1878 |    |    |    |    |    |    |    |
|      | P <sub>03</sub> | 46.8                                                                                                                                                                                                                                                                                             |   | 120  |   | 267 |   | 438  |   | 682  |    | 1116                  |    | 1419 |    | 1875 |    | 2509 |    |      |    |    |    |    |    |    |    |
|      | P <sub>04</sub> |                                                                                                                                                                                                                                                                                                  |   | 133  |   | 314 |   | 520  |   | 821  |    | 1377                  |    | 1739 |    | 2397 |    | 3181 |    |      |    |    |    |    |    |    |    |

平行轴齿轮箱 Helical Gear Units

额定功率 Nom Power Ratings

类型 YFH2.., YFH3..

Types

规格 3...26

Sizes

|                |                | 额定功率<br>Nom Power Ratings |                     |   |    |     |     |     |     |     |     |     |      |      |      | kW   |      |      |      |      |      |      |      |      |    |    |    |    |  |
|----------------|----------------|---------------------------|---------------------|---|----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|----|--|
| i <sub>n</sub> | n <sub>1</sub> | n <sub>2</sub>            | 齿轮箱规格<br>Sizes      |   |    |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |    |    |    |    |  |
|                |                |                           | 1                   | 2 | 3  | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23 | 24 | 25 | 26 |  |
|                | r/min          |                           | P <sub>N</sub> , kW |   |    |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |    |    |    |    |  |
| 6.3            | 1500           | 238                       |                     |   | 87 | 157 | 262 |     | 474 |     | 785 |     | 1383 |      | 2143 |      | 3564 |      | 4860 |      |      |      |      |      |    |    |    |    |  |
|                | 1000           | 159                       |                     |   | 58 | 105 | 175 |     | 316 |     | 524 |     | 924  |      | 1432 |      | 2381 |      | 3247 |      | 4862 |      |      |      |    |    |    |    |  |
|                | 750            | 119                       |                     |   | 44 | 79  | 131 |     | 237 |     | 393 |     | 692  |      | 1072 |      | 1782 |      | 2430 |      | 3639 |      |      |      |    |    |    |    |  |
| 7.1            | 1500           | 211                       |                     |   | 77 | 139 | 232 |     | 420 |     | 696 |     | 1226 |      | 1900 |      | 3159 | 3535 | 4308 | 5082 |      |      |      |      |    |    |    |    |  |
|                | 1000           | 141                       |                     |   | 52 | 93  | 155 |     | 281 |     | 465 |     | 819  |      | 1270 |      | 2111 | 2362 | 2879 | 3396 | 4311 | 4946 |      |      |    |    |    |    |  |
|                | 750            | 106                       |                     |   | 39 | 70  | 117 |     | 211 |     | 350 |     | 616  |      | 955  |      | 1587 | 1776 | 2164 | 2553 | 3241 | 3718 | 4551 |      |    |    |    |    |  |
| 8              | 1500           | 188                       |                     |   | 69 | 124 | 207 | 266 | 374 | 472 | 620 | 778 | 1093 | 1358 | 1693 | 2106 | 2815 | 3150 | 3839 | 4528 |      |      |      |      |    |    |    |    |  |
|                | 1000           | 125                       |                     |   | 46 | 82  | 137 | 177 | 249 | 314 | 412 | 517 | 726  | 903  | 1126 | 1401 | 1872 | 2094 | 2552 | 3010 | 3822 | 4385 | 5366 |      |    |    |    |    |  |
|                | 750            | 94                        |                     |   | 34 | 62  | 103 | 133 | 187 | 236 | 310 | 389 | 546  | 679  | 846  | 1053 | 1408 | 1575 | 1919 | 2264 | 2874 | 3297 | 4036 | 4508 |    |    |    |    |  |
| 9              | 1500           | 167                       |                     |   | 61 | 110 | 184 | 236 | 332 | 420 | 551 | 691 | 971  | 1207 | 1504 | 1871 | 2501 | 2798 | 3410 | 4022 |      |      |      |      |    |    |    |    |  |
|                | 1000           | 111                       |                     |   | 41 | 73  | 122 | 157 | 221 | 279 | 366 | 459 | 645  | 802  | 1000 | 1244 | 1602 | 1860 | 2266 | 2673 | 3394 | 3894 | 4765 | 5323 |    |    |    |    |  |
|                | 750            | 83                        |                     |   | 30 | 55  | 91  | 117 | 165 | 209 | 274 | 343 | 482  | 600  | 747  | 930  | 1243 | 1391 | 1695 | 1999 | 2538 | 2912 | 3563 | 3981 |    |    |    |    |  |
| 10             | 1500           | 150                       |                     |   | 55 | 99  | 165 | 212 | 298 | 377 | 495 | 620 | 872  | 1084 | 1351 | 1681 | 2246 | 2513 | 3063 | 3613 |      |      |      |      |    |    |    |    |  |
|                | 1000           | 100                       |                     |   | 37 | 66  | 110 | 141 | 199 | 251 | 330 | 414 | 581  | 723  | 901  | 1120 | 1497 | 1675 | 2042 | 2408 | 3058 | 3508 | 4293 | 4796 |    |    |    |    |  |
|                | 750            | 75                        |                     |   | 27 | 49  | 82  | 106 | 149 | 188 | 247 | 310 | 436  | 542  | 675  | 840  | 1123 | 1257 | 1531 | 1806 | 2293 | 2631 | 3220 | 3597 |    |    |    |    |  |
| 11.2           | 1500           | 134                       |                     |   | 49 | 88  | 147 | 189 | 267 | 337 | 442 | 554 | 779  | 968  | 1207 | 1501 | 2006 | 2245 | 2736 | 3227 |      |      |      |      |    |    |    |    |  |
|                | 1000           | 89                        |                     |   | 33 | 59  | 98  | 126 | 177 | 224 | 294 | 368 | 517  | 643  | 801  | 997  | 1333 | 1491 | 1817 | 2143 | 2721 | 3122 | 3821 | 4268 |    |    |    |    |  |
|                | 750            | 67                        |                     |   | 25 | 44  | 74  | 95  | 133 | 168 | 221 | 277 | 389  | 484  | 603  | 751  | 1003 | 1123 | 1368 | 1614 | 2049 | 2350 | 2876 | 3213 |    |    |    |    |  |
| 12.5           | 1500           | 120                       |                     |   | 44 | 79  | 132 | 170 | 239 | 302 | 396 | 496 | 697  | 867  | 1081 | 1345 | 1797 | 2010 | 2450 | 2890 | 3669 |      |      |      |    |    |    |    |  |
|                | 1000           | 80                        |                     |   | 29 | 53  | 88  | 113 | 159 | 201 | 264 | 331 | 465  | 578  | 720  | 896  | 1198 | 1340 | 1634 | 1927 | 2446 | 2806 | 3435 | 3837 |    |    |    |    |  |
|                | 750            | 60                        |                     |   | 22 | 40  | 66  | 85  | 119 | 151 | 198 | 248 | 349  | 434  | 540  | 672  | 898  | 1005 | 1225 | 1445 | 1835 | 2105 | 2576 | 2877 |    |    |    |    |  |
| 14             | 1500           | 107                       |                     |   | 39 | 71  | 118 | 151 | 213 | 269 | 353 | 443 | 622  | 773  | 964  | 1199 | 1602 | 1793 | 2185 | 2577 | 3272 | 3753 |      |      |    |    |    |    |  |
|                | 1000           | 71                        |                     |   | 26 | 47  | 78  | 100 | 141 | 178 | 234 | 294 | 413  | 513  | 639  | 795  | 1063 | 1190 | 1450 | 1710 | 2171 | 2491 | 3048 | 3405 |    |    |    |    |  |
|                | 750            | 54                        |                     |   | 20 | 36  | 59  | 76  | 107 | 136 | 178 | 223 | 314  | 390  | 486  | 605  | 809  | 905  | 1103 | 1301 | 1651 | 1874 | 2318 | 2590 |    |    |    |    |  |
| 16             | 1500           | 94                        |                     |   | 34 | 62  | 103 | 133 | 187 | 236 | 310 | 389 | 546  | 679  | 846  | 1053 | 1408 | 1575 | 1919 | 2264 | 2874 | 3297 |      |      |    |    |    |    |  |
|                | 1000           | 63                        |                     |   | 23 | 42  | 69  | 89  | 125 | 158 | 208 | 261 | 366  | 455  | 567  | 706  | 943  | 1055 | 1286 | 1517 | 1926 | 2210 | 2705 | 3021 |    |    |    |    |  |
|                | 750            | 47                        |                     |   | 17 | 31  | 52  | 66  | 94  | 118 | 155 | 194 | 273  | 340  | 423  | 527  | 704  | 787  | 960  | 1132 | 1437 | 1649 | 2018 | 2254 |    |    |    |    |  |
| 18             | 1500           | 83                        |                     |   | 30 | 55  | 91  | 117 | 165 | 209 | 270 | 343 | 482  | 600  | 747  | 930  | 1243 | 1391 | 1695 | 1999 | 2538 | 2912 |      |      |    |    |    |    |  |
|                | 1000           | 56                        |                     |   | 21 | 37  | 62  | 79  | 111 | 141 | 185 | 232 | 325  | 405  | 504  | 627  | 839  | 938  | 1143 | 1349 | 1712 | 1964 | 2404 | 2686 |    |    |    |    |  |
|                | 750            | 42                        |                     |   | 15 | 28  | 46  | 59  | 84  | 106 | 139 | 174 | 244  | 303  | 378  | 471  | 629  | 704  | 858  | 1012 | 1284 | 1473 | 1803 | 2014 |    |    |    |    |  |
| 20             | 1500           | 75                        |                     |   | 27 | 49  | 82  | 106 | 149 | 188 | 247 | 310 | 436  | 542  | 675  | 840  | 1123 | 1257 | 1531 | 1806 | 2293 | 2631 |      |      |    |    |    |    |  |
|                | 1000           | 50                        |                     |   | 18 | 33  | 55  | 71  | 99  | 126 | 165 | 207 | 291  | 361  | 450  | 560  | 749  | 838  | 1021 | 1204 | 1529 | 1754 | 2147 | 2398 |    |    |    |    |  |
|                | 750            | 38                        |                     |   | 14 | 25  | 42  | 54  | 76  | 95  | 125 | 157 | 221  | 275  | 342  | 426  | 569  | 637  | 776  | 915  | 1162 | 1333 | 1631 | 1822 |    |    |    |    |  |
| 22.4           | 1500           | 67                        |                     |   | 25 | 43  | 72  | 95  | 130 | 168 | 217 | 277 | 382  | 484  | 617  | 751  | 1073 | 1123 | 1403 | 1614 | 2105 | 2350 | 2947 |      |    |    |    |    |  |
|                | 1000           | 45                        |                     |   | 16 | 29  | 48  | 64  | 88  | 113 | 146 | 186 | 257  | 325  | 415  | 504  | 721  | 754  | 942  | 1084 | 1414 | 1579 | 1979 | 2158 |    |    |    |    |  |
|                | 750            | 33                        |                     |   | 12 | 21  | 35  | 47  | 64  | 83  | 107 | 136 | 188  | 238  | 304  | 370  | 529  | 553  | 691  | 795  | 1037 | 1158 | 1451 | 1583 |    |    |    |    |  |
| 25             | 1500           | 60                        |                     |   |    | 69  | 85  | 129 | 151 | 214 | 248 | 377 | 434  | 553  | 672  | 961  | 1087 | 1257 | 1508 | 1885 | 2168 | 2639 | 2953 |      |    |    |    |    |  |
|                | 1000           | 40                        |                     |   |    | 46  | 57  | 86  | 101 | 142 | 165 | 251 | 289  | 369  | 448  | 641  | 725  | 838  | 1005 | 1257 | 1445 | 1759 | 1969 |      |    |    |    |    |  |
|                | 750            | 30                        |                     |   |    | 35  | 42  | 64  | 75  | 107 | 124 | 188 | 217  | 276  | 336  | 481  | 543  | 628  | 754  | 942  | 1084 | 1319 | 1476 |      |    |    |    |    |  |
| 28             | 1500           | 54                        |                     |   |    | 62  | 74  | 116 | 133 | 192 | 220 | 339 | 383  | 498  | 616  | 865  | 978  | 1131 | 1357 | 1696 | 1951 | 2375 | 2658 |      |    |    |    |    |  |
|                | 1000           | 36                        |                     |   |    | 41  | 49  | 77  | 89  | 128 | 147 | 226 | 256  | 332  | 411  | 577  | 652  | 754  | 905  | 1131 | 1301 | 1583 | 1772 |      |    |    |    |    |  |
|                | 750            | 27                        |                     |   |    | 31  | 37  | 58  | 66  | 96  | 110 | 170 | 192  | 249  | 308  | 433  | 489  | 565  | 679  | 848  | 975  | 1187 | 1329 |      |    |    |    |    |  |
| 31.5           | 1500           | 48                        |                     |   |    | 55  | 73  | 103 | 128 | 171 | 216 | 302 | 377  | 442  | 548  | 769  | 870  | 1005 | 1206 | 1508 | 1734 | 2111 | 2362 |      |    |    |    |    |  |
|                | 1000           | 32                        |                     |   |    | 37  | 49  | 69  | 85  | 114 | 144 | 201 | 251  | 295  | 365  | 513  | 580  | 670  | 804  | 1005 | 1156 | 1407 | 1575 |      |    |    |    |    |  |
|                | 750            | 24                        |                     |   |    | 28  | 36  | 52  | 64  | 85  | 108 | 151 | 188  | 221  | 274  | 385  | 435  | 503  | 603  | 754  | 867  | 1055 | 1181 |      |    |    |    |    |  |
| 35.5           | 1500           | 42                        |                     |   |    | 48  | 64  | 90  | 112 | 150 | 189 | 264 | 330  | 387  | 470  | 673  | 761  | 880  | 1055 | 1319 | 1517 | 1847 | 2067 |      |    |    |    |    |  |
|                | 1000           | 28                        |                     |   |    | 32  | 43  | 60  | 75  | 100 | 126 | 176 | 220  | 259  | 320  | 449  | 507  | 586  | 704  | 880  | 1012 | 1231 | 1378 |      |    |    |    |    |  |
|                | 750            | 21                        |                     |   |    | 24  | 32  | 45  | 56  | 75  | 95  | 132 | 165  | 194  | 240  | 336  | 380  | 440  | 528  | 660  | 759  | 924  | 1034 |      |    |    |    |    |  |

卧式安装齿轮箱要求采用强制润滑  
Forced lubrication required on horizontal gear units



平行轴齿轮箱 Helical Gear Units

额定功率 Nom Power Ratings

类型 YFH3..., YFH4

Types

规格 5...26

Sizes

|                |                | 额定功率PN         |       |   |   |   |      |     |     |     |     | Nom Power Ratings PN |       |     |     |     |     |     |     |     |      |       |      |      |    |    |    | kW |  |  |
|----------------|----------------|----------------|-------|---|---|---|------|-----|-----|-----|-----|----------------------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|------|------|----|----|----|----|--|--|
| i <sub>N</sub> | n <sub>1</sub> | n <sub>2</sub> | 齿轮箱规格 |   |   |   |      |     |     |     |     |                      | Sizes |     |     |     |     |     |     |     |      |       |      |      |    |    |    |    |  |  |
|                |                |                | 1     | 2 | 3 | 4 | 5    | 6   | 7   | 8   | 9   | 10                   | 11    | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19   | 20    | 21   | 22   | 23 | 24 | 25 | 26 |  |  |
|                |                |                | PN kW |   |   |   |      |     |     |     |     |                      |       |     |     |     |     |     |     |     |      |       |      |      |    |    |    |    |  |  |
| 40             | 1500           | 38             |       |   |   |   | 44   | 58  | 82  | 101 | 135 | 171                  | 239   | 298 | 350 | 434 | 609 | 688 | 796 | 955 | 1194 | 1373  | 1671 | 1870 |    |    |    |    |  |  |
|                | 1000           | 25             |       |   |   |   | 29   | 38  | 54  | 67  | 89  | 113                  | 157   | 196 | 230 | 285 | 401 | 453 | 524 | 628 | 785  | 903   | 1099 | 1230 |    |    |    |    |  |  |
|                | 750            | 18.8           |       |   |   |   | 22   | 29  | 40  | 50  | 67  | 85                   | 118   | 148 | 173 | 215 | 301 | 341 | 394 | 472 | 591  | 679   | 827  | 925  |    |    |    |    |  |  |
| 45             | 1500           | 33             |       |   |   |   | 38   | 50  | 71  | 88  | 117 | 149                  | 207   | 259 | 304 | 377 | 529 | 598 | 691 | 829 | 1037 | 1192  | 1451 | 1624 |    |    |    |    |  |  |
|                | 1000           | 22             |       |   |   |   | 25   | 33  | 47  | 59  | 78  | 99                   | 138   | 173 | 203 | 251 | 352 | 399 | 461 | 553 | 691  | 795   | 968  | 1083 |    |    |    |    |  |  |
|                | 750            | 16.7           |       |   |   |   | 19   | 25  | 36  | 45  | 59  | 75                   | 105   | 131 | 154 | 191 | 268 | 303 | 350 | 420 | 525  | 603   | 734  | 822  |    |    |    |    |  |  |
| 50             | 1500           | 30             |       |   |   |   | 35   | 46  | 64  | 80  | 107 | 135                  | 188   | 236 | 276 | 342 | 481 | 543 | 628 | 754 | 942  | 1084  | 1319 | 1476 |    |    |    |    |  |  |
|                | 1000           | 20             |       |   |   |   | 23   | 30  | 43  | 53  | 71  | 90                   | 126   | 157 | 184 | 228 | 320 | 362 | 419 | 503 | 628  | 723   | 880  | 984  |    |    |    |    |  |  |
|                | 750            | 15             |       |   |   |   | 17   | 23  | 32  | 40  | 53  | 68                   | 94    | 118 | 138 | 171 | 240 | 272 | 314 | 377 | 471  | 542   | 660  | 738  |    |    |    |    |  |  |
| 56             | 1500           | 27             |       |   |   |   | 31   | 41  | 58  | 72  | 96  | 122                  | 170   | 212 | 249 | 308 | 433 | 489 | 565 | 679 | 848  | 975   | 1187 | 1329 |    |    |    |    |  |  |
|                | 1000           | 17.9           |       |   |   |   | 21   | 27  | 38  | 48  | 64  | 81                   | 112   | 141 | 165 | 204 | 287 | 324 | 375 | 450 | 562  | 647   | 787  | 881  |    |    |    |    |  |  |
|                | 750            | 13.4           |       |   |   |   | 15   | 20  | 29  | 36  | 48  | 60                   | 84    | 105 | 123 | 153 | 215 | 243 | 281 | 337 | 421  | 484   | 589  | 659  |    |    |    |    |  |  |
| 63             | 1500           | 24             |       |   |   |   | 28   | 36  | 52  | 64  | 85  | 108                  | 151   | 188 | 221 | 274 | 385 | 435 | 503 | 603 | 754  | 867   | 1055 | 1181 |    |    |    |    |  |  |
|                | 1000           | 15.9           |       |   |   |   | 18   | 24  | 34  | 42  | 57  | 72                   | 100   | 125 | 147 | 181 | 255 | 288 | 333 | 400 | 499  | 574   | 699  | 783  |    |    |    |    |  |  |
|                | 750            | 11.9           |       |   |   |   | 14   | 18  | 26  | 32  | 42  | 54                   | 75    | 93  | 110 | 136 | 191 | 216 | 249 | 299 | 374  | 430   | 523  | 586  |    |    |    |    |  |  |
| 71             | 1500           | 21             |       |   |   |   | 24   | 32  | 45  | 56  | 75  | 95                   | 132   | 165 | 194 | 240 | 336 | 380 | 440 | 528 | 660  | 759   | 924  | 1034 |    |    |    |    |  |  |
|                | 1000           | 14.1           |       |   |   |   | 16   | 21  | 30  | 38  | 50  | 63                   | 89    | 111 | 130 | 161 | 226 | 255 | 295 | 354 | 443  | 509   | 620  | 694  |    |    |    |    |  |  |
|                | 750            | 10.6           |       |   |   |   | 12   | 16  | 23  | 28  | 38  | 48                   | 67    | 83  | 98  | 121 | 170 | 192 | 222 | 266 | 333  | 383   | 466  | 522  |    |    |    |    |  |  |
| 80             | 1500           | 18.0           |       |   |   |   | 22   | 29  | 40  | 50  | 67  | 85                   | 118   | 148 | 173 | 215 | 301 | 341 | 394 | 472 | 591  | 679   | 827  | 925  |    |    |    |    |  |  |
|                | 1000           | 12.5           |       |   |   |   | 14   | 19  | 27  | 33  | 45  | 56                   | 79    | 98  | 115 | 143 | 200 | 226 | 262 | 314 | 393  | 452   | 550  | 615  |    |    |    |    |  |  |
|                | 750            | 9.4            |       |   |   |   | 11   | 14  | 20  | 25  | 33  | 42                   | 59    | 74  | 87  | 107 | 151 | 170 | 197 | 236 | 295  | 340   | 413  | 463  |    |    |    |    |  |  |
| 90             | 1500           | 16.7           |       |   |   |   | 19   | 25  | 35  | 45  | 59  | 75                   | 105   | 131 | 154 | 191 | 268 | 303 | 350 | 420 | 507  | 603   | 717  | 822  |    |    |    |    |  |  |
|                | 1000           | 11.1           |       |   |   |   | 13   | 17  | 23  | 30  | 39  | 50                   | 70    | 87  | 102 | 127 | 178 | 201 | 232 | 279 | 337  | 401   | 477  | 546  |    |    |    |    |  |  |
|                | 750            | 8.3            |       |   |   |   | 10   | 13  | 17  | 22  | 29  | 37                   | 52    | 65  | 76  | 95  | 133 | 150 | 174 | 209 | 252  | 300   | 356  | 408  |    |    |    |    |  |  |
| 100            | 1500           | 15             |       |   |   |   | 23   | 32  | 40  | 53  | 68  | 94                   | 118   | 138 | 171 | 240 | 272 | 314 | 355 | 471 | 526  | 660   | 730  |      |    |    |    |    |  |  |
|                | 1000           | 10             |       |   |   |   | 15   | 21  | 27  | 36  | 45  | 63                   | 79    | 92  | 114 | 160 | 181 | 209 | 237 | 314 | 351  | 440   | 487  |      |    |    |    |    |  |  |
|                | 750            | 7.5            |       |   |   |   | 11   | 16  | 20  | 27  | 34  | 47                   | 59    | 69  | 86  | 120 | 136 | 157 | 177 | 236 | 263  | 330   | 365  |      |    |    |    |    |  |  |
| 112            | 1500           | 13.4           |       |   |   |   | 20   | 29  | 35  | 48  | 59  | 84                   | 105   | 123 | 153 | 215 | 243 | 281 | 337 | 421 | 484  | 589   | 659  |      |    |    |    |    |  |  |
|                | 1000           | 8.9            |       |   |   |   | 13   | 19  | 23  | 32  | 39  | 56                   | 70    | 82  | 102 | 143 | 161 | 186 | 224 | 280 | 322  | 391   | 438  |      |    |    |    |    |  |  |
|                | 750            | 6.7            |       |   |   |   | 10   | 14  | 18  | 24  | 29  | 42                   | 53    | 62  | 76  | 107 | 121 | 140 | 168 | 210 | 242  | 295   | 330  |      |    |    |    |    |  |  |
| 125            | 1500           | 12             |       |   |   |   | 26   | 32  | 43  | 54  | 75  | 94                   | 111   | 137 | 192 | 217 | 251 | 302 | 377 | 434 | 528  | 591   |      |      |    |    |    |    |  |  |
|                | 1000           | 8              |       |   |   |   | 17   | 21  | 28  | 36  | 50  | 63                   | 74    | 91  | 128 | 145 | 168 | 201 | 251 | 289 | 352  | 394   |      |      |    |    |    |    |  |  |
|                | 750            | 6              |       |   |   |   | 13   | 16  | 21  | 27  | 38  | 47                   | 55    | 68  | 96  | 109 | 126 | 151 | 188 | 217 | 264  | 295   |      |      |    |    |    |    |  |  |
| 140            | 1500           | 10.7           |       |   |   |   | 23   | 29  | 38  | 48  | 67  | 84                   | 99    | 122 | 171 | 194 | 224 | 269 | 336 | 387 | 471  | 527   |      |      |    |    |    |    |  |  |
|                | 1000           | 7.1            |       |   |   |   | 15   | 19  | 25  | 32  | 45  | 56                   | 65    | 81  | 114 | 129 | 149 | 178 | 223 | 256 | 312  | 349   |      |      |    |    |    |    |  |  |
|                | 750            | 5.4            |       |   |   |   | 12   | 14  | 19  | 24  | 34  | 42                   | 50    | 62  | 87  | 98  | 113 | 136 | 170 | 195 | 237  | 266   |      |      |    |    |    |    |  |  |
| 160            | 1500           | 9.4            |       |   |   |   | 20   | 25  | 33  | 42  | 59  | 74                   | 87    | 107 | 151 | 170 | 197 | 236 | 295 | 340 | 413  | 463   |      |      |    |    |    |    |  |  |
|                | 1000           | 6.3            |       |   |   |   | 14   | 17  | 22  | 28  | 40  | 49                   | 58    | 72  | 101 | 114 | 132 | 158 | 198 | 228 | 277  | 310   |      |      |    |    |    |    |  |  |
|                | 750            | 4.7            |       |   |   |   | 10   | 13  | 17  | 21  | 30  | 37                   | 43    | 54  | 75  | 85  | 98  | 118 | 148 | 170 | 207  | 231   |      |      |    |    |    |    |  |  |
| 180            | 1500           | 8.3            |       |   |   |   | 18   | 22  | 30  | 37  | 52  | 65                   | 76    | 95  | 133 | 150 | 174 | 209 | 261 | 300 | 365  | 408   |      |      |    |    |    |    |  |  |
|                | 1000           | 5.6            |       |   |   |   | 12   | 15  | 20  | 25  | 35  | 44                   | 52    | 64  | 90  | 101 | 117 | 141 | 176 | 202 | 246  | 276   |      |      |    |    |    |    |  |  |
|                | 750            | 4.2            |       |   |   |   | 9.0  | 11  | 15  | 19  | 26  | 33                   | 39    | 48  | 67  | 76  | 88  | 106 | 132 | 152 | 185  | 207   |      |      |    |    |    |    |  |  |
| 200            | 1500           | 7.5            |       |   |   |   | 16   | 20  | 27  | 34  | 47  | 59                   | 69    | 86  | 120 | 136 | 157 | 188 | 236 | 271 | 330  | 369   |      |      |    |    |    |    |  |  |
|                | 1000           | 5              |       |   |   |   | 11   | 13  | 18  | 28  | 31  | 39                   | 46    | 57  | 80  | 91  | 105 | 126 | 157 | 181 | 220  | 246   |      |      |    |    |    |    |  |  |
|                | 750            | 3.8            |       |   |   |   | 8.2  | 10  | 14  | 17  | 24  | 30                   | 35    | 43  | 61  | 69  | 80  | 95  | 119 | 137 | 167  | 187   |      |      |    |    |    |    |  |  |
| 224            | 1500           | 6.7            |       |   |   |   | 14   | 18  | 24  | 30  | 42  | 53                   | 62    | 76  | 107 | 121 | 140 | 168 | 210 | 242 | 295  | 330   |      |      |    |    |    |    |  |  |
|                | 1000           | 4.5            |       |   |   |   | 10   | 12  | 16  | 20  | 28  | 35                   | 41    | 51  | 72  | 82  | 94  | 113 | 141 | 163 | 198  | 221   |      |      |    |    |    |    |  |  |
|                | 750            | 3.3            |       |   |   |   | 7.1  | 8.8 | 12  | 15  | 21  | 26                   | 30    | 38  | 53  | 60  | 69  | 83  | 104 | 119 | 145  | 162   |      |      |    |    |    |    |  |  |
| 250            | 1500           | 6              |       |   |   |   | 13   | 16  | 21  | 27  | 38  | 47                   | 55    | 68  | 96  | 109 | 126 | 151 | 188 | 217 | 264  | 295   |      |      |    |    |    |    |  |  |
|                | 1000           | 4              |       |   |   |   | 8.6  | 11  | 14  | 18  | 25  | 31                   | 37    | 46  | 64  | 72  | 84  | 101 | 126 | 145 | 176  | 197   |      |      |    |    |    |    |  |  |
|                | 750            | 3              |       |   |   |   | 6.4  | 8.0 | 11  | 14  | 19  | 24                   | 28    | 34  | 48  | 54  | 63  | 75  | 94  | 108 | 132  | 148   |      |      |    |    |    |    |  |  |
| 280            | 1500           | 5.4            |       |   |   |   | 12   | 14  | 19  | 24  | 34  | 42                   | 50    | 62  | 87  | 98  | 113 | 136 | 170 | 195 | 237  | 266   |      |      |    |    |    |    |  |  |
|                | 1000           | 3.6            |       |   |   |   | 7.7  | 9.6 | 13  | 16  | 23  | 28                   | 33    | 41  | 58  | 65  | 75  | 90  | 113 | 130 | 158  | 177   |      |      |    |    |    |    |  |  |
|                | 750            | 2.7            |       |   |   |   | 5.8  | 7.2 | 10  | 12  | 17  | 21                   | 25    | 31  | 43  | 49  | 57  | 68  | 85  | 98  | 119  | 133   |      |      |    |    |    |    |  |  |
| 315            | 1500           | 4.8            |       |   |   |   | 10.3 | 13  | 17  | 22  | 30  | 38                   | 44    | 55  | 77  | 87  | 101 | 121 | 151 | 173 | 211  | 236   |      |      |    |    |    |    |  |  |
|                | 1000           | 3.2            |       |   |   |   | 7    | 8.5 | 11  | 14  | 20  | 25                   | 29    | 37  | 51  | 58  | 67  | 80  | 101 | 116 | 141  | 157   |      |      |    |    |    |    |  |  |
|                | 750            | 2.4            |       |   |   |   | 5.2  | 6.4 | 8.5 | 11  | 15  | 19                   | 22    | 27  | 38  | 43  | 50  | 60  | 75  | 87  | 106  | 118   |      |      |    |    |    |    |  |  |
| 355            | 1500           | 4.2            |       |   |   |   | 8.6  | 11  | 15  | 19  | 26  | 33                   | 39    | 48  | 62  | 76  | 84  | 106 | 128 | 152 | 180  | 207</ |      |      |    |    |    |    |  |  |

平行轴齿轮箱 Helical Gear Units

热容量 Thermal capacities

类型 YFH3..., YFH4

Types

规格 5...26

Sizes

|                |                 | 热容量 P <sub>a</sub> , kW Thermal Capacities PG                                                                                                                                                                                                                                                         |   |   |   |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |                            |    |    |    | kW |  |
|----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------------|----|----|----|----|--|
| k <sub>n</sub> |                 | 齿轮箱规格 Sizes                                                                                                                                                                                                                                                                                           |   |   |   |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |                            |    |    |    |    |  |
|                |                 | 1                                                                                                                                                                                                                                                                                                     | 2 | 3 | 4 | 5    | 6    | 7    | 8    | 9    | 10   | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23                         | 24 | 25 | 26 |    |  |
|                |                 | 热容量 P <sub>a</sub> (单位为kW)取决于冷却方式: P <sub>a1</sub> :无辅助冷却装置; P <sub>a2</sub> :带冷却风扇; P <sub>a3</sub> :带冷却盘管; P <sub>a4</sub> :带风扇和冷却盘管。<br>PG1: With out auxili; arycooling; PG2: With fan Thermal Ca Pacity de Pendant on kind of cooling;<br>PG3: With cooling coil; PG4: With fan and cooling coil |   |   |   |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |                            |    |    |    |    |  |
| 40             | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 54.3 | 61.8 | 86.3 | 96.6 | 111  | 121  | 162 | 204 | 228 | 258 | 330 | 360 | 382 | 430 | 527 | 562 | 631 | 673 |                            |    |    |    |    |  |
|                | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 66.0 | 76.9 | 115  | 134  | 150  | 165  | 216 | 271 | 309 | 368 | 470 | 512 | 550 | 606 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 83.6 | 93.3 | 135  | 149  | 190  | 253  | 315 | 356 | 383 | 429 | 617 | 666 | 697 | 774 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 92.4 | 105  | 156  | 177  | 219  | 286  | 355 | 406 | 443 | 511 | 722 | 780 | 823 | 906 |     |     |     |     |                            |    |    |    |    |  |
| 45             | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 52.3 | 60.1 | 79.9 | 86.7 | 106  | 116  | 161 | 194 | 217 | 247 | 321 | 344 | 378 | 412 | 521 | 542 | 623 | 666 |                            |    |    |    |    |  |
|                | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 63.5 | 74.5 | 107  | 122  | 142  | 157  | 215 | 255 | 291 | 345 | 443 | 496 | 542 | 585 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 79.7 | 89.9 | 129  | 144  | 179  | 244  | 307 | 340 | 362 | 408 | 606 | 631 | 677 | 727 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 88.1 | 101  | 149  | 170  | 206  | 275  | 347 | 386 | 417 | 481 | 697 | 745 | 800 | 856 |     |     |     |     |                            |    |    |    |    |  |
| 50             | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 50.8 | 57.4 | 73.9 | 84.8 | 102  | 110  | 156 | 189 | 212 | 238 | 312 | 340 | 369 | 407 | 493 | 536 | 611 | 657 |                            |    |    |    |    |  |
|                | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 60.8 | 70.7 | 100  | 115  | 135  | 147  | 206 | 245 | 281 | 322 | 413 | 480 | 490 | 570 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 78.6 | 84.4 | 122  | 136  | 180  | 228  | 304 | 322 | 359 | 387 | 607 | 615 | 666 | 716 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 86.1 | 94.4 | 141  | 159  | 205  | 256  | 342 | 364 | 411 | 450 | 682 | 720 | 757 | 838 |     |     |     |     |                            |    |    |    |    |  |
| 56             | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 48.4 | 55.3 | 71.0 | 82.1 | 97.4 | 106  | 146 | 182 | 204 | 227 | 305 | 339 | 350 | 398 | 470 | 507 | 600 | 643 |                            |    |    |    |    |  |
|                | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 57.6 | 67.9 | 94.9 | 110  | 127  | 143  | 189 | 240 | 262 | 297 | 386 | 454 | 460 | 520 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 74.4 | 80.4 | 117  | 130  | 170  | 217  | 280 | 319 | 342 | 367 | 566 | 616 | 616 | 697 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 81.3 | 89.8 | 135  | 151  | 192  | 245  | 313 | 362 | 386 | 420 | 627 | 702 | 699 | 789 |     |     |     |     |                            |    |    |    |    |  |
| 63             | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 45.8 | 53.6 | 66.4 | 78.4 | 92.8 | 105  | 139 | 177 | 194 | 221 | 290 | 321 | 327 | 375 | 454 | 500 | 588 | 622 | 根据用户要求<br>供货<br>on request |    |    |    |    |  |
|                | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 54.0 | 65.0 | 88.2 | 105  | 120  | 139  | 173 | 230 | 249 | 278 | 365 | 394 | 417 | 460 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 69.6 | 79.3 | 108  | 124  | 159  | 217  | 260 | 315 | 319 | 364 | 528 | 578 | 571 | 647 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 75.8 | 87.9 | 124  | 144  | 179  | 242  | 286 | 355 | 360 | 407 | 584 | 633 | 638 | 710 |     |     |     |     |                            |    |    |    |    |  |
| 71             | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 46.1 | 51.1 | 64.9 | 75.0 | 91.1 | 101  | 138 | 168 | 190 | 212 | 282 | 301 | 321 | 352 | 436 | 469 | 566 | 598 |                            |    |    |    |    |  |
|                | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 52.8 | 61.5 | 83.8 | 97.7 | 118  | 133  | 166 | 228 | 245 | 271 | 335 | 378 | 384 | 440 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 70.8 | 74.9 | 106  | 118  | 157  | 204  | 258 | 288 | 309 | 346 | 513 | 537 | 562 | 601 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 75.8 | 82.7 | 120  | 135  | 177  | 228  | 279 | 333 | 350 | 390 | 553 | 595 | 609 | 667 |     |     |     |     |                            |    |    |    |    |  |
| 80             | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 43.6 | 48.3 | 63.4 | 70.3 | 86.5 | 95.9 | 130 | 159 | 185 | 202 | 269 | 291 | 306 | 345 | 411 | 449 | 542 | 585 |                            |    |    |    |    |  |
|                | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 51.1 | 57.6 | 82.6 | 93.0 | 112  | 121  | 165 | 201 | 237 | 260 | 325 | 358 | 365 | 423 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 65.8 | 70.4 | 103  | 109  | 149  | 194  | 239 | 267 | 297 | 324 | 487 | 521 | 531 | 586 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 71.4 | 77.4 | 117  | 126  | 168  | 213  | 265 | 299 | 336 | 368 | 529 | 571 | 575 | 645 |     |     |     |     |                            |    |    |    |    |  |
| 90             | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 43.2 | 48.8 | 60.1 | 66.7 | 81.4 | 94.2 | 127 | 154 | 175 | 199 | 255 | 279 | 286 | 329 | 389 | 422 | 524 | 560 |                            |    |    |    |    |  |
|                | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 50.3 | 56.4 | 77   | 88.6 | 108  | 119  | 160 | 198 | 230 | 254 | 310 | 334 | 340 | 395 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 64.6 | 71.4 | 95.7 | 107  | 138  | 192  | 230 | 262 | 275 | 313 | 450 | 492 | 495 | 556 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 69.9 | 77.1 | 109  | 123  | 160  | 211  | 255 | 295 | 316 | 354 | 505 | 533 | 535 | 606 |     |     |     |     |                            |    |    |    |    |  |
| 100            | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 46.1 | 53.2 | 67.4 | 72.5 | 89.5 | 106  | 145 | 154 | 194 | 213 | 263 | 246 | 307 | 331 | 400 | 430 | 543 |     |                            |    |    |    |    |  |
|                | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 54.6 | 62.5 | 87.5 | 112  | 178  | 182  | 243 | 243 | 302 | 302 | 458 | 369 | 369 | 458 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 66.5 | 76.5 | 104  | 178  | 195  | 245  | 273 | 302 | 302 | 339 | 498 | 517 | 517 | 563 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 72.8 | 82.8 | 119  | 195  | 211  | 273  | 302 | 339 | 339 | 376 | 535 | 563 | 563 | 606 |     |     |     |     |                            |    |    |    |    |  |
| 112            | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 45.9 | 52.6 | 63.7 | 71.3 | 84.4 | 106  | 140 | 152 | 183 | 206 | 220 | 239 | 263 | 321 | 335 | 421 | 445 |     |                            |    |    |    |    |  |
|                | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 54.0 | 62.0 | 82.0 | 105  | 174  | 174  | 235 | 235 | 279 | 279 | 435 | 463 | 463 | 517 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 65.9 | 76.8 | 104  | 168  | 236  | 236  | 279 | 279 | 318 | 318 | 475 | 503 | 503 | 556 |     |     |     |     |                            |    |    |    |    |  |
|                | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 71.6 | 81.6 | 111  | 183  | 261  | 261  | 318 | 318 | 357 | 357 | 515 | 543 | 543 | 596 |     |     |     |     |                            |    |    |    |    |  |
| 125            | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 51.5 | 57.5 | 70.2 | 75.3 | 103  | 117  | 148 | 161 | 200 | 216 | 232 | 255 | 314 | 331 | 416 | 436 |     |     |                            |    |    |    |    |  |
| 140            | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 49.8 | 56.6 | 68.9 | 74.3 | 101  | 118  | 144 | 159 | 194 | 207 | 225 | 247 | 293 | 312 | 392 | 424 |     |     |                            |    |    |    |    |  |
| 160            | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 48.5 | 55.4 | 66.1 | 73.3 | 97.9 | 115  | 138 | 155 | 187 | 201 | 216 | 239 | 282 | 302 | 380 | 406 |     |     |                            |    |    |    |    |  |
| 180            | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 46.9 | 53.6 | 64.1 | 71.6 | 95.1 | 113  | 133 | 151 | 185 | 194 | 214 | 230 | 267 | 285 | 375 | 392 |     |     |                            |    |    |    |    |  |
| 200            | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 46.1 | 52.1 | 62.7 | 69.0 | 91.9 | 109  | 131 | 145 | 182 | 192 | 212 | 229 | 259 | 275 | 369 | 386 |     |     |                            |    |    |    |    |  |
| 224            | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 43.7 | 50.6 | 60.1 | 66.7 | 88.3 | 106  | 127 | 140 | 173 | 189 | 200 | 225 | 252 | 267 | 353 | 382 |     |     |                            |    |    |    |    |  |
| 250            | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 41.9 | 49.7 | 57.6 | 65.3 | 83.5 | 102  | 121 | 138 | 164 | 178 | 191 | 213 | 242 | 260 | 335 | 365 |     |     |                            |    |    |    |    |  |
| 280            | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 40.3 | 47.2 | 56.7 | 62.7 | 80.7 | 98.1 | 117 | 133 | 161 | 170 | 186 | 202 | 233 | 248 | 324 | 346 |     |     |                            |    |    |    |    |  |
| 315            | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 39.3 | 45.1 | 53.8 | 60.1 | 79.1 | 92.8 | 112 | 128 | 153 | 166 | 177 | 198 | 228 | 242 | 314 | 334 |     |     |                            |    |    |    |    |  |
| 355            | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 37.3 | 43.5 | 53.2 | 59.2 | 75.2 | 89.9 | 107 | 123 | 148 | 159 | 173 | 189 | 216 | 236 | 299 | 324 |     |     |                            |    |    |    |    |  |
| 400            | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 42.4 | 48.4 | 58.2 | 64.2 | 83.2 | 98.2 | 118 | 138 | 168 | 178 | 198 | 228 | 248 | 318 | 338 |     |     |     |                            |    |    |    |    |  |
| 450            | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                                       |   |   |   | 40.1 | 46.1 | 55.4 | 61.4 | 80.4 | 95.4 | 115 | 135 | 165 | 175 | 195 | 225 | 245 | 315 | 335 |     |     |     |                            |    |    |    |    |  |

直交轴齿轮箱 Bevel-helical Gear Units

额定功率 Nom Power Ratings

类型 YFB2..., YFB3...

Types

规格 1...26

Sizes

|                |                | 额定功率 PN        |        |     |      |     |     |     |     |     |     | Nom Power Ratings PN |       |      |      |      |      |      |      |      |      | kW   |      |      |    |    |    |    |
|----------------|----------------|----------------|--------|-----|------|-----|-----|-----|-----|-----|-----|----------------------|-------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|----|
| i <sub>n</sub> | n <sub>1</sub> | n <sub>2</sub> | 齿轮箱规格  |     |      |     |     |     |     |     |     |                      | Sizes |      |      |      |      |      |      |      |      |      |      |      |    |    |    |    |
|                |                |                | 1      | 2   | 3    | 4   | 5   | 6   | 7   | 8   | 9   | 10                   | 11    | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23 | 24 | 25 | 26 |
|                |                |                | PN, kW |     |      |     |     |     |     |     |     |                      |       |      |      |      |      |      |      |      |      |      |      |      |    |    |    |    |
| 5              | 1500           | 300            | 36     | 63  | 97   | 182 | 295 |     | 559 |     | 880 |                      | 1351  |      | 2073 |      |      |      |      |      |      |      |      |      |    |    |    |    |
|                | 1000           | 200            | 24     | 42  | 65   | 121 | 197 |     | 373 |     | 586 |                      | 901   |      | 1382 |      | 2555 |      |      |      |      |      |      |      |    |    |    |    |
|                | 750            | 150            | 18     | 31  | 49   | 91  | 148 |     | 280 |     | 440 |                      | 675   |      | 1037 |      | 1916 |      |      |      |      |      |      |      |    |    |    |    |
| 5.6            | 1500           | 268            | 32     | 56  | 87   | 163 | 264 |     | 500 |     | 786 |                      | 1263  |      | 1880 |      |      |      |      |      |      |      |      |      |    |    |    |    |
|                | 1000           | 179            | 22     | 37  | 58   | 109 | 176 |     | 334 |     | 525 |                      | 843   |      | 1256 |      | 2287 |      |      |      |      |      |      |      |    |    |    |    |
|                | 750            | 134            | 16     | 28  | 43   | 81  | 132 |     | 250 |     | 393 |                      | 631   |      | 940  |      | 1712 | 1894 | 2736 |      |      |      |      |      |    |    |    |    |
| 6.3            | 1500           | 238            | 29     | 50  | 77   | 145 | 234 | 299 | 444 | 556 | 698 | 887                  | 1171  | 1371 | 1769 | 2044 |      |      |      |      |      |      |      |      |    |    |    |    |
|                | 1000           | 159            | 19     | 33  | 52   | 97  | 157 | 200 | 296 | 371 | 466 | 593                  | 783   | 916  | 1182 | 1365 | 2164 | 2348 |      |      |      |      |      |      |    |    |    |    |
|                | 750            | 119            | 14     | 25  | 39   | 72  | 117 | 150 | 222 | 278 | 349 | 444                  | 586   | 685  | 885  | 1022 | 1620 | 1757 | 2430 |      |      |      |      |      |    |    |    |    |
| 7.1            | 1500           | 211            | 25     | 44  | 68   | 128 | 208 | 265 | 393 | 493 | 619 | 787                  | 1083  | 1259 | 1613 | 1856 |      |      |      |      |      |      |      |      |    |    |    |    |
|                | 1000           | 141            | 17     | 30  | 46   | 86  | 139 | 177 | 263 | 329 | 413 | 526                  | 723   | 842  | 1078 | 1240 | 1949 | 2141 | 2879 |      |      |      |      |      |    |    |    |    |
|                | 750            | 106            | 13     | 22  | 34   | 64  | 104 | 133 | 198 | 248 | 311 | 395                  | 544   | 633  | 810  | 932  | 1465 | 1609 | 2164 | 2553 |      |      |      |      |    |    |    |    |
| 8              | 1500           | 188            | 23     | 39  | 61   | 114 | 185 | 236 | 350 | 439 | 551 | 701                  | 994   | 1161 | 1516 | 1732 | 2598 |      |      |      |      |      |      |      |    |    |    |    |
|                | 1000           | 125            | 15     | 26  | 41   | 76  | 123 | 157 | 233 | 292 | 366 | 466                  | 661   | 772  | 1008 | 1152 | 1728 | 1937 | 2552 |      |      |      |      |      |    |    |    |    |
|                | 750            | 94             | 11     | 20  | 31   | 57  | 93  | 118 | 175 | 219 | 276 | 350                  | 497   | 581  | 758  | 866  | 1299 | 1457 | 1919 | 2264 |      |      |      |      |    |    |    |    |
| 9              | 1500           | 167            | 20     | 35  | 54   | 101 | 164 | 210 | 311 | 390 | 490 | 623                  | 883   | 1067 | 1364 | 1591 | 2309 | 2588 |      |      |      |      |      |      |    |    |    |    |
|                | 1000           | 111            | 13     | 23  | 36   | 67  | 109 | 139 | 207 | 259 | 325 | 414                  | 587   | 709  | 907  | 1058 | 1534 | 1720 | 2266 | 2673 |      |      |      |      |    |    |    |    |
|                | 750            | 83             | 10     | 17  | 27   | 50  | 82  | 104 | 155 | 194 | 243 | 309                  | 439   | 530  | 678  | 791  | 1147 | 1286 | 1695 | 1999 |      |      |      |      |    |    |    |    |
| 10             | 1500           | 150            | 18     | 31  | 49   | 91  | 148 | 188 | 280 | 350 | 440 | 559                  | 793   | 974  | 1225 | 1492 | 2073 | 2325 |      |      |      |      |      |      |    |    |    |    |
|                | 1000           | 100            | 12     | 21  | 32   | 61  | 98  | 126 | 186 | 234 | 293 | 373                  | 529   | 649  | 817  | 995  | 1382 | 1550 | 2042 | 2408 |      |      |      |      |    |    |    |    |
|                | 750            | 75             | 9      | 16  | 24   | 46  | 74  | 94  | 140 | 175 | 220 | 280                  | 397   | 487  | 613  | 746  | 1037 | 1162 | 1531 | 1806 |      |      |      |      |    |    |    |    |
| 11.2           | 1500           | 134            | 16     | 28  | 43   | 81  | 132 | 168 | 250 | 313 | 393 | 500                  | 709   | 870  | 1094 | 1368 | 1852 | 2077 |      |      |      |      |      |      |    |    |    |    |
|                | 1000           | 89             | 11     | 19  | 29   | 54  | 88  | 112 | 166 | 208 | 261 | 332                  | 471   | 578  | 727  | 909  | 1230 | 1379 | 1817 | 2143 |      |      |      |      |    |    |    |    |
|                | 750            | 67             | 8.1    | 14  | 22   | 41  | 66  | 84  | 125 | 156 | 196 | 250                  | 354   | 435  | 547  | 684  | 926  | 1038 | 1368 | 1614 |      |      |      |      |    |    |    |    |
| 12.5           | 1500           | 120            | 14     | 25  | 39   | 69  | 118 | 151 | 214 | 280 | 352 | 447                  | 635   | 779  | 980  | 1225 | 1659 | 1860 | 2450 |      |      |      |      |      |    |    |    |    |
|                | 1000           | 80             | 10     | 17  | 26   | 46  | 79  | 101 | 142 | 187 | 235 | 298                  | 423   | 519  | 653  | 817  | 1106 | 1240 | 1634 | 1927 | 2094 |      | 2848 |      |    |    |    |    |
|                | 750            | 60             | 7.2    | 13  | 19   | 35  | 59  | 75  | 107 | 140 | 176 | 224                  | 317   | 390  | 490  | 613  | 829  | 930  | 1225 | 1445 | 1571 |      | 2136 |      |    |    |    |    |
| 14             | 1500           | 107            | 13     | 22  | 35   | 67  | 110 | 134 | 204 | 250 | 331 | 399                  | 594   | 695  | 896  | 1092 | 1535 | 1658 | 2185 | 2577 |      |      |      |      |    |    |    |    |
|                | 1000           | 71             | 8.5    | 15  | 23   | 45  | 73  | 89  | 135 | 166 | 219 | 265                  | 394   | 461  | 595  | 725  | 1019 | 1100 | 1450 | 1710 | 1948 | 2193 | 2676 |      |    |    |    |    |
|                | 750            | 54             | 6.5    | 11  | 18   | 34  | 55  | 68  | 103 | 126 | 167 | 201                  | 300   | 351  | 452  | 551  | 775  | 837  | 1103 | 1301 | 1481 | 1668 | 2036 | 2290 |    |    |    |    |
| 16             | 1500           | 94             | 11     | 19  | 31   | 61  | 100 | 118 | 188 | 212 | 305 | 350                  | 551   | 610  | 817  | 960  | 1398 | 1516 | 1969 | 2264 |      |      |      |      |    |    |    |    |
|                | 1000           | 63             | 7.3    | 13  | 20   | 41  | 67  | 79  | 126 | 142 | 205 | 235                  | 369   | 409  | 548  | 643  | 937  | 1016 | 1319 | 1517 | 1814 | 2032 | 2507 | 2784 |    |    |    |    |
|                | 750            | 47             | 5.4    | 9.6 | 15   | 31  | 50  | 59  | 94  | 106 | 153 | 175                  | 276   | 305  | 408  | 480  | 699  | 758  | 984  | 1132 | 1353 | 1516 | 1870 | 2077 |    |    |    |    |
| 18             | 1500           | 83             | 9      | 16  | 26   | 56  | 92  | 110 | 172 | 201 | 282 | 326                  | 504   | 565  | 739  | 869  | 1286 | 1391 | 1738 | 2086 |      |      |      |      |    |    |    |    |
|                | 1000           | 56             | 6      | 11  | 18   | 38  | 62  | 74  | 116 | 135 | 191 | 220                  | 340   | 381  | 498  | 586  | 868  | 938  | 1173 | 1407 | 1689 | 1876 | 2346 | 2568 |    |    |    |    |
|                | 750            | 42             | 4.5    | 7.9 | 13   | 28  | 47  | 55  | 87  | 102 | 143 | 165                  | 255   | 286  | 374  | 440  | 651  | 704  | 880  | 1055 | 1267 | 1407 | 1759 | 1926 |    |    |    |    |
| 20             | 1500           | 75             |        |     | 28   | 52  | 86  | 104 | 161 | 188 | 267 | 309                  | 471   | 534  | 691  | 809  | 1202 | 1312 | 1571 | 1885 |      |      |      |      |    |    |    |    |
|                | 1000           | 50             |        |     | 19   | 35  | 58  | 69  | 107 | 125 | 178 | 206                  | 314   | 356  | 461  | 539  | 801  | 874  | 1047 | 1257 | 1571 | 1738 | 2199 | 2382 |    |    |    |    |
|                | 750            | 38             |        |     | 14   | 26  | 44  | 53  | 82  | 95  | 135 | 156                  | 239   | 271  | 350  | 410  | 609  | 665  | 796  | 955  | 1194 | 1321 | 1671 | 1810 |    |    |    |    |
| 22.4           | 1500           | 67             |        |     | 25   | 46  | 77  | 97  | 144 | 174 | 239 | 288                  | 421   | 505  | 617  | 744  | 1073 | 1214 | 1403 | 1684 | 2105 | 2420 |      |      |    |    |    |    |
|                | 1000           | 45             |        |     | 17   | 31  | 52  | 65  | 97  | 117 | 160 | 193                  | 283   | 339  | 415  | 499  | 721  | 815  | 942  | 1131 | 1414 | 1626 | 1979 | 2215 |    |    |    |    |
|                | 750            | 33             |        |     | 12   | 23  | 38  | 48  | 71  | 86  | 117 | 142                  | 207   | 249  | 304  | 366  | 529  | 598  | 691  | 829  | 1037 | 1192 | 1451 | 1624 |    |    |    |    |
| 25             | 1500           | 60             |        |     | 23   | 41  | 69  | 91  | 129 | 160 | 214 | 270                  | 377   | 471  | 553  | 685  | 961  | 1087 | 1257 | 1508 | 1885 | 2168 |      |      |    |    |    |    |
|                | 1000           | 40             |        |     | 15   | 28  | 46  | 61  | 86  | 107 | 142 | 180                  | 251   | 314  | 369  | 457  | 641  | 725  | 838  | 1005 | 1257 | 1445 | 1759 | 1969 |    |    |    |    |
|                | 750            | 30             |        |     | 11   | 21  | 35  | 46  | 64  | 80  | 107 | 135                  | 188   | 236  | 276  | 342  | 481  | 543  | 628  | 754  | 942  | 1084 | 1319 | 1476 |    |    |    |    |
| 28             | 1500           | 54             |        |     | 20   | 37  | 62  | 82  | 116 | 144 | 192 | 243                  | 339   | 424  | 498  | 616  | 865  | 978  | 1131 | 1357 | 1696 | 1950 | 2375 |      |    |    |    |    |
|                | 1000           | 36             |        |     | 14   | 25  | 41  | 55  | 77  | 96  | 128 | 162                  | 226   | 283  | 332  | 411  | 577  | 652  | 754  | 905  | 1131 | 1301 | 1583 | 1772 |    |    |    |    |
|                | 750            | 27             |        |     | 10.2 | 19  | 31  | 41  | 58  | 72  | 96  | 122                  | 170   | 212  | 249  | 308  | 433  | 489  | 565  | 679  | 848  | 975  | 1187 | 1329 |    |    |    |    |

根据用户要求  
供货  
on request

直交轴齿轮箱 Bevel-helical Gear Units

热容量 Thermal capacities

类型 YFB2..., YFB3..

Types

规格 1...26

Sizes

|      |                 | 热容量 P <sub>0</sub> , kW                                                                                                                                                                                                                                                                          |      |      |      |      |      |     |     |     |     | Thermal Capacities PG |      |      |      |      |      |      |      |     |     | kW  |     |    |    |    |    |
|------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|-----|-----|-----|-----|-----------------------|------|------|------|------|------|------|------|-----|-----|-----|-----|----|----|----|----|
| k    | w               | 齿轮箱规格                                                                                                                                                                                                                                                                                            |      |      |      |      |      |     |     |     |     | Sizes                 |      |      |      |      |      |      |      |     |     |     |     |    |    |    |    |
|      |                 | 1                                                                                                                                                                                                                                                                                                | 2    | 3    | 4    | 5    | 6    | 7   | 8   | 9   | 10  | 11                    | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19  | 20  | 21  | 22  | 23 | 24 | 25 | 26 |
|      |                 | 热容量 P <sub>0</sub> (单位为kW)取决于冷却方式: P <sub>01</sub> :无辅助冷却装置; P <sub>02</sub> :带冷却风扇; P <sub>03</sub> :带冷却盘管; P <sub>04</sub> :带风扇和冷却盘管<br>PG1:With out auxilli; arycooling; PG2:With fan<br>Thermal Ca Pacity de Pendent o kind of cooling; PG3:With cooling coil; PG4:With fan and cooling coil |      |      |      |      |      |     |     |     |     |                       |      |      |      |      |      |      |      |     |     |     |     |    |    |    |    |
| 5    | P <sub>01</sub> | 34.9                                                                                                                                                                                                                                                                                             | 45.6 | 59.7 | 83.4 | 106  |      | 152 |     | 186 |     | 280                   |      | 360  |      | 517  |      |      |      |     |     |     |     |    |    |    |    |
|      | P <sub>02</sub> | 38.1                                                                                                                                                                                                                                                                                             | 50.6 | 73.1 | 115  | 160  |      | 218 |     | 236 |     | 478                   |      | 659  |      | 828  |      |      |      |     |     |     |     |    |    |    |    |
|      | P <sub>03</sub> | 41.1                                                                                                                                                                                                                                                                                             | 59.2 | 109  | 190  | 285  |      | 419 |     | 495 |     | 805                   |      | 1403 |      | 1540 |      |      |      |     |     |     |     |    |    |    |    |
|      | P <sub>04</sub> | 45.0                                                                                                                                                                                                                                                                                             | 67.5 | 118  | 206  | 314  |      | 470 |     | 594 |     | 1032                  |      | 1680 |      | 1845 |      |      |      |     |     |     |     |    |    |    |    |
| 5.6  | P <sub>01</sub> | 33.4                                                                                                                                                                                                                                                                                             | 44.0 | 57.6 | 77.1 | 107  |      | 145 |     | 180 |     | 276                   |      | 376  |      | 531  | 558  | 570  |      |     |     |     |     |    |    |    |    |
|      | P <sub>02</sub> | 36.0                                                                                                                                                                                                                                                                                             | 48.5 | 70.4 | 106  | 150  |      | 210 |     | 225 |     | 488                   |      | 658  |      | 818  | 858  | 869  |      |     |     |     |     |    |    |    |    |
|      | P <sub>03</sub> | 41.6                                                                                                                                                                                                                                                                                             | 58.4 | 101  | 171  | 261  |      | 384 |     | 479 |     | 826                   |      | 1355 |      | 1650 | 1595 | 2187 |      |     |     |     |     |    |    |    |    |
|      | P <sub>04</sub> | 45.0                                                                                                                                                                                                                                                                                             | 64.8 | 112  | 186  | 288  |      | 431 |     | 545 |     | 983                   |      | 1617 |      | 1856 | 1870 | 2224 |      |     |     |     |     |    |    |    |    |
| 6.3  | P <sub>01</sub> | 32.0                                                                                                                                                                                                                                                                                             | 39.7 | 52.2 | 73.3 | 99.8 | 112  | 139 | 160 | 176 | 194 | 273                   | 339  | 355  | 412  | 523  | 571  | 591  |      |     |     |     |     |    |    |    |    |
|      | P <sub>02</sub> | 34.7                                                                                                                                                                                                                                                                                             | 43.7 | 63.5 | 100  | 140  | 173  | 197 | 210 | 233 | 252 | 446                   | 540  | 597  | 673  | 820  | 848  | 871  |      |     |     |     |     |    |    |    |    |
|      | P <sub>03</sub> | 38.1                                                                                                                                                                                                                                                                                             | 51.2 | 91.8 | 159  | 238  | 350  | 350 | 440 | 497 | 614 | 735                   | 1025 | 1192 | 1414 | 1540 | 1540 | 2016 |      |     |     |     |     |    |    |    |    |
|      | P <sub>04</sub> | 41.0                                                                                                                                                                                                                                                                                             | 57.3 | 99.0 | 173  | 264  | 384  | 390 | 497 | 557 | 689 | 868                   | 1215 | 1412 | 1691 | 1877 | 1902 | 2273 |      |     |     |     |     |    |    |    |    |
| 7.1  | P <sub>01</sub> | 30.7                                                                                                                                                                                                                                                                                             | 39.4 | 51.5 | 68.8 | 91.2 | 106  | 132 | 155 | 168 | 188 | 284                   | 350  | 381  | 429  | 534  | 586  | 603  | 627  |     |     |     |     |    |    |    |    |
|      | P <sub>02</sub> | 35.4                                                                                                                                                                                                                                                                                             | 43.5 | 62.7 | 93.6 | 131  | 162  | 186 | 201 | 225 | 237 | 440                   | 527  | 601  | 667  | 787  | 838  | 861  | 880  |     |     |     |     |    |    |    |    |
|      | P <sub>03</sub> | 37.0                                                                                                                                                                                                                                                                                             | 50.4 | 90.9 | 147  | 218  | 323  | 318 | 380 | 421 | 561 | 711                   | 1011 | 1164 | 1374 | 1528 | 1518 | 1889 | 2161 |     |     |     |     |    |    |    |    |
|      | P <sub>04</sub> | 39.0                                                                                                                                                                                                                                                                                             | 57.0 | 97.8 | 160  | 240  | 352  | 360 | 460 | 498 | 633 | 837                   | 1203 | 1377 | 1628 | 1789 | 1816 | 2183 | 2454 |     |     |     |     |    |    |    |    |
| 8    | P <sub>01</sub> | 28.5                                                                                                                                                                                                                                                                                             | 36.6 | 48.0 | 62.6 | 90.1 | 99.8 | 126 | 150 | 164 | 180 | 276                   | 332  | 356  | 423  | 499  | 567  | 580  | 618  |     |     |     |     |    |    |    |    |
|      | P <sub>02</sub> | 31.2                                                                                                                                                                                                                                                                                             | 40.2 | 58.2 | 86.9 | 121  | 150  | 176 | 198 | 219 | 246 | 402                   | 515  | 564  | 636  | 746  | 828  | 840  | 862  |     |     |     |     |    |    |    |    |
|      | P <sub>03</sub> | 33.8                                                                                                                                                                                                                                                                                             | 48.0 | 83.5 | 135  | 198  | 294  | 297 | 372 | 412 | 510 | 631                   | 968  | 1026 | 1274 | 1360 | 1576 | 1675 | 1993 |     |     |     |     |    |    |    |    |
|      | P <sub>04</sub> | 35.8                                                                                                                                                                                                                                                                                             | 52.5 | 89.9 | 146  | 219  | 322  | 333 | 441 | 480 | 577 | 744                   | 1153 | 1221 | 1425 | 1606 | 1823 | 1934 | 2319 |     |     |     |     |    |    |    |    |
| 9    | P <sub>01</sub> | 25.0                                                                                                                                                                                                                                                                                             | 34.2 | 45.8 | 58.9 | 83.2 | 93.6 | 121 | 144 | 150 | 168 | 283                   | 359  | 374  | 425  | 529  | 560  | 591  | 639  |     |     |     |     |    |    |    |    |
|      | P <sub>02</sub> | 26.6                                                                                                                                                                                                                                                                                             | 37.6 | 55.2 | 82.7 | 117  | 140  | 167 | 195 | 211 | 222 | 387                   | 506  | 520  | 626  | 678  | 735  | 773  | 819  |     |     |     |     |    |    |    |    |
|      | P <sub>03</sub> | 29.9                                                                                                                                                                                                                                                                                             | 43.2 | 78.4 | 126  | 190  | 270  | 279 | 378 | 410 | 474 | 596                   | 932  | 978  | 1261 | 1293 | 1417 | 1680 | 1880 |     |     |     |     |    |    |    |    |
|      | P <sub>04</sub> | 33.0                                                                                                                                                                                                                                                                                             | 48.3 | 84.0 | 137  | 210  | 293  | 312 | 426 | 472 | 529 | 701                   | 1085 | 1148 | 1384 | 1523 | 1633 | 1830 | 2059 |     |     |     |     |    |    |    |    |
| 10   | P <sub>01</sub> | 22.2                                                                                                                                                                                                                                                                                             | 28.6 | 38.4 | 52.0 | 84.8 | 86.4 | 113 | 133 | 140 | 159 | 258                   | 327  | 366  | 422  | 500  | 559  | 593  | 620  |     |     |     |     |    |    |    |    |
|      | P <sub>02</sub> | 23.0                                                                                                                                                                                                                                                                                             | 31.2 | 46.4 | 69.9 | 99.5 | 130  | 155 | 189 | 203 | 218 | 362                   | 459  | 492  | 573  | 630  | 702  | 720  | 783  |     |     |     |     |    |    |    |    |
|      | P <sub>03</sub> | 25.0                                                                                                                                                                                                                                                                                             | 36.0 | 64.3 | 104  | 173  | 245  | 252 | 356 | 380 | 440 | 550                   | 884  | 904  | 1131 | 1206 | 1333 | 1650 | 1800 |     |     |     |     |    |    |    |    |
|      | P <sub>04</sub> | 26.2                                                                                                                                                                                                                                                                                             | 39.8 | 69.1 | 113  | 160  | 267  | 284 | 396 | 430 | 488 | 646                   | 1010 | 1059 | 1232 | 1401 | 1551 | 1728 | 1944 |     |     |     |     |    |    |    |    |
| 11.2 | P <sub>01</sub> | 21.3                                                                                                                                                                                                                                                                                             | 27.8 | 37.6 | 50.9 | 65.6 | 83.2 | 110 | 125 | 132 | 152 | 255                   | 336  | 346  | 440  | 467  | 550  | 572  | 619  |     |     |     |     |    |    |    |    |
|      | P <sub>02</sub> | 22.1                                                                                                                                                                                                                                                                                             | 30.4 | 44.8 | 67.2 | 95.5 | 125  | 138 | 180 | 195 | 215 | 308                   | 401  | 420  | 525  | 536  | 625  | 655  | 708  |     |     |     |     |    |    |    |    |
|      | P <sub>03</sub> | 24.0                                                                                                                                                                                                                                                                                             | 34.7 | 62.1 | 99.7 | 150  | 235  | 221 | 335 | 362 | 411 | 458                   | 760  | 820  | 1048 | 1021 | 1193 | 1440 | 1680 |     |     |     |     |    |    |    |    |
|      | P <sub>04</sub> | 27.2                                                                                                                                                                                                                                                                                             | 38.6 | 66.4 | 108  | 165  | 256  | 248 | 372 | 399 | 460 | 539                   | 938  | 972  | 1112 | 1177 | 1369 | 1512 | 1779 |     |     |     |     |    |    |    |    |
| 12.5 | P <sub>01</sub> | 20.5                                                                                                                                                                                                                                                                                             | 29.4 | 37.3 | 57.6 | 81.0 | 80.6 | 104 | 126 | 157 | 150 | 218                   | 321  | 335  | 423  | 413  | 521  | 458  | 580  | 552 |     |     |     |    |    |    |    |
|      | P <sub>02</sub> | 21.4                                                                                                                                                                                                                                                                                             | 32.0 | 45.1 | 66.5 | 97.0 | 115  | 141 | 167 | 205 | 205 | 277                   | 395  | 434  | 495  | 535  | 567  | 625  | 622  | 664 |     |     |     |    |    |    |    |
|      | P <sub>03</sub> | 25.9                                                                                                                                                                                                                                                                                             | 38.1 | 52.2 | 102  | 173  | 213  | 256 | 303 | 405 | 380 | 524                   | 750  | 754  | 876  | 1065 | 1070 | 1195 | 1310 |     |     |     |     |    |    |    |    |
|      | P <sub>04</sub> | 27.5                                                                                                                                                                                                                                                                                             | 40.6 | 66.7 | 108  | 183  | 230  | 272 | 338 | 440 | 420 | 570                   | 865  | 905  | 1027 | 1195 | 1233 | 1415 | 1586 |     |     |     |     |    |    |    |    |
| 14   | P <sub>01</sub> | 19.4                                                                                                                                                                                                                                                                                             | 25.6 | 33.3 | 55.7 | 78.0 | 76.5 | 109 | 117 | 152 | 138 | 211                   | 302  | 322  | 378  | 401  | 429  | 445  | 460  | 556 | 605 | 635 | 654 |    |    |    |    |
|      | P <sub>02</sub> | 21.0                                                                                                                                                                                                                                                                                             | 27.8 | 39.7 | 64.9 | 93.2 | 102  | 135 | 148 | 197 | 181 | 267                   | 347  | 417  | 439  | 520  | 565  | 625  | 648  | 673 | 737 | 780 | 854 |    |    |    |    |
|      | P <sub>03</sub> | 22.6                                                                                                                                                                                                                                                                                             | 32.8 | 54.4 | 97.4 | 166  | 186  | 245 | 267 | 386 | 323 | 500                   | 660  | 721  | 768  | 1025 | 1065 | 1150 | 1305 |     |     |     |     |    |    |    |    |
|      | P <sub>04</sub> | 23.8                                                                                                                                                                                                                                                                                             | 35.0 | 58.1 | 104  | 176  | 200  | 260 | 296 | 420 | 362 | 545                   | 716  | 860  | 896  | 1150 | 1240 | 1365 | 1430 |     |     |     |     |    |    |    |    |
| 16   | P <sub>01</sub> | 18.6                                                                                                                                                                                                                                                                                             | 24.0 | 31.2 | 53.7 | 75.2 | 86.8 | 105 | 122 | 146 | 158 | 204                   | 239  | 310  | 365  | 389  | 417  | 433  | 447  | 560 | 611 | 641 | 665 |    |    |    |    |
|      | P <sub>02</sub> | 19.8                                                                                                                                                                                                                                                                                             | 25.9 | 37.1 | 62.2 | 89.7 | 102  | 130 | 149 | 189 | 212 | 256                   | 313  | 400  | 468  | 502  | 543  | 600  | 630  | 687 | 745 | 793 | 862 |    |    |    |    |
|      | P <sub>03</sub> | 21.8                                                                                                                                                                                                                                                                                             | 30.4 | 50.2 | 93.7 | 158  | 173  | 234 | 264 | 369 | 420 | 480                   | 645  | 689  | 728  | 980  | 1025 | 1130 | 1250 |     |     |     |     |    |    |    |    |
|      | P <sub>04</sub> | 23.0                                                                                                                                                                                                                                                                                             | 32.5 | 53.6 | 100  | 168  | 186  | 249 | 289 | 400 | 448 | 523                   | 770  | 816  | 910  | 1100 | 1190 | 1310 | 1375 |     |     |     |     |    |    |    |    |
| 18   | P <sub>01</sub> | 17.1                                                                                                                                                                                                                                                                                             | 21.8 | 28.3 | 51.4 | 72.2 | 83.7 | 101 | 118 | 139 | 152 | 197                   | 232  | 299  | 353  | 377  | 404  | 419  | 436  | 564 | 621 | 657 | 677 |    |    |    |    |
|      | P <sub>02</sub> | 18.2                                                                                                                                                                                                                                                                                             | 23.7 | 33.6 | 59.8 | 86.0 | 98.2 | 125 | 143 | 181 | 204 | 246                   | 301  | 383  | 449  | 482  | 523  | 581  | 605  | 701 | 754 | 802 | 870 |    |    |    |    |
|      | P <sub>03</sub> | 19.5                                                                                                                                                                                                                                                                                             | 27.5 | 45.1 | 89.1 | 152  | 166  | 225 | 253 | 353 | 403 | 465                   | 615  | 659  | 700  | 940  | 982  | 1085 | 1200 |     |     |     |     |    |    |    |    |
|      | P <sub>04</sub> | 20.8                                                                                                                                                                                                                                                                                             | 29.3 | 48.0 | 95.3 | 160  | 178  | 242 | 276 | 382 | 429 | 510                   | 730  | 775  | 870  | 1050 | 1135 | 1245 | 1320 |     |     |     |     |    |    |    |    |
| 20   | P <sub>01</sub> |                                                                                                                                                                                                                                                                                                  | 33.0 | 49.6 | 69.6 | 80.7 | 98.9 | 113 | 133 | 146 | 194 | 225                   | 289  | 340  | 363  | 392  | 400  | 423  |      | 570 | 629 | 669 | 691 |    |    |    |    |
|      | P <sub>02</sub> |                                                                                                                                                                                                                                                                                                  | 37.1 | 57.0 | 82.9 | 94.4 | 120  | 138 | 174 | 195 | 241 | 288                   | 372  | 429  | 475  | 502  | 548  | 585  |      | 715 | 761 | 815 | 875 |    |    |    |    |
|      | P <sub>03</sub> |                                                                                                                                                                                                                                                                                                  | 58.4 | 85.4 | 144  | 159  | 221  | 245 | 342 | 384 | 459 | 590                   | 641  | 668  | 921  | 940  | 1075 | 1155 |      |     |     |     |     |    |    |    |    |
|      | P <sub>04</sub> |                                                                                                                                                                                                                                                                                                  | 61.1 | 90.7 | 153  | 170  | 239  | 264 | 374 | 409 | 508 | 695                   | 734  | 825  | 1044 | 1085 | 1242 | 1270 |      |     |     |     |     |    |    |    |    |
| 22.4 | P <sub>01</sub> |                                                                                                                                                                                                                                                                                                  | 32.8 | 47.8 | 67.5 | 77.4 | 92.1 | 109 | 130 | 140 | 184 | 218                   | 275  | 327  | 344  | 381  | 394  | 425  |      | 575 | 635 | 681 | 708 |    |    |    |    |
|      | P <sub>02</sub> |                                                                                                                                                                                                                                                                                                  | 37.1 | 54.7 | 79.5 | 90.8 | 112  | 132 | 165 | 187 | 227 | 276                   | 353  | 409  | 460  | 490  | 537  | 585  | </   |     |     |     |     |    |    |    |    |

直交轴齿轮箱 Bevel-helical Gear Units

額定功率 Nom Power Ratings

类型 YFB3...YFB4..

## Types

规格 3...26

### Sizes

|                |                | 额定功率PN         |        |   |   |      |      |    |    |     |     | Nom Power RatingsPN |       |     |     |     |     |     |     |      |      | kW   |      |      |      |    |    |    |  |
|----------------|----------------|----------------|--------|---|---|------|------|----|----|-----|-----|---------------------|-------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|----|----|----|--|
| i <sub>n</sub> | n <sub>1</sub> | n <sub>2</sub> | 齿轮箱规格  |   |   |      |      |    |    |     |     |                     | Sizes |     |     |     |     |     |     |      |      |      |      |      |      |    |    |    |  |
|                |                |                | 1      | 2 | 3 | 4    | 5    | 6  | 7  | 8   | 9   | 10                  | 11    | 12  | 13  | 14  | 15  | 16  | 17  | 18   | 19   | 20   | 21   | 22   | 23   | 24 | 25 | 26 |  |
|                |                |                | PN. kW |   |   |      |      |    |    |     |     |                     |       |     |     |     |     |     |     |      |      |      |      |      |      |    |    |    |  |
|                |                | r/min          |        |   |   |      |      |    |    |     |     |                     |       |     |     |     |     |     |     |      |      |      |      |      |      |    |    |    |  |
| 31.5           | 1500           | 48             |        |   |   | 18   | 33   | 55 | 73 | 103 | 128 | 171                 | 216   | 302 | 377 | 442 | 548 | 769 | 870 | 1005 | 1206 | 1508 | 1734 | 2111 |      |    |    |    |  |
|                | 1000           | 32             |        |   |   | 12.1 | 22   | 37 | 49 | 69  | 85  | 114                 | 144   | 201 | 251 | 295 | 365 | 513 | 580 | 670  | 804  | 1005 | 1156 | 1407 | 1575 |    |    |    |  |
|                | 750            | 24             |        |   |   | 9.0  | 17   | 28 | 36 | 52  | 64  | 85                  | 108   | 151 | 188 | 221 | 274 | 385 | 435 | 503  | 603  | 754  | 867  | 1055 | 1181 |    |    |    |  |
| 35.5           | 1500           | 42             |        |   |   | 15.8 | 29   | 48 | 64 | 90  | 112 | 150                 | 189   | 264 | 330 | 387 | 479 | 673 | 761 | 880  | 1055 | 1319 | 1517 | 1847 | 2067 |    |    |    |  |
|                | 1000           | 28             |        |   |   | 11   | 19   | 32 | 43 | 60  | 75  | 100                 | 126   | 176 | 220 | 258 | 320 | 449 | 507 | 586  | 704  | 880  | 1012 | 1231 | 1378 |    |    |    |  |
|                | 750            | 21             |        |   |   | 7.9  | 15   | 24 | 32 | 45  | 56  | 75                  | 95    | 132 | 165 | 194 | 240 | 336 | 380 | 440  | 528  | 660  | 759  | 924  | 1034 |    |    |    |  |
| 40             | 1500           | 36             |        |   |   | 14   | 26   | 44 | 58 | 82  | 101 | 135                 | 171   | 239 | 298 | 350 | 434 | 609 | 688 | 796  | 955  | 1194 | 1373 | 1671 | 1870 |    |    |    |  |
|                | 1000           | 25             |        |   |   | 9    | 17   | 29 | 38 | 54  | 67  | 89                  | 113   | 157 | 196 | 230 | 285 | 401 | 453 | 524  | 628  | 785  | 903  | 1099 | 1230 |    |    |    |  |
|                | 750            | 18.8           |        |   |   | 7.1  | 13   | 22 | 29 | 40  | 50  | 67                  | 85    | 118 | 148 | 173 | 215 | 301 | 341 | 394  | 472  | 591  | 679  | 827  | 925  |    |    |    |  |
| 45             | 1500           | 33             |        |   |   | 12   | 23   | 38 | 50 | 71  | 88  | 117                 | 149   | 207 | 259 | 304 | 377 | 529 | 598 | 691  | 829  | 1037 | 1192 | 1451 | 1624 |    |    |    |  |
|                | 1000           | 22             |        |   |   | 8.3  | 15   | 25 | 33 | 47  | 59  | 78                  | 99    | 138 | 173 | 203 | 251 | 352 | 399 | 461  | 553  | 691  | 795  | 968  | 1083 |    |    |    |  |
|                | 750            | 16.7           |        |   |   | 6.3  | 12   | 19 | 25 | 36  | 45  | 59                  | 75    | 105 | 131 | 154 | 191 | 268 | 303 | 350  | 420  | 525  | 603  | 734  | 822  |    |    |    |  |
| 50             | 1500           | 30             |        |   |   | 11   | 21   | 35 | 46 | 64  | 80  | 107                 | 135   | 188 | 236 | 276 | 342 | 481 | 543 | 628  | 754  | 942  | 1083 | 1319 | 1476 |    |    |    |  |
|                | 1000           | 20             |        |   |   | 8    | 14   | 23 | 30 | 43  | 53  | 71                  | 90    | 126 | 157 | 184 | 228 | 320 | 362 | 419  | 503  | 628  | 723  | 880  | 984  |    |    |    |  |
|                | 750            | 15             |        |   |   | 6    | 10.4 | 17 | 23 | 32  | 40  | 53                  | 68    | 94  | 118 | 138 | 171 | 240 | 272 | 314  | 377  | 471  | 542  | 660  | 738  |    |    |    |  |
| 56             | 1500           | 27             |        |   |   | 10.2 | 19   | 31 | 41 | 58  | 72  | 96                  | 122   | 170 | 212 | 249 | 308 | 433 | 489 | 565  | 679  | 848  | 975  | 1187 | 1329 |    |    |    |  |
|                | 1000           | 17.9           |        |   |   | 6.7  | 12   | 21 | 27 | 38  | 48  | 64                  | 81    | 112 | 141 | 165 | 204 | 287 | 324 | 375  | 450  | 562  | 647  | 787  | 881  |    |    |    |  |
|                | 750            | 13.4           |        |   |   | 5.1  | 9.3  | 15 | 20 | 29  |     |                     |       |     |     |     |     |     |     |      |      |      |      |      |      |    |    |    |  |

根据用户要求  
供货  
on request

直交轴齿轮箱 Bevel-helical Gear Units

热容量 Thermal capacities

类型 YFB3..., YFB4

Types

规格 3...26

Sizes

|      |                 | 热容量 P <sub>0</sub> , kW                                                                                                                                                                                                                                                                       |   |      |      |      |      |      |      |      |      |      |      | Thermal Capacities PG |     |     |     |     |      |     |     |     |     |                            |    | kW |    |
|------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------|------|------|------|------|------|------|------|------|------|-----------------------|-----|-----|-----|-----|------|-----|-----|-----|-----|----------------------------|----|----|----|
|      |                 | 齿轮箱规格                                                                                                                                                                                                                                                                                         |   |      |      |      |      |      |      |      |      |      |      | Sizes                 |     |     |     |     |      |     |     |     |     |                            |    |    |    |
| W    |                 | 1                                                                                                                                                                                                                                                                                             | 2 | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13                    | 14  | 15  | 16  | 17  | 18   | 19  | 20  | 21  | 22  | 23                         | 24 | 25 | 26 |
|      |                 | 热容量P <sub>0</sub> (单位为KW)取决于冷却方式: P <sub>01</sub> :无辅助冷却装置 P <sub>02</sub> :带冷却风扇 P <sub>03</sub> :带冷却盘管 P <sub>04</sub> :带风扇和冷却盘管。<br>PG1:With out auxilli; alycooling; PG2:With fan<br>Thermal Ca Pacity de Pendent o kind of cooling; PG3:With cooling coil; PG4:With fan and cooling coil |   |      |      |      |      |      |      |      |      |      |      |                       |     |     |     |     |      |     |     |     |     |                            |    |    |    |
| 31.5 | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   | 28.2 | 41.0 | 57.6 | 65.8 | 79.5 | 94.7 | 109  | 121  | 170  | 208  | 236                   | 286 | 319 | 340 | 353 | 373  | 509 | 548 | 601 | 645 |                            |    |    |    |
|      | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                               |   | 31.7 | 46.9 | 67.2 | 76.6 | 93.6 | 113  | 136  | 159  | 189  | 238  | 296                   | 346 | 384 | 428 | 449 | 515  | 621 | 679 | 729 | 805 |                            |    |    |    |
|      | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                               |   | 48.0 | 68.8 | 115  | 126  | 164  | 192  | 249  | 303  | 337  | 460  | 481                   | 551 | 683 | 770 | 819 | 957  |     |     |     |     |                            |    |    |    |
|      | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                               |   | 50.2 | 72.8 | 112  | 135  | 176  | 207  | 273  | 329  | 371  | 527  | 533                   | 628 | 767 | 864 | 941 | 1085 |     |     |     |     |                            |    |    |    |
| 35.5 | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   | 26.7 | 39.0 | 55.5 | 65.1 | 75.2 | 89.6 | 106  | 114  | 149  | 189  | 226                   | 255 | 293 | 311 | 315 | 325  | 475 | 500 | 588 | 631 |                            |    |    |    |
|      | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                               |   | 29.8 | 44.3 | 64.3 | 75.5 | 89.0 | 107  | 131  | 148  | 180  | 224  | 282                   | 325 | 369 | 395 | 430 | 477  | 596 | 628 | 700 | 744 |                            |    |    |    |
|      | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                               |   | 44.8 | 64.0 | 109  | 125  | 155  | 180  | 242  | 281  | 316  | 445  | 462                   | 514 | 648 | 689 | 781 | 873  |     |     |     |     |                            |    |    |    |
|      | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                               |   | 47.0 | 67.7 | 116  | 133  | 167  | 195  | 263  | 303  | 351  | 485  | 505                   | 582 | 728 | 778 | 891 | 982  |     |     |     |     |                            |    |    |    |
| 40   | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   | 23.5 | 33.9 | 48.6 | 61.6 | 65.6 | 84.3 | 98.9 | 108  | 150  | 184  | 211                   | 258 | 296 | 315 | 321 | 336  | 464 | 504 | 558 | 611 |                            |    |    |    |
|      | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                               |   | 26.2 | 38.2 | 56.0 | 71.5 | 77.6 | 100  | 121  | 139  | 168  | 211  | 263                   | 307 | 347 | 379 | 406 | 457  | 558 | 603 | 655 | 713 |                            |    |    |    |
|      | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                               |   | 38.9 | 54.4 | 92.5 | 116  | 132  | 168  | 222  | 258  | 290  | 419  | 426                   | 477 | 603 | 658 | 735 | 822  |     |     |     |     |                            |    |    |    |
|      | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                               |   | 40.8 | 57.3 | 97.9 | 124  | 142  | 182  | 242  | 284  | 322  | 456  | 464                   | 540 | 673 | 737 | 829 | 932  |     |     |     |     |                            |    |    |    |
| 45   | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   | 23.2 | 33.4 | 47.4 | 59.2 | 63.3 | 80.3 | 90.0 | 103  | 144  | 177  | 192                   | 249 | 271 | 307 | 311 | 325  | 445 | 478 | 513 | 578 | 根据用户要求<br>供货<br>on request |    |    |    |
|      | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                               |   | 25.6 | 37.4 | 54.6 | 68.5 | 75.0 | 95.1 | 110  | 134  | 153  | 201  | 235                   | 294 | 314 | 355 | 370 | 430  | 528 | 563 | 595 | 667 |                            |    |    |    |
|      | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                               |   | 38.4 | 52.8 | 89.3 | 110  | 127  | 159  | 198  | 251  | 262  | 395  | 410                   | 449 | 537 | 612 | 658 | 760  |     |     |     |     |                            |    |    |    |
|      | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                               |   | 40.0 | 56.0 | 94.7 | 117  | 137  | 173  | 216  | 272  | 289  | 430  | 461                   | 511 | 598 | 681 | 746 | 865  |     |     |     |     |                            |    |    |    |
| 50   | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   | 22.7 | 34.1 | 47.2 | 52.0 | 62.9 | 70.5 | 88.1 | 98.3 | 143  | 168  | 198                   | 234 | 274 | 282 | 300 | 306  | 433 | 439 | 520 | 531 |                            |    |    |    |
|      | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                               |   | 25.3 | 38.2 | 54.1 | 59.5 | 74.4 | 83.7 | 107  | 124  | 150  | 186  | 242                   | 273 | 316 | 322 | 375 | 392  | 507 | 515 | 594 | 606 |                            |    |    |    |
|      | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                               |   | 37.0 | 53.3 | 86.9 | 93.8 | 124  | 137  | 192  | 233  | 255  | 351  | 371                   | 412 | 540 | 575 | 663 | 692  |     |     |     |     |                            |    |    |    |
|      | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                               |   | 38.7 | 56.6 | 92.2 | 99.7 | 133  | 147  | 209  | 251  | 280  | 395  | 421                   | 471 | 601 | 640 | 756 | 777  |     |     |     |     |                            |    |    |    |
| 56   | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   | 20.3 | 30.4 | 42.7 | 50.4 | 57.5 | 68.3 | 79.4 | 89.9 | 132  | 164  | 180                   | 211 | 249 | 275 | 288 | 311  | 395 | 424 | 471 | 521 |                            |    |    |    |
|      | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                               |   | 22.4 | 34.1 | 48.8 | 57.9 | 67.5 | 81.0 | 96.8 | 113  | 135  | 170  | 217                   | 246 | 285 | 320 | 360 | 397  | 458 | 512 | 534 | 593 |                            |    |    |    |
|      | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                               |   | 32.3 | 47.2 | 77.4 | 90.6 | 111  | 131  | 170  | 206  | 225  | 325  | 330                   | 367 | 480 | 550 | 596 | 792  |     |     |     |     |                            |    |    |    |
|      | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                               |   | 33.9 | 49.8 | 82.2 | 96.3 | 119  | 141  | 183  | 224  | 249  | 354  | 375                   | 416 | 537 | 610 | 676 | 786  |     |     |     |     |                            |    |    |    |
| 63   | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   | 20.0 | 29.0 | 40.8 | 49.6 | 55.2 | 67.1 | 75.9 | 86.3 | 124  | 160  | 171                   | 203 | 239 | 261 | 272 | 295  | 386 | 410 | 463 | 493 |                            |    |    |    |
|      | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                               |   | 21.8 | 32.0 | 46.1 | 57.4 | 63.9 | 80.0 | 91.2 | 111  | 127  | 167  | 204                   | 250 | 270 | 292 | 322 | 359  | 439 | 461 | 513 | 541 |                            |    |    |    |
|      | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                               |   | 31.5 | 44.3 | 72.3 | 88.2 | 104  | 128  | 158  | 200  | 210  | 314  | 308                   | 377 | 450 | 485 | 568 | 616  |     |     |     |     |                            |    |    |    |
|      | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                               |   | 32.8 | 46.6 | 77.0 | 93.9 | 112  | 138  | 171  | 217  | 232  | 343  | 349                   | 428 | 505 | 545 | 640 | 704  |     |     |     |     |                            |    |    |    |
| 71   | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   | 18.6 | 25.8 | 37.6 | 45.8 | 51.0 | 65.3 | 69.3 | 79.4 | 112  | 148  | 154                   | 200 | 226 | 249 | 261 | 288  | 365 | 396 | 436 | 476 |                            |    |    |    |
|      | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                               |   | 20.0 | 28.3 | 42.1 | 52.0 | 58.8 | 72.8 | 82.8 | 99.6 | 129  | 164  | 185                   | 225 | 249 | 276 | 300 | 341  | 411 | 443 | 480 | 521 |                            |    |    |    |
|      | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                               |   | 28.6 | 38.7 | 65.9 | 78.7 | 94.4 | 115  | 140  | 176  | 186  | 279  | 276                   | 335 | 415 | 457 | 516 | 587  |     |     |     |     |                            |    |    |    |
|      | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                               |   | 29.8 | 40.8 | 69.9 | 83.7 | 102  | 123  | 152  | 191  | 205  | 303  | 311                   | 382 | 465 | 513 | 591 | 665  |     |     |     |     |                            |    |    |    |
| 80   | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   |      | 35.9 | 43.4 | 53.5 | 59.4 | 76.4 | 75.3 | 114  | 139  | 164  | 189                   | 216 | 234 | 266 | 279 | 333  | 375 | 464 | 450 |     |                            |    |    |    |
|      | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                               |   |      | 49.0 |      | 68.9 |      | 94.3 |      | 168  |      | 212  |                       | 255 |     | 316 |     | 414  |     | 487 |     |     |                            |    |    |    |
|      | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                               |   |      | 73.8 |      | 108  |      | 165  |      | 258  |      | 312  |                       | 426 |     | 547 |     |      |     |     |     |     |                            |    |    |    |
|      | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                               |   |      | 78.4 |      | 116  |      | 178  |      | 281  |      | 357  |                       | 470 |     | 615 |     |      |     |     |     |     |                            |    |    |    |
| 90   | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   |      | 35.8 | 40.0 | 52.1 | 55.1 | 74.0 | 68.7 | 108  | 125  | 158  | 171                   | 215 | 234 | 254 | 284 | 318  | 343 | 453 | 490 |     |                            |    |    |    |
|      | P <sub>G2</sub> |                                                                                                                                                                                                                                                                                               |   |      | 45.0 |      | 63.5 |      | 85.5 |      | 154  |      | 193  |                       |     |     |     |     |      |     |     |     |     |                            |    |    |    |
|      | P <sub>G3</sub> |                                                                                                                                                                                                                                                                                               |   |      | 67.0 |      | 97.8 |      | 146  |      | 227  |      | 281  |                       |     |     |     |     |      |     |     |     |     |                            |    |    |    |
|      | P <sub>G4</sub> |                                                                                                                                                                                                                                                                                               |   |      | 71.5 |      | 105  |      | 158  |      | 248  |      | 317  |                       |     |     |     |     |      |     |     |     |     |                            |    |    |    |
| 100  | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   |      | 33.9 | 38.1 | 48.5 | 57.5 | 68.9 | 79.5 | 103  | 134  | 149  | 173                   | 204 | 223 | 238 | 270 | 299  | 326 | 439 | 486 |     |                            |    |    |    |
| 112  | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   |      | 33.0 | 38.1 | 48.4 | 56.0 | 68.1 | 77.0 | 98.5 | 126  | 143  | 165                   | 195 | 211 | 228 | 254 | 283  | 306 | 414 | 440 |     |                            |    |    |    |
| 125  | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   |      | 31.3 | 36.1 | 46.0 | 52.3 | 65.3 | 71.5 | 93.6 | 120  | 135  | 156                   | 186 | 203 | 218 | 241 | 270  | 291 | 400 | 440 |     |                            |    |    |    |
| 140  | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   |      | 29.5 | 35.0 | 43.9 | 52.1 | 62.9 | 71.1 | 90.0 | 115  | 131  | 149                   | 180 | 194 | 209 | 230 | 261  | 278 | 388 | 413 |     |                            |    |    |    |
| 160  | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   |      | 26.6 | 33.1 | 38.8 | 49.6 | 56.3 | 68.1 | 81.0 | 109  | 123  | 141                   | 170 | 186 | 198 | 223 | 248  | 269 | 370 | 401 |     |                            |    |    |    |
| 180  | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   |      | 26.3 | 31.5 | 38.1 | 47.3 | 54.9 | 65.5 | 78.9 | 105  | 114  | 138                   | 158 | 176 | 183 | 209 | 228  | 255 | 344 | 383 |     |                            |    |    |    |
| 200  | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   |      | 26.1 | 28.4 | 38.8 | 41.8 | 54.6 | 58.6 | 78.3 | 94.6 | 113  | 130                   | 156 | 164 | 181 | 194 | 231  | 245 | 345 | 355 |     |                            |    |    |    |
| 224  | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   |      | 23.5 | 28.0 | 35.3 | 41.0 | 50.1 | 57.3 | 72.3 | 91.9 | 103  | 120                   | 144 | 163 | 166 | 193 | 214  | 239 | 318 | 354 |     |                            |    |    |    |
| 250  | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   |      | 23.1 | 27.8 | 33.8 | 41.9 | 47.8 | 56.9 | 69.1 | 91.3 | 98.5 | 119                   | 138 | 149 | 159 | 176 | 204  | 220 | 305 | 328 |     |                            |    |    |    |
| 280  | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   |      | 21.4 | 25.0 | 30.4 | 38.1 | 44.4 | 52.4 | 64.5 | 84.0 | 90.5 | 109                   | 126 | 143 | 146 | 168 | 189  | 210 | 288 | 313 |     |                            |    |    |    |
| 315  | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   |      | 19.5 | 24.5 | 28.5 | 36.3 | 41.3 | 49.8 | 59.1 | 80.3 | 85.9 | 104                   | 118 | 130 | 136 | 154 | 178  | 195 | 264 | 295 |     |                            |    |    |    |
| 355  | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   |      |      | 22.8 |      | 32.9 |      | 46.5 |      | 74.8 |      | 95.5                  |     | 122 |     | 144 |      | 184 |     | 270 |     |                            |    |    |    |
| 400  | P <sub>G1</sub> |                                                                                                                                                                                                                                                                                               |   |      |      | 21.0 |      | 31.1 |      | 43.1 |      | 68.8 |      | 90.5                  |     |     |     |     |      |     |     |     |     |                            |    |    |    |

直交轴齿轮箱 Bevel-helical Gear Units

额定输出扭矩 Nom output Torques

类型 YFB2.., YFB3.. YFB4..

Types

规格 1...26

Sizes

|       |          | 额定输出扭矩 $T_{2N}$ Nom output Torques |     |     |      |      |      |      |      |      |      |    |    |      |     |     |     |     |     |     |     |     | kN.m |    |    |    |  |
|-------|----------|------------------------------------|-----|-----|------|------|------|------|------|------|------|----|----|------|-----|-----|-----|-----|-----|-----|-----|-----|------|----|----|----|--|
| $i_N$ | 规格 Sizes |                                    |     |     |      |      |      |      |      |      |      |    |    |      |     |     |     |     |     |     |     |     |      |    |    |    |  |
|       | 1        | 2                                  | 3   | 4   | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12 | 13 | 14   | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23   | 24 | 25 | 26 |  |
| 5     | 1.15     | 2                                  | 3.1 | 5.8 | 9.4  |      | 17.8 |      | 28   |      | 43   |    | 66 |      | 122 |     |     |     |     |     |     |     |      |    |    |    |  |
| 5.6   | 1.15     | 2                                  | 3.1 | 5.8 | 9.4  |      | 17.8 |      | 28   |      | 45   |    | 67 |      | 122 | 135 | 195 |     |     |     |     |     |      |    |    |    |  |
| 6.3   | 1.15     | 2                                  | 3.1 | 5.8 | 9.4  | 12   | 17.8 | 22.3 | 28   | 35.6 | 47   | 55 | 71 | 82   | 130 | 141 | 195 |     |     |     |     |     |      |    |    |    |  |
| 7.1   | 1.15     | 2                                  | 3.1 | 5.8 | 9.4  | 12   | 17.8 | 22.3 | 28   | 35.6 | 49   | 57 | 73 | 84   | 132 | 145 | 195 | 230 |     |     |     |     |      |    |    |    |  |
| 8     | 1.15     | 2                                  | 3.1 | 5.8 | 9.4  | 12   | 17.8 | 22.3 | 28   | 35.6 | 50.5 | 59 | 77 | 88   | 132 | 148 | 195 | 230 |     |     |     |     |      |    |    |    |  |
| 9     | 1.15     | 2                                  | 3.1 | 5.8 | 9.4  | 12   | 17.8 | 22.3 | 28   | 35.6 | 50.5 | 61 | 78 | 91   | 132 | 148 | 195 | 230 |     |     |     |     |      |    |    |    |  |
| 10    | 1.15     | 2                                  | 3.1 | 5.8 | 9.4  | 12   | 17.8 | 22.3 | 28   | 35.6 | 50.5 | 62 | 78 | 95   | 132 | 148 | 195 | 230 |     |     |     |     |      |    |    |    |  |
| 11.2  | 1.15     | 2                                  | 3.1 | 5.8 | 9.4  | 12   | 17.8 | 22.3 | 28   | 35.6 | 50.5 | 62 | 78 | 97.5 | 132 | 148 | 195 | 230 |     |     |     |     |      |    |    |    |  |
| 12.5  | 1.15     | 2                                  | 3.1 | 5.5 | 9.4  | 12   | 17.0 | 22.3 | 28   | 35.6 | 50.5 | 62 | 78 | 97.5 | 132 | 148 | 195 | 230 | 250 |     | 340 |     |      |    |    |    |  |
| 14    | 1.15     | 2                                  | 3.1 | 6   | 9.8  | 12   | 18.2 | 22.3 | 29.5 | 35.6 | 53   | 62 | 80 | 97.5 | 137 | 148 | 195 | 230 | 262 | 295 | 360 | 405 |      |    |    |    |  |
| 16    | 1.1      | 1.95                               | 3.1 | 6.2 | 10.2 | 12   | 19.1 | 21.5 | 31   | 35.6 | 56   | 62 | 83 | 97.5 | 142 | 154 | 200 | 230 | 275 | 308 | 380 | 422 |      |    |    |    |  |
| 18    | 1.03     | 1.8                                | 3   | 6.4 | 10.6 | 12.6 | 19.8 | 23.1 | 32.5 | 37.5 | 58   | 65 | 85 | 100  | 148 | 160 | 200 | 240 | 288 | 320 | 400 | 438 |      |    |    |    |  |
| 20    |          |                                    | 3.6 | 6.6 | 11   | 13.2 | 20.5 | 23.9 | 34   | 39.3 | 60   | 68 | 88 | 103  | 153 | 167 | 200 | 240 | 300 | 332 | 420 | 455 |      |    |    |    |  |
| 22.4  |          |                                    | 3.6 | 6.6 | 11   | 13.8 | 20.5 | 24.8 | 34   | 41   | 60   | 72 | 88 | 106  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 25    |          |                                    | 3.6 | 6.6 | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 28    |          |                                    | 3.6 | 6.6 | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 31.5  |          |                                    | 3.6 | 6.6 | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 35.5  |          |                                    | 3.6 | 6.6 | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 40    |          |                                    | 3.6 | 6.6 | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 45    |          |                                    | 3.6 | 6.6 | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 50    |          |                                    | 3.6 | 6.6 | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 56    |          |                                    | 3.6 | 6.6 | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 63    |          |                                    | 3.6 | 6.6 | 11   | 14.5 | 20   | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 71    |          |                                    | 3.6 | 6.6 | 11   | 14.5 | 20   | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 80    |          |                                    |     |     | 11   | 14   | 20.5 | 25.2 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 90    |          |                                    |     |     | 11   | 14   | 20.5 | 25.2 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 100   |          |                                    |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 112   |          |                                    |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 125   |          |                                    |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 140   |          |                                    |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 160   |          |                                    |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 180   |          |                                    |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 200   |          |                                    |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 224   |          |                                    |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 250   |          |                                    |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 280   |          |                                    |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 315   |          |                                    |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75 | 88 | 109  | 153 | 173 | 200 | 240 | 300 | 345 | 420 | 470 |      |    |    |    |  |
| 355   |          |                                    |     |     |      | 14.5 |      | 25.5 |      | 43   |      | 75 |    | 109  |     | 173 |     | 240 |     | 345 |     | 470 |      |    |    |    |  |
| 400   |          |                                    |     |     |      | 14.5 |      | 25.5 |      | 43   |      | 75 |    | 109  |     |     |     |     |     |     |     |     |      |    |    |    |  |

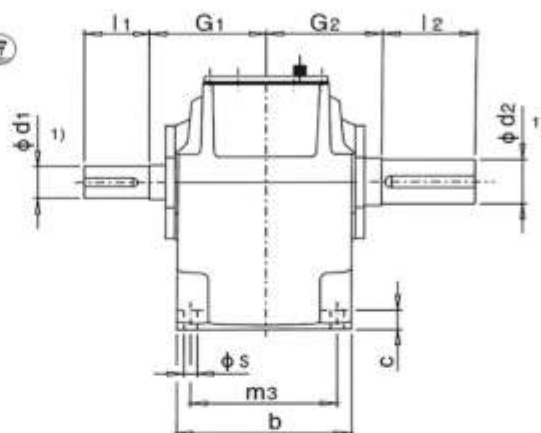
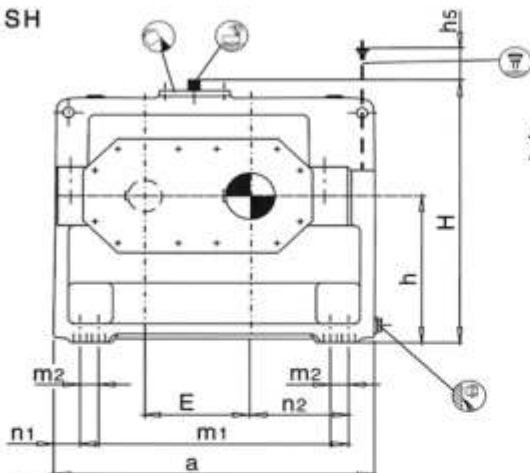
按客户要求供货  
on request

平行轴齿轮箱 Helical Gear Units  
 额定输出扭矩 Nom output Torques  
 类型 YFH1..., YFH2..., YFH3..., YFH4..  
 Types  
 规格 1...26  
 Sizes

|                |      | 额定输出扭矩 T <sub>2N</sub> Nom output Torques |     |     |      |      |      |      |      |      |      |      |      |       |      |     |     |     |     |     |     |     |    |    |    | kN.m |    |
|----------------|------|-------------------------------------------|-----|-----|------|------|------|------|------|------|------|------|------|-------|------|-----|-----|-----|-----|-----|-----|-----|----|----|----|------|----|
| i <sub>N</sub> |      | 规格                                        |     |     |      |      |      |      |      |      |      |      |      | Sizes |      |     |     |     |     |     |     |     |    |    |    |      |    |
|                |      | 1                                         | 2   | 3   | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13    | 14   | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22 | 23 | 24 | 25   | 26 |
| 1.25           | 0.79 |                                           | 2.6 |     | 7    |      | 13.3 |      | 21.5 |      |      |      |      |       |      |     |     |     |     |     |     |     |    |    |    |      |    |
| 1.4            | 0.83 |                                           | 2.7 |     | 7.2  |      | 13.9 |      | 22.3 |      |      |      |      |       |      |     |     |     |     |     |     |     |    |    |    |      |    |
| 1.6            | 0.87 |                                           | 2.9 |     | 7.5  |      | 14.2 |      | 23.6 |      | 40   |      | 63   |       |      |     |     |     |     |     |     |     |    |    |    |      |    |
| 1.8            | 0.91 |                                           | 2.4 |     | 7.7  |      | 15.2 |      | 24.4 |      | 41.4 |      | 66.3 |       |      |     |     |     |     |     |     |     |    |    |    |      |    |
| 2              | 0.93 |                                           | 2.5 |     | 8.2  |      | 15.5 |      | 25   |      | 42.7 |      | 68.2 |       | 121  |     |     |     |     |     |     |     |    |    |    |      |    |
| 2.24           | 0.96 |                                           | 2.5 |     | 8.4  |      | 15.5 |      | 25   |      | 44   |      | 70.3 |       | 122  |     |     |     |     |     |     |     |    |    |    |      |    |
| 2.5            | 1    |                                           | 2.6 |     | 8.4  |      | 15.5 |      | 25   |      | 44   |      | 72   |       | 110  |     |     |     |     |     |     |     |    |    |    |      |    |
| 2.8            | 1    |                                           | 2.7 |     | 8.4  |      | 14.9 |      | 23.7 |      | 44   |      | 72   |       | 113  |     | 171 |     |     |     |     |     |    |    |    |      |    |
| 3.15           | 1    |                                           | 2.7 |     | 8.4  |      | 15.2 |      | 24.5 |      | 41.9 |      | 68.4 |       | 116  |     | 173 |     |     |     |     |     |    |    |    |      |    |
| 3.55           | 1    |                                           | 2.8 |     | 8.3  |      | 15.5 |      | 24.9 |      | 43.7 |      | 69.6 |       | 118  |     | 173 |     |     |     |     |     |    |    |    |      |    |
| 4              | 1    |                                           | 2.8 |     | 8.4  |      | 15.5 |      | 25   |      | 44   |      | 70.8 |       | 122  |     | 173 |     | 245 |     |     |     |    |    |    |      |    |
| 4.5            | 0.82 |                                           | 2.2 |     | 6.7  |      | 13.8 |      | 21.4 |      | 40   |      | 57.6 |       | 102  |     | 146 |     | 216 |     |     |     |    |    |    |      |    |
| 5              | 0.78 |                                           | 2.1 |     | 6.3  |      | 12   |      | 20.5 |      | 33.7 |      | 54.5 |       | 88.8 |     | 124 |     | 174 |     |     |     |    |    |    |      |    |
| 5.6            | 0.62 |                                           | 2   |     | 6    |      | 11.4 |      | 17.5 |      | 31.8 |      | 51.8 |       | 84.5 |     | 118 |     | 150 |     |     |     |    |    |    |      |    |
| 6.3            |      |                                           | 3.5 | 6.3 | 10.5 |      | 19   |      | 31.5 |      | 55.5 |      | 86   |       | 143  |     | 195 |     | 292 |     |     |     |    |    |    |      |    |
| 7.1            |      |                                           | 3.5 | 6.3 | 10.5 |      | 19   |      | 31.5 |      | 55.5 |      | 86   |       | 143  | 160 | 195 | 230 | 292 | 335 | 410 |     |    |    |    |      |    |
| 8              |      |                                           | 3.5 | 6.3 | 10.5 | 13.5 | 19   | 24   | 31.5 | 39.5 | 55.5 | 69   | 86   | 107   | 143  | 160 | 195 | 230 | 292 | 335 | 410 | 458 |    |    |    |      |    |
| 9              |      |                                           | 3.5 | 6.3 | 10.5 | 13.5 | 19   | 24   | 31.5 | 39.5 | 55.5 | 69   | 86   | 107   | 143  | 160 | 195 | 230 | 292 | 335 | 410 | 458 |    |    |    |      |    |
| 10             |      |                                           | 3.5 | 6.3 | 10.5 | 13.5 | 19   | 24   | 31.5 | 39.5 | 55.5 | 69   | 86   | 107   | 143  | 160 | 195 | 230 | 292 | 335 | 410 | 458 |    |    |    |      |    |
| 11.2           |      |                                           | 3.5 | 6.3 | 10.5 | 13.5 | 19   | 24   | 31.5 | 39.5 | 55.5 | 69   | 86   | 107   | 143  | 160 | 195 | 230 | 292 | 335 | 410 | 458 |    |    |    |      |    |
| 12.5           |      |                                           | 3.5 | 6.3 | 10.5 | 13.5 | 19   | 24   | 31.5 | 39.5 | 55.5 | 69   | 86   | 107   | 143  | 160 | 195 | 230 | 292 | 335 | 410 | 458 |    |    |    |      |    |
| 14             |      |                                           | 3.5 | 6.3 | 10.5 | 13.5 | 19   | 24   | 31.5 | 39.5 | 55.5 | 69   | 86   | 107   | 143  | 160 | 195 | 230 | 292 | 335 | 410 | 458 |    |    |    |      |    |
| 16             |      |                                           | 3.5 | 6.3 | 10.5 | 13.5 | 19   | 24   | 31.5 | 39.5 | 55.5 | 69   | 86   | 107   | 143  | 160 | 195 | 230 | 292 | 335 | 410 | 458 |    |    |    |      |    |
| 18             |      |                                           | 3.5 | 6.3 | 10.5 | 13.5 | 19   | 24   | 31.5 | 39.5 | 55.5 | 69   | 86   | 107   | 143  | 160 | 195 | 230 | 292 | 335 | 410 | 458 |    |    |    |      |    |
| 20             |      |                                           | 3.5 | 6.3 | 10.5 | 13.5 | 19   | 24   | 31.5 | 39.5 | 55.5 | 69   | 86   | 107   | 143  | 160 | 195 | 230 | 292 | 335 | 410 | 458 |    |    |    |      |    |
| 22.4           |      |                                           | 3.5 | 6.2 | 10.2 | 13.5 | 18.6 | 24   | 31   | 39.5 | 54.5 | 69   | 88   | 107   | 153  | 160 | 200 | 230 | 300 | 335 | 420 | 458 |    |    |    |      |    |
| 25             |      |                                           |     |     | 11   | 13.5 | 20.5 | 24   | 34   | 39.5 | 60   | 69   | 88   | 107   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 28             |      |                                           |     |     | 11   | 13   | 20.5 | 23.5 | 34   | 38.9 | 60   | 67.8 | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 31.5           |      |                                           |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 35.5           |      |                                           |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 40             |      |                                           |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 45             |      |                                           |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 50             |      |                                           |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 56             |      |                                           |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 63             |      |                                           |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 71             |      |                                           |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 80             |      |                                           |     |     | 11   | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 90             |      |                                           |     |     | 11   | 14.5 | 20   | 25.5 | 33.5 | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 290 | 345 | 410 | 470 |    |    |    |      |    |
| 100            |      |                                           |     |     |      | 14.5 | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 226 | 300 | 335 | 420 | 465 |    |    |    |      |    |
| 112            |      |                                           |     |     |      | 14.1 | 20.5 | 25.2 | 34   | 42   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 125            |      |                                           |     |     |      |      | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 140            |      |                                           |     |     |      |      | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 160            |      |                                           |     |     |      |      | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 180            |      |                                           |     |     |      |      | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 200            |      |                                           |     |     |      |      | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 224            |      |                                           |     |     |      |      | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 250            |      |                                           |     |     |      |      | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 280            |      |                                           |     |     |      |      | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 315            |      |                                           |     |     |      |      | 20.5 | 25.5 | 34   | 43   | 60   | 75   | 88   | 109   | 153  | 173 | 200 | 240 | 300 | 345 | 420 | 470 |    |    |    |      |    |
| 355            |      |                                           |     |     |      |      | 19.6 | 25.5 | 33   | 43   | 59   | 75   | 88   | 109   | 140  | 173 | 192 | 240 | 290 | 345 | 410 | 470 |    |    |    |      |    |
| 400            |      |                                           |     |     |      |      |      | 25.5 |      | 43   |      | 75   |      | 109   |      | 158 |     | 223 |     | 335 |     | 465 |    |    |    |      |    |
| 450            |      |                                           |     |     |      |      |      | 24.8 |      | 41.6 |      | 74   |      | 109   |      |     |     |     |     |     |     |     |    |    |    |      |    |

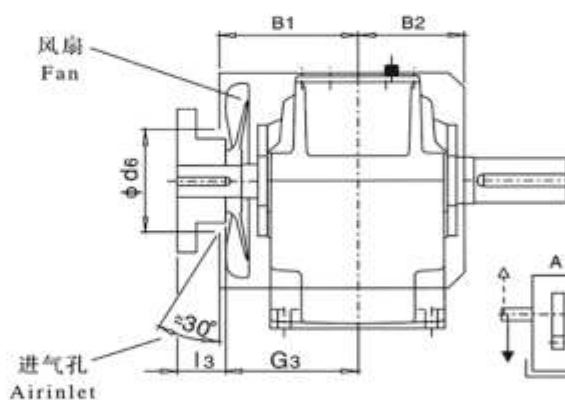
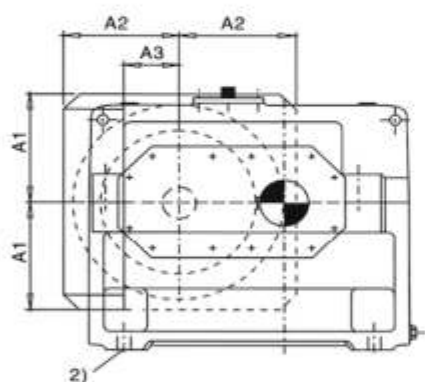
平行轴齿轮箱 Helical Gear Units  
单级传动 Single stage  
卧式安装 Horizontal  
类型 YFH1SH type YFH1SH  
规格 1...19 sizes 1...19

YFH1SH

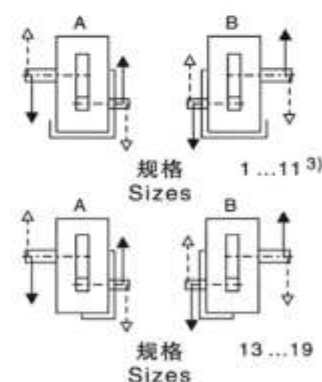


YFH1SH

规格 3...11带冷却风扇  
Sizes 3...11 with fan

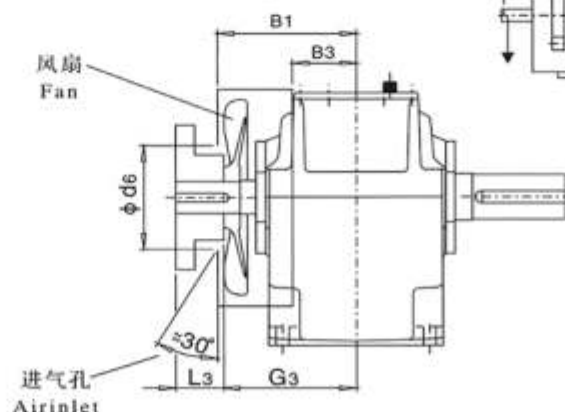
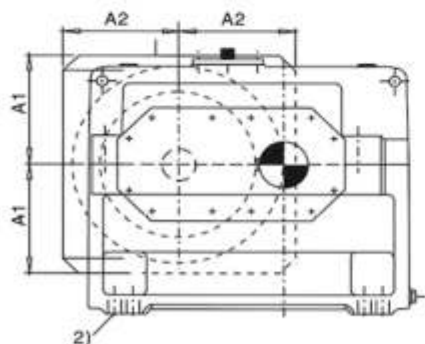


布置形式  
Design



YFH1SH

规格 13...19带冷却风扇  
Sizes 13...19 with fan



1)  $k6 \leq \phi 24$   $\phi 28 \geq m6 \leq \phi 100$   $n6 > \phi 100$

有关平键和中心孔, 参见第5页

2) 有安装基础螺栓前, 应先拆下风扇罩

3) 规格1号不带风扇

1)  $k6 \leq \phi 24$   $\phi 28 \geq m6 \leq \phi 100$   $n6 > \phi 100$

For Parallel key and for centre hole, see page 5

2) Remove airguide cover before fitting the foundation bolts

3) Size 1 without fan

平行轴齿轮箱 Helical Gear Units

单级传动 Single stage

卧式安装 Horizontal

类型 YFH1SH type YFH1SH

规格 1...19 sizes 1...19

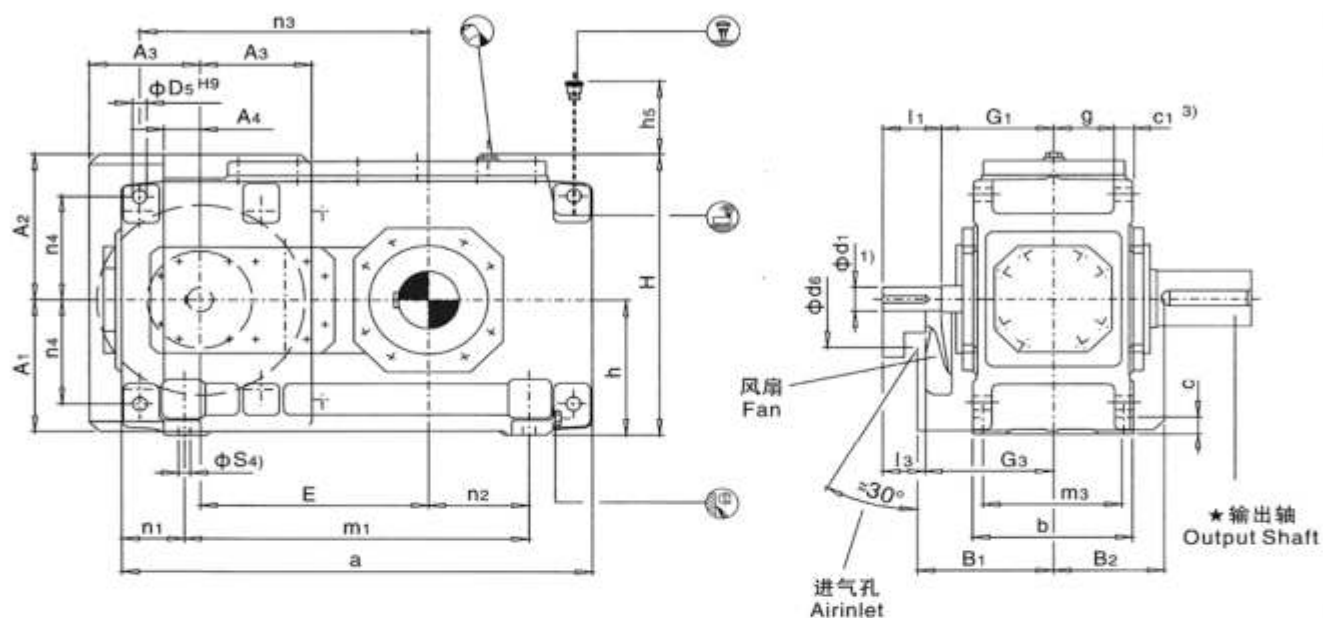
| 规格<br>Size | 尺寸 mm                      Dimension in mm |       |       |                 |       |       |               |       |       |                |       |       |                 |       |       |       |       |
|------------|--------------------------------------------|-------|-------|-----------------|-------|-------|---------------|-------|-------|----------------|-------|-------|-----------------|-------|-------|-------|-------|
|            | 输入轴                      Input shaft       |       |       |                 |       |       |               |       |       |                |       |       |                 |       |       |       |       |
|            | $i_N = 1.25-2.8$                           |       |       | $i_N = 1.6-2.8$ |       |       | $i_N = 2-2.8$ |       |       | $i_N = 3.15-4$ |       |       | $i_N = 4.5-5.6$ |       |       | $G_1$ | $G_3$ |
|            | $d_1^{1)}$                                 | $l_1$ | $l_3$ | $d_1^{1)}$      | $l_1$ | $l_3$ | $d_1^{1)}$    | $l_1$ | $l_3$ | $d_1^{1)}$     | $l_1$ | $l_3$ | $d_1^{1)}$      | $l_1$ | $l_3$ |       |       |
| 1          | 40                                         | 70    |       |                 |       |       |               |       |       | 30             | 50    | —     | 24              | 40    | —     | 110   | —     |
| 3          | 60                                         | 125   | 105   |                 |       |       |               |       |       | 45             | 100   | 80    | 32              | 80    | 60    | 170   | 190   |
| 5          | 85                                         | 160   | 130   |                 |       |       |               |       |       | 60             | 135   | 105   | 50              | 110   | 80    | 210   | 240   |
| 7          | 100                                        | 200   | 165   |                 |       |       |               |       |       | 75             | 140   | 105   | 60              | 140   | 105   | 250   | 285   |
| 9          | 110                                        | 200   | 165   |                 |       |       |               |       |       | 90             | 165   | 130   | 75              | 140   | 105   | 280   | 315   |
| 11         |                                            |       |       | 130             | 240   | 205   |               |       |       | 110            | 205   | 170   | 90              | 170   | 135   | 325   | 360   |
| 13         |                                            |       |       | 150             | 245   | 200   |               |       |       | 130            | 245   | 200   | 100             | 210   | 165   | 365   | 410   |
| 15         |                                            |       |       |                 |       |       | 180           | 290   | 240   | 150            | 250   | 200   | 125             | 250   | 200   | 360   | 410   |
| 17         |                                            |       |       |                 |       |       | 200           | 330   | 280   | 170            | 290   | 240   | 140             | 250   | 200   | 400   | 450   |
| 19         |                                            |       |       |                 |       |       | 220           | 340   | 290   | 190            | 340   | 290   | 160             | 300   | 250   | 440   | 490   |

| 规格<br>Size | 尺寸 mm      Dimension in mm |       |       |       |     |       |       |       |    |       |     |     |       |      |       |       |       |       |       |    |
|------------|----------------------------|-------|-------|-------|-----|-------|-------|-------|----|-------|-----|-----|-------|------|-------|-------|-------|-------|-------|----|
|            | 齿轮箱      Gear housing      |       |       |       |     |       |       |       |    |       |     |     |       |      |       |       |       |       |       |    |
|            | a                          | $A_1$ | $A_2$ | $A_3$ | b   | $B_1$ | $B_2$ | $B_3$ | c  | $d_6$ | E   | h   | $h_5$ | H    | $m_1$ | $m_2$ | $m_3$ | $n_1$ | $n_2$ | s  |
| 1          | 295                        | -     | -     | -     | 150 | -     | -     | -     | 18 | -     | 90  | 140 | 55    | 275  | 220   | -     | 120   | 37.5  | 80    | 12 |
| 3          | 420                        | 150   | 145   | 80    | 200 | 205   | 130   | -     | 28 | 130   | 130 | 200 | 85    | 375  | 310   | -     | 160   | 55    | 110   | 19 |
| 5          | 580                        | 225   | 215   | 115   | 285 | 255   | 185   | -     | 35 | 190   | 185 | 290 | 100   | 525  | 440   | -     | 240   | 70    | 160   | 24 |
| 7          | 690                        | 255   | 250   | 120   | 375 | 300   | 230   | -     | 45 | 245   | 225 | 350 | 75    | 625  | 540   | -     | 315   | 75    | 195   | 28 |
| 9          | 805                        | 300   | 265   | 140   | 425 | 330   | 265   | -     | 50 | 280   | 265 | 420 | 50    | 735  | 625   | -     | 350   | 90    | 225   | 35 |
| 11         | 960                        | 360   | 330   | 190   | 515 | 375   | 320   | -     | 60 | 350   | 320 | 500 | 40    | 875  | 770   | -     | 440   | 95    | 280   | 35 |
| 13         | 1100                       | 415   | 350   | -     | 580 | 430   | -     | 150   | 70 | 350   | 370 | 580 | 40    | 1020 | 870   | -     | 490   | 115   | 315   | 42 |
| 15         | 1295                       | 500   | 430   | -     | 545 | 430   | -     | 120   | 80 | 450   | 442 | 600 | 10    | 1115 | 1025  | -     | 450   | 135   | 370   | 48 |
| 17         | 1410                       | 550   | 430   | -     | 615 | 470   | -     | 150   | 80 | 445   | 490 | 670 | -     | 1235 | 1170  | 130   | 530   | 120   | 425   | 42 |
| 19         | 1590                       | 630   | 475   | -     | 690 | 510   | -     | 190   | 90 | 445   | 555 | 760 | -     | 1395 | 1290  | 150   | 590   | 150   | 465   | 48 |

| 规格<br>Size | 尺寸 mm<br>Dimension sin mm    |                |                | 润 滑 油<br>Lubrication     |                                 | 重量<br>Weighy<br><br>(kg) |
|------------|------------------------------|----------------|----------------|--------------------------|---------------------------------|--------------------------|
|            | 输 出 轴<br>Output shaft        |                |                | 轴 封<br>Shaft seal<br>(I) | 迷宫式密封<br>Labyrinth seal<br>(II) |                          |
|            | d <sub>2</sub> <sup>1)</sup> | G <sub>2</sub> | l <sub>2</sub> |                          |                                 |                          |
| 1          | 45                           | 110            | 80             | 2.5                      | 2.3                             | 55                       |
| 3          | 60                           | 170            | 125            | 7                        | 5.5                             | 128                      |
| 5          | 85                           | 210            | 160            | 22                       | 19                              | 302                      |
| 7          | 105                          | 250            | 200            | 42                       | 36                              | 547                      |
| 9          | 125                          | 270            | 210            | 68                       | 60                              | 862                      |
| 11         | 150                          | 320            | 240            | 120                      | 106                             | 1515                     |
| 13         | 180                          | 360            | 310            | 175                      | 155                             | 2395                     |
| 15         | 220                          | 360            | 350            | 190                      | 156                             | 3200                     |
| 17         | 240                          | 400            | 400            | 270                      | 225                             | 4250                     |
| 19         | 270                          | 440            | 450            | 390                      | 330                             | 5800                     |

平行轴齿轮箱 Helical Gear Units  
两级传动 Two stage  
卧式安装 Horizontal  
类型 YFH2.H Type YFH2.H  
规格 3...12 sizes 3...12

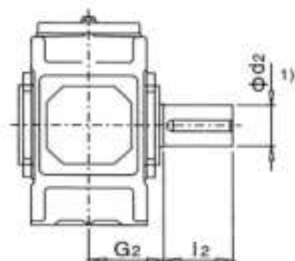
## YFH2SH YFH2HH YFH2DH



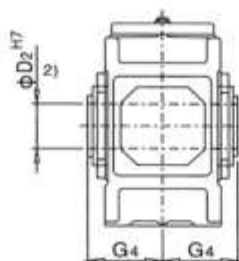
### ★输出轴 Output Shaft

### 布置形式 Design

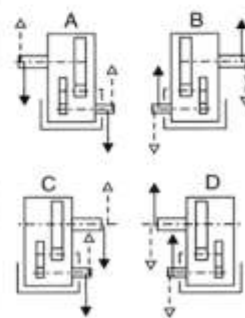
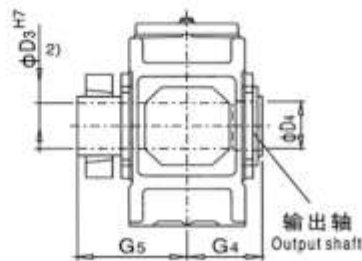
YFH2SH  
实心轴 Solid shaft



YFH2HH  
空心轴 Hollow shaft



YFH2DH  
带胀紧盘的空心轴  
Hollow shaft for shrink disk



- 1)  $\Phi 28 \geq m6 \leq \Phi 100$   $n6 > \Phi 100$   
有关平键和中心孔, 参见第5页
- 2) 键槽 GB/T1095-1979
- 3) 扭力支撑位于工作机侧
- 4) 在安装基础螺栓前, 应先拆下风扇罩

- 1)  $\Phi 28 \geq m6 \leq \Phi 100$   $n6 > \Phi 100$   
For Parallel key and for centre hole, see page 8
- 2) Keyway GB/T1095-1979
- 3) Torque support on driven machine side

平行轴齿轮箱 Helical Gear Units

两级传动 Two stage

卧式安装 Horizontal

类型 YFH2S.H Type YFH2S.H

规格 3...12 sizes 3...12

| 规格<br>Size | 尺寸 mm Dimension in mm |       |       |              |       |       |                   |       |       |               |       |       |       |       |
|------------|-----------------------|-------|-------|--------------|-------|-------|-------------------|-------|-------|---------------|-------|-------|-------|-------|
|            | 输入轴 Input shaft       |       |       |              |       |       |                   |       |       |               |       |       |       |       |
|            | $i_N = 6.3-11.2$      |       |       | $i_N = 8-14$ |       |       | $i_N = 12.5-22.4$ |       |       | $i_N = 16-28$ |       |       | $G_1$ | $G_2$ |
|            | $d_1^{1)}$            | $l_1$ | $l_3$ | $d_1^{1)}$   | $l_1$ | $l_3$ | $d_1^{1)}$        | $l_1$ | $l_3$ | $d_1^{1)}$    | $l_1$ | $l_3$ |       |       |
| 3          | 35                    | 60    | -     |              |       |       | 28                | 50    |       |               |       |       | 135   | -     |
| 4          | 45                    | 100   | 80    |              |       |       | 32                | 80    | 60    |               |       |       | 170   | 190   |
| 5          | 50                    | 100   | 80    |              |       |       | 38                | 80    | 60    |               |       |       | 195   | 215   |
| 6          |                       |       |       | 50           | 100   | 80    |                   |       |       | 38            | 80    | 60    | 195   | 215   |
| 7          | 60                    | 135   | 105   |              |       |       | 50                | 110   | 80    |               |       |       | 210   | 240   |
| 8          |                       |       |       | 60           | 135   | 105   |                   |       |       | 50            | 110   | 80    | 210   | 240   |
| 9          | 75                    | 140   | 110   |              |       |       | 60                | 140   | 110   |               |       |       | 240   | 270   |
| 10         |                       |       |       | 75           | 140   | 110   |                   |       |       | 60            | 140   | 110   | 240   | 270   |
| 11         | 90                    | 165   | 130   |              |       |       | 70                | 140   | 105   |               |       |       | 275   | 310   |
| 12         |                       |       |       | 90           | 165   | 130   |                   |       |       | 70            | 140   | 105   | 275   | 310   |

| 规格<br>Size | 尺寸 mm Dimension in mm |                |                |                |                |     |                |                |    |                |                |                |
|------------|-----------------------|----------------|----------------|----------------|----------------|-----|----------------|----------------|----|----------------|----------------|----------------|
|            | 齿轮箱 Gear housing      |                |                |                |                |     |                |                |    |                |                |                |
|            | a                     | A <sub>1</sub> | A <sub>2</sub> | A <sub>3</sub> | A <sub>4</sub> | b   | B <sub>1</sub> | B <sub>2</sub> | c  | c <sub>1</sub> | D <sub>5</sub> | d <sub>6</sub> |
| 3          | 450                   | -              | -              | -              | -              | 190 | -              | -              | 22 | 24 ± 1         | 18             | -              |
| 4          | 565                   | 195            | 225            | 150            | 30             | 215 | 205            | 158            | 28 | 30 ± 1         | 24             | 136            |
| 5          | 640                   | 225            | 260            | 175            | 55             | 255 | 230            | 177.5          | 28 | 30 ± 1         | 24             | 150            |
| 6          | 720                   | 225            | 260            | 175            | 55             | 255 | 230            | 177.5          | 28 | 30 ± 1         | 24             | 150            |
| 7          | 785                   | 272            | 305            | 210            | 70             | 300 | 255            | 210            | 35 | 36 ± 1         | 28             | 200            |
| 8          | 890                   | 272            | 305            | 210            | 70             | 300 | 255            | 210            | 35 | 36 ± 1         | 28             | 200            |
| 9          | 925                   | 312            | 355            | 240            | 100            | 370 | 285            | 245            | 40 | 45 ± 1.5       | 36             | 200            |
| 10         | 1025                  | 312            | 355            | 240            | 100            | 370 | 285            | 245            | 40 | 45 ± 1.5       | 36             | 200            |
| 11         | 1105                  | 372            | 420            | 285            | 135            | 430 | 325            | 285            | 50 | 54 ± 1.5       | 40             | 210            |
| 12         | 1260                  | 372            | 420            | 285            | 135            | 430 | 325            | 285            | 50 | 54 ± 1.5       | 40             | 210            |

| 规格<br>Size | 尺寸 mm Dimension in mm |      |     |                |     |                |                |                |                |                |                |    |
|------------|-----------------------|------|-----|----------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|----|
|            | 齿轮箱 Gear housing      |      |     |                |     |                |                |                |                |                |                |    |
|            | E                     | g    | h   | h <sub>5</sub> | H   | m <sub>1</sub> | m <sub>3</sub> | n <sub>1</sub> | n <sub>2</sub> | n <sub>3</sub> | n <sub>4</sub> | s  |
| 3          | 220                   | 71   | 175 | 110            | 360 | 290            | 160            | 80             | 65             | 285            | 132.5          | 15 |
| 4          | 270                   | 77.5 | 200 | 110            | 415 | 355            | 180            | 105            | 85             | 345            | 150            | 19 |
| 5          | 315                   | 97.5 | 230 | 150            | 482 | 430            | 220            | 105            | 100            | 405            | 180            | 19 |
| 6          | 350                   | 97.5 | 230 | 150            | 482 | 510            | 220            | 105            | 145            | 440            | 180            | 19 |
| 7          | 385                   | 114  | 280 | 190            | 572 | 545            | 260            | 120            | 130            | 500            | 215            | 24 |
| 8          | 430                   | 114  | 280 | 190            | 582 | 650            | 260            | 120            | 190            | 545            | 215            | 24 |
| 9          | 450                   | 140  | 320 | 205            | 662 | 635            | 320            | 145            | 155            | 585            | 245            | 28 |
| 10         | 500                   | 140  | 320 | 215            | 662 | 735            | 320            | 145            | 205            | 635            | 245            | 28 |
| 11         | 545                   | 161  | 380 | 250            | 782 | 775            | 370            | 165            | 180            | 710            | 300            | 35 |
| 12         | 615                   | 161  | 380 | 250            | 790 | 930            | 370            | 165            | 265            | 780            | 300            | 35 |

| 规格<br>Size | 尺寸 mm Dimension in mm        |                |                |                              |                |                |                |                |                | 润 滑 油 Lubrication        |                                     | 重 量<br>Weighty<br>(kg) |
|------------|------------------------------|----------------|----------------|------------------------------|----------------|----------------|----------------|----------------|----------------|--------------------------|-------------------------------------|------------------------|
|            | 输 出 轴 Output shaft           |                |                |                              |                |                |                |                |                | 轴 封<br>Shaft seal<br>(I) | 迷 宫 式 密 封<br>Labyrinth seal<br>(II) |                        |
|            | YFH2SH                       |                |                | YFH2HH                       |                | YFH2DH         |                |                |                |                          |                                     |                        |
|            | d <sub>2</sub> <sup>1)</sup> | G <sub>2</sub> | l <sub>2</sub> | D <sub>2</sub> <sup>2)</sup> | G <sub>4</sub> | D <sub>3</sub> | D <sub>4</sub> | G <sub>4</sub> | G <sub>5</sub> |                          |                                     |                        |
| 3          | 65                           | 125            | 140            | 65                           | 125            | 70             | 70             | 125            | 180            | 6                        | 4.5                                 | 115                    |
| 4          | 80                           | 140            | 170            | 80                           | 140            | 85             | 85             | 140            | 205            | 10                       | 7                                   | 190                    |
| 5          | 100                          | 165            | 210            | 95                           | 165            | 100            | 100            | 165            | 240            | 15                       | 11                                  | 300                    |
| 6          | 110                          | 165            | 210            | 105                          | 165            | 110            | 110            | 165            | 240            | 16                       | 12                                  | 355                    |
| 7          | 120                          | 195            | 210            | 115                          | 195            | 120            | 120            | 195            | 280            | 27                       | 21                                  | 505                    |
| 8          | 130                          | 195            | 250            | 125                          | 195            | 130            | 130            | 195            | 285            | 30                       | 23                                  | 590                    |
| 9          | 140                          | 235            | 250            | 135                          | 235            | 140            | 145            | 235            | 330            | 42                       | 33                                  | 830                    |
| 10         | 160                          | 235            | 300            | 150                          | 235            | 150            | 155            | 235            | 350            | 45                       | 34                                  | 960                    |
| 11         | 170                          | 270            | 300            | 165                          | 270            | 165            | 170            | 270            | 400            | 71                       | 58                                  | 1335                   |
| 12         | 180                          | 270            | 300            | 180                          | 270            | 180            | 185            | 270            | 405            | 76                       | 60                                  | 1615                   |

平行轴齿轮箱 Helical Gear Units

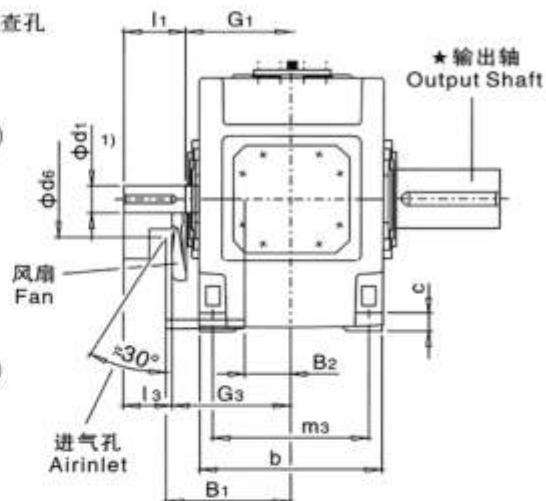
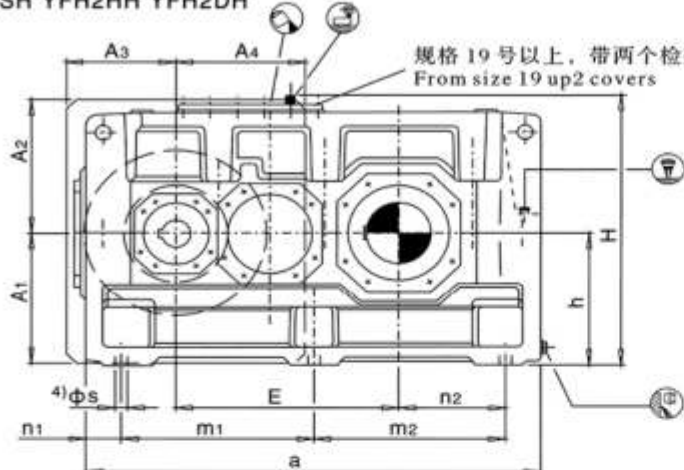
两级传动 Two stage

卧式安装 Horizontal

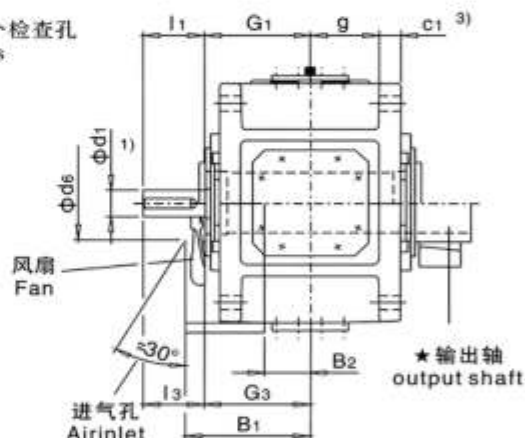
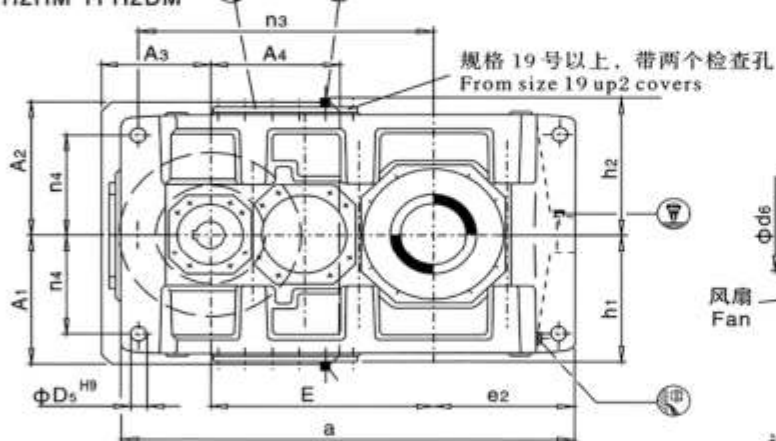
类型 YFH2.H,YFH2.M Type YFH2,H,YFH2,M

规格 13...22 sizes 13...22

### YFH2SH YFH2HH YFH2DH



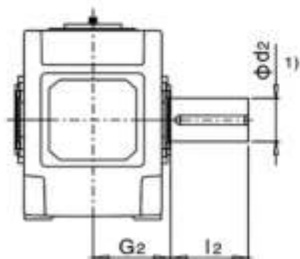
### YFH2HM YFH2DM



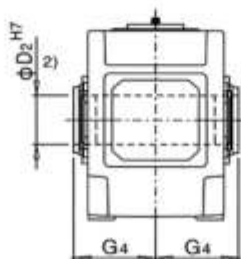
### ★ 输出轴 Output Shaft

### 布置形式 Design

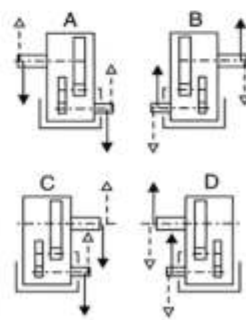
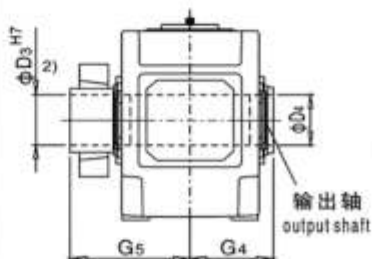
#### YFH2SH 实心轴 Solid shaft



#### YFH2HH 空心轴 Hollow shaft



#### YFH2DH 带胀紧盘的空心轴 Hollow shaft for shrink disk



1)  $\phi m6 \leq \phi 100$   $n6 > \phi 100$

有关平键和中心孔, 参见第5页

2) 键槽 GB/ 1095-1979

3) 扭力支撑位于工作机侧

4) 在安装基础螺栓前, 应先拆下风扇罩

5) 规格13和15号: 速比只有in=6.3-18; 规格17和19号: 速比只有in=6.3-16

1)  $\phi m6 \leq \phi 100$   $n6 > \phi 100$

For Parallel key and for centre hole, see page 5

2) Keyway GB/T 1095-1979

3) Torque support on driven machine side

4) Remove airguide cover before fitting the foundation bolts

5) Sizes 13 and 15; only in=6.3-18; sizes 17 and 19; only in=6.3-16

平行轴齿轮箱 Helical Gear Units

两级传动 Two stage

卧式安装 Horizontal

类型 YFH2.H, YFH2.M Type YFH2.H, YFH2.M

规格 13...22 sizes 13...22

| 规格<br>Size | 尺寸 mm Dimension in mm |       |       |                  |       |       |              |       |       |                 |       |       |                 |       |       |               |       |       |
|------------|-----------------------|-------|-------|------------------|-------|-------|--------------|-------|-------|-----------------|-------|-------|-----------------|-------|-------|---------------|-------|-------|
|            | 输入轴 Input shaft       |       |       |                  |       |       |              |       |       |                 |       |       |                 |       |       |               |       |       |
|            | $i_N = 6.3-11.2$      |       |       | $i_N = 7.1-12.5$ |       |       | $i_N = 8-14$ |       |       | $i_N = 12.5-20$ |       |       | $i_N = 14-22.4$ |       |       | $i_N = 16-25$ |       |       |
|            | $d_1^{1)}$            | $l_1$ | $l_3$ | $d_1^{1)}$       | $l_1$ | $l_3$ | $d_1^{1)}$   | $l_1$ | $l_3$ | $d_1^{1)}$      | $l_1$ | $l_3$ | $d_1^{1)}$      | $l_1$ | $l_3$ | $d_1^{1)}$    | $l_1$ | $l_3$ |
| 13         | 100                   | 205   | 170   |                  |       |       |              |       |       | 85              | 170   | 135   |                 |       |       |               |       |       |
| 14         |                       |       |       |                  |       |       | 100          | 205   | 170   |                 |       |       |                 |       |       | 85            | 170   | 135   |
| 15         | 120                   | 210   | 165   |                  |       |       |              |       |       | 100             | 210   | 165   |                 |       |       |               |       |       |
| 16         |                       |       |       | 120              | 210   | 165   |              |       |       |                 |       |       | 100             | 210   | 165   |               |       |       |
| 17         | 125                   | 245   | 200   |                  |       |       |              |       |       | 110             | 210   | 165   |                 |       |       |               |       |       |
| 18         |                       |       |       | 125              | 245   | 200   |              |       |       |                 |       |       | 110             | 210   | 165   |               |       |       |
| 19         | 150                   | 245   | 200   |                  |       |       |              |       |       | 120             | 210   | 165   |                 |       |       |               |       |       |
| 20         |                       |       |       | 150              | 245   | 200   |              |       |       |                 |       |       | 120             | 210   | 165   |               |       |       |
| 21         | 170                   | 290   | 240   |                  |       |       |              |       |       | 140             | 250   | 200   |                 |       |       |               |       |       |
| 22         |                       |       |       | 170              | 290   | 240   |              |       |       |                 |       |       | 140             | 250   | 200   |               |       |       |

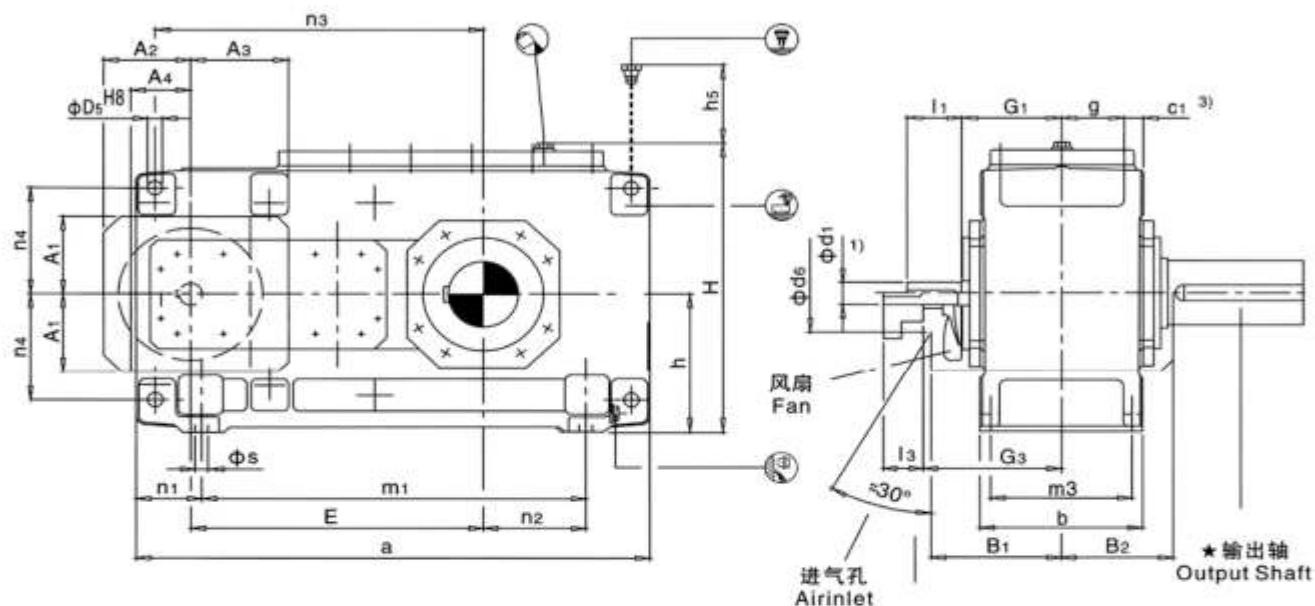
| 规格<br>Size | 尺寸 mm    Dimension in mm |                |                |                |                |     |                |                |     |                |                |                |                |      |
|------------|--------------------------|----------------|----------------|----------------|----------------|-----|----------------|----------------|-----|----------------|----------------|----------------|----------------|------|
|            | 齿 轮 箱    Gear housing    |                |                |                |                |     |                |                |     |                |                |                |                |      |
|            | a                        | A <sub>1</sub> | A <sub>2</sub> | A <sub>3</sub> | A <sub>4</sub> | b   | B <sub>1</sub> | B <sub>2</sub> | c   | c <sub>1</sub> | d <sub>6</sub> | D <sub>5</sub> | e <sub>2</sub> | E    |
| 13         | 1290                     | 430            | 460            | 330            | 365            | 550 | 385            | 135            | 60  | 61 ± 2         | 250            | 48             | 405            | 635  |
| 14         | 1430                     | 430            | 460            | 330            | 365            | 550 | 385            | 135            | 60  | 61 ± 2         | 250            | 48             | 475            | 705  |
| 15         | 1550                     | 490            | 500            | 370            | 440            | 625 | 430            | 155            | 70  | 72 ± 2         | 280            | 55             | 485            | 762  |
| 16         | 1640                     | 490            | 500            | 370            | 440            | 625 | 430            | 155            | 70  | 72 ± 2         | 280            | 55             | 530            | 808  |
| 17         | 1740                     | 540            | 565            | 435            | 505            | 690 | 485            | 140            | 80  | 81 ± 2         | 280            | 55             | 525            | 860  |
| 18         | 1860                     | 540            | 565            | 435            | 505            | 690 | 485            | 140            | 80  | 81 ± 2         | 280            | 55             | 585            | 920  |
| 19         | 2010                     | 600            | 600            | 500            | 450            | 790 | 540            | 190            | 90  | 91 ± 2         | 310            | 65             | 590            | 997  |
| 20         | 2130                     | 600            | 600            | 500            | 450            | 790 | 540            | 190            | 90  | 91 ± 2         | 310            | 65             | 650            | 1057 |
| 21         | 2140                     | 680            | 680            | 500            | 610            | 830 | 565            | 200            | 100 | 100 ± 2        | 450            | 75             | 655            | 1067 |
| 22         | 2250                     | 680            | 680            | 500            | 610            | 830 | 565            | 200            | 100 | 100 ± 2        | 450            | 75             | 710            | 1122 |

| 规格<br>Size | 尺寸 mm    Dimension in mm |     |                |                |      |                |                |                |                |                |                |                |    |
|------------|--------------------------|-----|----------------|----------------|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|
|            | 齿 轮 箱    Gear housing    |     |                |                |      |                |                |                |                |                |                |                |    |
|            | g                        | h   | h <sub>1</sub> | h <sub>2</sub> | H    | m <sub>1</sub> | m <sub>2</sub> | m <sub>3</sub> | n <sub>1</sub> | n <sub>2</sub> | n <sub>3</sub> | n <sub>4</sub> | s  |
| 13         | 211.5                    | 440 | 450            | 460            | 900  | 545            | 545            | 475            | 100            | 305            | 835            | 340            | 35 |
| 14         | 211.5                    | 440 | 450            | 460            | 900  | 545            | 685            | 475            | 100            | 375            | 905            | 340            | 35 |
| 15         | 238                      | 500 | 490            | 500            | 1000 | 655            | 655            | 535            | 120            | 365            | 1005           | 375            | 42 |
| 16         | 238                      | 500 | 490            | 500            | 1000 | 655            | 745            | 535            | 120            | 410            | 1050           | 375            | 42 |
| 17         | 259                      | 550 | 555            | 560            | 1110 | 735            | 735            | 600            | 135            | 390            | 1145           | 425            | 42 |
| 18         | 259                      | 550 | 555            | 560            | 1110 | 735            | 855            | 600            | 135            | 450            | 1205           | 425            | 42 |
| 19         | 299                      | 620 | 615            | 620            | 1240 | 850            | 850            | 690            | 155            | 435            | 1345           | 475            | 48 |
| 20         | 299                      | 620 | 615            | 620            | 1240 | 850            | 970            | 690            | 155            | 495            | 1405           | 475            | 48 |
| 21         | 310                      | 700 | 685            | 690            | 1390 | 900            | 900            | 720            | 170            | 485            | 1400           | 520            | 56 |
| 22         | 310                      | 700 | 685            | 690            | 1390 | 900            | 1010           | 720            | 170            | 540            | 1455           | 520            | 56 |

| 规格<br>Size | 尺寸 mm Dimension in mm |                |                |                                           |                |                                           |                |                |                |                         | 润滑油 Lubrication                 |  |        | 重量 Weighy (kg) |        |
|------------|-----------------------|----------------|----------------|-------------------------------------------|----------------|-------------------------------------------|----------------|----------------|----------------|-------------------------|---------------------------------|--|--------|----------------|--------|
|            | 输出轴 Output shaft      |                |                |                                           |                |                                           |                |                |                |                         | YFH2.H                          |  | YFH2.M |                |        |
|            | YFH2SH                |                |                | YFH2HH <sup>5)</sup> YFH2HM <sup>5)</sup> |                | YFH2DM <sup>5)</sup> YFH2DM <sup>5)</sup> |                |                |                | 轴封<br>Shaft seal<br>(I) | 迷宫式密封<br>Labyrinth seal<br>(II) |  | (I)    | YFH2.H         | YFH2.M |
|            | $d_2^{1)}$            | G <sub>2</sub> | l <sub>2</sub> | D <sub>2</sub> <sup>2)</sup>              | G <sub>4</sub> | D <sub>3</sub>                            | D <sub>4</sub> | G <sub>4</sub> | G <sub>5</sub> |                         |                                 |  |        | (kg)           | (kg)   |
| 13         | 200                   | 335            | 350            | 190                                       | 335            | 190                                       | 195            | 335            | 480            | 135                     | 120                             |  | 110    | 2000           | 1880   |
| 14         | 210                   | 335            | 350            | 210                                       | 335            | 210                                       | 215            | 335            | 480            | 140                     | 130                             |  | 115    | 2570           | 2430   |
| 15         | 230                   | 380            | 410            | 230                                       | 380            | 230                                       | 235            | 380            | 550            | 210                     | 190                             |  | 160    | 3430           | 3240   |
| 16         | 240                   | 380            | 410            | 240                                       | 380            | 240                                       | 245            | 380            | 550            | 215                     | 200                             |  | 165    | 3655           | 3465   |
| 17         | 250                   | 415            | 410            | 250                                       | 415            | 250                                       | 260            | 415            | 600            | 290                     | 260                             |  | 230    | 4650           | 4420   |
| 18         | 270                   | 415            | 470            | 275                                       | 415            | 280                                       | 285            | 415            | 600            | 300                     | 270                             |  | 240    | 5125           | 4870   |
| 19         | 290                   | 465            | 470            | -                                         | -              | 285                                       | 295            | 465            | 670            | 320                     | -                               |  | 300    | 5250           | 5000   |
| 20         | 300                   | 465            | 500            | -                                         | -              | 310                                       | 315            | 465            | 670            | 340                     | -                               |  | 320    | 6550           | 6150   |
| 21         | 320                   | 490            | 500            | -                                         | -              | 330                                       | 335            | 490            | 715            | 320                     | -                               |  | 350    | 7200           | 6950   |
| 22         | 340                   | 490            | 550            | -                                         | -              | 340                                       | 345            | 490            | 725            | 340                     | -                               |  | 370    | 7800           | 7550   |

平行轴齿轮箱 Helical Gear Units  
三级传动 Three stage  
卧式安装 Horizontal  
类型 YFH3.H type YFH3.H  
规格 5...12 sizes 5...12

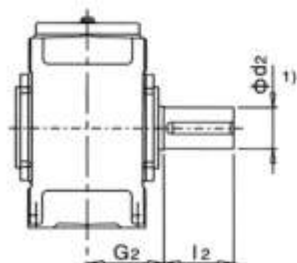
YFH3SH YFH3HH YFH3DH



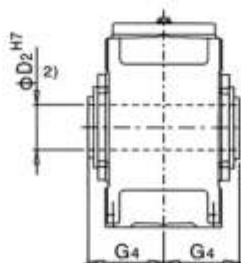
★输出轴 Output Shaft

布置形式 Design

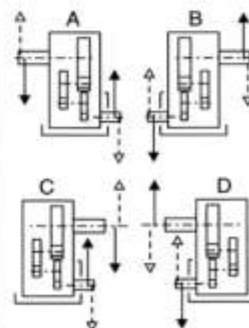
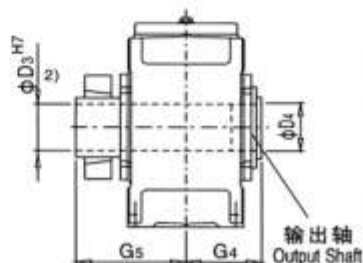
YFH3SH  
实心轴 Solid shaft



YFH3HH  
空心轴 Hollow shaft



YFH3DH  
带胀紧盘的空心轴  
Hollow shaft for shrink disk



1)  $k_6 \leq \phi 24$   $\phi 28 \geq m_6 \leq \phi 100$

有关平键和中心孔, 参见第5页

2) 键槽GB/T 1095-1979

3) 扭力支撑位于工作机侧

$n_6 > \phi 100$

1)  $k_6 \leq \phi 24$   $\phi 28 \geq m_6 \leq \phi 100$   $n_6 > \phi 100$

For Parallel key and for centre hole, see page 5

2) KeywayGB/T 1095-1979

3) Torque support on driven machine side

平行轴齿轮箱 Helical Gear Units

三级传动 Three stage

卧式安装 Horizontal

类型 YFH3.H Type YFH3.H

规格 5...12 sizes 5...12

| 规格<br>Size | 尺寸 mm Dimension in mm |       |       |                 |       |       |               |       |       |               |       |       |               |       |       |                |       |       |
|------------|-----------------------|-------|-------|-----------------|-------|-------|---------------|-------|-------|---------------|-------|-------|---------------|-------|-------|----------------|-------|-------|
|            | 输入轴 Input shaft       |       |       |                 |       |       |               |       |       |               |       |       |               |       |       |                |       |       |
|            | $i_N = 25-45$         |       |       | $i_N = 31.5-56$ |       |       | $i_N = 50-63$ |       |       | $i_N = 63-80$ |       |       | $i_N = 71-90$ |       |       | $i_N = 90-112$ |       |       |
|            | $d_1^{1)}$            | $l_1$ | $l_3$ | $d_1^{1)}$      | $l_1$ | $l_3$ | $d_1^{1)}$    | $l_1$ | $l_3$ | $d_1^{1)}$    | $l_1$ | $l_3$ | $d_1^{1)}$    | $l_1$ | $l_3$ | $d_1^{1)}$     | $l_1$ | $l_3$ |
| 5          | 40                    | 70    | 70    |                 |       |       | 30            | 50    | 50    |               |       |       | 24            | 40    | 40    |                |       |       |
| 6          |                       |       |       | 40              | 70    | 70    |               |       |       | 30            | 50    | 50    |               |       |       | 24             | 40    | 40    |
| 7          | 45                    | 80    | 80    |                 |       |       | 35            | 60    | 60    |               |       |       | 28            | 50    | 50    |                |       |       |
| 8          |                       |       |       | 45              | 80    | 80    |               |       |       | 35            | 60    | 60    |               |       |       | 28             | 50    | 50    |
| 9          | 60                    | 125   | 105   |                 |       |       | 45            | 100   | 80    |               |       |       | 32            | 80    | 60    |                |       |       |
| 10         |                       |       |       | 60              | 125   | 105   |               |       |       | 45            | 100   | 80    |               |       |       | 32             | 80    | 60    |
| 11         | 70                    | 120   | 120   |                 |       |       | 50            | 80    | 80    |               |       |       | 42            | 70    | 70    |                |       |       |
| 12         |                       |       |       | 70              | 120   | 120   |               |       |       | 50            | 80    | 80    |               |       |       | 42             | 70    | 70    |

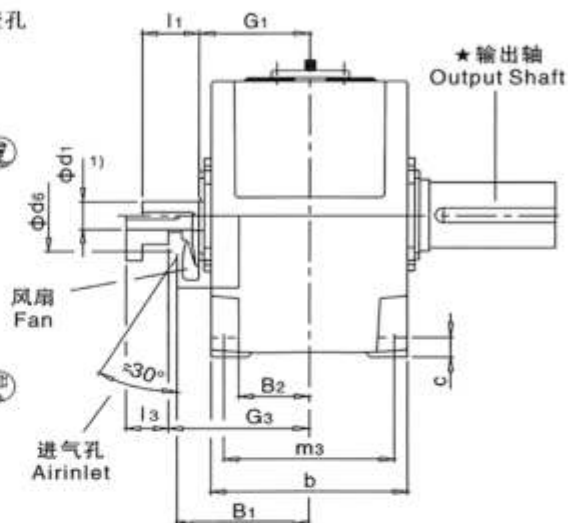
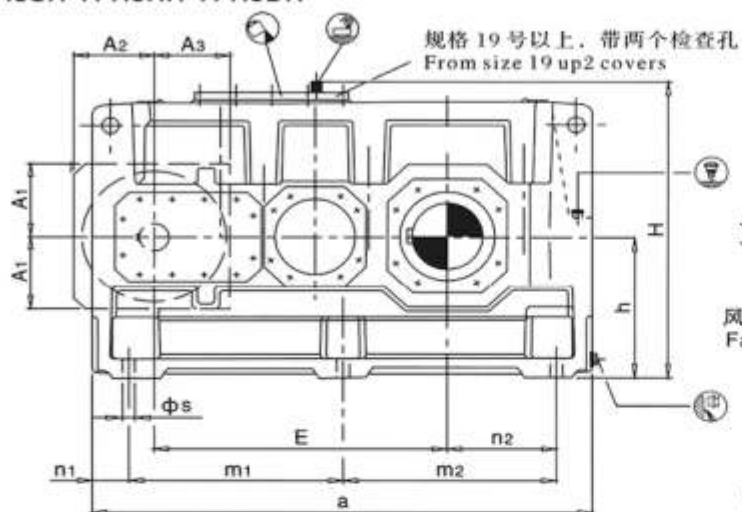
| 规格<br>Size | 尺寸 mm    Dimension sin mm |                |                |                |                |     |                |                |    |                |                |                |
|------------|---------------------------|----------------|----------------|----------------|----------------|-----|----------------|----------------|----|----------------|----------------|----------------|
|            | 齿 轮 箱    Gear housing     |                |                |                |                |     |                |                |    |                |                |                |
|            | a                         | A <sub>1</sub> | A <sub>2</sub> | A <sub>3</sub> | A <sub>4</sub> | b   | B <sub>1</sub> | B <sub>2</sub> | c  | c <sub>1</sub> | d <sub>6</sub> | D <sub>5</sub> |
| 5          | 690                       | 137            | 135            | 140            | 80             | 255 | 215            | 175            | 28 | 30 ± 1         | 60             | 24             |
| 6          | 770                       | 137            | 135            | 140            | 80             | 255 | 215            | 175            | 28 | 30 ± 1         | 60             | 24             |
| 7          | 845                       | 157            | 160            | 180            | 100            | 300 | 245            | 205            | 35 | 36 ± 1         | 75             | 28             |
| 8          | 950                       | 157            | 160            | 180            | 100            | 300 | 245            | 205            | 35 | 36 ± 1         | 75             | 28             |
| 9          | 1000                      | 182            | 190            | 205            | 120            | 370 | 295            | 240            | 40 | 45 ± 1.5       | 90             | 36             |
| 10         | 1100                      | 182            | 190            | 205            | 120            | 370 | 295            | 240            | 40 | 45 ± 1.5       | 90             | 36             |
| 11         | 1200                      | 218            | 220            | 255            | 150            | 430 | 325            | 280            | 50 | 54 ± 1.5       | 100            | 40             |
| 12         | 1355                      | 218            | 220            | 255            | 150            | 430 | 325            | 280            | 50 | 54 ± 1.5       | 100            | 40             |

| 规格<br>Size | 尺寸 mm Dimension in mm |      |     |                |     |                |                |                |                |                |                |    |
|------------|-----------------------|------|-----|----------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|----|
|            | 齿 轮 箱 Gear housing    |      |     |                |     |                |                |                |                |                |                |    |
|            | E                     | g    | h   | h <sub>5</sub> | H   | m <sub>1</sub> | m <sub>3</sub> | n <sub>1</sub> | n <sub>2</sub> | n <sub>3</sub> | n <sub>4</sub> | s  |
| 5          | 405                   | 97.5 | 230 | 130            | 482 | 480            | 220            | 105            | 100            | 455            | 180            | 19 |
| 6          | 440                   | 97.5 | 230 | 130            | 482 | 560            | 220            | 105            | 145            | 490            | 180            | 19 |
| 7          | 495                   | 114  | 280 | 170            | 572 | 605            | 260            | 120            | 130            | 560            | 215            | 24 |
| 8          | 540                   | 114  | 280 | 160            | 582 | 710            | 260            | 120            | 190            | 605            | 215            | 24 |
| 9          | 580                   | 140  | 320 | 185            | 662 | 710            | 320            | 145            | 155            | 660            | 245            | 28 |
| 10         | 630                   | 140  | 320 | 185            | 662 | 810            | 320            | 145            | 205            | 710            | 245            | 28 |
| 11         | 705                   | 161  | 380 | 180            | 782 | 870            | 370            | 165            | 180            | 805            | 300            | 35 |
| 12         | 775                   | 161  | 380 | 170            | 790 | 1025           | 370            | 165            | 265            | 875            | 300            | 35 |

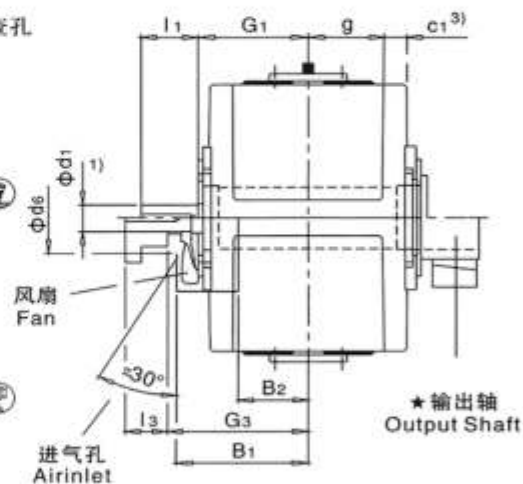
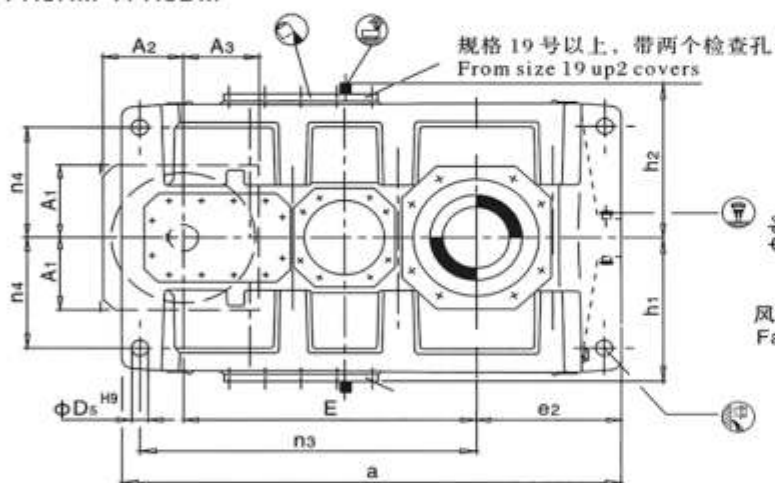
| 规格<br>Size | 尺寸 mm    Dimension in mm     |                |                |                              |                |                |                |                |                | 润 滑 油<br>Lubrication<br>(l) | 重 量<br>Weighty<br>(kg) |
|------------|------------------------------|----------------|----------------|------------------------------|----------------|----------------|----------------|----------------|----------------|-----------------------------|------------------------|
|            | 输 出 轴    Output shaft        |                |                |                              |                |                |                |                |                |                             |                        |
|            | YFH3SH                       |                |                | YFH3HH                       |                | YFH3DH         |                |                |                |                             |                        |
|            | d <sub>2</sub> <sup>1)</sup> | G <sub>2</sub> | l <sub>2</sub> | D <sub>2</sub> <sup>2)</sup> | G <sub>4</sub> | D <sub>3</sub> | D <sub>4</sub> | G <sub>4</sub> | G <sub>5</sub> |                             |                        |
| 5          | 100                          | 165            | 210            | 95                           | 165            | 100            | 100            | 165            | 240            | 15                          | 320                    |
| 6          | 110                          | 165            | 210            | 105                          | 165            | 110            | 110            | 165            | 240            | 17                          | 365                    |
| 7          | 120                          | 195            | 210            | 115                          | 195            | 120            | 120            | 195            | 280            | 28                          | 540                    |
| 8          | 130                          | 195            | 250            | 125                          | 195            | 130            | 130            | 195            | 285            | 30                          | 625                    |
| 9          | 140                          | 235            | 250            | 135                          | 235            | 140            | 145            | 235            | 330            | 45                          | 875                    |
| 10         | 160                          | 235            | 300            | 150                          | 235            | 150            | 155            | 235            | 350            | 46                          | 1020                   |
| 11         | 170                          | 270            | 300            | 165                          | 270            | 165            | 170            | 270            | 400            | 85                          | 1400                   |
| 12         | 180                          | 270            | 300            | 180                          | 270            | 180            | 185            | 270            | 405            | 90                          | 1675                   |

平行轴齿轮箱 Helical Gear Units  
 三级传动 Three stage  
 卧式安装 Horizontal  
 类型 YFH3.H,H3M Type YFH3.H,H3M  
 规格 13...22 sizes 13...22

### YFH3SH YFH3HH YFH3DH



### YFH3HM YFH3DM

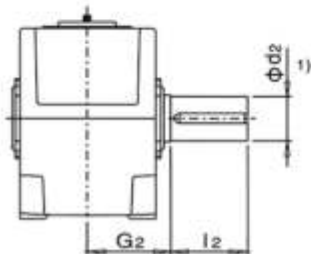


### ★输出轴 Output Shaft

### 布置形式 Design

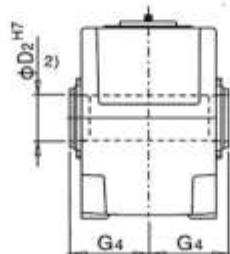
#### YFH3SH

实心轴 Solid shaft



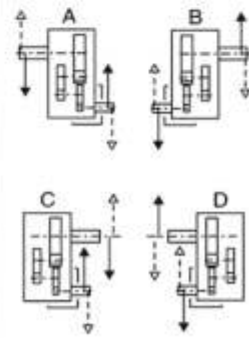
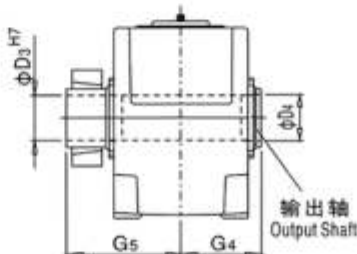
#### YFH3HH

空心轴 Hollow shaft



#### YFH3DH

带胀紧套的空心轴  
Hollow shaft for shrink disk



- 1)  $\phi m6 \leq \phi 100$   $n6 > \phi 100$   
有关平键和中心孔, 参见第5页
- 2) 键槽 GB/T1095-1979
- 3) 扭力支撑位于工作机侧

- 1)  $m6 \leq \phi 100$   $n6 > \phi 100$   
For Parallel key and for centre hole, see page 5
- 2) Keyway GB/T1095-1979
- 3) Torque support on driven machine side

平行轴齿轮箱 Helical Gear Units

三级传动 Three stage

卧式安装 Horizontal

类型 YFH3.H,H3M Type YFH3.H,H3M

规格 13...22 sizes 13...22

| 规格<br>Size | 尺寸 mm Dimension in mm |       |       |                                   |       |       |               |       |       |                                   |       |       |               |       |       |                                     |       |       |
|------------|-----------------------|-------|-------|-----------------------------------|-------|-------|---------------|-------|-------|-----------------------------------|-------|-------|---------------|-------|-------|-------------------------------------|-------|-------|
|            | 输入轴 Input shaft       |       |       |                                   |       |       |               |       |       |                                   |       |       |               |       |       |                                     |       |       |
|            | $i_N = 22.4-45$       |       |       | $i_N = 25-50$<br>$i_N = 28-56$ *) |       |       | $i_N = 50-63$ |       |       | $i_N = 56-71$<br>$i_N = 63-80$ *) |       |       | $i_N = 71-90$ |       |       | $i_N = 80-100$<br>$i_N = 90-112$ *) |       |       |
|            | $d_1$ *)              | $l_1$ | $l_3$ | $d_1$ *)                          | $l_1$ | $l_3$ | $d_1$ *)      | $l_1$ | $l_3$ | $d_1$ *)                          | $l_1$ | $l_3$ | $d_1$ *)      | $l_1$ | $l_3$ | $d_1$ *)                            | $l_1$ | $l_3$ |
| 13         | 85                    | 160   | 130   |                                   |       |       | 60            | 135   | 105   |                                   |       |       | 50            | 110   | 80    |                                     |       |       |
| 14         |                       |       |       | 85                                | 160   | 130   |               |       |       | 60                                | 135   | 105   |               |       |       | 50                                  | 110   | 80    |
| 15         | 100                   | 200   | 165   |                                   |       |       | 75            | 140   | 105   |                                   |       |       | 60            | 140   | 105   |                                     |       |       |
| 16         |                       |       |       | 100                               | 200   | 165   |               |       |       | 75                                | 140   | 105   |               |       |       | 60                                  | 140   | 105   |
| 17         | 100                   | 200   | 165   |                                   |       |       | 75            | 140   | 105   |                                   |       |       | 60            | 140   | 105   |                                     |       |       |
| 18         |                       |       |       | 100                               | 200   | 165   |               |       |       | 75                                | 140   | 105   |               |       |       | 60                                  | 140   | 105   |
| 19         | 110                   | 200   | 4)    |                                   |       |       | 90            | 165   | 4)    |                                   |       |       | 75            | 140   | 4)    |                                     |       |       |
| 20         |                       |       |       | 110                               | 200   | 4)    |               |       |       | 90                                | 165   | 4)    |               |       |       | 75                                  | 140   | 4)    |
| 21         | 130                   | 240   | 4)    |                                   |       |       | 110           | 205   | 4)    |                                   |       |       | 90            | 170   | 4)    |                                     |       |       |
| 22         |                       |       |       | 130                               | 240   | 4)    |               |       |       | 110                               | 205   | 4)    |               |       |       | 90                                  | 170   | 4)    |

\* 仅指规格 14 号齿轮箱 Size 14 \* Gear units

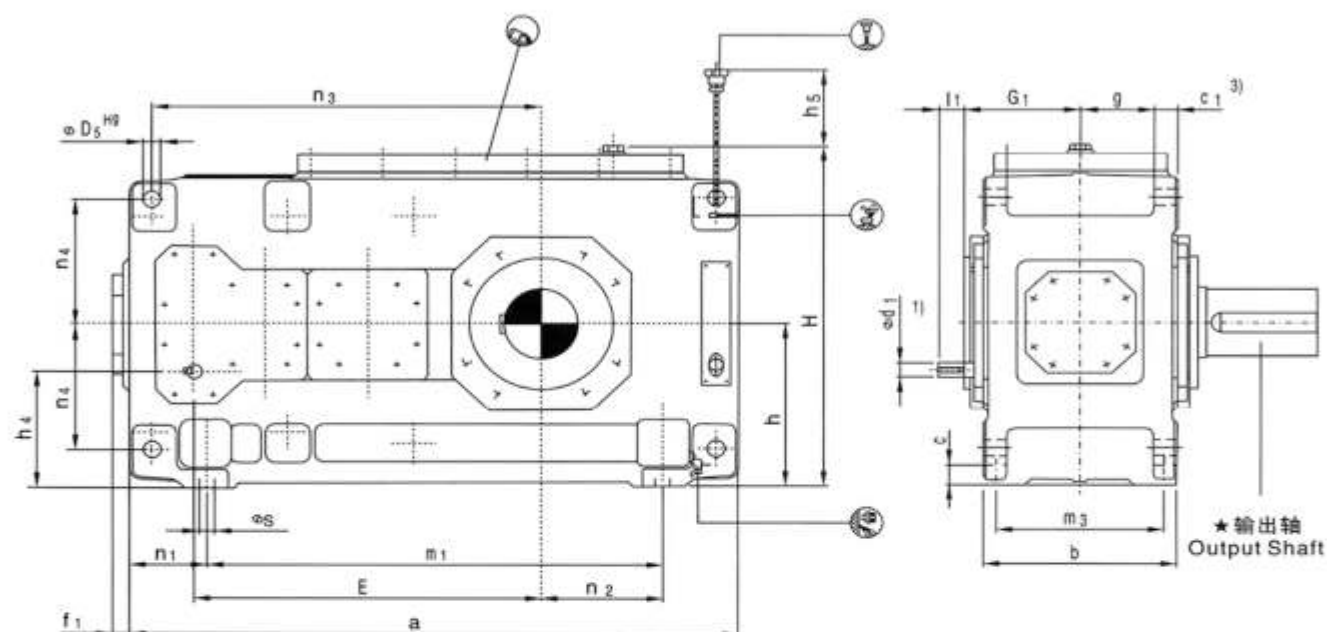
| 规格<br>Size | 尺寸 mm Dimension in mm |                |                |                |     |                |                |     |                |                |                |                |      |
|------------|-----------------------|----------------|----------------|----------------|-----|----------------|----------------|-----|----------------|----------------|----------------|----------------|------|
|            | 齿 轮 箱 Gear housing    |                |                |                |     |                |                |     |                |                |                |                |      |
|            | a                     | A <sub>1</sub> | A <sub>2</sub> | A <sub>3</sub> | b   | B <sub>1</sub> | B <sub>2</sub> | c   | c <sub>1</sub> | d <sub>6</sub> | D <sub>5</sub> | e <sub>2</sub> | E    |
| 13         | 1395                  | 225            | 225            | 212            | 550 | 380            | 195            | 60  | 61 ± 2         | 120            | 48             | 405            | 820  |
| 14         | 1535                  | 225            | 225            | 212            | 550 | 380            | 195            | 60  | 61 ± 2         | 120            | 48             | 475            | 890  |
| 15         | 1680                  | 270            | 265            | 252            | 625 | 415            | 205            | 70  | 72 ± 2         | 150            | 55             | 485            | 987  |
| 16         | 1770                  | 270            | 265            | 252            | 625 | 415            | 205            | 70  | 72 ± 2         | 150            | 55             | 530            | 1033 |
| 17         | 1770                  | 270            | 265            | 252            | 690 | 445            | 235            | 80  | 81 ± 2         | 150            | 55             | 525            | 1035 |
| 18         | 1890                  | 270            | 265            | 252            | 690 | 445            | 235            | 80  | 81 ± 2         | 150            | 55             | 585            | 1095 |
| 19         | 2030                  | 4)             | 4)             | 4)             | 790 | 4)             | 4)             | 90  | 91 ± 2         | 4)             | 65             | 590            | 1190 |
| 20         | 2150                  |                |                |                | 790 |                |                | 90  | 91 ± 2         |                | 65             | 650            | 1250 |
| 21         | 2340                  |                |                |                | 830 |                |                | 100 | 100 ± 2        |                | 75             | 655            | 1387 |
| 22         | 2450                  |                |                |                | 830 |                |                | 100 | 100 ± 2        |                | 75             | 710            | 1442 |

| 规格<br>Size | 尺寸 mm Dimension in mm |     |                |                |      |                |                |                |                |                |                |                |    |  |
|------------|-----------------------|-----|----------------|----------------|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|--|
|            | 齿 轮 箱 Gear housing    |     |                |                |      |                |                |                |                |                |                |                |    |  |
|            | g                     | h   | h <sub>1</sub> | h <sub>2</sub> | H    | m <sub>1</sub> | m <sub>2</sub> | m <sub>3</sub> | n <sub>1</sub> | n <sub>2</sub> | n <sub>3</sub> | n <sub>4</sub> | s  |  |
| 13         | 211.5                 | 440 | 450            | 460            | 900  | 597.5          | 597.5          | 475            | 100            | 305            | 940            | 340            | 35 |  |
| 14         | 211.5                 | 440 | 450            | 460            | 900  | 597.5          | 737.5          | 475            | 100            | 375            | 1010           | 340            | 35 |  |
| 15         | 238                   | 500 | 490            | 500            | 1000 | 720            | 720            | 535            | 120            | 365            | 1135           | 375            | 42 |  |
| 16         | 238                   | 500 | 490            | 500            | 1000 | 720            | 810            | 535            | 120            | 410            | 1180           | 375            | 42 |  |
| 17         | 259                   | 550 | 555            | 560            | 1110 | 750            | 750            | 600            | 135            | 390            | 1175           | 425            | 42 |  |
| 18         | 259                   | 550 | 555            | 560            | 1110 | 750            | 870            | 600            | 135            | 450            | 1235           | 425            | 42 |  |
| 19         | 299                   | 620 | 615            | 620            | 1240 | 860            | 860            | 690            | 155            | 435            | 1365           | 475            | 48 |  |
| 20         | 299                   | 620 | 615            | 620            | 1240 | 860            | 980            | 690            | 155            | 495            | 1425           | 475            | 48 |  |
| 21         | 310                   | 700 | 685            | 690            | 1390 | 1000           | 1000           | 720            | 170            | 485            | 1615           | 520            | 56 |  |
| 22         | 310                   | 700 | 685            | 690            | 1390 | 1000           | 1110           | 720            | 170            | 540            | 1670           | 520            | 56 |  |

| 规格<br>Size | 尺寸 mm Dimension in mm        |                |                |                              |                |                |                |                |                | 润 滑 油<br>Lubrication |        | 重量<br>Weighty |        |
|------------|------------------------------|----------------|----------------|------------------------------|----------------|----------------|----------------|----------------|----------------|----------------------|--------|---------------|--------|
|            | 输 出 轴 Output shaft           |                |                |                              |                |                |                |                |                |                      |        |               |        |
|            | YFH3SH                       |                |                | YFH3HH                       | YFH3HM         | YFH3DM YFH3DM  |                |                |                | YFH3.H               | YFH3.M | YFH3.H        | YFH3.M |
|            | d <sub>2</sub> <sup>1)</sup> | G <sub>2</sub> | l <sub>2</sub> | D <sub>2</sub> <sup>2)</sup> | G <sub>4</sub> | D <sub>3</sub> | D <sub>4</sub> | G <sub>4</sub> | G <sub>5</sub> | (I)                  | (II)   | (kg)          | (kg)   |
| 13         | 200                          | 335            | 350            | 190                          | 335            | 190            | 195            | 335            | 480            | 160                  | 125    | 2295          | 2155   |
| 14         | 210                          | 335            | 350            | 210                          | 335            | 210            | 215            | 335            | 480            | 165                  | 130    | 2625          | 2490   |
| 15         | 230                          | 380            | 410            | 230                          | 380            | 230            | 235            | 380            | 550            | 235                  | 190    | 3475          | 3260   |
| 16         | 240                          | 380            | 410            | 240                          | 380            | 240            | 245            | 380            | 550            | 245                  | 195    | 3875          | 3625   |
| 17         | 250                          | 415            | 410            | 250                          | 415            | 250            | 260            | 415            | 600            | 305                  | 240    | 4560          | 4250   |
| 18         | 270                          | 415            | 470            | 275                          | 415            | 280            | 285            | 415            | 600            | 315                  | 250    | 5030          | 4740   |
| 19         | 290                          | 465            | 470            | —                            | —              | 285            | 295            | 465            | 670            | 420                  | 390    | 5050          | 4750   |
| 20         | 300                          | 465            | 500            | —                            | —              | 310            | 315            | 465            | 670            | 450                  | 415    | 6650          | 6250   |
| 21         | 320                          | 490            | 500            | —                            | —              | 330            | 335            | 490            | 715            | 470                  | 515    | 6950          | 6550   |
| 22         | 340                          | 490            | 500            | —                            | —              | 340            | 345            | 490            | 725            | 490                  | 540    | 7550          | 7050   |

平行轴齿轮箱 Helical Gear Units  
四级传动 Four stage  
卧式安装 Horizontal  
类型 YFH4.H Type YFH4.H  
规格 7...12 sizes 7...12

## YFH4SH YFH4HH YFH4DH

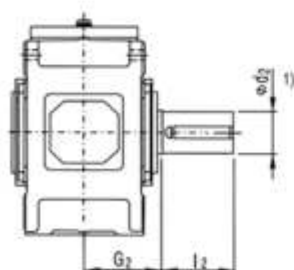


### ★ 输出轴 Output Shaft

### 布置形式 Design

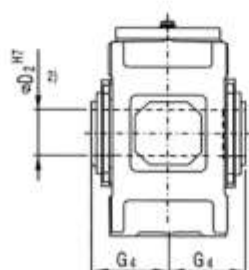
#### YFH4SH

实心轴 Solid shaft



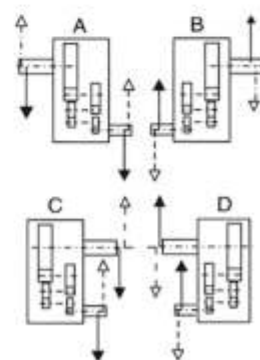
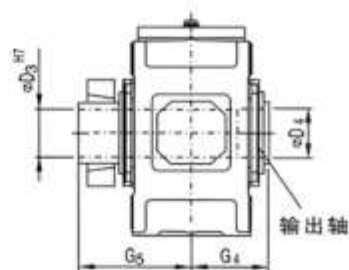
#### YFH4HH

空心轴 Hollow shaft



#### YFH4DH

带胀紧盘的空心轴  
Hollow shaft for shrink disk



1)  $k_6 \leq \varnothing 24$   $\varnothing 28 \geq m_6 \leq \varnothing 100$   $n_6 > \varnothing 100$

有关平键 DIN 6885/1B 型和中心孔, 参见第 5 页

2) 键槽 GB/T1095-1979

3) 扭力支撑位于工作机侧

1)  $k_6 \leq \varnothing 24$   $\varnothing 28 \geq m_6 \leq \varnothing 100$   $n_6 > \varnothing 100$

For Parallel key and for centre hole, see page 5

2) Keyway GB/T1095-1979

3) Torque support on driven machine side

平行轴齿轮箱 Helical Gear Units

四级传动 Four stage

卧式安装 Horizontal

类型 YFH4.H Type YFH4.H

规格 7...12 sizes 7...12

| 规格<br>Size | 尺寸 mm Dimension in mm |       |                 |       |                 |       |                 |       |
|------------|-----------------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|
|            | 输入轴 Input shaft       |       |                 |       |                 |       |                 |       |
|            | $i_N = 100-180$       |       | $i_N = 125-224$ |       | $i_N = 200-355$ |       | $i_N = 250-450$ |       |
|            | $d_1^{1)}$            | $l_1$ | $d_1^{1)}$      | $l_1$ | $d_1^{1)}$      | $l_1$ | $d_1^{1)}$      | $l_1$ |
| 7          | 30                    | 50    |                 |       | 24              | 40    |                 | 180   |
| 8          |                       |       | 30              | 50    |                 |       | 24              | 180   |
| 9          | 35                    | 60    |                 |       | 28              | 50    |                 | 215   |
| 10         |                       |       | 35              | 60    |                 |       | 28              | 215   |
| 11         | 45                    | 100   |                 |       | 32              | 80    |                 | 250   |
| 12         |                       |       | 45              | 100   |                 |       | 32              | 250   |

| 规格<br>Size | 尺寸 mm Dimension in mm |     |    |              |       |     |       |     |     |       |       |     |       |       |       |       |       |       |    |
|------------|-----------------------|-----|----|--------------|-------|-----|-------|-----|-----|-------|-------|-----|-------|-------|-------|-------|-------|-------|----|
|            | 齿轮箱 Gear housing      |     |    |              |       |     |       |     |     |       |       |     |       |       |       |       |       |       |    |
|            | a                     | b   | c  | $c_1$        | $D_s$ | E   | $f_1$ | g   | h   | $h_4$ | $h_5$ | H   | $m_1$ | $m_3$ | $n_1$ | $n_2$ | $n_3$ | $n_4$ | s  |
| 7          | 845                   | 300 | 35 | $36 \pm 1$   | 28    | 495 | 37    | 114 | 280 | 200   | 140   | 572 | 605   | 260   | 120   | 130   | 560   | 215   | 24 |
| 8          | 950                   | 300 | 35 | $36 \pm 1$   | 28    | 540 | 37    | 114 | 280 | 200   | 140   | 582 | 710   | 260   | 120   | 190   | 605   | 215   | 24 |
| 9          | 1000                  | 370 | 40 | $45 \pm 1.5$ | 36    | 580 | 43    | 140 | 320 | 230   | 150   | 662 | 710   | 320   | 145   | 155   | 660   | 245   | 28 |
| 10         | 1100                  | 370 | 40 | $45 \pm 1.5$ | 36    | 630 | 43    | 140 | 320 | 230   | 150   | 662 | 810   | 320   | 145   | 205   | 710   | 245   | 28 |
| 11         | 1200                  | 430 | 50 | $54 \pm 1.5$ | 40    | 705 | 47    | 161 | 380 | 270   | 165   | 782 | 870   | 370   | 165   | 180   | 805   | 300   | 35 |
| 12         | 1355                  | 430 | 50 | $54 \pm 1.5$ | 40    | 775 | 47    | 161 | 380 | 270   | 165   | 790 | 1025  | 370   | 165   | 265   | 875   | 300   | 35 |

| 规格<br>Size | 尺寸 mm    Dimension in mm     |                |                |                              |                |                |                |                |                | 润 滑 油<br>Lubrication<br>(l) | 重 量<br>Weighty<br>(kg) |
|------------|------------------------------|----------------|----------------|------------------------------|----------------|----------------|----------------|----------------|----------------|-----------------------------|------------------------|
|            | 输 出 轴    Output shaft        |                |                |                              |                |                |                |                |                |                             |                        |
|            | YFH4SH                       |                |                | YFH4HH                       |                | YFH4DH         |                |                |                |                             |                        |
|            | d <sub>2</sub> <sup>1)</sup> | G <sub>2</sub> | l <sub>2</sub> | D <sub>2</sub> <sup>2)</sup> | G <sub>4</sub> | D <sub>3</sub> | D <sub>4</sub> | G <sub>4</sub> | G <sub>5</sub> |                             |                        |
| 7          | 120                          | 195            | 210            | 115                          | 195            | 120            | 120            | 195            | 280            | 25                          | 550                    |
| 8          | 130                          | 195            | 250            | 125                          | 195            | 130            | 130            | 195            | 285            | 27                          | 645                    |
| 9          | 140                          | 235            | 250            | 135                          | 235            | 140            | 145            | 235            | 330            | 48                          | 875                    |
| 10         | 160                          | 235            | 300            | 150                          | 235            | 150            | 155            | 235            | 350            | 50                          | 1010                   |
| 11         | 170                          | 270            | 300            | 165                          | 270            | 165            | 170            | 270            | 400            | 80                          | 1460                   |
| 12         | 180                          | 270            | 300            | 180                          | 270            | 180            | 185            | 270            | 405            | 87                          | 1725                   |

平行轴齿轮箱 Helical Gear Units

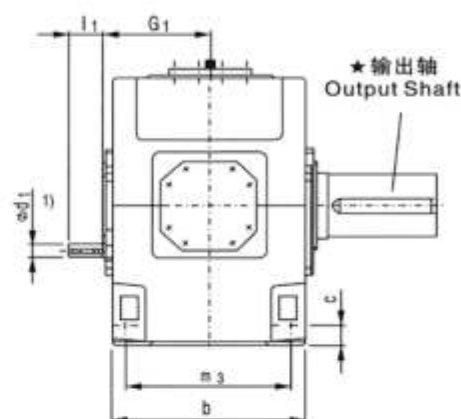
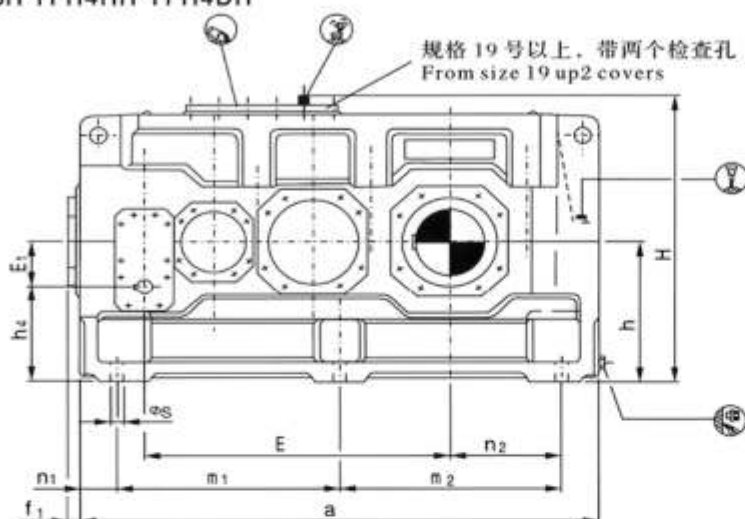
四级传动 Four stage

卧式安装 Horizontal

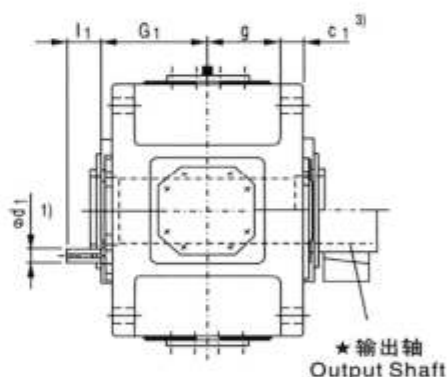
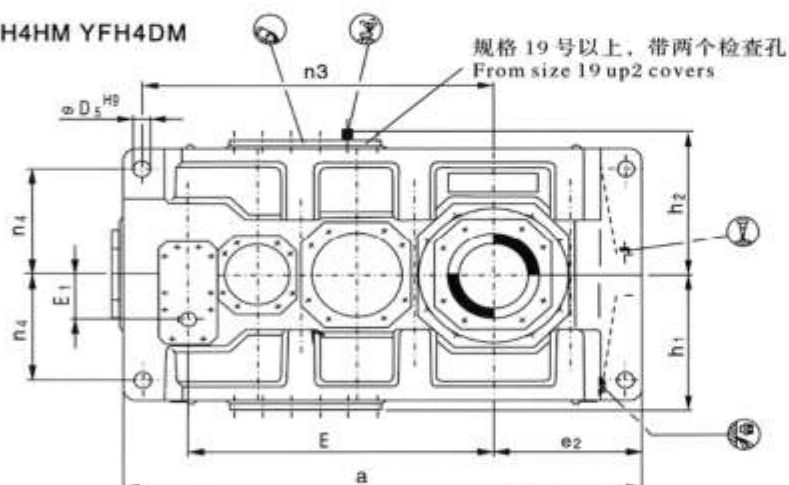
类型 YFH4.H,YFH4.M Type YFH4.H,YFH4.M

规格 13...22 sizes 13...22

### YFH4SH YFH4HH YFH4DH



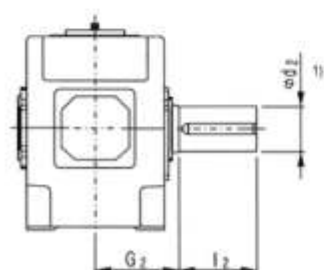
### YFH4HM YFH4DM



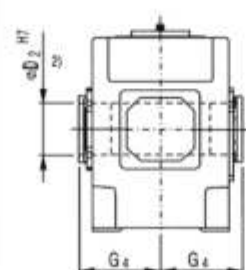
#### ★ 输出轴 Output Shaft

#### 布置形式 Design

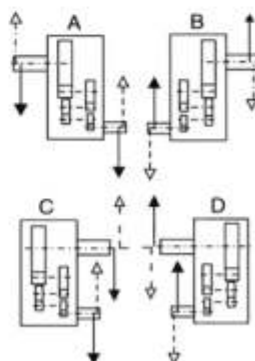
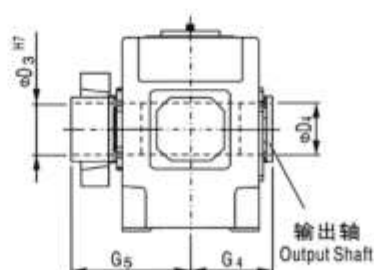
YFH4SH  
实心轴 Solid shaft



YFH4HH,YFH4HM  
空心轴 Hollow shaft



YFH4DH,YFH4DM  
带胀紧盘的空心轴  
Hollow shaft for shrink disk



1)  $m_6 \leq \phi 100$   $n_6 > \phi 100$

有关平键 DIN 6885/1B 型和中心孔, 参见第 5 页

2) 键槽 GB/T 1095-1979

3) 扭力支撑位于工作机侧

1)  $m_6 \leq \phi 100$   $n_6 > \phi 100$

For Parallel key and for centre hole, see page 5

2) Keyway GB/T1095-1979

3) Torque support on driven machine side

平行轴齿轮箱 Helical Gear Units

四级传动 Four stage

卧式安装 Horizontal

类型 YFH4.H, YFH4.M Type YFH4.H, YFH4.M

规格 13...22 sizes 13...22

| 规格<br>Size | 尺寸 mm    Dimension in mm |       |                 |       |                 |       |                 |       |                 |       |                 |       |       |
|------------|--------------------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-------|
|            | 输 入 轴    Input shaft     |       |                 |       |                 |       |                 |       |                 |       |                 |       |       |
|            | $i_N = 100-180$          |       | $i_N = 112-200$ |       | $i_N = 125-224$ |       | $i_N = 200-355$ |       | $i_N = 224-400$ |       | $i_N = 250-450$ |       | $G_1$ |
|            | $d_1^{1)}$               | $l_1$ | $d_1^{1)}$      | $l_1$ | $d_1^{1)}$      | $l_1$ | $d_1^{1)}$      | $l_1$ | $d_1^{1)}$      | $l_1$ | $d_1^{1)}$      | $l_1$ |       |
| 13         | 50                       | 100   |                 |       |                 |       | 38              | 80    |                 |       |                 |       | 305   |
| 14         |                          |       |                 |       | 50              | 100   |                 |       |                 |       | 38              | 80    | 305   |
| 15         | 60                       | 135   |                 |       |                 |       | 50              | 110   |                 |       |                 |       | 345   |
| 16         |                          |       | 60              | 135   |                 |       |                 |       | 50              | 110   |                 |       | 345   |
| 17         | 60                       | 105   |                 |       |                 |       | 50              | 80    |                 |       |                 |       | 380   |
| 18         |                          |       | 60              | 105   |                 |       |                 |       | 50              | 80    |                 |       | 380   |
| 19         | 75                       | 105   |                 |       |                 |       | 60              | 105   |                 |       |                 |       | 440   |
| 20         |                          |       | 75              | 105   |                 |       |                 |       | 60              | 105   |                 |       | 440   |
| 21         | 90                       | 165   |                 |       |                 |       | 70              | 140   |                 |       |                 |       | 460   |
| 22         |                          |       | 90              | 165   |                 |       |                 |       | 70              | 140   |                 |       | 460   |

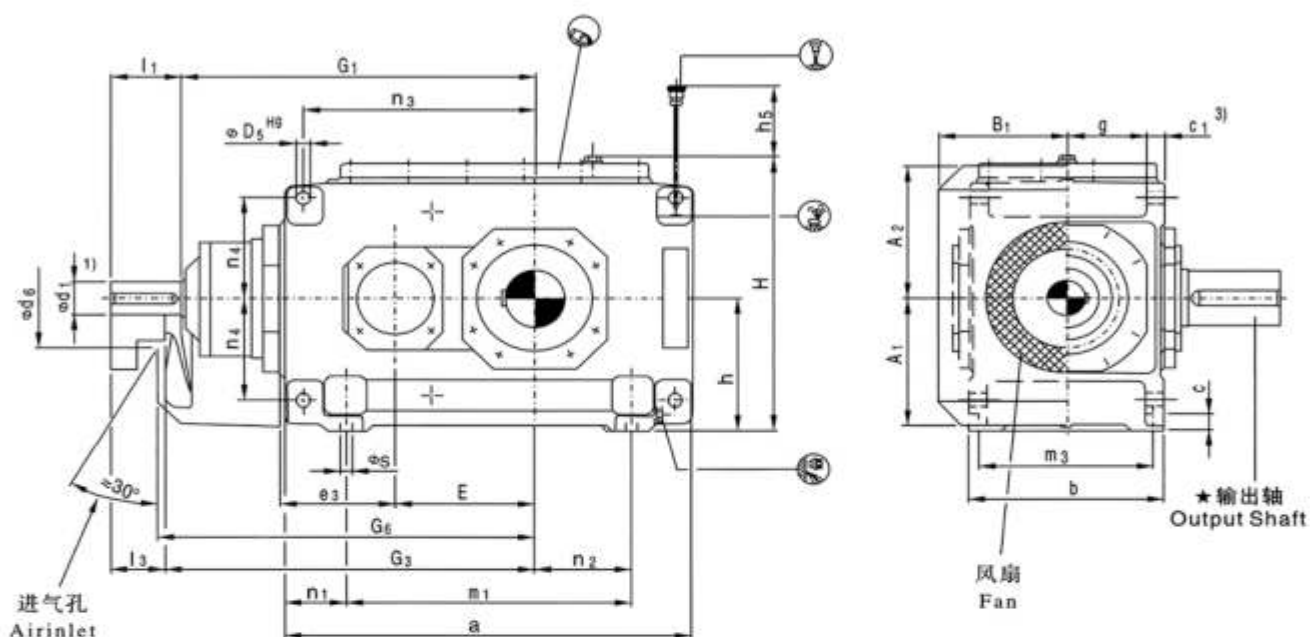
| 规格<br>Size | 尺寸 mm Dimension in mm |     |     |             |       |       |      |       |       |       |     |  |
|------------|-----------------------|-----|-----|-------------|-------|-------|------|-------|-------|-------|-----|--|
|            | 齿轮箱 Gear housing      |     |     |             |       |       |      |       |       |       |     |  |
|            | a                     | b   | c   | $c_1$       | $D_5$ | $e_2$ | E    | $E_1$ | $f_1$ | g     | h   |  |
| 13         | 1395                  | 550 | 60  | $61 \pm 2$  | 48    | 405   | 820  | 130   | 47    | 211.5 | 440 |  |
| 14         | 1535                  | 550 | 60  | $61 \pm 2$  | 48    | 475   | 890  | 130   | 47    | 211.5 | 440 |  |
| 15         | 1680                  | 625 | 70  | $72 \pm 2$  | 55    | 485   | 987  | 160   | 56    | 238   | 500 |  |
| 16         | 1770                  | 625 | 70  | $72 \pm 2$  | 55    | 530   | 1033 | 160   | 56    | 238   | 500 |  |
| 17         | 1770                  | 690 | 80  | $81 \pm 2$  | 55    | 525   | 1035 | 160   | 53    | 259   | 550 |  |
| 18         | 1890                  | 690 | 80  | $81 \pm 2$  | 55    | 585   | 1095 | 160   | 53    | 259   | 550 |  |
| 19         | 2030                  | 790 | 90  | $91 \pm 2$  | 65    | 590   | 1190 | 185   | 53    | 299   | 620 |  |
| 20         | 2150                  | 790 | 90  | $91 \pm 2$  | 65    | 650   | 1250 | 185   | 53    | 299   | 620 |  |
| 21         | 2340                  | 830 | 100 | $100 \pm 2$ | 75    | 655   | 1387 | 225   | 62    | 310   | 700 |  |
| 22         | 2450                  | 830 | 100 | $100 \pm 2$ | 75    | 710   | 1442 | 225   | 62    | 310   | 700 |  |

| 规格<br>Size | 尺寸 mm Dimension in mm |       |       |      |       |       |       |       |       |       |       |    |
|------------|-----------------------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|----|
|            | 齿轮箱 Gear housing      |       |       |      |       |       |       |       |       |       |       |    |
|            | $h_1$                 | $h_2$ | $h_4$ | H    | $m_1$ | $m_2$ | $m_3$ | $n_1$ | $n_2$ | $n_3$ | $n_4$ | s  |
| 13         | 450                   | 460   | 310   | 900  | 597.5 | 597.5 | 475   | 100   | 305   | 940   | 340   | 35 |
| 14         | 450                   | 460   | 310   | 900  | 597.5 | 737.5 | 475   | 100   | 375   | 1010  | 340   | 35 |
| 15         | 490                   | 500   | 340   | 1000 | 720   | 720   | 535   | 120   | 365   | 1135  | 375   | 42 |
| 16         | 490                   | 500   | 340   | 1000 | 720   | 810   | 535   | 120   | 410   | 1180  | 375   | 42 |
| 17         | 555                   | 560   | 390   | 1110 | 750   | 750   | 600   | 135   | 390   | 1175  | 425   | 42 |
| 18         | 555                   | 560   | 390   | 1110 | 750   | 870   | 600   | 135   | 450   | 1235  | 425   | 42 |
| 19         | 615                   | 620   | 435   | 1240 | 860   | 860   | 690   | 155   | 435   | 1365  | 475   | 48 |
| 20         | 615                   | 620   | 435   | 1240 | 860   | 980   | 690   | 155   | 495   | 1425  | 475   | 48 |
| 21         | 685                   | 690   | 475   | 1390 | 1000  | 1000  | 720   | 170   | 485   | 1615  | 520   | 56 |
| 22         | 685                   | 690   | 475   | 1390 | 1000  | 1110  | 720   | 170   | 540   | 1670  | 520   | 56 |

| 规格<br>Size | 尺寸 mm Dimension in mm        |                |                |                              |                |                |                |                |                | 润 滑 油<br>Lubrication |        | 重 量<br>Weighty |        |
|------------|------------------------------|----------------|----------------|------------------------------|----------------|----------------|----------------|----------------|----------------|----------------------|--------|----------------|--------|
|            | 输 出 轴 Output shaft           |                |                |                              |                |                |                |                |                |                      |        |                |        |
|            | YFH4SH                       |                |                | YFH4HH                       | YFH4HM         | YFH4DH YFH4DM  |                |                |                | YFH4.H               | YFH4.M | YFH4.H         | YFH4.M |
|            | d <sub>2</sub> <sup>1)</sup> | G <sub>2</sub> | l <sub>2</sub> | D <sub>2</sub> <sup>2)</sup> | G <sub>4</sub> | D <sub>3</sub> | D <sub>4</sub> | G <sub>4</sub> | G <sub>5</sub> | (l)                  | (l)    | (kg)           | (kg)   |
| 13         | 200                          | 335            | 350            | 190                          | 335            | 190            | 195            | 335            | 480            | 130                  | 120    | 2390           | 2270   |
| 14         | 210                          | 335            | 350            | 210                          | 335            | 210            | 215            | 335            | 480            | 140                  | 125    | 2730           | 2600   |
| 15         | 230                          | 380            | 410            | 230                          | 380            | 230            | 235            | 380            | 550            | 230                  | 170    | 3635           | 3440   |
| 16         | 240                          | 380            | 410            | 240                          | 380            | 240            | 245            | 380            | 550            | 235                  | 175    | 3965           | 3740   |
| 17         | 250                          | 415            | 410            | 250                          | 415            | 250            | 260            | 415            | 600            | 290                  | 225    | 4680           | 4445   |
| 18         | 270                          | 415            | 470            | 275                          | 415            | 280            | 285            | 415            | 600            | 305                  | 230    | 5185           | 4915   |
| 19         | 290                          | 465            | 470            | —                            | —              | 285            | 295            | 465            | 670            | 360                  | 310    | 5700           | 5300   |
| 20         | 300                          | 465            | 500            | —                            | —              | 310            | 315            | 465            | 670            | 380                  | 330    | 6400           | 5950   |
| 21         | 320                          | 490            | 500            | —                            | —              | 330            | 335            | 490            | 715            | 395                  | 430    | 7750           | 7250   |
| 22         | 340                          | 490            | 550            | —                            | —              | 340            | 345            | 490            | 725            | 420                  | 450    | 8350           | 7750   |

直交轴齿轮箱 Bevel-helical Gear Units  
二级传动 Two stage  
卧式安装 Horizontal  
类型 YFB2.H Type YFB2.H  
规格 1...12 sizes 1...12

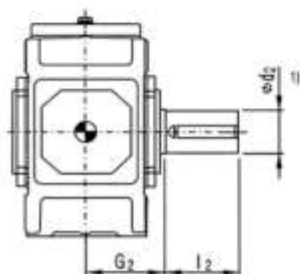
YFB2SH YFB2HH YFB2DH



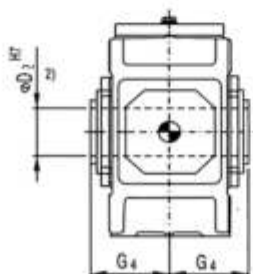
★输出轴 Output Shaft

布置形式 Design

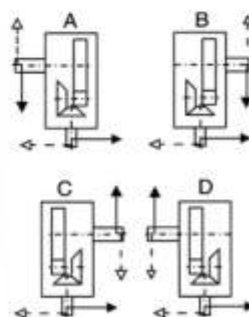
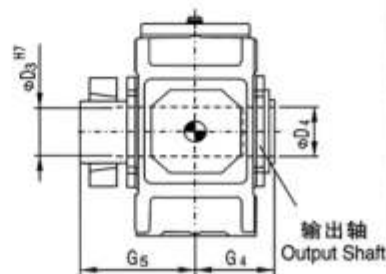
YFB2SH  
实心轴 Solid shaft



YFB2HH  
空心轴 Hollow shaft



YFB2DH  
带胀紧盘的空心轴  
Hollow shaft for shrink disk



1)  $k_6 \leq \phi 25$   $\phi 28 \geq m_6 \leq \phi 100$

有关平键中心孔, 参见第5页

2) 键槽 GB/T1095-1979

3) 扭力支撑位于工作机侧

$n_6 > \phi 100$

1)  $k_6 \leq \phi 25$   $\phi 28 \geq m_6 \leq \phi 100$   $n_6 > \phi 100$

For Parallel key and for centre hole, see page 5

2) Keyway GB/T1095-1979

3) Torque support on driven machine side

直交轴齿轮箱 Bevel-helical Gear Units

二级传动 Two stage

卧式安装 Horizontal

类型 YFB2.H Type YFB2.H

规格 1...12 sizes 1...12

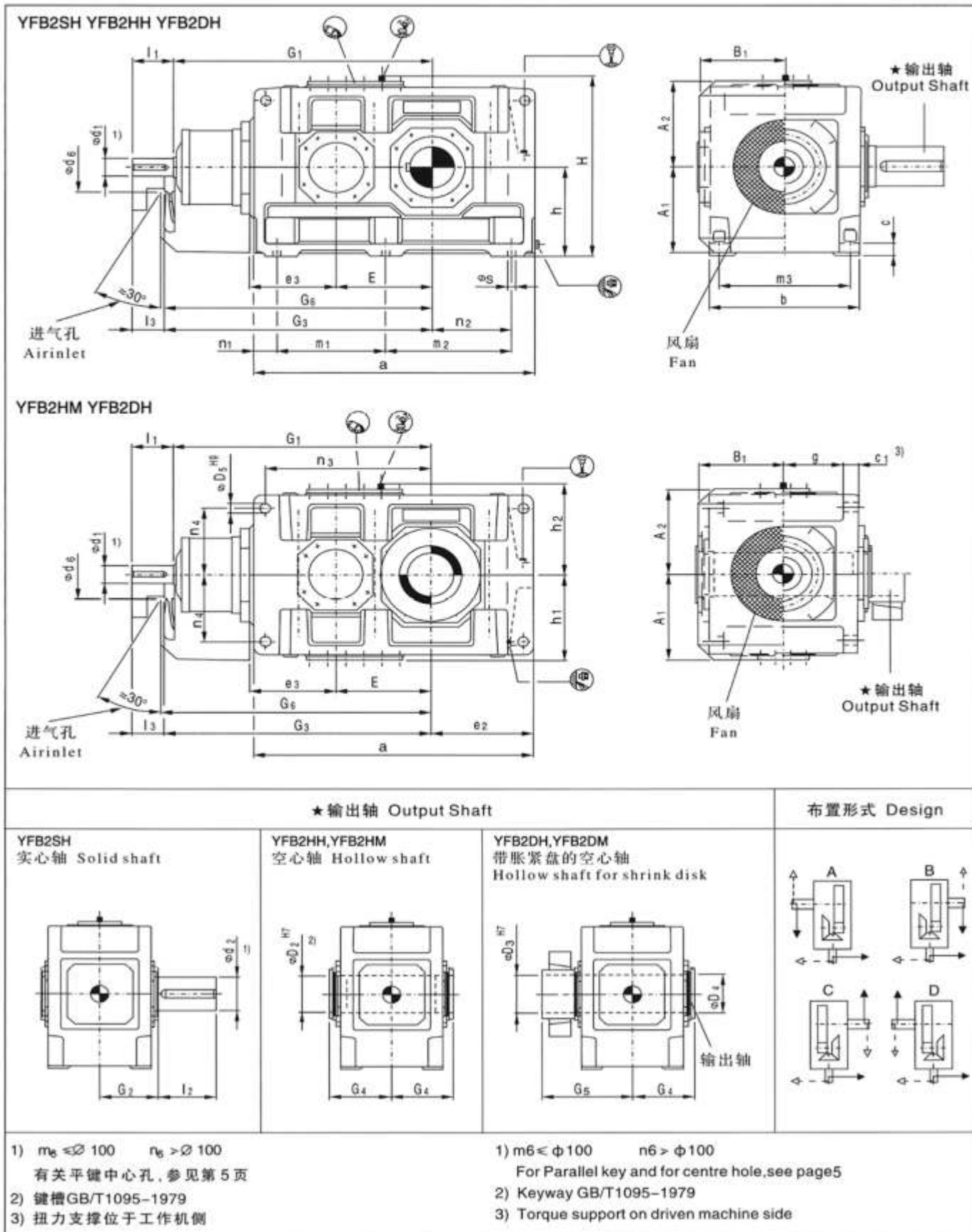
| 规格<br>Size | 尺寸 mm Dimension in mm |       |       |                |       |       |                 |       |       |       |       |
|------------|-----------------------|-------|-------|----------------|-------|-------|-----------------|-------|-------|-------|-------|
|            | 输入轴 Input shaft       |       |       |                |       |       |                 |       |       |       |       |
|            | $i_N = 5-11.2$        |       |       | $i_N = 6.3-14$ |       |       | $i_N = 12.5-18$ |       |       | $G_1$ | $G_2$ |
|            | $d_1^{1)}$            | $l_1$ | $l_3$ | $d_1^{1)}$     | $l_1$ | $l_3$ | $d_1^{1)}$      | $l_1$ | $l_3$ |       |       |
| 1          | 28                    | 55    | 40    |                |       |       | 20              | 50    | 35    | 300   | 315   |
| 2          | 30                    | 70    | 50    |                |       |       | 25              | 60    | 40    | 340   | 360   |
| 3          | 35                    | 80    | 60    |                |       |       | 28              | 60    | 40    | 390   | 410   |
| 4          | 45                    | 100   | 80    |                |       |       |                 |       |       | 465   | 485   |
| 5          | 55                    | 110   | 80    |                |       |       |                 |       |       | 535   | 565   |
| 6          |                       |       |       | 55             | 110   | 80    |                 |       |       | 570   | 600   |
| 7          | 70                    | 135   | 105   |                |       |       |                 |       |       | 640   | 670   |
| 8          |                       |       |       | 70             | 135   | 105   |                 |       |       | 685   | 715   |
| 9          | 80                    | 165   | 130   |                |       |       |                 |       |       | 755   | 790   |
| 10         |                       |       |       | 80             | 165   | 130   |                 |       |       | 805   | 840   |
| 11         | 90                    | 165   | 130   |                |       |       |                 |       |       | 925   | 960   |
| 12         |                       |       |       | 90             | 165   | 130   |                 |       |       | 995   | 1030  |

| 规格<br>Size | 尺寸 mm Dimension in mm |       |       |     |       |    |              |       |       |       |     |      |  |
|------------|-----------------------|-------|-------|-----|-------|----|--------------|-------|-------|-------|-----|------|--|
|            | 齿轮箱 Gear housing      |       |       |     |       |    |              |       |       |       |     |      |  |
|            | a                     | $A_1$ | $A_2$ | b   | $B_1$ | c  | $c_1$        | $D_5$ | $d_6$ | $e_3$ | E   | g    |  |
| 1          | 305                   | 125   | 130   | 180 | 128   | 18 | $16 \pm 1$   | 12    | 110   | 90    | 90  | 74   |  |
| 2          | 355                   | 140   | 145   | 205 | 143   | 18 | $20 \pm 1$   | 14    | 110   | 110   | 110 | 82.5 |  |
| 3          | 405                   | 170   | 170   | 225 | 163   | 22 | $24 \pm 1$   | 18    | 120   | 130   | 130 | 88.5 |  |
| 4          | 505                   | 195   | 200   | 270 | 188   | 28 | $30 \pm 1$   | 24    | 150   | 160   | 160 | 105  |  |
| 5          | 565                   | 220   | 235   | 320 | 215   | 28 | $30 \pm 1$   | 24    | 160   | 185   | 185 | 130  |  |
| 6          | 645                   | 220   | 235   | 320 | 215   | 28 | $30 \pm 1$   | 24    | 160   | 185   | 220 | 130  |  |
| 7          | 690                   | 270   | 285   | 380 | 250   | 35 | $36 \pm 1$   | 28    | 210   | 225   | 225 | 154  |  |
| 8          | 795                   | 270   | 285   | 380 | 250   | 35 | $36 \pm 1$   | 28    | 210   | 225   | 270 | 154  |  |
| 9          | 820                   | 310   | 325   | 440 | 270   | 40 | $48 \pm 1.5$ | 36    | 195   | 265   | 265 | 172  |  |
| 10         | 920                   | 310   | 325   | 440 | 270   | 40 | $48 \pm 1.5$ | 36    | 195   | 265   | 315 | 172  |  |
| 11         | 975                   | 370   | 385   | 530 | 328   | 50 | $54 \pm 1.5$ | 40    | 210   | 320   | 320 | 211  |  |
| 12         | 1130                  | 370   | 385   | 530 | 328   | 50 | $54 \pm 1.5$ | 40    | 210   | 320   | 390 | 211  |  |

| 规格<br>Size | 尺寸 mm Dimension in mm |     |       |     |       |       |       |       |       |       |    |  |
|------------|-----------------------|-----|-------|-----|-------|-------|-------|-------|-------|-------|----|--|
|            | 齿轮箱 Gear housing      |     |       |     |       |       |       |       |       |       |    |  |
|            | $G_6$                 | h   | $h_5$ | H   | $m_1$ | $m_3$ | $n_1$ | $n_2$ | $n_3$ | $n_4$ | s  |  |
| 1          | 325                   | 130 | 80    | 275 | 185   | 155   | 60    | 70    | 160   | 105   | 12 |  |
| 2          | 370                   | 145 | 80    | 305 | 225   | 180   | 65    | 75    | 195   | 115   | 12 |  |
| 3          | 420                   | 175 | 90    | 360 | 245   | 195   | 80    | 70    | 235   | 132.5 | 15 |  |
| 4          | 495                   | 200 | 80    | 415 | 295   | 235   | 105   | 85    | 285   | 150   | 19 |  |
| 5          | 575                   | 230 | 150   | 482 | 355   | 285   | 105   | 100   | 330   | 180   | 19 |  |
| 6          | 610                   | 230 | 150   | 482 | 435   | 285   | 105   | 145   | 365   | 180   | 19 |  |
| 7          | 685                   | 280 | 180   | 582 | 450   | 340   | 120   | 130   | 405   | 215   | 24 |  |
| 8          | 730                   | 280 | 190   | 582 | 555   | 340   | 120   | 190   | 450   | 215   | 24 |  |
| 9          | 805                   | 320 | 205   | 662 | 530   | 390   | 145   | 155   | 480   | 245   | 28 |  |
| 10         | 855                   | 320 | 215   | 662 | 630   | 390   | 145   | 205   | 530   | 245   | 28 |  |
| 11         | 980                   | 380 | 240   | 790 | 645   | 470   | 165   | 180   | 580   | 300   | 35 |  |
| 12         | 1050                  | 380 | 250   | 790 | 800   | 470   | 165   | 265   | 650   | 300   | 35 |  |

| 规格<br>Size | 尺寸 mm Dimension in mm        |                |                |                              |                |                |                |                |                | 润 滑 油                    |                                 | 重量<br>Weighty<br>(kg) |
|------------|------------------------------|----------------|----------------|------------------------------|----------------|----------------|----------------|----------------|----------------|--------------------------|---------------------------------|-----------------------|
|            | 输 出 轴 Output shaft           |                |                |                              |                |                |                |                |                | 轴 封<br>Shaft seal<br>(I) | 迷宮式密封<br>Labyrinth seal<br>(II) |                       |
|            | YFB2SH                       |                |                | YFB2HH                       |                | YFB2DH         |                |                |                |                          |                                 |                       |
|            | d <sub>2</sub> <sup>1)</sup> | G <sub>2</sub> | l <sub>2</sub> | D <sub>2</sub> <sup>2)</sup> | G <sub>4</sub> | D <sub>3</sub> | D <sub>4</sub> | G <sub>4</sub> | G <sub>5</sub> |                          |                                 |                       |
| 1          | 45                           | 120            | 80             |                              | —              | —              | —              | —              |                | 2                        | —                               | 65                    |
| 2          | 55                           | 135            | 110            | 55                           | 135            | 60             | 60             | 135            | 180            | 4                        | —                               | 90                    |
| 3          | 65                           | 145            | 140            | 65                           | 145            | 70             | 70             | 145            | 200            | 6                        | —                               | 140                   |
| 4          | 80                           | 170            | 170            | 80                           | 170            | 85             | 85             | 170            | 235            | 10                       | —                               | 235                   |
| 5          | 100                          | 200            | 210            | 95                           | 200            | 100            | 100            | 200            | 275            | 16                       | 14                              | 360                   |
| 6          | 110                          | 200            | 210            | 105                          | 200            | 110            | 110            | 200            | 275            | 19                       | 15                              | 410                   |
| 7          | 120                          | 235            | 210            | 115                          | 235            | 120            | 120            | 235            | 320            | 31                       | 28                              | 615                   |
| 8          | 130                          | 235            | 250            | 125                          | 235            | 130            | 130            | 235            | 325            | 34                       | 29                              | 700                   |
| 9          | 140                          | 270            | 250            | 135                          | 270            | 140            | 145            | 270            | 365            | 48                       | 38                              | 1000                  |
| 10         | 160                          | 270            | 300            | 150                          | 270            | 150            | 155            | 270            | 385            | 50                       | 40                              | 1155                  |
| 11         | 170                          | 320            | 300            | 165                          | 320            | 165            | 170            | 320            | 450            | 80                       | 65                              | 1640                  |
| 12         | 180                          | 320            | 300            | 180                          | 320            | 180            | 185            | 320            | 455            | 95                       | 71                              | 1910                  |

直交轴齿轮箱 Bevel-helical Gear Units  
 二级传动 Two stage  
 卧式安装 Horizontal  
 类型 YFB2.H,YFB2.M Type YFB2.H,YFB2.M  
 规格 13...18 sizes 13...18



直交轴齿轮箱 Bevel-helical Gear Units

二级传动 Two stage

卧式安装 Horizontal

类型 YFB2.H,YFB2.M Type YFB2.H,YFB2.M

规格 13...18 sizes 13...18

| 规格<br>Size | 尺寸 mm Dimension in mm |       |       |                  |       |       |                  |       |       |                |       |       |                  |       |       |       |       |
|------------|-----------------------|-------|-------|------------------|-------|-------|------------------|-------|-------|----------------|-------|-------|------------------|-------|-------|-------|-------|
|            | 输 入 轴 Input shaft     |       |       |                  |       |       |                  |       |       |                |       |       |                  |       |       |       |       |
|            | $i_N = 5-11.2$        |       |       | $i_N = 5.6-11.2$ |       |       | $i_N = 5.6-12.5$ |       |       | $i_N = 6.3-14$ |       |       | $i_N = 7.1-12.5$ |       |       | $G_1$ | $G_3$ |
|            | $d_1^{1)}$            | $l_1$ | $l_3$ | $d_1^{1)}$       | $l_1$ | $l_3$ | $d_1^{1)}$       | $l_1$ | $l_3$ | $d_1^{1)}$     | $l_1$ | $l_3$ | $d_1^{1)}$       | $l_1$ | $l_3$ |       |       |
| 13         | 110                   | 205   | 165   |                  |       |       |                  |       |       |                |       |       |                  |       |       | 1070  | 1110  |
| 14         |                       |       |       |                  |       |       |                  |       |       | 110            | 205   | 165   |                  |       |       | 1140  | 1180  |
| 15         | 130                   | 245   | 200   |                  |       |       |                  |       |       |                |       |       |                  |       |       | 1277  | 1322  |
| 16         |                       |       |       |                  |       |       | 130              | 245   | 200   |                |       |       |                  |       |       | 1323  | 1368  |
| 17         |                       |       |       | 150              | 245   | 200   |                  |       |       |                |       |       |                  |       |       | 1435  | 1480  |
| 18         |                       |       |       |                  |       |       |                  |       |       |                |       |       | 150              | 245   | 200   | 1495  | 1540  |

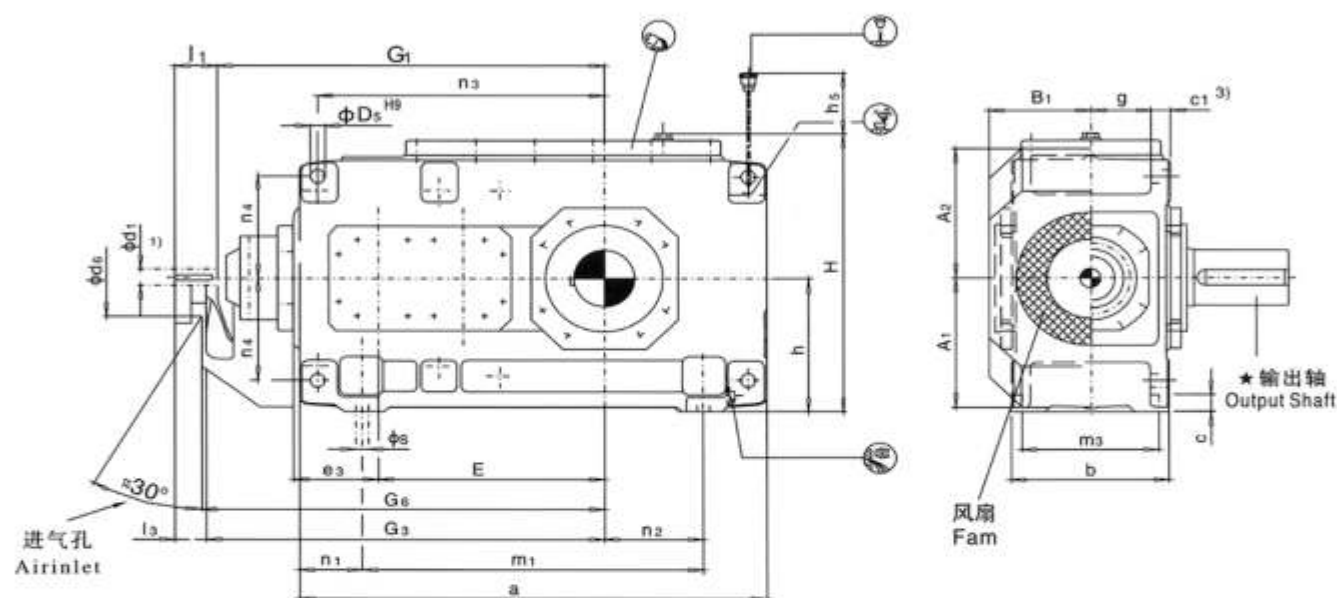
| 规格<br>Size | 尺寸 mm    Dimension in mm |                |                |     |                |    |                |                |                |                |                |     |     |
|------------|--------------------------|----------------|----------------|-----|----------------|----|----------------|----------------|----------------|----------------|----------------|-----|-----|
|            | 齿 轮 箱    Gear housing    |                |                |     |                |    |                |                |                |                |                |     |     |
|            | a                        | A <sub>1</sub> | A <sub>2</sub> | b   | B <sub>1</sub> | c  | c <sub>1</sub> | d <sub>6</sub> | D <sub>5</sub> | e <sub>2</sub> | e <sub>3</sub> | E   | g   |
| 13         | 1130                     | 430            | 450            | 655 | 375            | 60 | 61 ± 2         | 245            | 48             | 405            | 380            | 370 | 264 |
| 14         | 1270                     | 430            | 450            | 655 | 375            | 60 | 61 ± 2         | 245            | 48             | 475            | 380            | 440 | 264 |
| 15         | 1350                     | 490            | 495            | 765 | 435            | 70 | 72 ± 2         | 280            | 55             | 485            | 450            | 442 | 308 |
| 16         | 1440                     | 490            | 495            | 765 | 435            | 70 | 72 ± 2         | 280            | 55             | 530            | 450            | 488 | 308 |
| 17         | 1490                     | 540            | 555            | 885 | 505            | 80 | 81 ± 2         | 380            | 65             | 525            | 510            | 490 | 356 |
| 18         | 1610                     | 540            | 555            | 885 | 505            | 80 | 81 ± 2         | 380            | 65             | 585            | 510            | 550 | 356 |

| 规格<br>Size | 尺寸 mm Dimension in mm |     |                |                |      |                |                |                |                |                |                |                |    |
|------------|-----------------------|-----|----------------|----------------|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|
|            | 齿 轮 箱 Gear housing    |     |                |                |      |                |                |                |                |                |                |                |    |
|            | G <sub>0</sub>        | h   | h <sub>1</sub> | h <sub>2</sub> | H    | m <sub>1</sub> | m <sub>2</sub> | m <sub>3</sub> | n <sub>1</sub> | n <sub>2</sub> | n <sub>3</sub> | n <sub>4</sub> | s  |
| 13         | 1130                  | 440 | 450            | 460            | 900  | 465            | 465            | 580            | 100            | 305            | 675            | 340            | 35 |
| 14         | 1200                  | 440 | 450            | 460            | 900  | 465            | 605            | 580            | 100            | 375            | 745            | 340            | 35 |
| 15         | 1340                  | 500 | 490            | 500            | 1000 | 555            | 555            | 670            | 120            | 365            | 805            | 375            | 42 |
| 16         | 1385                  | 500 | 490            | 500            | 1000 | 555            | 645            | 670            | 120            | 410            | 850            | 375            | 42 |
| 17         | 1500                  | 550 | 555            | 560            | 1110 | 610            | 610            | 780            | 135            | 390            | 895            | 420            | 48 |
| 18         | 1560                  | 550 | 555            | 560            | 1110 | 610            | 730            | 780            | 135            | 450            | 955            | 420            | 48 |

| 规格<br>Size | 尺寸 mm Dimension in mm |       |       |               |       |       |               |       |       |     | 润滑油 Lubrication         |     |                                 | 重量<br>Weighty  |                |
|------------|-----------------------|-------|-------|---------------|-------|-------|---------------|-------|-------|-----|-------------------------|-----|---------------------------------|----------------|----------------|
|            | 输出轴 Output shaft      |       |       |               |       |       |               |       |       |     | YFB2.H                  |     | YFB2.M                          |                |                |
|            | YFB2SH                |       |       | YFB2HH YFB2HM |       |       | YFB2DH YFB2DM |       |       |     | 轴封<br>Shaft seal<br>(I) |     | 迷宫式密封<br>Labyrinth seal<br>(II) | YFB2.H<br>(kg) | YFB2.M<br>(kg) |
|            | $d_2^{1)}$            | $G_2$ | $l_2$ | $D_2^{2)}$    | $G_4$ | $D_3$ | $D_4$         | $G_4$ | $G_5$ |     |                         |     |                                 |                |                |
|            |                       |       |       |               |       |       |               |       |       |     |                         |     | (I)                             |                |                |
| 13         | 200                   | 390   | 350   | -             | -     | -     | -             | -     | -     | 140 |                         | 125 | 120                             | 2450           | 2350           |
| 14         | 210                   | 390   | 350   | 210           | 390   | 210   | 215           | 390   | 535   | 155 |                         | 140 | 130                             | 2825           | 2725           |
| 15         | 230                   | 460   | 410   | -             | -     | -     | -             | -     | -     | 220 |                         | 195 | 180                             | 3990           | 3795           |
| 16         | 240                   | 460   | 410   | 240           | 450   | 240   | 245           | 450   | 620   | 230 |                         | 205 | 190                             | 4345           | 4160           |
| 17         | 250                   | 540   | 410   | -             | -     | -     | -             | -     | -     | 320 |                         | 280 | 260                             | 5620           | 5320           |
| 18         | 270                   | 540   | 470   | 275           | 510   | 280   | 285           | 510   | 700   | 335 |                         | 300 | 275                             | 6150           | 5860           |

直交轴齿轮箱 Bevel-helical Gear Units  
 三级传动 Three stage  
 卧式安装 Horizontal  
 类型 YFB3.H Type YFB3.H  
 规格 3...12 sizes 3...12

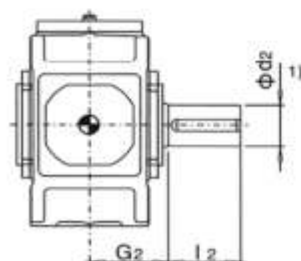
YFB3SH YFB3HH YFB3DH



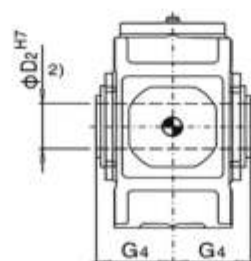
### ★输出轴 Output Shaft

### 布置形式 Design

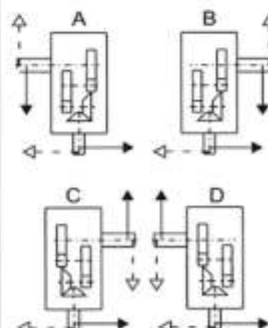
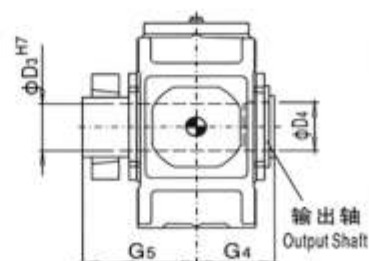
YFB3SH  
 实心轴 Solid shaft



YFB3HH  
 空心轴 Hollow shaft



YFB3DH  
 带胀紧盘的空心轴  
 Hollow shaft for shrink disk



- 1)  $k6 \leq \phi 25$   $\phi 28 \geq m6 \leq \phi 100$   $n6 > \phi 100$   
 有关平键中心孔, 参见第5页  
 2) 键槽 GB/T1095-1979  
 3) 扭力支撑位于工作机侧

- 1)  $k6 \leq \phi 25$   $\phi 28 \geq m6 \leq \phi 100$   $n6 > \phi 100$   
 For Parallel key and for centre hole, see page 5  
 2) Keyway GB/T1095-1979  
 3) Torque support on driven machine side

直交轴齿轮箱 Gevel-helical Gear Units

三级传动 Three stage

卧式安装 Horizontal

类型 YFB3.H Type YFB3.H

规格 3...12 sizes 3...12

| 规格<br>Size | 尺寸 mm Dimension in mm |       |       |               |       |       |               |       |       |               |       |       |               |       |       |
|------------|-----------------------|-------|-------|---------------|-------|-------|---------------|-------|-------|---------------|-------|-------|---------------|-------|-------|
|            | 输入轴 Input shaft       |       |       |               |       |       |               |       |       |               |       |       |               |       |       |
|            | $i_N = 12.5-45$       |       |       | $i_N = 16-56$ |       |       | $i_N = 20-45$ |       |       | $i_N = 50-71$ |       |       | $i_N = 63-90$ |       |       |
|            | $d_1^{1)}$            | $l_1$ | $l_3$ | $d_1^{1)}$    | $l_1$ | $l_3$ | $d_1^{1)}$    | $l_1$ | $l_3$ | $d_1^{1)}$    | $l_1$ | $l_3$ | $d_1^{1)}$    | $l_1$ | $l_3$ |
| 3          |                       |       |       |               |       |       | 28            | 55    | 40    | 20            | 50    | 35    |               |       |       |
| 4          | 30                    | 70    | 50    |               |       |       |               |       |       | 25            | 60    | 40    |               |       |       |
| 5          | 35                    | 80    | 60    |               |       |       |               |       |       | 28            | 60    | 40    |               |       |       |
| 6          |                       |       |       | 35            | 80    | 60    |               |       |       |               |       |       | 28            | 60    | 40    |
| 7          | 45                    | 100   | 80    |               |       |       |               |       |       | 35            | 80    | 60    |               |       |       |
| 8          |                       |       |       | 45            | 100   | 80    |               |       |       |               |       |       | 35            | 80    | 60    |
| 9          | 55                    | 110   | 80    |               |       |       |               |       |       | 40            | 100   | 70    |               |       |       |
| 10         |                       |       |       | 55            | 110   | 80    |               |       |       |               |       |       | 40            | 100   | 70    |
| 11         | 70                    | 135   | 105   |               |       |       |               |       |       | 50            | 110   | 80    |               |       |       |
| 12         |                       |       |       | 70            | 135   | 105   |               |       |       |               |       |       | 50            | 110   | 80    |

| 规格<br>Size | 尺寸 mm Dimension in mm |                |                |     |                |    |                |                |                |                |     |      |
|------------|-----------------------|----------------|----------------|-----|----------------|----|----------------|----------------|----------------|----------------|-----|------|
|            | 齿轮箱 Gear housing      |                |                |     |                |    |                |                |                |                |     |      |
|            | a                     | A <sub>1</sub> | A <sub>2</sub> | b   | B <sub>1</sub> | c  | c <sub>1</sub> | d <sub>6</sub> | D <sub>5</sub> | e <sub>3</sub> | E   | g    |
| 3          | 450                   | 170            | 170            | 190 | 128            | 22 | 24 ± 1         | 90             | 18             | 90             | 220 | 71   |
| 4          | 565                   | 195            | 200            | 215 | 143            | 28 | 30 ± 1         | 110            | 24             | 110            | 270 | 77.5 |
| 5          | 640                   | 220            | 235            | 255 | 168            | 28 | 30 ± 1         | 130            | 24             | 130            | 315 | 97.5 |
| 6          | 720                   | 220            | 235            | 255 | 168            | 28 | 30 ± 1         | 130            | 24             | 130            | 350 | 97.5 |
| 7          | 785                   | 275            | 275            | 300 | 193            | 35 | 36 ± 1         | 165            | 28             | 160            | 385 | 114  |
| 8          | 890                   | 275            | 275            | 300 | 193            | 35 | 36 ± 1         | 165            | 28             | 160            | 430 | 114  |
| 9          | 925                   | 315            | 325            | 370 | 231            | 40 | 45 ± 1.5       | 175            | 36             | 185            | 450 | 140  |
| 10         | 1025                  | 315            | 325            | 370 | 231            | 40 | 45 ± 1.5       | 175            | 36             | 185            | 500 | 140  |
| 11         | 1105                  | 370            | 385            | 430 | 263            | 50 | 54 ± 1.5       | 190            | 40             | 225            | 545 | 161  |
| 12         | 1260                  | 370            | 385            | 430 | 263            | 50 | 54 ± 1.5       | 190            | 40             | 225            | 615 | 161  |

| 规格<br>Size | 尺寸 mm Dimension in mm |     |                |     |                |                |                |                |                |                |    |
|------------|-----------------------|-----|----------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|----|
|            | 齿轮箱 Gear housing      |     |                |     |                |                |                |                |                |                |    |
|            | G <sub>6</sub>        | h   | h <sub>5</sub> | H   | m <sub>1</sub> | m <sub>3</sub> | n <sub>1</sub> | n <sub>2</sub> | n <sub>3</sub> | n <sub>4</sub> | s  |
| 3          | 455                   | 175 | 100            | 360 | 290            | 160            | 80             | 65             | 285            | 132.5          | 15 |
| 4          | 530                   | 200 | 100            | 415 | 355            | 180            | 105            | 85             | 345            | 150            | 19 |
| 5          | 605                   | 230 | 130            | 482 | 430            | 220            | 105            | 100            | 405            | 180            | 19 |
| 6          | 640                   | 230 | 130            | 482 | 510            | 220            | 105            | 145            | 440            | 180            | 19 |
| 7          | 720                   | 280 | 170            | 572 | 545            | 260            | 120            | 130            | 500            | 215            | 24 |
| 8          | 765                   | 280 | 160            | 582 | 650            | 260            | 120            | 190            | 545            | 215            | 24 |
| 9          | 845                   | 320 | 175            | 662 | 635            | 320            | 145            | 155            | 585            | 245            | 28 |
| 10         | 895                   | 320 | 175            | 662 | 735            | 320            | 145            | 205            | 635            | 245            | 28 |
| 11         | 1010                  | 380 | 220            | 782 | 775            | 370            | 165            | 180            | 710            | 300            | 35 |
| 12         | 1080                  | 380 | 210            | 790 | 930            | 370            | 165            | 265            | 780            | 300            | 35 |

| 规格<br>Size | 尺寸 mm    Dimension in mm     |                |                |                              |                |                |                |                |                | 润滑油<br>Lubrication<br>(l) | 重量<br>Weighty<br>(kg) |
|------------|------------------------------|----------------|----------------|------------------------------|----------------|----------------|----------------|----------------|----------------|---------------------------|-----------------------|
|            | 输 出 轴    Output shaft        |                |                |                              |                |                |                |                |                |                           |                       |
|            | YFB3SH                       |                |                | YFB3HH                       |                | YFB3DH         |                |                |                |                           |                       |
|            | d <sub>2</sub> <sup>1)</sup> | G <sub>2</sub> | l <sub>2</sub> | D <sub>2</sub> <sup>2)</sup> | G <sub>4</sub> | D <sub>3</sub> | D <sub>4</sub> | G <sub>4</sub> | G <sub>5</sub> |                           |                       |
| 3          | 65                           | 125            | 140            | 65                           | 125            | 70             | 70             | 125            | 180            | 6                         | 130                   |
| 4          | 80                           | 140            | 170            | 80                           | 140            | 85             | 85             | 140            | 205            | 9                         | 210                   |
| 5          | 100                          | 165            | 210            | 95                           | 165            | 100            | 100            | 165            | 240            | 14                        | 325                   |
| 6          | 110                          | 165            | 210            | 105                          | 165            | 110            | 110            | 165            | 240            | 15                        | 380                   |
| 7          | 120                          | 195            | 210            | 115                          | 195            | 120            | 120            | 195            | 280            | 25                        | 550                   |
| 8          | 130                          | 195            | 250            | 125                          | 195            | 130            | 130            | 195            | 285            | 28                        | 635                   |
| 9          | 140                          | 235            | 250            | 135                          | 235            | 140            | 145            | 235            | 330            | 40                        | 890                   |
| 10         | 160                          | 235            | 300            | 150                          | 235            | 150            | 155            | 235            | 350            | 42                        | 1020                  |
| 11         | 170                          | 270            | 300            | 165                          | 270            | 165            | 170            | 270            | 400            | 66                        | 1455                  |
| 12         | 180                          | 270            | 300            | 180                          | 270            | 180            | 185            | 270            | 405            | 72                        | 1730                  |

## 直交轴齿轮箱 Gevel-helical Gear Units

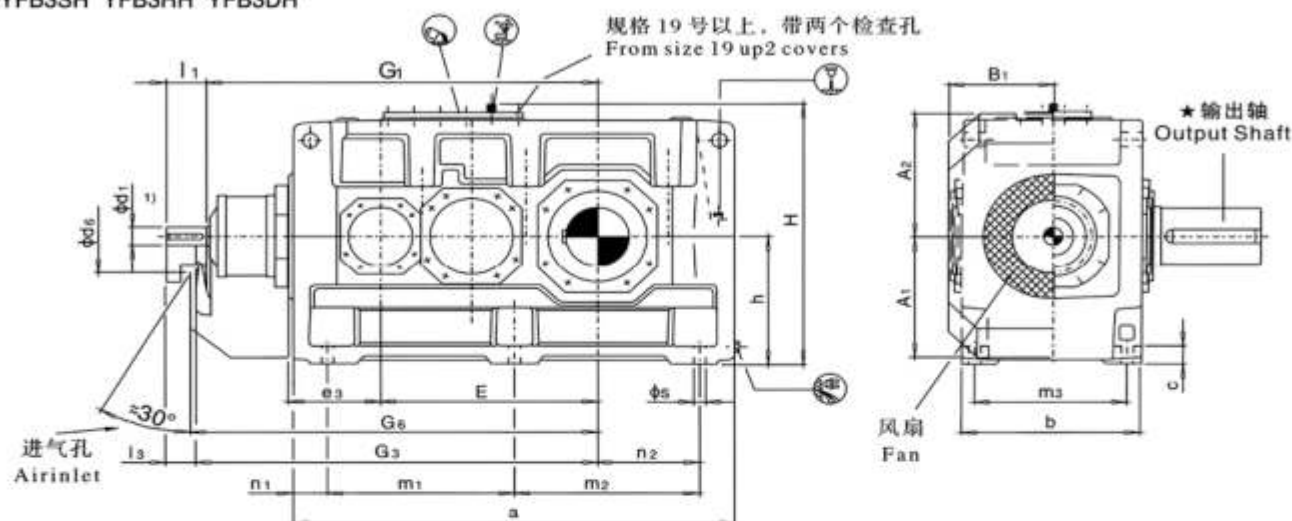
三級傳動 Three stage

卧式安装 Horizontal

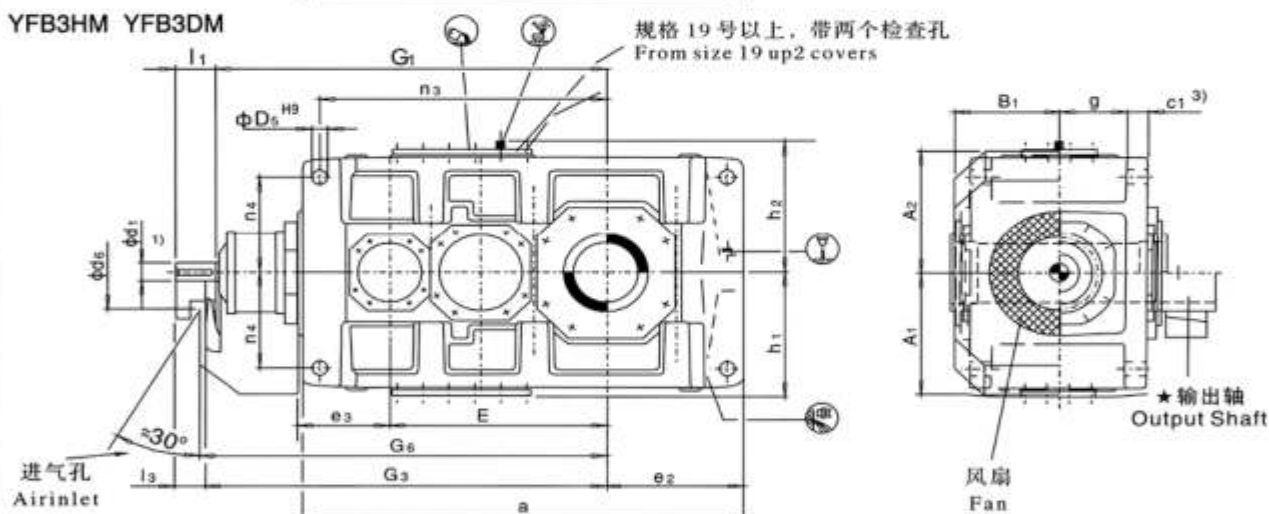
类型 YFB3.H Type YFB3.H

规格 13...22 sizes 13...22

YFB3SH YFB3HH YFB3DH



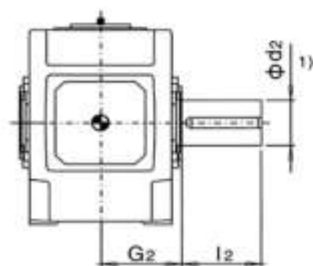
YFB3HM YFB3DM



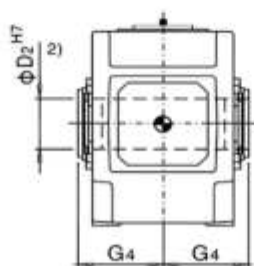
★输出轴 Output Shaft

布置形式 Design

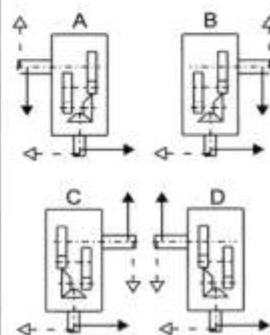
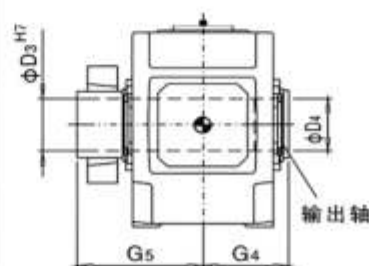
YFB3SH  
实心轴 Solid shaft



YFB3HH YFB3HM  
空心轴 Hollow shaft



YFB3DH YFB3DM  
帶脹緊盤的空心軸  
Hollow shaft for shrink disk



1)  $k_6 \leq \phi 25$        $\phi 28 \geq m_6 \leq \phi 100$

有关平键型和中心孔，参见第5页

2) 键槽 GB/T1095-1979

### 3) 扭力支撐位于工作機側

 $n6 > \phi 100$ 

1)  $k_6 \leq \Phi 25$        $\Phi 28 \geq m_6 \leq \Phi 100$        $n_6 > \Phi 100$

For Parallel key and for centre hole, see page 5

2) Keyway GB/T1095-1979

### 3) Torque support on driven machine side

直交轴齿轮箱 Bevel-helical Gear Units

三级传动 Three stage

卧式安装 Horizontal

类型 YFB3.H Type YFB3.H

规格 13...22 sizes 13...22

| 规格<br>Size | 尺寸 mm    Dimension in mm           |       |       |             |       |       |             |       |       |             |       |       |             |       |       |             |       |       |       |       |
|------------|------------------------------------|-------|-------|-------------|-------|-------|-------------|-------|-------|-------------|-------|-------|-------------|-------|-------|-------------|-------|-------|-------|-------|
|            | 输入轴                    Input shaft |       |       |             |       |       |             |       |       |             |       |       |             |       |       |             |       |       |       |       |
|            | $l_N=12.5-45$                      |       |       | $l_N=14-50$ |       |       | $l_N=16-56$ |       |       | $l_N=50-71$ |       |       | $l_N=56-80$ |       |       | $l_N=63-90$ |       |       | $G_1$ | $G_3$ |
|            | $d_1^{1)}$                         | $l_1$ | $l_3$ | $d_1^{1)}$  | $l_1$ | $l_3$ | $d_1^{1)}$  | $l_1$ | $l_3$ | $d_1^{1)}$  | $l_1$ | $l_3$ | $d_1^{1)}$  | $l_1$ | $l_3$ | $d_1^{1)}$  | $l_1$ | $l_3$ |       |       |
| 13         | 80                                 | 165   | 130   |             |       |       |             |       |       | 60          | 140   | 105   |             |       |       |             |       |       | 1125  | 1160  |
| 14         |                                    |       |       |             |       |       | 80          | 165   | 130   |             |       |       |             |       |       | 60          | 140   | 105   | 1195  | 1230  |
| 15         | 90                                 | 165   | 130   |             |       |       |             |       |       | 70          | 140   | 105   |             |       |       |             |       |       | 1367  | 1402  |
| 16         |                                    |       |       | 90          | 165   | 130   |             |       |       |             |       |       | 70          | 140   | 105   |             |       |       | 1413  | 1448  |
| 17         | 110                                | 205   | 165   |             |       |       |             |       |       | 80          | 170   | 130   |             |       |       |             |       |       | 1560  | 1600  |
| 18         |                                    |       |       | 110         | 205   | 165   |             |       |       |             |       |       | 80          | 170   | 130   |             |       |       | 1620  | 1660  |
| 19         | 130                                | 245   | 200   |             |       |       |             |       |       | 100         | 210   | 165   |             |       |       |             |       |       | 1832  | 1877  |
| 20         |                                    |       |       | 130         | 245   | 200   |             |       |       |             |       |       | 100         | 210   | 165   |             |       |       | 1892  | 1937  |
| 21         | 130                                | 245   | 200   |             |       |       |             |       |       | 100         | 210   | 165   |             |       |       |             |       |       | 1902  | 1947  |
| 22         |                                    |       |       | 130         | 245   | 200   |             |       |       |             |       |       | 100         | 210   | 165   |             |       |       | 1957  | 2002  |

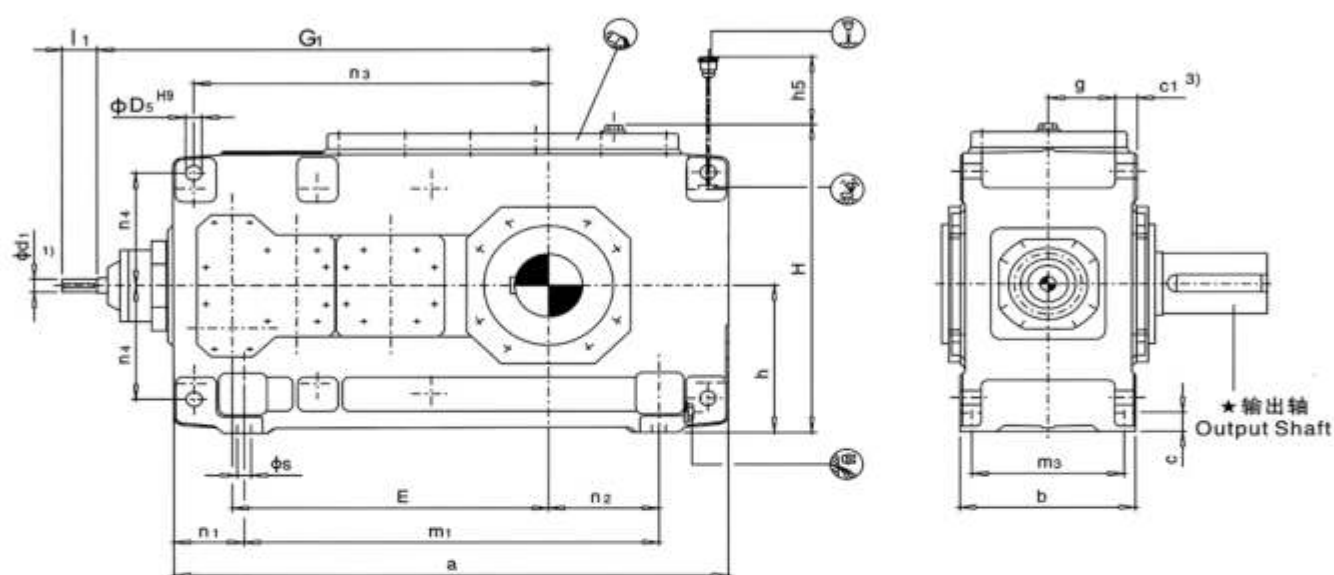
| 规格<br>Size | 尺寸 mm    Dimension in mm |                |                |     |                |     |                |                |                |                |                |      |       |
|------------|--------------------------|----------------|----------------|-----|----------------|-----|----------------|----------------|----------------|----------------|----------------|------|-------|
|            | 齿轮箱    Gear housing      |                |                |     |                |     |                |                |                |                |                |      |       |
|            | a                        | A <sub>1</sub> | A <sub>2</sub> | b   | B <sub>1</sub> | c   | c <sub>1</sub> | d <sub>6</sub> | D <sub>5</sub> | e <sub>2</sub> | e <sub>3</sub> | E    | g     |
| 13         | 1290                     | 425            | 475            | 550 | 325            | 60  | 61 ± 2         | 210            | 48             | 405            | 265            | 635  | 211.5 |
| 14         | 1430                     | 425            | 475            | 550 | 325            | 60  | 61 ± 2         | 210            | 48             | 475            | 265            | 705  | 211.5 |
| 15         | 1550                     | 485            | 520            | 625 | 365            | 70  | 72 ± 2         | 210            | 55             | 485            | 320            | 762  | 238   |
| 16         | 1640                     | 485            | 520            | 625 | 365            | 70  | 72 ± 2         | 210            | 55             | 530            | 320            | 808  | 238   |
| 17         | 1740                     | 535            | 570            | 690 | 395            | 80  | 81 ± 2         | 230            | 55             | 525            | 370            | 860  | 259   |
| 18         | 1860                     | 535            | 570            | 690 | 395            | 80  | 81 ± 2         | 230            | 55             | 585            | 370            | 920  | 259   |
| 19         | 2010                     | 610            | 630            | 790 | 448            | 90  | 91 ± 2         | 245            | 65             | 590            | 420            | 997  | 299   |
| 20         | 2130                     | 610            | 630            | 790 | 448            | 90  | 91 ± 2         | 245            | 65             | 650            | 420            | 1057 | 299   |
| 21         | 2140                     | 690            | 690            | 830 | 473            | 100 | 100 ± 2        | 280            | 75             | 655            | 450            | 1067 | 310   |
| 22         | 2250                     | 690            | 690            | 830 | 473            | 100 | 100 ± 2        | 280            | 75             | 710            | 450            | 1122 | 310   |

| 规格<br>Size | 尺寸 mm    Dimension in mm              |     |                |                |      |                |                |                |                |                |                |                |    |
|------------|---------------------------------------|-----|----------------|----------------|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|
|            | 齿轮箱                      Gear housing |     |                |                |      |                |                |                |                |                |                |                |    |
|            | G <sub>6</sub>                        | h   | h <sub>1</sub> | h <sub>2</sub> | H    | m <sub>1</sub> | m <sub>2</sub> | m <sub>3</sub> | n <sub>1</sub> | n <sub>2</sub> | n <sub>3</sub> | n <sub>4</sub> | s  |
| 13         | 1180                                  | 440 | 450            | 460            | 900  | 545            | 545            | 475            | 100            | 305            | 835            | 340            | 35 |
| 14         | 1250                                  | 440 | 450            | 460            | 900  | 545            | 685            | 475            | 100            | 375            | 905            | 340            | 35 |
| 15         | 1420                                  | 500 | 490            | 500            | 1000 | 655            | 655            | 535            | 120            | 365            | 1005           | 375            | 42 |
| 16         | 1470                                  | 500 | 490            | 500            | 1000 | 655            | 745            | 535            | 120            | 410            | 1050           | 375            | 42 |
| 17         | 1620                                  | 550 | 555            | 560            | 1110 | 735            | 735            | 600            | 135            | 390            | 1145           | 425            | 42 |
| 18         | 1680                                  | 550 | 555            | 560            | 1110 | 735            | 855            | 600            | 135            | 450            | 1205           | 425            | 42 |
| 19         | 1900                                  | 620 | 615            | 620            | 1240 | 850            | 850            | 690            | 155            | 435            | 1345           | 475            | 48 |
| 20         | 1960                                  | 620 | 615            | 620            | 1240 | 850            | 970            | 690            | 155            | 495            | 1405           | 475            | 48 |
| 21         | 1970                                  | 700 | 685            | 690            | 1390 | 900            | 900            | 720            | 170            | 485            | 1400           | 520            | 56 |
| 22         | 2025                                  | 700 | 685            | 690            | 1390 | 900            | 1010           | 720            | 170            | 540            | 1455           | 520            | 56 |

| 规格<br>Size | 尺寸 mm    Dimension in mm |       |       |                 |       |                 |       |       |       | 润滑油<br>Lubrication |        | 重量<br>Weighy |        |
|------------|--------------------------|-------|-------|-----------------|-------|-----------------|-------|-------|-------|--------------------|--------|--------------|--------|
|            | 输出轴    Output shaft      |       |       |                 |       |                 |       |       |       |                    |        |              |        |
|            | YFB3SH                   |       |       | YFB3HH   YFB3HM |       | YFB3DH   YFB3DM |       |       |       | YFB3.H             | YFB3.M | YFB3.H       | YFB3.M |
|            | $d_2^{1)}$               | $G_2$ | $l_2$ | $D_2^{2)}$      | $G_4$ | $D_3$           | $D_4$ | $G_4$ | $G_5$ | (I)                | (II)   | (kg)         | (kg)   |
| 13         | 200                      | 335   | 350   | 190             | 335   | 190             | 195   | 335   | 480   | 130                | 110    | 2380         | 2260   |
| 14         | 210                      | 335   | 350   | 210             | 335   | 210             | 215   | 335   | 480   | 140                | 115    | 2750         | 2615   |
| 15         | 230                      | 380   | 410   | 230             | 380   | 230             | 235   | 380   | 550   | 210                | 160    | 3730         | 3540   |
| 16         | 240                      | 380   | 410   | 240             | 380   | 240             | 245   | 380   | 550   | 220                | 165    | 3955         | 3765   |
| 17         | 250                      | 415   | 410   | 250             | 415   | 250             | 260   | 415   | 600   | 290                | 230    | 4990         | 4760   |
| 18         | 270                      | 415   | 470   | 275             | 415   | 280             | 285   | 415   | 600   | 300                | 235    | 5495         | 5240   |
| 19         | 290                      | 465   | 470   | —               | —     | 285             | 295   | 465   | 670   | 380                | 360    | 6240         | 6050   |
| 20         | 300                      | 465   | 500   | —               | —     | 310             | 315   | 465   | 670   | 440                | 420    | 6950         | 6710   |
| 21         | 320                      | 490   | 500   | —               | —     | 330             | 335   | 490   | 715   | 370                | 420    | 8480         | 8190   |
| 22         | 340                      | 490   | 550   | —               | —     | 340             | 345   | 490   | 725   | 430                | 490    | 9240         | 8950   |

直交轴齿轮箱 Bevel-helical Gear Units  
四级传动 Four stage  
卧式安装 Horizontal  
类型 YFB4.H Type YFB4.H  
规格 5...12 sizes 5...12

YFB4SH YFB4HH YFB4DH



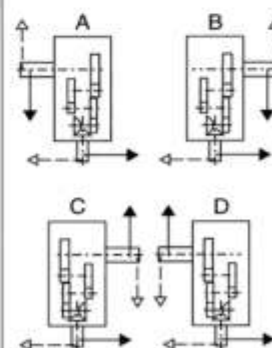
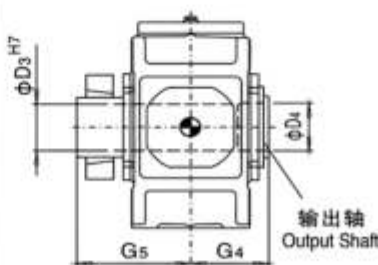
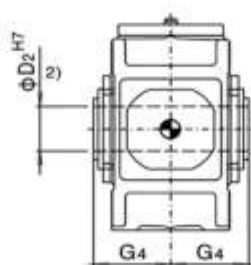
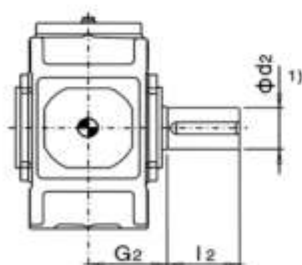
## ★ 输出轴 Output Shaft

## 布置形式 Design

YFB4SH  
实心轴 Solid shaft

YFB4HH  
空心轴 Hollow shaft

YFB4DH  
带胀紧盘的空心轴  
Hollow shaft for shrink disk



- 1)  $k6 \leq \phi 25$   $\phi 28 \geq m6 \leq \phi 100$   
有关平键型和中心孔, 参见第5页
- 2) 键槽 GB/T1095-1979
- 3) 扭力支撑位于工作机侧

$n6 > \phi 100$

- 1)  $k6 \leq \phi 25$   $\phi 28 \geq m6 \leq \phi 100$   $n6 > \phi 100$   
For Parallel key and for centre hole, see page 5
- 2) Keyway GB/T1095-1979
- 3) Torque support on driven machine side

直交轴齿轮箱 Bevel-helical Gear Units

四级传动 Four stage

卧式安装 Horizontal

类型 YFB4.H Type YFB4.H

规格 5...12 sizes 5...12

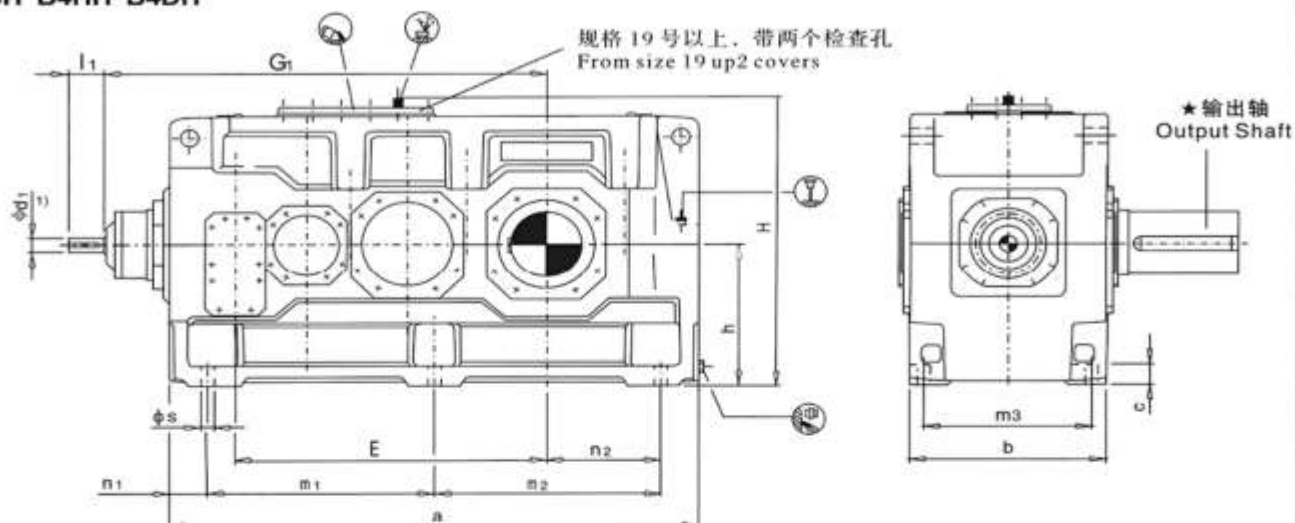
| 规格<br>Size | 尺寸 mm Dimension in mm |       |                 |       |                 |       |                 |       |
|------------|-----------------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|
|            | 输入轴 Input shaft       |       |                 |       |                 |       |                 |       |
|            | $i_N = 80-180$        |       | $i_N = 100-224$ |       | $i_N = 200-315$ |       | $i_N = 250-400$ |       |
|            | $d_1^{1)}$            | $l_1$ | $d_1^{1)}$      | $l_1$ | $d_1^{1)}$      | $l_1$ | $d_1^{1)}$      | $l_1$ |
| 5          | 28                    | 55    |                 |       | 20              | 50    |                 | 615   |
| 6          |                       |       | 28              | 55    |                 |       | 20              | 50    |
| 7          | 30                    | 70    |                 |       | 25              | 60    |                 | 725   |
| 8          |                       |       | 30              | 70    |                 |       | 25              | 60    |
| 9          | 35                    | 80    |                 |       | 28              | 60    |                 | 840   |
| 10         |                       |       | 35              | 80    |                 |       | 28              | 60    |
| 11         | 45                    | 100   |                 |       | 35              | 80    |                 | 1010  |
| 12         |                       |       | 45              | 100   |                 |       | 35              | 80    |

| 规格<br>Size | 尺寸 mm Dimension in mm |     |    |              |       |     |      |     |       |     |       |       |       |       |       |       |    |
|------------|-----------------------|-----|----|--------------|-------|-----|------|-----|-------|-----|-------|-------|-------|-------|-------|-------|----|
|            | 齿轮箱 Gear housing      |     |    |              |       |     |      |     |       |     |       |       |       |       |       |       |    |
|            | a                     | b   | c  | $c_1$        | $D_5$ | E   | g    | h   | $h_s$ | H   | $m_1$ | $m_3$ | $n_1$ | $n_2$ | $n_3$ | $n_4$ | s  |
| 5          | 690                   | 255 | 28 | $30 \pm 1$   | 24    | 405 | 97.5 | 230 | 100   | 482 | 480   | 220   | 105   | 100   | 455   | 180   | 19 |
| 6          | 770                   | 255 | 28 | $30 \pm 1$   | 24    | 440 | 97.5 | 230 | 100   | 482 | 560   | 220   | 105   | 145   | 490   | 180   | 19 |
| 7          | 845                   | 300 | 35 | $36 \pm 1$   | 28    | 495 | 114  | 280 | 140   | 572 | 605   | 260   | 120   | 130   | 560   | 215   | 24 |
| 8          | 950                   | 300 | 35 | $36 \pm 1$   | 28    | 540 | 114  | 280 | 130   | 582 | 710   | 260   | 120   | 190   | 605   | 215   | 24 |
| 9          | 1000                  | 370 | 40 | $45 \pm 1.5$ | 36    | 580 | 140  | 320 | 135   | 662 | 710   | 320   | 145   | 155   | 660   | 245   | 28 |
| 10         | 1100                  | 370 | 40 | $45 \pm 1.5$ | 36    | 630 | 140  | 320 | 135   | 662 | 810   | 320   | 145   | 205   | 710   | 245   | 28 |
| 11         | 1200                  | 430 | 50 | $54 \pm 1.5$ | 40    | 705 | 161  | 380 | 170   | 782 | 870   | 370   | 165   | 180   | 805   | 300   | 35 |
| 12         | 1355                  | 430 | 50 | $54 \pm 1.5$ | 40    | 775 | 161  | 380 | 160   | 790 | 1025  | 370   | 165   | 265   | 875   | 300   | 35 |

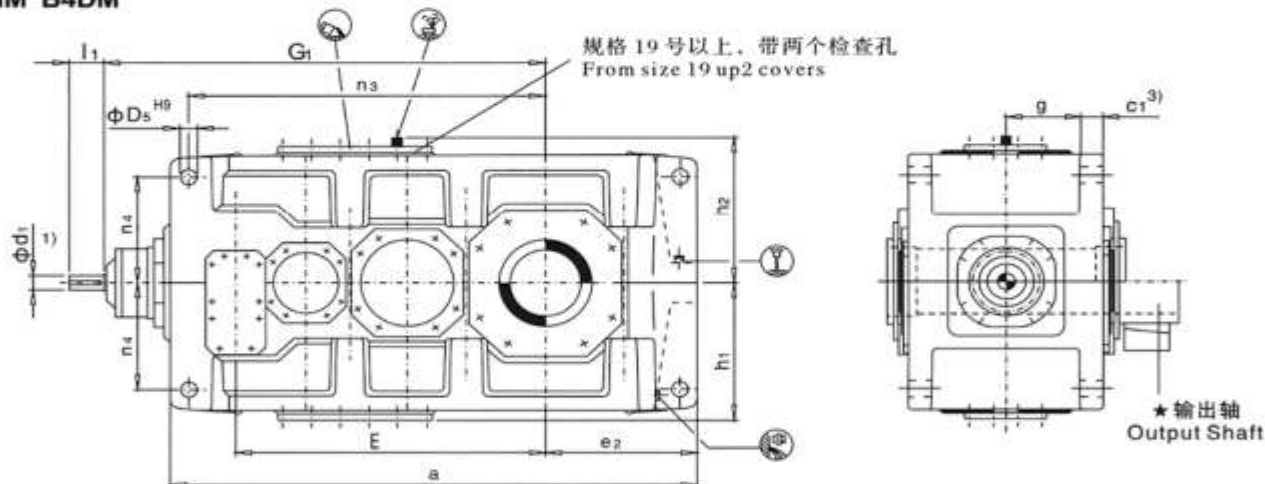
| 规格<br>Size | 尺寸 mm Dimension sin mm       |                |                |                              |                |                |                |                |                | 润滑油<br>Lubrication<br>(l) | 重量<br>Weighy<br>(kg) |
|------------|------------------------------|----------------|----------------|------------------------------|----------------|----------------|----------------|----------------|----------------|---------------------------|----------------------|
|            | 输 出 轴 Output shaft           |                |                |                              |                |                |                |                |                |                           |                      |
|            | YFB4SH                       |                |                | YFB4HH                       |                | YFB4DH         |                |                |                |                           |                      |
|            | d <sub>2</sub> <sup>1)</sup> | G <sub>2</sub> | l <sub>2</sub> | D <sub>2</sub> <sup>2)</sup> | G <sub>4</sub> | D <sub>3</sub> | D <sub>4</sub> | G <sub>4</sub> | G <sub>5</sub> |                           |                      |
| 5          | 100                          | 165            | 210            | 95                           | 165            | 100            | 100            | 165            | 240            | 16                        | 335                  |
| 6          | 110                          | 165            | 210            | 105                          | 165            | 110            | 110            | 165            | 240            | 18                        | 385                  |
| 7          | 120                          | 195            | 210            | 115                          | 195            | 120            | 120            | 195            | 280            | 30                        | 555                  |
| 8          | 130                          | 195            | 250            | 125                          | 195            | 130            | 130            | 195            | 285            | 33                        | 655                  |
| 9          | 140                          | 235            | 250            | 135                          | 235            | 140            | 145            | 235            | 330            | 48                        | 890                  |
| 10         | 160                          | 235            | 300            | 150                          | 235            | 150            | 155            | 235            | 350            | 50                        | 1025                 |
| 11         | 170                          | 270            | 300            | 165                          | 270            | 165            | 170            | 270            | 400            | 80                        | 1485                 |
| 12         | 180                          | 270            | 300            | 180                          | 270            | 180            | 185            | 270            | 405            | 90                        | 1750                 |

直交轴齿轮箱 Bevel-helical Gear Units  
四级传动 Four stage  
卧式安装 Horizontal  
类型 YFB4.H, YFB4.M Type YFB3.H, YFB4.M  
规格 13...22 sizes 13...22

### B4SH B4HH B4DH



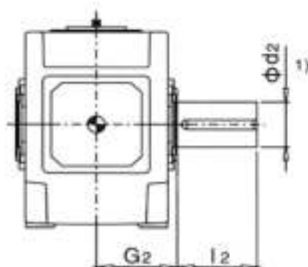
### B4HM B4DM



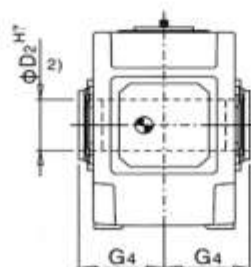
#### ★ 输出轴 Output Shaft

#### 布置形式 Design

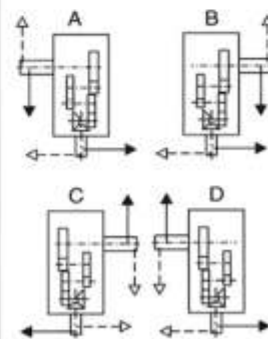
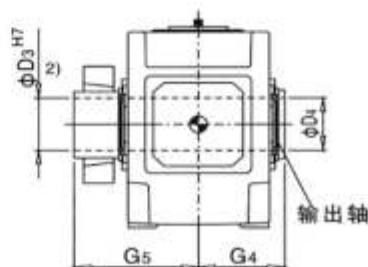
YFB4SH  
实心轴 Solid shaft



YFB4HH  
空心轴 Hollow shaft



YFB4DH YFB4DM  
带胀紧盘的空心轴  
Hollow shaft for shrink disk



- 1)  $\phi m6 \leq \phi 100$   $n6 > \phi 100$   
有关平键和中心孔, 参见第5页
- 2) 键槽 GB/T1095-1979
- 3) 扭力支撑位于工作机侧

- 1)  $\phi m6 \leq \phi 100$   $n6 > \phi 100$   
For Parallel key and for centre hole, see page 5
- 2) Keyway GB/T1095-1979
- 3) Torque support on driven machine side

直交轴齿轮箱 Bevel-helical Gear Units

四级传动 Four stage

卧式安装 Horizontal

类型 YFB4.H, YFB4.M Type YFB4.H, YFB4.M

规格 13...22 sizes 13...22

| 规格<br>Size | 尺寸 mm Dimension sin mm |       |                |       |                 |       |                 |       |                 |       |                 |       |
|------------|------------------------|-------|----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|
|            | 输入轴 Input shaft        |       |                |       |                 |       |                 |       |                 |       |                 |       |
|            | $i_N = 80-180$         |       | $i_N = 90-200$ |       | $i_N = 100-224$ |       | $i_N = 200-315$ |       | $i_N = 224-355$ |       | $i_N = 250-400$ |       |
|            | $d_1^{1)}$             | $l_1$ | $d_1^{1)}$     | $l_1$ | $d_1^{1)}$      | $l_1$ | $d_1^{1)}$      | $l_1$ | $d_1^{1)}$      | $l_1$ | $d_1^{1)}$      | $l_1$ |
| 13         | 55                     | 110   |                |       |                 |       | 40              | 100   |                 |       |                 |       |
| 14         |                        |       |                |       | 55              | 110   |                 |       |                 |       | 40              | 100   |
| 15         | 70                     | 135   |                |       |                 |       | 50              | 110   |                 |       |                 |       |
| 16         |                        |       | 70             | 135   |                 |       |                 |       | 50              | 110   |                 |       |
| 17         | 70                     | 135   |                |       |                 |       | 50              | 110   |                 |       |                 |       |
| 18         |                        |       | 70             | 135   |                 |       |                 |       | 50              | 110   |                 |       |
| 19         | 80                     | 165   |                |       |                 |       | 60              | 140   |                 |       |                 |       |
| 20         |                        |       | 80             | 165   |                 |       |                 |       | 60              | 140   |                 |       |
| 21         | 90                     | 165   |                |       |                 |       | 70              | 140   |                 |       |                 |       |
| 22         |                        |       | 90             | 165   |                 |       |                 |       | 70              | 140   |                 |       |

| 规格<br>Size | 尺寸 mm    Dimension sin mm |     |     |                |                |                |      |       |     |                |
|------------|---------------------------|-----|-----|----------------|----------------|----------------|------|-------|-----|----------------|
|            | 齿轮箱    Gear housing       |     |     |                |                |                |      |       |     |                |
|            | a                         | b   | c   | c <sub>1</sub> | D <sub>5</sub> | e <sub>2</sub> | E    | g     | h   | h <sub>1</sub> |
| 13         | 1395                      | 550 | 60  | 61 ± 2         | 48             | 405            | 820  | 211.5 | 440 | 450            |
| 14         | 1535                      | 550 | 60  | 61 ± 2         | 48             | 475            | 890  | 211.5 | 440 | 450            |
| 15         | 1680                      | 625 | 70  | 72 ± 2         | 55             | 485            | 987  | 238   | 500 | 490            |
| 16         | 1770                      | 625 | 70  | 72 ± 2         | 55             | 530            | 1033 | 238   | 500 | 490            |
| 17         | 1770                      | 690 | 80  | 81 ± 2         | 55             | 525            | 1035 | 259   | 550 | 555            |
| 18         | 1890                      | 690 | 80  | 81 ± 2         | 55             | 585            | 1095 | 259   | 550 | 555            |
| 19         | 2030                      | 790 | 90  | 91 ± 2         | 65             | 590            | 1190 | 299   | 620 | 615            |
| 20         | 2150                      | 790 | 90  | 91 ± 2         | 65             | 650            | 1250 | 299   | 620 | 615            |
| 21         | 2340                      | 830 | 100 | 100 ± 2        | 75             | 655            | 1387 | 310   | 700 | 685            |
| 22         | 2450                      | 830 | 100 | 100 ± 2        | 75             | 710            | 1442 | 310   | 700 | 685            |

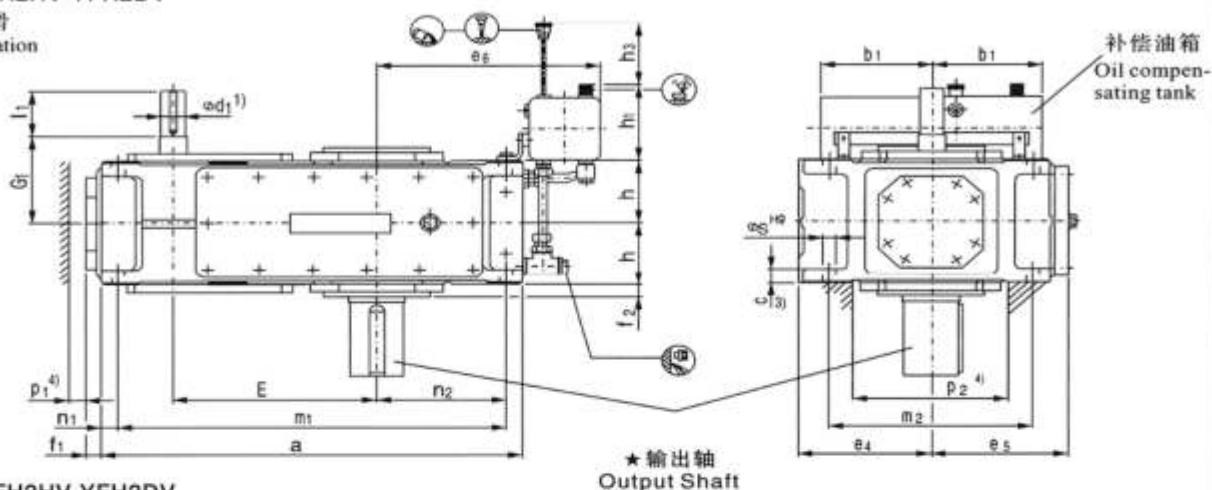
| 规格<br>Size | 尺寸 mm Dimension sin mm |      |       |       |       |       |       |       |       |    |
|------------|------------------------|------|-------|-------|-------|-------|-------|-------|-------|----|
|            | 齿轮箱 Gear housing       |      |       |       |       |       |       |       |       |    |
|            | $h_2$                  | H    | $m_1$ | $m_2$ | $m_3$ | $n_1$ | $n_2$ | $n_3$ | $n_4$ | s  |
| 13         | 460                    | 900  | 597.5 | 597.5 | 475   | 100   | 305   | 940   | 340   | 35 |
| 14         | 460                    | 900  | 737.5 | 737.5 | 475   | 100   | 375   | 1010  | 340   | 35 |
| 15         | 500                    | 1000 | 720   | 720   | 535   | 120   | 365   | 1135  | 375   | 42 |
| 16         | 500                    | 1000 | 720   | 810   | 535   | 120   | 410   | 1180  | 375   | 42 |
| 17         | 560                    | 1110 | 750   | 750   | 600   | 135   | 390   | 1175  | 425   | 42 |
| 18         | 560                    | 1110 | 750   | 870   | 600   | 135   | 450   | 1235  | 425   | 42 |
| 19         | 620                    | 1240 | 860   | 860   | 690   | 155   | 435   | 1365  | 475   | 48 |
| 20         | 620                    | 1240 | 860   | 980   | 690   | 155   | 495   | 1425  | 475   | 48 |
| 21         | 690                    | 1390 | 1000  | 1000  | 720   | 170   | 485   | 1615  | 520   | 56 |
| 22         | 690                    | 1390 | 1000  | 1110  | 720   | 170   | 540   | 1670  | 520   | 56 |

| 规格<br>Size | 尺寸 mm    Dimension sin mm    |                |                |                              |                |                |                |                |                | 润滑油 Lubrication<br>(l) |        | 重量 Weight<br>(kg) |        |
|------------|------------------------------|----------------|----------------|------------------------------|----------------|----------------|----------------|----------------|----------------|------------------------|--------|-------------------|--------|
|            | 输出轴    Output shaft          |                |                |                              |                |                |                |                |                |                        |        |                   |        |
|            | YFB4SH                       |                |                | YFB4HH YFB4HM                |                | YFB4DH YFB4DM  |                |                |                | YFB4.H                 | YFB4.M | YFB4.H            | YFB4.M |
|            | d <sub>2</sub> <sup>1)</sup> | G <sub>2</sub> | l <sub>2</sub> | D <sub>2</sub> <sup>2)</sup> | G <sub>4</sub> | D <sub>3</sub> | D <sub>4</sub> | G <sub>4</sub> | G <sub>5</sub> | (l)                    | (l)    | (kg)              | (kg)   |
| 13         | 200                          | 335            | 350            | 190                          | 335            | 190            | 195            | 335            | 480            | 145                    | 120    | 2395              | 2280   |
| 14         | 210                          | 335            | 350            | 210                          | 335            | 210            | 215            | 335            | 480            | 150                    | 125    | 2735              | 2605   |
| 15         | 230                          | 380            | 410            | 230                          | 380            | 230            | 235            | 380            | 550            | 230                    | 170    | 3630              | 3435   |
| 16         | 240                          | 380            | 410            | 240                          | 380            | 240            | 245            | 380            | 550            | 235                    | 175    | 3985              | 3765   |
| 17         | 250                          | 415            | 410            | 250                          | 415            | 250            | 260            | 415            | 600            | 295                    | 230    | 4695              | 4460   |
| 18         | 270                          | 415            | 470            | 275                          | 415            | 280            | 285            | 415            | 600            | 305                    | 235    | 5200              | 4930   |
| 19         | 290                          | 465            | 470            | —                            | —              | 285            | 295            | 465            | 670            | 480                    | 440    | 5750              | 5400   |
| 20         | 300                          | 465            | 500            | —                            | —              | 310            | 315            | 465            | 670            | 550                    | 510    | 6450              | 6000   |
| 21         | 320                          | 490            | 500            | —                            | —              | 330            | 335            | 490            | 715            | 540                    | 590    | 7850              | 7350   |
| 22         | 340                          | 490            | 550            | —                            | —              | 340            | 345            | 490            | 725            | 620                    | 680    | 8400              | 7850   |

平行轴齿轮箱 Helical Gear Units  
 两级传动 Two stage  
 立式安装 Vertical  
 类型 YFH2.V Type YFH2.V  
 规格 3...12 sizes 3...12

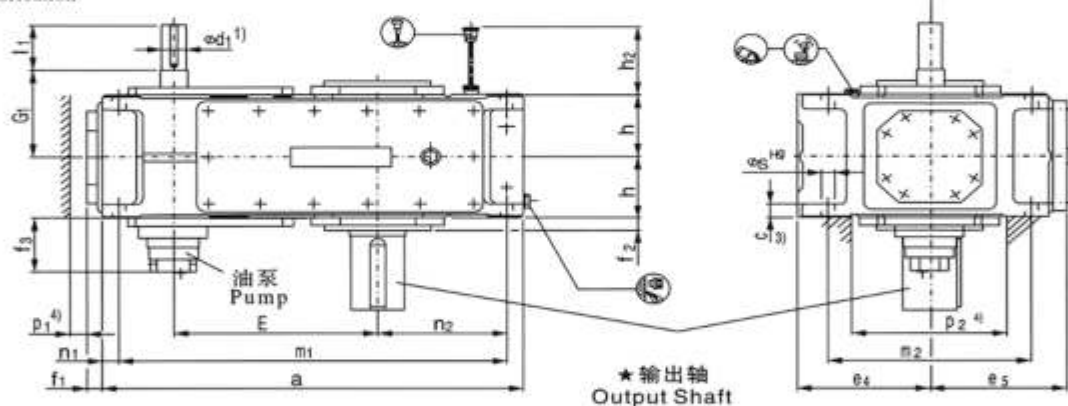
### YFH2SV YFH2HV YFH2DV

采用浸油润滑  
 With dip lubrication



### YFH2SV YFH2HV YFH2DV

采用强制润滑  
 With forced lubrication

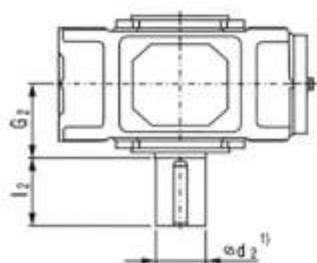


#### ★输出轴 Output Shaft

#### 布置形式 Design

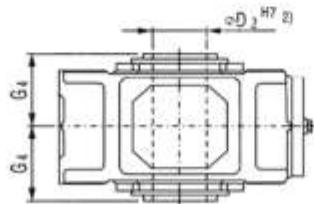
#### YFH2SV

实心轴 Solid shaft



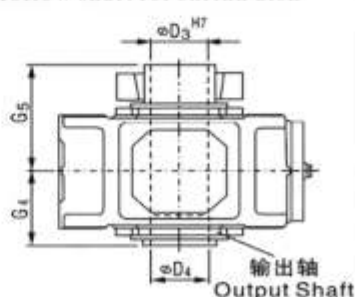
#### YFH2HV

空心轴 Hollow shaft



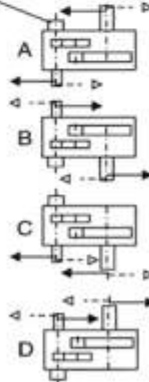
#### YFH2DV

带胀紧盘的空心轴  
 Hollow shaft for shrink disk



布置形式 A + D 根据用户要求供货  
 Design A&D on request

#### 油泵 Pump



1)  $m_6 \leq \varnothing 100$   $n_6 > \varnothing 100$

有关平键中心孔, 参见第 5 页

2) 键槽 GB/T1095-1979

3) 扭力支撑位于工作机侧

4) 有关油泵、油管和护盖的安装空间及确切尺寸, 请与我们联系

1)  $m_6 \leq \varnothing 100$   $n_6 > \varnothing 100$

For Parallel key DIN 6885/1B and for centre hole, see page 5

2) Keyway GB/T1095-1979

3) Torque support on driven machine side

4) Space for pump, pipes and cover;

For exact dimensions, please to us.

平行轴齿轮箱 Helical Gear Units

二级传动 Two Stage

立式安装 Vertical

类型 YFH2.V Type YFH2.V

规格 3...12 sizes 3...12

| 规格<br>Size | 尺寸 mm Dimension sin mm |       |              |       |                   |       |               |       |       |
|------------|------------------------|-------|--------------|-------|-------------------|-------|---------------|-------|-------|
|            | 输入轴 Input shaft        |       |              |       |                   |       |               |       |       |
|            | $i_N = 6.3-11.2$       |       | $i_N = 8-14$ |       | $i_N = 12.5-22.4$ |       | $i_N = 16-28$ |       | $G_1$ |
|            | $d_1^{1)}$             | $l_1$ | $d_1^{1)}$   | $l_1$ | $d_1^{1)}$        | $l_1$ | $d_1^{1)}$    | $l_1$ |       |
| 3          | 35                     | 60    |              |       | 28                | 50    |               |       | 135   |
| 4          | 45                     | 100   |              |       | 32                | 80    |               |       | 170   |
| 5          | 50                     | 100   |              |       | 38                | 80    |               |       | 195   |
| 6          |                        |       | 50           | 100   |                   |       | 38            | 80    | 195   |
| 7          | 60                     | 135   |              |       | 50                | 110   |               |       | 210   |
| 8          |                        |       | 60           | 135   |                   |       | 50            | 110   | 210   |
| 9          | 75                     | 140   |              |       | 60                | 140   |               |       | 240   |
| 10         |                        |       | 75           | 140   |                   |       | 60            | 140   | 240   |
| 11         | 90                     | 165   |              |       | 70                | 140   |               |       | 275   |
| 12         |                        |       | 90           | 165   |                   |       | 70            | 140   | 275   |

| 规格<br>Size | 尺寸 mm Dimension sin mm |       |              |       |       |       |     |       |       |       |
|------------|------------------------|-------|--------------|-------|-------|-------|-----|-------|-------|-------|
|            | 齿轮箱 Gear housing       |       |              |       |       |       |     |       |       |       |
|            | a                      | $b_1$ | c            | $e_4$ | $e_5$ | $e_6$ | E   | $f_1$ | $f_2$ | $f_3$ |
| 3          | 450                    | 150   | $24 \pm 1$   | 175   | 185   | 290   | 220 | 28    | 20    | —     |
| 4          | 565                    | 150   | $30 \pm 1$   | 200   | 215   | 320   | 270 | 28    | 22    | —     |
| 5          | 640                    | 240   | $30 \pm 1$   | 230   | 252   | 385   | 315 | 38    | 28    | 150   |
| 6          | 720                    | 240   | $30 \pm 1$   | 230   | 252   | 425   | 350 | 38    | 28    | 150   |
| 7          | 785                    | 240   | $36 \pm 1$   | 280   | 292   | 425   | 385 | 42    | 30    | 145   |
| 8          | 890                    | 240   | $36 \pm 1$   | 280   | 302   | 485   | 430 | 42    | 32    | 145   |
| 9          | 925                    | 330   | $45 \pm 1.5$ | 320   | 342   | 560   | 450 | 42    | 32    | 135   |
| 10         | 1025                   | 330   | $45 \pm 1.5$ | 320   | 342   | 610   | 500 | 42    | 32    | 135   |
| 11         | 1105                   | 330   | $54 \pm 1.5$ | 380   | 402   | 595   | 545 | 48    | 35    | 145   |
| 12         | 1260                   | 330   | $54 \pm 1.5$ | 380   | 410   | 680   | 615 | 48    | 35    | 145   |

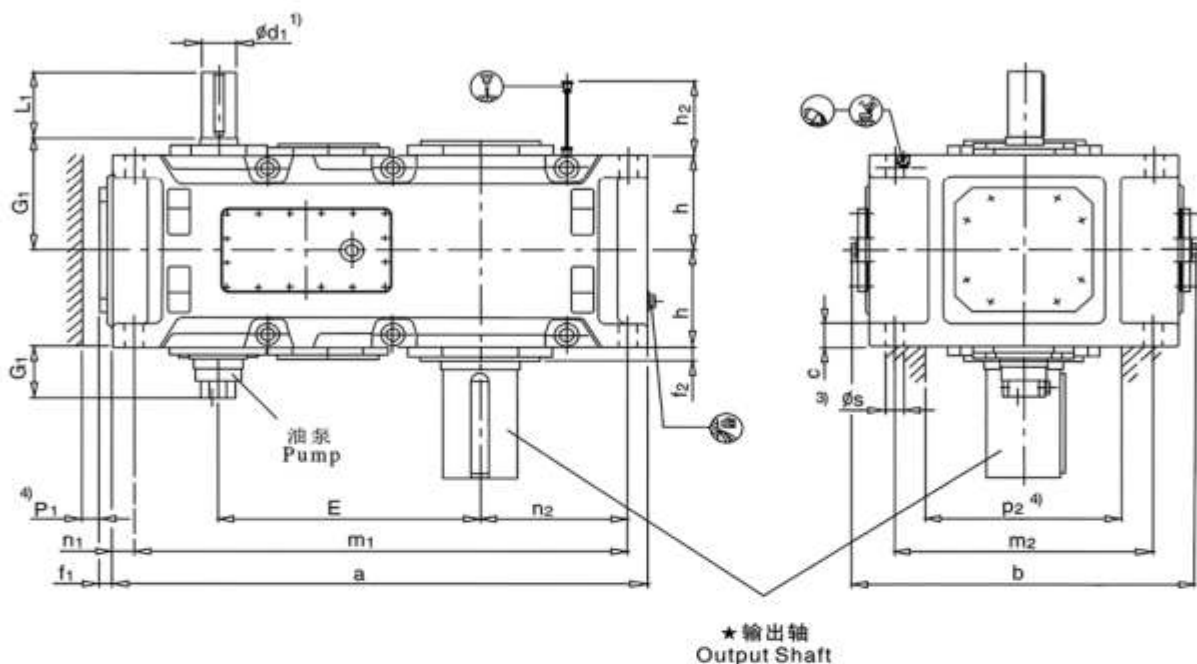
| 规格<br>Size | 尺寸 mm Dimension sin mm |       |       |       |       |       |       |       |            |            |    |
|------------|------------------------|-------|-------|-------|-------|-------|-------|-------|------------|------------|----|
|            | 齿轮箱 Gear housing       |       |       |       |       |       |       |       |            |            |    |
|            | h                      | $h_1$ | $h_2$ | $h_3$ | $m_1$ | $m_2$ | $n_1$ | $n_2$ | $p_1^{4)}$ | $p_2^{4)}$ | s  |
| 3          | 95                     | 165   | —     | 180   | 410   | 265   | 20    | 125   | 35         | 210        | 18 |
| 4          | 107.5                  | 165   | —     | 180   | 505   | 300   | 30    | 160   | 35         | 220        | 24 |
| 5          | 127.5                  | 205   | 190   | 240   | 580   | 360   | 30    | 175   | 35         | 270        | 24 |
| 6          | 127.5                  | 205   | 190   | 240   | 660   | 360   | 30    | 220   | 35         | 270        | 24 |
| 7          | 150                    | 205   | 165   | 250   | 715   | 430   | 35    | 215   | 35         | 330        | 28 |
| 8          | 150                    | 205   | 165   | 250   | 820   | 430   | 35    | 275   | 35         | 330        | 28 |
| 9          | 185                    | 275   | 205   | 330   | 845   | 490   | 40    | 260   | 40         | 370        | 36 |
| 10         | 185                    | 275   | 205   | 330   | 945   | 490   | 40    | 310   | 40         | 370        | 36 |
| 11         | 215                    | 275   | 240   | 340   | 1005  | 600   | 50    | 295   | 50         | 440        | 40 |
| 12         | 215                    | 275   | 240   | 340   | 1160  | 600   | 50    | 380   | 50         | 440        | 40 |

| 规格<br>Size | 尺寸 mm      Dimension sin mm  |                |                |                              |                |                |                |                |                | 润滑油      Lubrication               |                                       | 重量<br>Weighty<br>(kg) |
|------------|------------------------------|----------------|----------------|------------------------------|----------------|----------------|----------------|----------------|----------------|------------------------------------|---------------------------------------|-----------------------|
|            | 输出轴      Output shaft        |                |                |                              |                |                |                |                |                | 浸油润浸<br>Dip labrication<br><br>(l) | 强制润滑<br>Forced labrication<br><br>(l) |                       |
|            | YFH2SV                       |                |                | YFH2HV                       |                | YFH2DV         |                |                |                |                                    |                                       |                       |
|            | d <sub>2</sub> <sup>1)</sup> | G <sub>2</sub> | l <sub>2</sub> | D <sub>2</sub> <sup>2)</sup> | G <sub>4</sub> | D <sub>3</sub> | D <sub>4</sub> | G <sub>4</sub> | G <sub>5</sub> |                                    |                                       |                       |
| 3          | 65                           | 125            | 140            | 65                           | 125            | 70             | 70             | 125            | 180            | 14                                 | —                                     | 115                   |
| 4          | 80                           | 140            | 170            | 80                           | 140            | 85             | 85             | 140            | 205            | 25                                 | —                                     | 190                   |
| 5          | 100                          | 165            | 210            | 95                           | 165            | 100            | 100            | 165            | 240            | 23                                 | 10                                    | 300                   |
| 6          | 100                          | 165            | 210            | 105                          | 165            | 110            | 110            | 165            | 240            | 27                                 | 11                                    | 355                   |
| 7          | 120                          | 195            | 210            | 115                          | 195            | 120            | 120            | 195            | 280            | 58                                 | 22                                    | 505                   |
| 8          | 130                          | 195            | 250            | 125                          | 195            | 130            | 130            | 195            | 285            | 62                                 | 25                                    | 590                   |
| 9          | 140                          | 235            | 250            | 135                          | 235            | 140            | 145            | 235            | 330            | 100                                | 42                                    | 830                   |
| 10         | 160                          | 235            | 300            | 150                          | 235            | 150            | 155            | 235            | 350            | 110                                | 46                                    | 960                   |
| 11         | 170                          | 270            | 300            | 165                          | 270            | 165            | 170            | 270            | 400            | 160                                | 60                                    | 1335                  |
| 12         | 180                          | 270            | 300            | 180                          | 270            | 180            | 185            | 270            | 405            | 180                                | 70                                    | 1615                  |

平行轴齿轮箱 Helical Gear Units  
二级传动 Two stage  
立式安装 Vertical  
类型 YFH2.V Type YFH2.V  
规格 13...18 sizes 13...18

### YFH2SV YFH2HV YFH2DV

采用强制润滑  
With forced lubrication

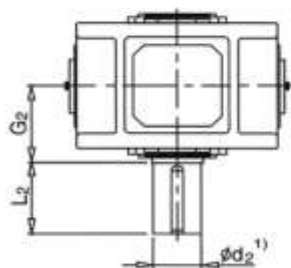


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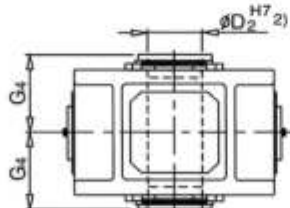
#### ★ 输出轴

#### 布置形式 Design

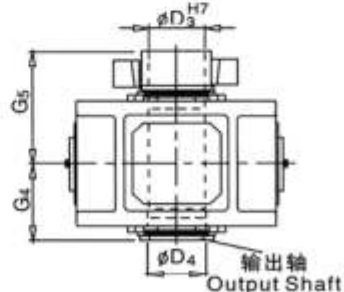
YFH2SV  
实心轴 Solid shaft



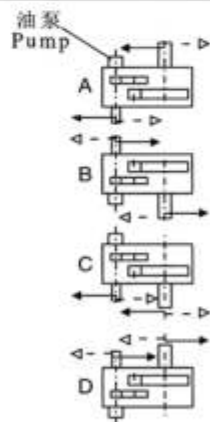
YFH2HV <sup>5)</sup>  
空心轴 Hollow shaft



YFH2DV <sup>5)</sup>  
带胀紧盘的空心轴  
Hollow shaft for shrink disk



布置形式 A + D 根据用户要求供货  
Design A & D on request



1)  $m_6 \leq \phi 100$   $n_6 > \phi 100$   
有关平键中心孔, 参见第5页

2) 键槽 GB/T1095-1979

3) 扭力支撑位于工作机侧

4) 有关油泵、油管的护盖的安装空间及确切尺寸, 请与我们联系

5) 规格13和15号减速比只有  $i_n=6.3-18$ ; 规格17号;  
减速比只有  $i_n=6.3-16$

1)  $m_6 \leq \phi 100$   $n_6 > \phi 100$   
For Parallel key DIN 6885/1B and for centre hole, see page 5

2) Keyway GB/T1095-1979

3) Torque support on driven machine side

4) Space for pump, pipes and cover;  
For exact dimensions, please to us.

5) Sizes 13 and 15; only  $i_n=6.3-18$ ; sizes 17 and 17;  
only  $i_n=6.3-16$

平行轴齿轮箱 Helical Gear Units  
 二级传动 Two stage  
 立式安装 Vertical  
 类型 YFH2.V Type YFH2.V  
 规格 13...18 sizes 13...18

| 规格<br>Size | 尺寸 mm Dimension in mm        |                |                              |                |                              |                |                              |                |                              |                |                              |                |     |
|------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|-----|
|            | 输入轴 Input shaft              |                |                              |                |                              |                |                              |                |                              |                |                              |                |     |
|            | in=6.3-11.2                  |                | in=7.1-12.5                  |                | in=8-14                      |                | in=12.5-20                   |                | in=14-22.4                   |                | in=16-25                     |                | G1  |
|            | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> |     |
| 13         | 100                          | 205            |                              |                |                              |                | 85                           | 170            |                              |                |                              |                | 330 |
| 14         |                              |                |                              |                | 100                          | 205            |                              |                |                              |                | 85                           | 170            | 330 |
| 15         | 120                          | 210            |                              |                |                              |                | 100                          | 210            |                              |                |                              |                | 365 |
| 16         |                              |                | 120                          | 210            |                              |                |                              |                | 100                          | 210            |                              |                | 365 |
| 17         | 125                          | 245            |                              |                |                              |                | 110                          | 210            |                              |                |                              |                | 420 |
| 18         |                              |                | 125                          | 245            |                              |                |                              |                | 110                          | 210            |                              |                | 420 |
| 19         |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |     |
| 20         |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |     |
| 21         |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |     |
| 22         |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |     |

根据用户要求  
 供货  
 on request

| 规格<br>Size | 尺寸 mm Dimension in mm |      |        |     |    |    |                            |       |     |      |     |    |     |       |       |    |  |  |
|------------|-----------------------|------|--------|-----|----|----|----------------------------|-------|-----|------|-----|----|-----|-------|-------|----|--|--|
|            | 齿轮箱 Gear housing      |      |        |     |    |    |                            |       |     |      |     |    |     |       |       |    |  |  |
|            | a                     | b    | c      | E   | f1 | f2 | f3                         | h     | h2  | m1   | m2  | n1 | n2  | p1 4) | p2 4) | s  |  |  |
| 13         | 1290                  | 900  | 61 ± 2 | 635 | 53 | 35 | 130                        | 272.5 | 300 | 1195 | 680 | 50 | 360 | 50    | 500   | 48 |  |  |
| 14         | 1430                  | 900  | 61 ± 2 | 705 | 53 | 35 | 130                        | 272.5 | 300 | 1335 | 680 | 50 | 430 | 50    | 500   | 48 |  |  |
| 15         | 1550                  | 980  | 72 ± 2 | 762 | 63 | 42 | 130                        | 310   | 340 | 1435 | 750 | 60 | 430 | 50    | 570   | 55 |  |  |
| 16         | 1640                  | 980  | 72 ± 2 | 808 | 63 | 42 | 130                        | 310   | 340 | 1525 | 750 | 60 | 475 | 50    | 570   | 55 |  |  |
| 17         | 1740                  | 1110 | 81 ± 2 | 860 | 60 | 42 | 170                        | 340   | 374 | 1610 | 850 | 70 | 465 | 70    | 630   | 55 |  |  |
| 18         | 1860                  | 1110 | 81 ± 2 | 920 | 60 | 42 | 170                        | 340   | 374 | 1730 | 850 | 70 | 525 | 70    | 630   | 55 |  |  |
| 19         |                       |      |        |     |    |    | 根据用户要求<br>供货<br>on request |       |     |      |     |    |     |       |       |    |  |  |
| 20         |                       |      |        |     |    |    |                            |       |     |      |     |    |     |       |       |    |  |  |
| 21         |                       |      |        |     |    |    |                            |       |     |      |     |    |     |       |       |    |  |  |
| 22         |                       |      |        |     |    |    |                            |       |     |      |     |    |     |       |       |    |  |  |

根据用户要求  
 供货  
 on request

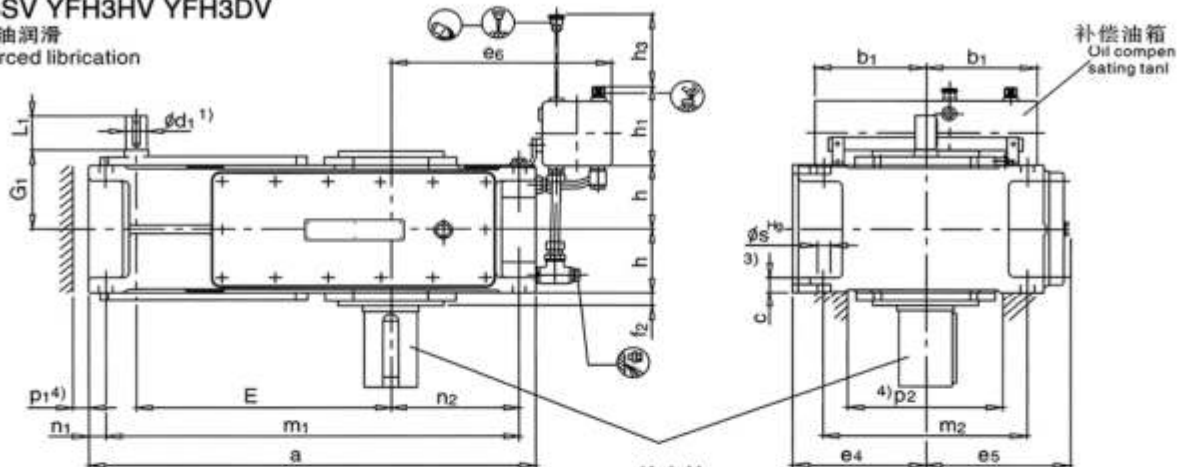
| 规格<br>Size | 尺寸 mm    Dimension sin mm |     |     |           |                            |           |     |     |     | 润滑油<br>Lubrication<br>(l) | 重量<br>Weighy<br>(kg) |
|------------|---------------------------|-----|-----|-----------|----------------------------|-----------|-----|-----|-----|---------------------------|----------------------|
|            | 输出轴 Output shaft          |     |     |           |                            |           |     |     |     |                           |                      |
|            | YFH2SV                    |     |     | YFH2HV 5) |                            | YFH2DV 5) |     |     |     |                           |                      |
|            | d2 1)                     | G2  | l2  | D2 2)     | G4                         | D3        | D4  | G4  | G5  |                           |                      |
| 13         | 200                       | 335 | 350 | 190       | 335                        | 190       | 195 | 335 | 480 | 80                        | 1880                 |
| 14         | 210                       | 335 | 350 | 210       | 335                        | 210       | 215 | 335 | 480 | 90                        | 2430                 |
| 15         | 230                       | 380 | 410 | 230       | 380                        | 230       | 235 | 380 | 550 | 140                       | 3240                 |
| 16         | 240                       | 380 | 410 | 240       | 380                        | 240       | 245 | 380 | 550 | 150                       | 3465                 |
| 17         | 250                       | 415 | 410 | 250       | 415                        | 250       | 260 | 415 | 600 | 175                       | 4420                 |
| 18         | 270                       | 415 | 470 | 275       | 415                        | 280       | 285 | 415 | 600 | 185                       | 4870                 |
| 19         |                           |     |     |           | 根据用户要求<br>供货<br>on request |           |     |     |     |                           |                      |
| 20         |                           |     |     |           |                            |           |     |     |     |                           |                      |
| 21         |                           |     |     |           |                            |           |     |     |     |                           |                      |
| 22         |                           |     |     |           |                            |           |     |     |     |                           |                      |

根据用户要求  
 供货  
 on request

平行轴齿轮箱 Helical Gear Units  
三级传动 Three stage  
立式安装 Vertical  
类型 YFH3.V Type YFH3.V  
规格 5...12 sizes 5...12

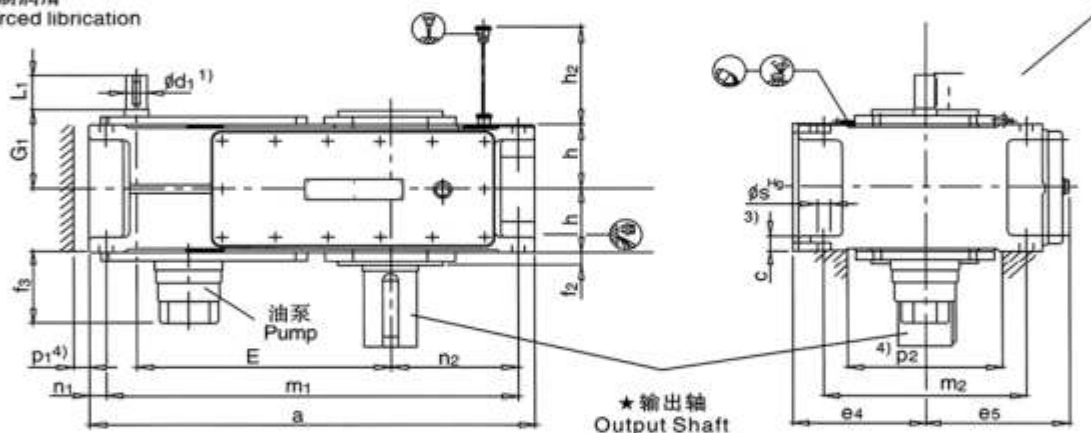
### YFH3SV YFH3HV YFH3DV

采用浸油润滑  
With forced lubrication



### YFH3SV YFH3HV YFH3DV

采用强制润滑  
With forced lubrication

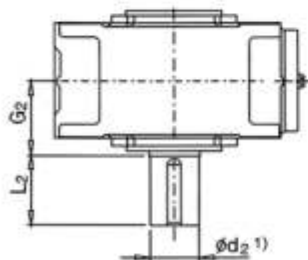


★输出轴  
Output Shaft

布置形式 Design

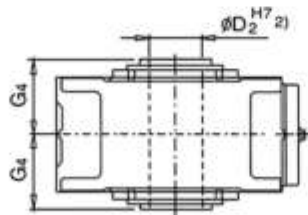
YFH3SV

实心轴 Solid shaft



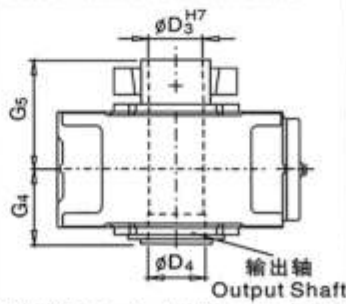
YFH3HV

空心轴 Hollow shaft

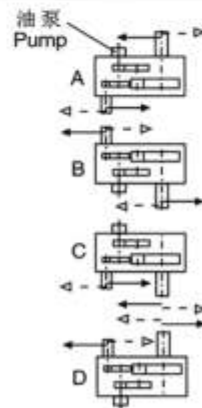


YFH3DV

带胀紧盘的空心轴  
Hollow shaft for shrink disk



布置形式 A + D 根据用户要求供货  
Design A & D on request



1)  $k6 \leq \varnothing 24$   $\varnothing 26 \geq m6 \leq \varnothing 100$   $n6 > \varnothing 100$

有关平键和中心孔, 参见第5页

2) 键槽 GB/T1095-1979

3) 扭力支撑位于工作机侧

4) 有关油泵、油管的护盖的安装空间及确切尺寸, 请与我们联系

1)  $k6 \leq \varnothing 24$   $26 \geq \varnothing m6 \leq \varnothing 100$   $n6 > \varnothing 100$

For Parallel key and for centre hole, see page 5

2) Keyway GB/T1095-1979

3) Torque support on driven machine side

4) Space for pump, pipes and cover;  
For exact dimensions, please use us.

平行轴齿轮箱 Helical Gear Units

三级传动 Three stage

立式安装 Vertical

类型 YFH3.V Type YFH3.V

规格 5...12 sizes 5...12

| 规格<br>Size | 尺寸 mm Dimension in mm        |                |                              |                |                              |                |                              |                |                              |                |                              |                |
|------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|
|            | 输入轴 Input shaft              |                |                              |                |                              |                |                              |                |                              |                |                              |                |
|            | i <sub>N</sub> =25-45        |                | i <sub>N</sub> =31.5-56      |                | i <sub>N</sub> =50-63        |                | i <sub>N</sub> =63-80        |                | i <sub>N</sub> =71-90        |                | i <sub>N</sub> =90-112       |                |
|            | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> |
| 5          | 40                           | 70             |                              |                | 30                           | 50             |                              |                | 24                           | 40             |                              | 160            |
| 6          |                              |                | 40                           | 70             |                              |                | 30                           | 50             |                              |                | 24                           | 40             |
| 7          | 45                           | 80             |                              |                | 35                           | 60             |                              |                | 28                           | 50             |                              | 185            |
| 8          |                              |                | 45                           | 80             |                              |                | 35                           | 60             |                              |                | 28                           | 50             |
| 9          | 60                           | 125            |                              |                | 45                           | 100            |                              |                | 32                           | 80             |                              | 230            |
| 10         |                              |                | 60                           | 125            |                              |                | 45                           | 100            |                              |                | 32                           | 80             |
| 11         | 70                           | 120            |                              |                | 50                           | 80             |                              |                | 42                           | 70             |                              | 255            |
| 12         |                              |                | 70                           | 120            |                              |                | 50                           | 80             |                              |                | 42                           | 70             |

| 规格<br>Size | 尺寸 mm Dimension in mm |     |          |     |     |     |     |    |     |       |
|------------|-----------------------|-----|----------|-----|-----|-----|-----|----|-----|-------|
|            | 齿轮箱 Gear housing      |     |          |     |     |     |     |    |     |       |
|            | a                     | b1  | c        | e4  | e5  | e6  | E   | f2 | f3  | h     |
| 5          | 690                   | 240 | 30 ± 1   | 230 | 252 | 385 | 405 | 28 | 190 | 127.5 |
| 6          | 770                   | 240 | 30 ± 1   | 230 | 252 | 425 | 440 | 28 | 190 | 127.5 |
| 7          | 845                   | 240 | 36 ± 1   | 280 | 292 | 425 | 495 | 30 | 185 | 150   |
| 8          | 950                   | 240 | 36 ± 1   | 280 | 312 | 485 | 540 | 32 | 185 | 150   |
| 9          | 1000                  | 330 | 45 ± 1.5 | 320 | 342 | 560 | 580 | 32 | 170 | 185   |
| 10         | 1100                  | 330 | 45 ± 1.5 | 320 | 342 | 610 | 630 | 32 | 170 | 185   |
| 11         | 1200                  | 330 | 54 ± 1.5 | 380 | 402 | 595 | 705 | 35 | 170 | 215   |
| 12         | 1355                  | 330 | 54 ± 1.5 | 380 | 410 | 680 | 775 | 35 | 170 | 215   |

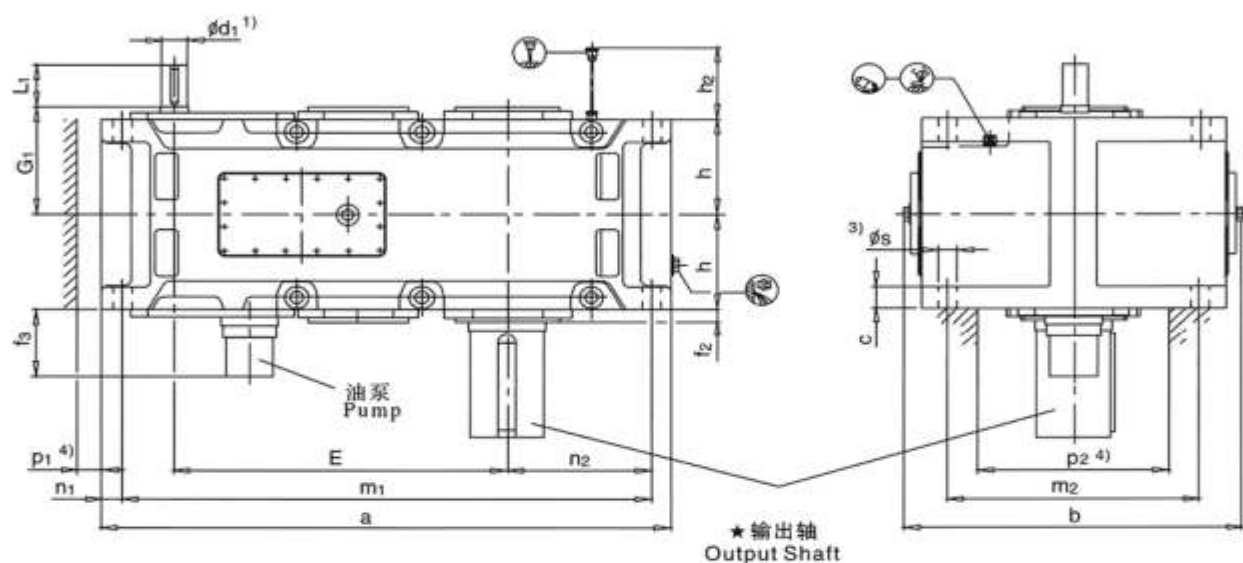
| 规格<br>Size | 尺寸 mm Dimension in mm |     |     |      |     |    |     |                  |                  |    |
|------------|-----------------------|-----|-----|------|-----|----|-----|------------------|------------------|----|
|            | 齿轮箱 Gear housing      |     |     |      |     |    |     |                  |                  |    |
|            | h1                    | h2  | h3  | m1   | m2  | n1 | n2  | p1 <sup>4)</sup> | p2 <sup>4)</sup> | s  |
| 5          | 205                   | 190 | 240 | 630  | 360 | 30 | 175 | 35               | 270              | 24 |
| 6          | 205                   | 190 | 240 | 710  | 360 | 30 | 220 | 35               | 270              | 24 |
| 7          | 205                   | 165 | 250 | 775  | 430 | 35 | 215 | 35               | 330              | 28 |
| 8          | 205                   | 165 | 250 | 880  | 430 | 35 | 275 | 35               | 330              | 28 |
| 9          | 275                   | 205 | 330 | 920  | 490 | 40 | 260 | 40               | 370              | 36 |
| 10         | 275                   | 205 | 330 | 1020 | 490 | 40 | 310 | 40               | 370              | 36 |
| 11         | 275                   | 240 | 340 | 1100 | 600 | 50 | 295 | 50               | 440              | 40 |
| 12         | 275                   | 240 | 340 | 1255 | 600 | 50 | 380 | 50               | 440              | 40 |

| 规格<br>Size | 尺寸 mm Dimension sin mm |     |     |        |     |        |     |     |     | 润滑油 Lubrication                |                                   | 重量<br>Weighty<br>(kg) |
|------------|------------------------|-----|-----|--------|-----|--------|-----|-----|-----|--------------------------------|-----------------------------------|-----------------------|
|            | 输出轴 Output shaft       |     |     |        |     |        |     |     |     | 浸油润滑<br>Dip lubrication<br>(l) | 强制润滑<br>Forced labrication<br>(l) |                       |
|            | YFH3SV                 |     |     | YFH3HV |     | YFH3DV |     |     |     |                                |                                   |                       |
|            | d2 1)                  | G2  | l2  | D2 2)  | G4  | D3     | D4  | G4  | G5  |                                |                                   |                       |
| 5          | 100                    | 165 | 210 | 95     | 165 | 100    | 100 | 165 | 240 | 35                             | 13                                | 320                   |
| 6          | 110                    | 165 | 210 | 105    | 165 | 110    | 110 | 165 | 240 | 37                             | 15                                | 365                   |
| 7          | 120                    | 195 | 210 | 115    | 195 | 120    | 120 | 195 | 280 | 60                             | 25                                | 540                   |
| 8          | 130                    | 195 | 250 | 125    | 195 | 130    | 130 | 195 | 285 | 72                             | 30                                | 625                   |
| 9          | 140                    | 235 | 250 | 135    | 235 | 140    | 145 | 235 | 330 | 100                            | 40                                | 875                   |
| 10         | 160                    | 235 | 300 | 150    | 235 | 150    | 155 | 235 | 350 | 110                            | 45                                | 1020                  |
| 11         | 170                    | 270 | 300 | 165    | 270 | 165    | 170 | 270 | 400 | 170                            | 66                                | 1400                  |
| 12         | 180                    | 270 | 300 | 180    | 270 | 180    | 185 | 270 | 405 | 190                            | 75                                | 1675                  |

平行轴齿轮箱 Helical Gear Units  
 三级传动 Three stage  
 立式安装 Vertical  
 类型 YFH3.V Type YFH3.V  
 规格 13...18 sizes 13...18

### YFH3SV YFH3HV YFH3DV

采用强制润滑  
 With forced lubrication

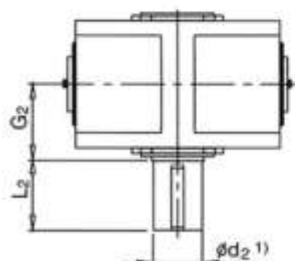


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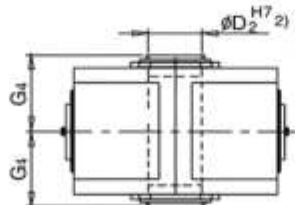
#### ★ 输出轴 Output Shaft

#### 布置形式 Design

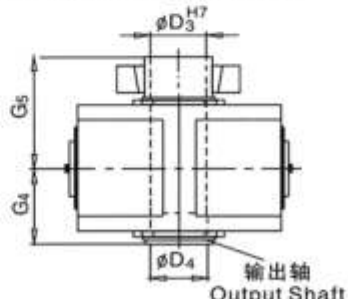
YFH2SV  
 实心轴 Solid shaft



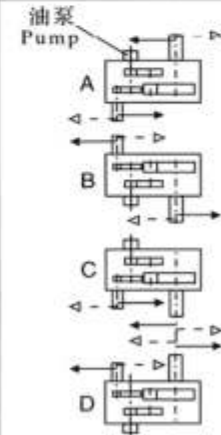
YFH3HV  
 空心轴 Hollow shaft



YFH3DV  
 带胀紧盘的空心轴  
 Hollow shaft for shrink disk



布置形式 A + D 根据用户要求供货  
 Design A & D on request



1)  $m_6 \leq \varnothing 100$   $n_6 > \varnothing 100$

有关平键和中心孔, 参见第5页

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For Parallel key and for centre hole, see page 5

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3) Torque support on driven machine side

4) Space for pump, pipes and cover;  
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平行轴齿轮箱 Helical Gear Units

三级传动 Three stage

立式安装 Vertical

类型 YFH3.V Type YFH3.V

规格 13...18 sizes 13...18

| 规格<br>Size | 尺寸 mm Dimension in mm        |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |
|------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|
|            | 输入轴 Input shaft              |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |
|            | i <sub>N</sub> =22.4-45      |                | i <sub>N</sub> =25-50        |                | i <sub>N</sub> =28-56        |                | i <sub>N</sub> =50-63        |                | i <sub>N</sub> =56-71        |                | i <sub>N</sub> =63-80        |                | i <sub>N</sub> =71-90        |                | i <sub>N</sub> =80-100       |                | i <sub>N</sub> =90-112       |                |
|            | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> |
| 13         | 85                           | 160            |                              |                |                              |                | 60                           | 135            |                              |                |                              |                | 50                           | 110            |                              |                |                              | 310            |
| 14         |                              |                |                              |                | 85                           | 160            |                              |                |                              |                | 60                           | 135            |                              |                |                              |                | 50                           | 110            |
| 15         | 100                          | 200            |                              |                |                              |                | 75                           | 140            |                              |                |                              |                | 60                           | 140            |                              |                |                              | 350            |
| 16         |                              |                | 100                          | 200            |                              |                |                              |                | 75                           | 140            |                              |                |                              |                | 60                           | 140            |                              | 350            |
| 17         | 100                          | 200            |                              |                |                              |                | 75                           | 140            |                              |                |                              |                | 60                           | 140            |                              |                |                              | 380            |
| 18         |                              |                | 100                          | 200            |                              |                |                              |                | 75                           | 140            |                              |                |                              |                | 60                           | 140            |                              | 380            |
| 19         |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |
| 20         |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |
| 21         |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |
| 22         |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |

根据用户要求  
供货  
on request

| 规格<br>Size | 尺寸 mm Dimension in mm |      |        |      |                |                |       |                |                |                |                |                |                              |                              |    |
|------------|-----------------------|------|--------|------|----------------|----------------|-------|----------------|----------------|----------------|----------------|----------------|------------------------------|------------------------------|----|
|            | 齿轮箱 Gear housing      |      |        |      |                |                |       |                |                |                |                |                |                              |                              |    |
|            | a                     | b    | c      | E    | f <sub>2</sub> | f <sub>3</sub> | h     | h <sub>2</sub> | m <sub>1</sub> | m <sub>2</sub> | n <sub>1</sub> | n <sub>2</sub> | p <sub>1</sub> <sup>4)</sup> | p <sub>2</sub> <sup>4)</sup> | s  |
|            |                       |      |        |      |                |                |       |                |                |                |                |                |                              |                              |    |
| 13         | 1395                  | 900  | 61 ± 2 | 820  | 35             | 170            | 272.5 | 300            | 1300           | 680            | 50             | 360            | 50                           | 500                          | 48 |
| 14         | 1535                  | 900  | 61 ± 2 | 890  | 35             | 170            | 272.5 | 300            | 1440           | 680            | 50             | 430            | 50                           | 500                          | 48 |
| 15         | 1680                  | 980  | 72 ± 2 | 987  | 42             | 170            | 310   | 340            | 1565           | 750            | 60             | 430            | 50                           | 570                          | 55 |
| 16         | 1770                  | 980  | 72 ± 2 | 1033 | 42             | 170            | 310   | 340            | 1655           | 750            | 60             | 475            | 50                           | 570                          | 55 |
| 17         | 1770                  | 1110 | 81 ± 2 | 1035 | 42             | 210            | 340   | 374            | 1640           | 850            | 70             | 465            | 70                           | 630                          | 55 |
| 18         | 1890                  | 1110 | 81 ± 2 | 1095 | 42             | 210            | 340   | 374            | 1760           | 850            | 70             | 525            | 70                           | 630                          | 55 |
| 19         |                       |      |        |      |                |                |       |                |                |                |                |                |                              |                              |    |
| 20         |                       |      |        |      |                |                |       |                |                |                |                |                |                              |                              |    |
| 21         |                       |      |        |      |                |                |       |                |                |                |                |                |                              |                              |    |
| 22         |                       |      |        |      |                |                |       |                |                |                |                |                |                              |                              |    |

根据用户要求  
供货  
on request

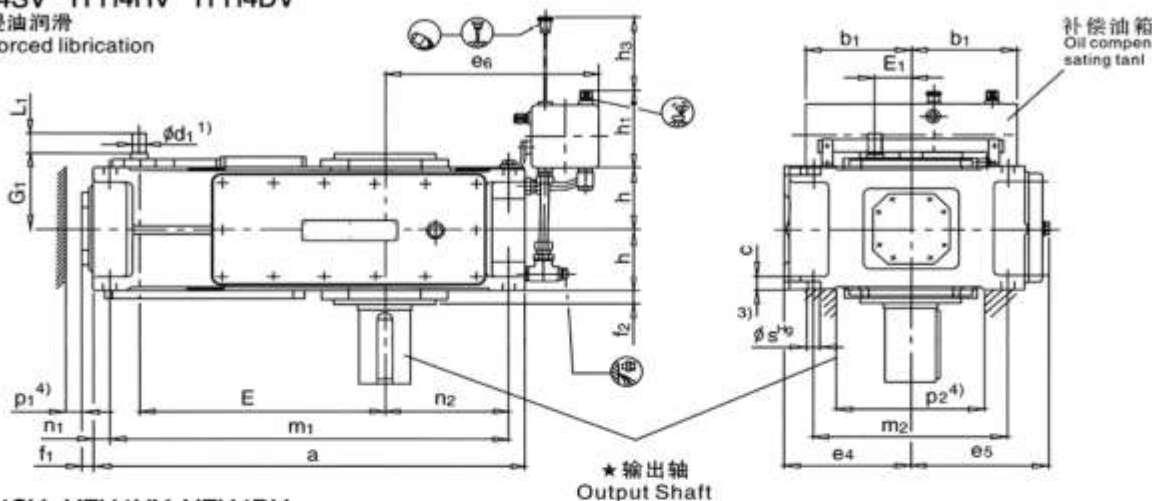
| 规格<br>Size | 尺寸 mm    Dimension sin mm |     |     |                  |                            |        |     |     |     | 润滑油<br>Lubrication<br>(l) | 重量<br>Weighty<br>(kg) |
|------------|---------------------------|-----|-----|------------------|----------------------------|--------|-----|-----|-----|---------------------------|-----------------------|
|            | 输出轴    Output shaft       |     |     |                  |                            |        |     |     |     |                           |                       |
|            | YFH3SV                    |     |     | YFH3HV           |                            | YFH3DV |     |     |     |                           |                       |
|            | d2 <sup>1)</sup>          | G2  | l2  | D2 <sup>2)</sup> | G4                         | D3     | D4  | G4  | G5  |                           |                       |
| 13         | 200                       | 335 | 350 | 190              | 335                        | 190    | 195 | 335 | 480 | 115                       | 2155                  |
| 14         | 210                       | 335 | 350 | 210              | 335                        | 210    | 215 | 335 | 480 | 126                       | 2490                  |
| 15         | 230                       | 380 | 410 | 230              | 380                        | 230    | 235 | 380 | 550 | 180                       | 3260                  |
| 16         | 240                       | 380 | 410 | 240              | 380                        | 240    | 245 | 380 | 550 | 190                       | 3625                  |
| 17         | 250                       | 415 | 410 | 250              | 415                        | 250    | 260 | 415 | 600 | 190                       | 4250                  |
| 18         | 270                       | 415 | 470 | 275              | 415                        | 280    | 285 | 415 | 600 | 200                       | 4740                  |
| 19         |                           |     |     |                  | 根据用户要求<br>供货<br>on request |        |     |     |     |                           |                       |
| 20         |                           |     |     |                  |                            |        |     |     |     |                           |                       |
| 21         |                           |     |     |                  |                            |        |     |     |     |                           |                       |
| 22         |                           |     |     |                  |                            |        |     |     |     |                           |                       |

根据用户要求  
供货  
on request

平行轴齿轮箱 Helical Gear Units  
四级传动 Four stage  
立式安装 Vertical  
类型 YFH4.V Type YFH4.V  
规格 7...12 sizes 7...12

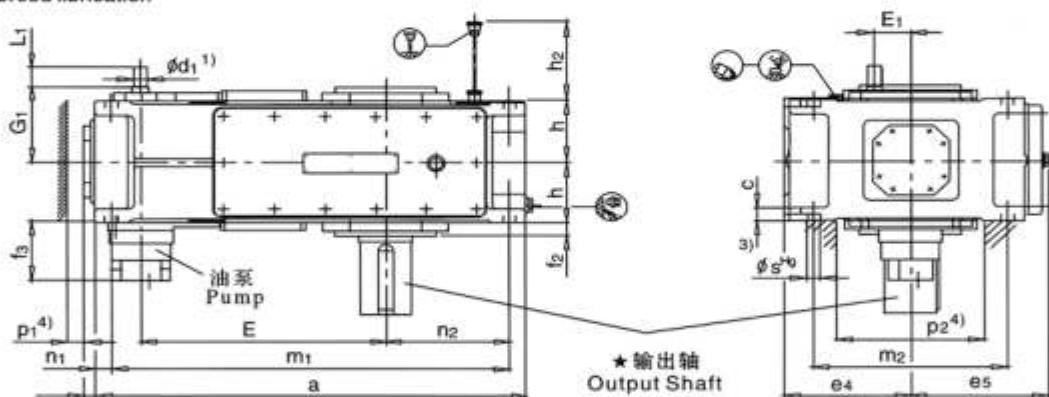
### YFH4SV YFH4HV YFH4DV

采用浸油润滑  
With forced lubrication



### YFH4SV YFH4HV YFH4DV

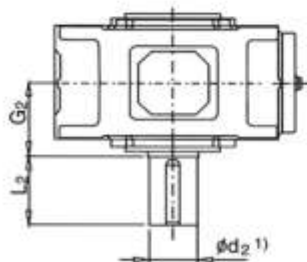
采用强制润滑  
With forced lubrication



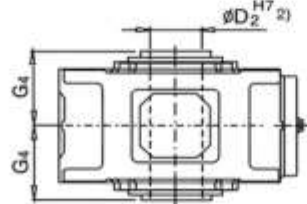
★ 输出轴  
Output Shaft

布置形式 Design

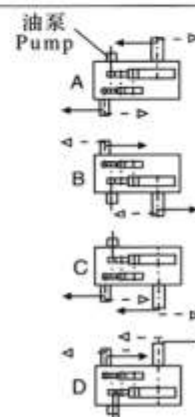
YFH4SV  
实心轴 Solid shaft



YFH4HV  
空心轴 Hollow shaft



YFH4DV  
带胀紧盘的空心轴  
Hollow shaft for shrink disk



1)  $k6 \leq \varnothing 24$   $\varnothing 26 \geq m6 \leq \varnothing 100$   $n6 > \varnothing 100$   
有关平键和中心孔, 参见第5页

2) 键槽 GB/T1095-1979

3) 扭力支撑位于工作机侧

4) 有关油泵、油管的护盖的安装空间及确切尺寸, 请与我们联系

1)  $k6 \leq \varnothing 24$   $\varnothing 26 \geq m6 \leq \varnothing 100$   $n6 > \varnothing 100$   
For Parallel key and for centre hole, see page 5

2) Keyway GB/T1095-1979

3) Torque support on driven machine side

4) Space for pump, pipes and cover;  
For exact dimensions, please to us.

平行轴齿轮箱 Helical Gear Units

四级传动 Four stage

立式安装 Vertical

类型 YFH4.V Type YFH4.V

规格 7...12 sizes 7...12

| 规格<br>Size | 尺寸 mm    Dimension in mm     |                |                              |                |                              |                |                              |                | G1  |
|------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|-----|
|            | 输入轴    Input shaft           |                |                              |                |                              |                |                              |                |     |
|            | i <sub>N</sub> =100-180      |                | i <sub>N</sub> =125-224      |                | i <sub>N</sub> =200-355      |                | i <sub>N</sub> =250-450      |                |     |
|            | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> |     |
| 7          | 30                           | 50             |                              |                | 24                           | 40             |                              |                | 180 |
| 8          |                              |                | 30                           | 50             |                              |                | 24                           | 40             | 180 |
| 9          | 35                           | 60             |                              |                | 28                           | 50             |                              |                | 215 |
| 10         |                              |                | 35                           | 60             |                              |                | 28                           | 50             | 215 |
| 11         | 45                           | 100            |                              |                | 32                           | 80             |                              |                | 250 |
| 12         |                              |                | 45                           | 100            |                              |                | 32                           | 80             | 250 |

| 规格<br>Size | 尺寸 mm Dimension in mm |     |          |     |     |     |     |     |    |    |     |
|------------|-----------------------|-----|----------|-----|-----|-----|-----|-----|----|----|-----|
|            | 齿轮箱 Gear housing      |     |          |     |     |     |     |     |    |    |     |
|            | a                     | b1  | c        | e4  | e5  | e6  | E   | E1  | f1 | f2 | f3  |
| 7          | 845                   | 240 | 36 ± 1   | 280 | 292 | 425 | 495 | 80  | 37 | 30 | 160 |
| 8          | 950                   | 240 | 36 ± 1   | 280 | 302 | 485 | 540 | 80  | 37 | 32 | 160 |
| 9          | 1000                  | 330 | 45 ± 1.5 | 320 | 342 | 560 | 580 | 90  | 43 | 32 | 170 |
| 10         | 1100                  | 330 | 45 ± 1.5 | 320 | 342 | 610 | 630 | 90  | 43 | 32 | 170 |
| 11         | 1200                  | 330 | 54 ± 1.5 | 380 | 402 | 595 | 705 | 110 | 47 | 35 | 170 |
| 12         | 1355                  | 330 | 54 ± 1.5 | 380 | 410 | 680 | 775 | 110 | 47 | 35 | 170 |

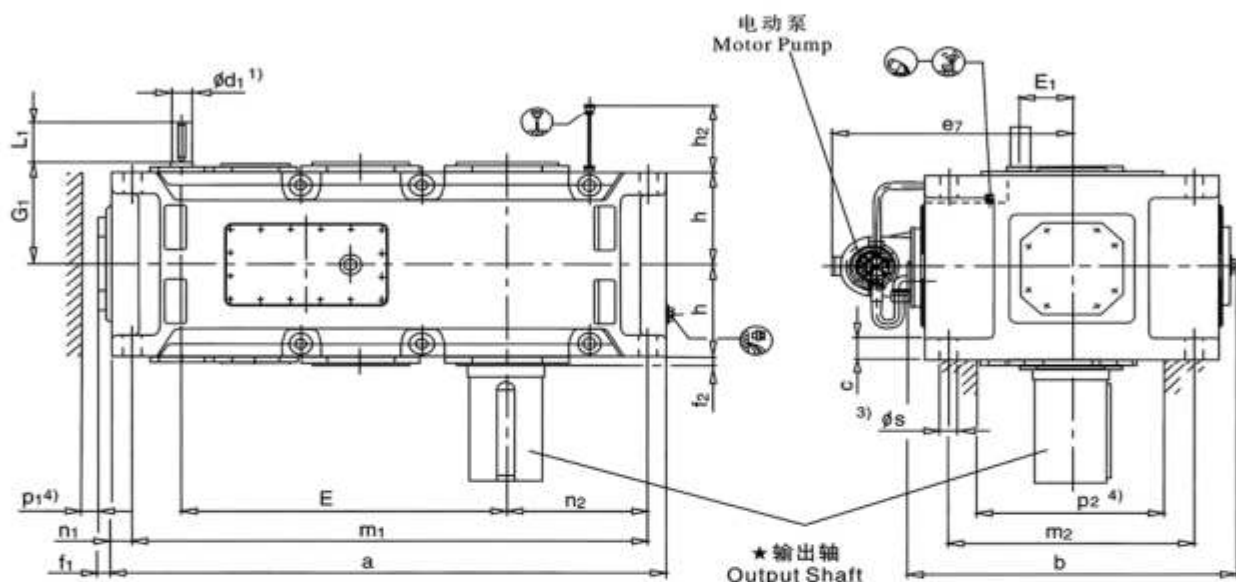
| 规格<br>Size | 尺寸 mm Dimension in mm |     |     |     |      |     |    |     |                  |                  |    |
|------------|-----------------------|-----|-----|-----|------|-----|----|-----|------------------|------------------|----|
|            | 齿轮箱 Gear housing      |     |     |     |      |     |    |     |                  |                  |    |
|            | h                     | h1  | h2  | h3  | m1   | m2  | n1 | n2  | p1 <sup>4)</sup> | p2 <sup>4)</sup> | s  |
| 7          | 150                   | 205 | 165 | 250 | 775  | 430 | 35 | 215 | 35               | 330              | 28 |
| 8          | 150                   | 205 | 165 | 250 | 880  | 430 | 35 | 275 | 35               | 330              | 28 |
| 9          | 185                   | 275 | 205 | 330 | 920  | 490 | 40 | 260 | 40               | 370              | 36 |
| 10         | 185                   | 275 | 205 | 330 | 1020 | 490 | 40 | 310 | 40               | 370              | 36 |
| 11         | 215                   | 275 | 240 | 340 | 1100 | 600 | 50 | 295 | 50               | 440              | 40 |
| 12         | 215                   | 275 | 240 | 340 | 1255 | 600 | 50 | 380 | 50               | 440              | 40 |

| 规格<br>Size | 尺寸 mm    Dimension sin mm |     |     |                  |     |        |     |     |     | 润滑油 Lubrication                |                                   | 重量<br>Weighty<br>(kg) |
|------------|---------------------------|-----|-----|------------------|-----|--------|-----|-----|-----|--------------------------------|-----------------------------------|-----------------------|
|            | 输出轴    Output shaft       |     |     |                  |     |        |     |     |     | 浸油润滑<br>Dip lubrication<br>(l) | 强制润滑<br>Forced lubrication<br>(l) |                       |
|            | YFH4SV                    |     |     | YFH4HV           |     | YFH4DV |     |     |     |                                |                                   |                       |
|            | d2 <sup>1)</sup>          | G2  | l2  | D2 <sup>2)</sup> | G4  | D3     | D4  | G4  | G5  |                                |                                   |                       |
| 7          | 120                       | 195 | 210 | 115              | 195 | 120    | 120 | 195 | 280 | 50                             | 20                                | 550                   |
| 8          | 130                       | 195 | 250 | 125              | 195 | 130    | 130 | 195 | 285 | 60                             | 25                                | 645                   |
| 9          | 140                       | 235 | 250 | 135              | 235 | 140    | 145 | 235 | 330 | 95                             | 38                                | 875                   |
| 10         | 160                       | 235 | 300 | 150              | 235 | 150    | 155 | 235 | 350 | 110                            | 45                                | 1010                  |
| 11         | 170                       | 270 | 300 | 165              | 270 | 165    | 170 | 270 | 400 | 165                            | 65                                | 1460                  |
| 12         | 180                       | 270 | 300 | 180              | 270 | 180    | 185 | 270 | 405 | 180                            | 75                                | 1725                  |

平行轴齿轮箱 Helical Gear Units  
四级传动 Four stage  
立式安装 Vertical  
类型 YFH4.V Type YFH4.V  
规格 13...18 sizes 13...18

### YFH4SV YFH4HV YFH4DV

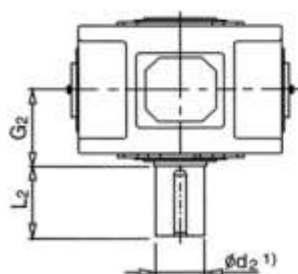
采用强制润滑  
With forced lubrication



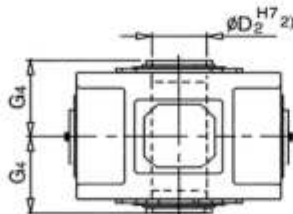
#### ★输出轴 Output Shaft

#### 布置形式 Design

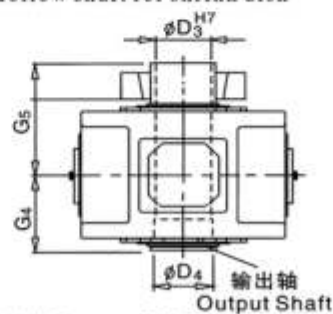
YFH4SV  
实心轴 Solid shaft



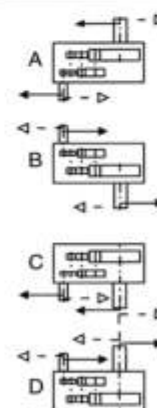
YFH4HV  
空心轴 Hollow shaft



YFH4DV  
带胀紧盘的空心轴  
Hollow shaft for shrink disk



布置形式 A + D 根据用户要求供货  
Design A&D on request



1)  $m_6 \leq \varnothing 100$   $n_6 > \varnothing 100$

有关平键和中心孔, 参见第5页

2) 键槽 GB/T1095-1979

3) 扭力支撑位于工作机侧

4) 有关油泵、油管的护盖的安装空间及确切尺寸, 请与我们联系

1)  $m_6 \leq \varnothing 100$   $n_6 > \varnothing 100$

For Parallel key and for centre hole, see page 5

2) Keyway GB/T1095-1979

3) Torque support on driven machine side

4) Space for pump, pipes and cover;

For exact dimensions, please to us.

平行轴齿轮箱 Helical Gear Units

四级传动 Four stage

立式安装 Vertical

类型 YFH4.V Type YFH4.V

规格 13...18 sizes 13...18

| 规格<br>Size | 尺寸 mm    Dimension sin mm    |                |                              |                |                              |                |                              |                |                              |                |                              |                | G1  |
|------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|-----|
|            | 输入轴    Input shaft           |                |                              |                |                              |                |                              |                |                              |                |                              |                |     |
|            | i <sub>N</sub> = 100-180     |                | i <sub>N</sub> = 112-200     |                | i <sub>N</sub> = 125-224     |                | i <sub>N</sub> = 200-355     |                | i <sub>N</sub> = 224-400     |                | i <sub>N</sub> = 250-450     |                |     |
|            | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> | d <sub>1</sub> <sup>1)</sup> | l <sub>1</sub> |     |
| 13         | 50                           | 100            |                              |                |                              |                | 38                           | 80             |                              |                |                              |                | 305 |
| 14         |                              |                |                              |                | 50                           | 100            |                              |                |                              |                | 38                           | 80             | 305 |
| 15         | 60                           | 135            |                              |                |                              |                | 50                           | 110            |                              |                |                              |                | 345 |
| 16         |                              |                | 60                           | 135            |                              |                |                              |                | 50                           | 110            |                              |                | 345 |
| 17         | 60                           | 105            |                              |                |                              |                | 50                           | 80             |                              |                |                              |                | 380 |
| 18         |                              |                | 60                           | 105            |                              |                |                              |                | 50                           | 80             |                              |                | 380 |
| 19         |                              |                |                              |                |                              |                | 根据用户要求<br>供货<br>on request   |                |                              |                |                              |                |     |
| 20         |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |     |
| 21         |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |     |
| 22         |                              |                |                              |                |                              |                |                              |                |                              |                |                              |                |     |

| 规格<br>Size | 尺寸 mm Dimension in mm |      |        |                |      |                |                |                |       |                |                |                |                |                |                              |                              |    |
|------------|-----------------------|------|--------|----------------|------|----------------|----------------|----------------|-------|----------------|----------------|----------------|----------------|----------------|------------------------------|------------------------------|----|
|            | 齿轮箱 Gear housing      |      |        |                |      |                |                |                |       |                |                |                |                |                |                              |                              |    |
|            | a                     | b    | c      | e <sub>7</sub> | E    | E <sub>1</sub> | l <sub>1</sub> | l <sub>2</sub> | h     | h <sub>2</sub> | m <sub>1</sub> | m <sub>2</sub> | n <sub>1</sub> | n <sub>2</sub> | p <sub>1</sub> <sup>4)</sup> | p <sub>2</sub> <sup>4)</sup> | s  |
| 13         | 1395                  | 900  | 61 ± 2 | 695            | 820  | 130            | 47             | 35             | 272.5 | 300            | 1300           | 680            | 50             | 360            | 50                           | 500                          | 48 |
| 14         | 1535                  | 900  | 61 ± 2 | 695            | 890  | 130            | 47             | 35             | 272.5 | 300            | 1440           | 680            | 50             | 430            | 50                           | 500                          | 48 |
| 15         | 1680                  | 980  | 72 ± 2 | 735            | 987  | 160            | 56             | 42             | 310   | 340            | 1565           | 750            | 60             | 430            | 50                           | 570                          | 55 |
| 16         | 1770                  | 980  | 72 ± 2 | 735            | 1033 | 160            | 56             | 42             | 310   | 340            | 1655           | 750            | 60             | 475            | 50                           | 570                          | 55 |
| 17         | 1770                  | 1110 | 81 ± 2 | 795            | 1035 | 160            | 53             | 42             | 340   | 374            | 1640           | 850            | 70             | 465            | 70                           | 630                          | 55 |
| 18         | 1890                  | 1110 | 81 ± 2 | 795            | 1095 | 160            | 53             | 42             | 340   | 374            | 1760           | 850            | 70             | 525            | 70                           | 630                          | 55 |
| 19         |                       |      |        |                |      |                |                |                |       |                |                |                |                |                |                              |                              |    |
| 20         |                       |      |        |                |      |                |                |                |       |                |                |                |                |                |                              |                              |    |
| 21         |                       |      |        |                |      |                |                |                |       |                |                |                |                |                |                              |                              |    |
| 22         |                       |      |        |                |      |                |                |                |       |                |                |                |                |                |                              |                              |    |

| 规格<br>Size | 尺寸 mm    Dimension sin mm |     |     |                  |                            |        |     |     |     | 润滑油<br>Lubrication<br>(l) | 重量<br>Weighy<br>(kg) |
|------------|---------------------------|-----|-----|------------------|----------------------------|--------|-----|-----|-----|---------------------------|----------------------|
|            | 输出轴    Output shaft       |     |     |                  |                            |        |     |     |     |                           |                      |
|            | YFH4SV                    |     |     | YFH4HV           |                            | YFH4DV |     |     |     |                           |                      |
|            | d2 <sup>1)</sup>          | G2  | l2  | D2 <sup>2)</sup> | G4                         | D3     | D4  | G4  | G5  |                           |                      |
| 13         | 200                       | 335 | 350 | 190              | 335                        | 190    | 195 | 335 | 480 | 95                        | 2270                 |
| 14         | 210                       | 335 | 350 | 210              | 335                        | 210    | 215 | 335 | 480 | 105                       | 2600                 |
| 15         | 230                       | 380 | 410 | 230              | 380                        | 230    | 235 | 380 | 550 | 150                       | 3440                 |
| 16         | 240                       | 380 | 410 | 240              | 380                        | 240    | 245 | 380 | 550 | 160                       | 3740                 |
| 17         | 250                       | 415 | 410 | 250              | 415                        | 250    | 260 | 415 | 600 | 190                       | 4445                 |
| 18         | 270                       | 415 | 470 | 275              | 415                        | 280    | 285 | 415 | 600 | 200                       | 4915                 |
| 19         |                           |     |     |                  | 根据用户要求<br>供货<br>on request |        |     |     |     |                           |                      |
| 20         |                           |     |     |                  |                            |        |     |     |     |                           |                      |
| 21         |                           |     |     |                  |                            |        |     |     |     |                           |                      |
| 22         |                           |     |     |                  |                            |        |     |     |     |                           |                      |

直交轴齿轮箱 Bevel-helical Gear Units

二级传动 Two stage

立式安装 Vertical

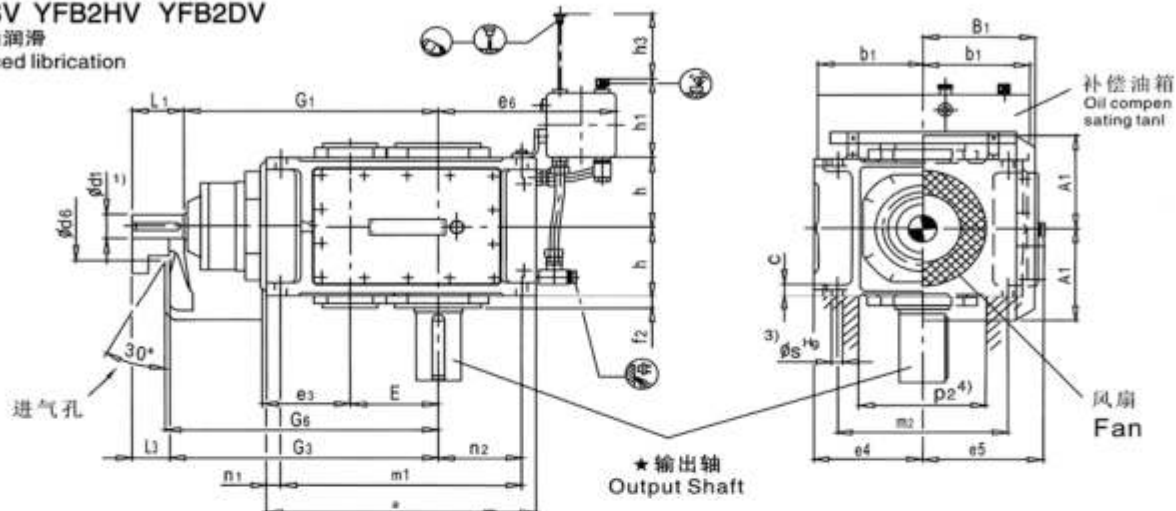
类型 YFB2.V Type YFB2.V

规格 1...14 sizes 1...12

### YFB2SV YFB2HV YFB2DV

采用浸油润滑

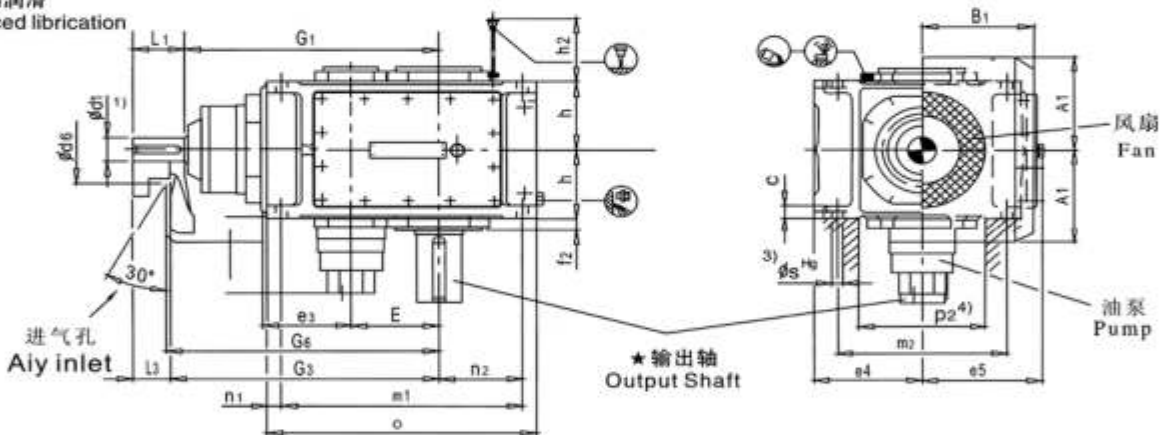
With forced lubrication



### YFB2SV YFB2HV YFB2DV

采用强制润滑

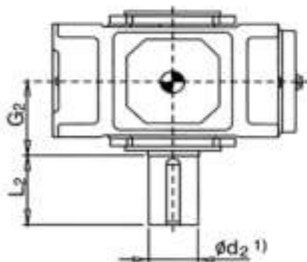
With forced lubrication



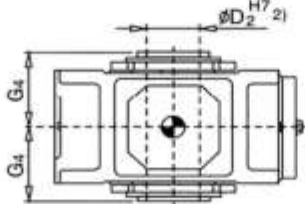
★ 输出轴  
Output Shaft

布置形式 Design

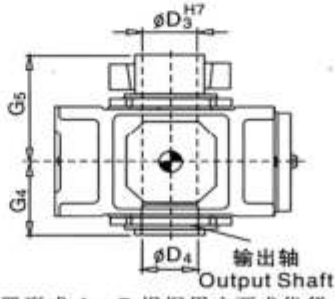
YFB2SV  
实心轴 Solid shaft



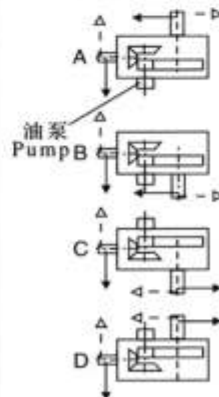
YFB2HV  
空心轴 Hollow shaft



YFB2DV  
带胀紧盘的空心轴  
Hollow shaft for shrink disk



布置形式 A + D 根据用户要求供货  
Design A&D on request



1)  $k6 \leq \varnothing 25$   $\varnothing 28 \leq m6 \leq \varnothing 100$   $n6 > \varnothing 100$

有关平键和中心孔, 参见第5页

2) 键槽 GB/T1095-1979

3) 扭力支撑位于工作侧

4) 有关油泵、油管的护盖的安装空间及确切尺寸, 请与我们联系

1)  $k6 \leq \varnothing 24$   $\varnothing 26 \geq m6 \leq \varnothing 100$   $n6 > \varnothing 100$

For Parallel key and for centre hole, see page 5

2) Keyway GB/T1095-1979

3) Torque support on driven machine side

4) Space for pump, pipes and cover;

For exact dimensions, please use to us.

直交轴齿轮箱 Bevel-helical Gear Units

二级传动 Two stage

立式安装 Vertical

类型 YFB2.V Type YFB2.V

规格 1...12 sizes 1...12

| 规格<br>Size | 尺寸 mm Dimension in mm |     |     |                  |     |     |                  |    |    |     |      |
|------------|-----------------------|-----|-----|------------------|-----|-----|------------------|----|----|-----|------|
|            | 输入轴 Input shaft       |     |     |                  |     |     |                  |    |    |     |      |
|            | iN=5-11.2             |     |     | iN=6.3-14        |     |     | iN=12.5-18       |    |    | G1  | G3   |
|            | d1 <sup>1)</sup>      | l1  | l3  | d1 <sup>1)</sup> | l1  | l3  | d1 <sup>1)</sup> | l1 | l3 |     |      |
| 1          | 28                    | 55  | 40  |                  |     |     | 20               | 50 | 35 | 300 | 315  |
| 2          | 30                    | 70  | 50  |                  |     |     | 25               | 60 | 40 | 340 | 360  |
| 3          | 35                    | 80  | 60  |                  |     |     | 28               | 60 | 40 | 390 | 410  |
| 4          | 45                    | 100 | 80  |                  |     |     |                  |    |    | 465 | 485  |
| 5          | 55                    | 110 | 80  |                  |     |     |                  |    |    | 535 | 565  |
| 6          |                       |     |     | 55               | 110 | 80  |                  |    |    | 570 | 600  |
| 7          | 70                    | 135 | 105 |                  |     |     |                  |    |    | 640 | 670  |
| 8          |                       |     |     | 70               | 135 | 105 |                  |    |    | 685 | 715  |
| 9          | 80                    | 165 | 130 |                  |     |     |                  |    |    | 755 | 790  |
| 10         |                       |     |     | 80               | 165 | 130 |                  |    |    | 805 | 840  |
| 11         | 90                    | 165 | 130 |                  |     |     |                  |    |    | 925 | 960  |
| 12         |                       |     |     | 90               | 165 | 130 |                  |    |    | 995 | 1030 |

| 规格<br>Size | 尺寸 mm Dimension in mm |     |     |     |        |     |     |     |     |     |     |    |
|------------|-----------------------|-----|-----|-----|--------|-----|-----|-----|-----|-----|-----|----|
|            | 齿轮箱 Gear housing      |     |     |     |        |     |     |     |     |     |     |    |
|            | a                     | A1  | b1  | B1  | c      | d6  | e3  | e4  | e5  | e6  | E   | f2 |
| 1          | 305                   | 128 | 150 | 130 | 16±1   | 100 | 90  | 130 | 145 | 280 | 90  | 22 |
| 2          | 355                   | 143 | 150 | 145 | 20±1   | 110 | 110 | 145 | 160 | 285 | 110 | 22 |
| 3          | 405                   | 163 | 150 | 170 | 24±1   | 120 | 130 | 175 | 185 | 290 | 130 | 24 |
| 4          | 505                   | 188 | 150 | 200 | 30±1   | 150 | 160 | 200 | 215 | 320 | 160 | 26 |
| 5          | 565                   | 215 | 240 | 235 | 30±1   | 160 | 185 | 230 | 252 | 385 | 185 | 30 |
| 6          | 645                   | 215 | 240 | 235 | 30±1   | 160 | 185 | 230 | 252 | 425 | 220 | 30 |
| 7          | 690                   | 250 | 240 | 285 | 36±1   | 210 | 225 | 280 | 302 | 425 | 225 | 32 |
| 8          | 795                   | 250 | 240 | 285 | 36±1   | 210 | 225 | 280 | 302 | 485 | 270 | 32 |
| 9          | 820                   | 270 | 330 | 325 | 48±1.5 | 195 | 265 | 320 | 342 | 560 | 265 | 45 |
| 10         | 920                   | 270 | 330 | 325 | 48±1.5 | 195 | 265 | 320 | 342 | 610 | 315 | 45 |
| 11         | 975                   | 328 | 330 | 385 | 54±1.5 | 210 | 320 | 380 | 410 | 595 | 320 | 47 |
| 12         | 1130                  | 328 | 330 | 385 | 54±1.5 | 210 | 320 | 380 | 410 | 680 | 390 | 47 |

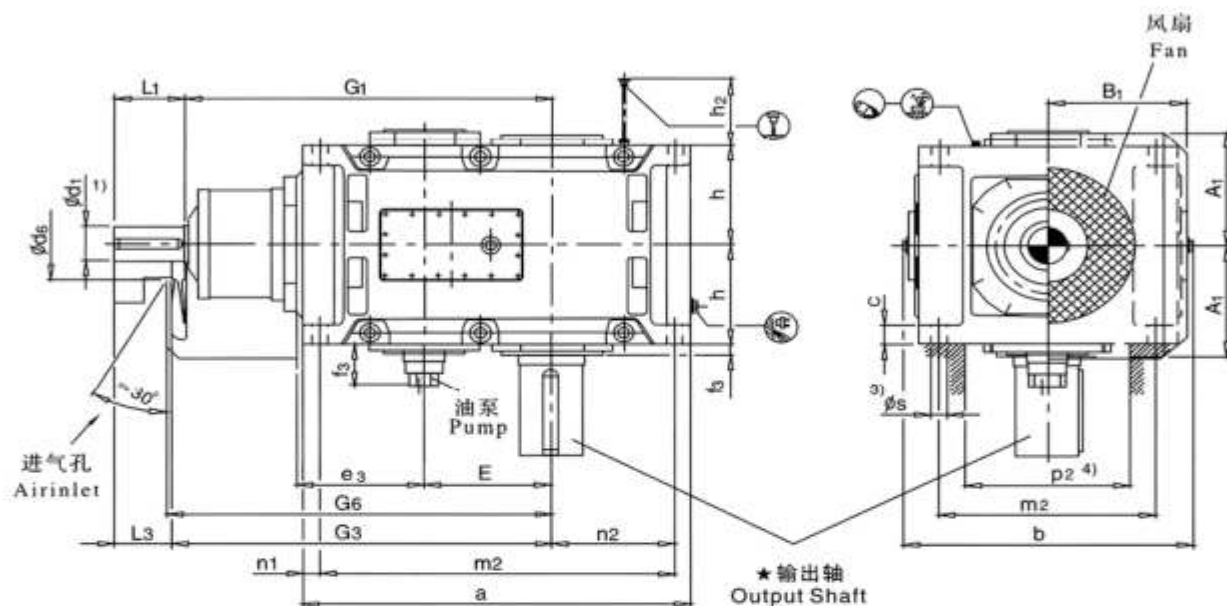
| 规格<br>Size | 尺寸 mm Dimension in mm |      |       |     |     |     |      |     |    |     |                  |    |
|------------|-----------------------|------|-------|-----|-----|-----|------|-----|----|-----|------------------|----|
|            | 齿轮箱 Gear housing      |      |       |     |     |     |      |     |    |     |                  |    |
|            | g3                    | G6   | h     | h1  | h2  | h3  | m1   | m2  | n1 | n2  | p2 <sup>4)</sup> | s  |
| 1          | -                     | 325  | 90    | 165 | -   | 170 | 275  | 210 | 15 | 115 | 150              | 12 |
| 2          | -                     | 370  | 102.5 | 165 | -   | 170 | 315  | 230 | 20 | 120 | 170              | 14 |
| 3          | -                     | 420  | 112.5 | 165 | -   | 180 | 365  | 265 | 20 | 130 | 200              | 18 |
| 4          | -                     | 495  | 135   | 165 | -   | 180 | 445  | 300 | 30 | 160 | 220              | 24 |
| 5          | 190                   | 575  | 160   | 205 | 245 | 240 | 505  | 360 | 30 | 175 | 270              | 24 |
| 6          | 190                   | 610  | 160   | 205 | 245 | 240 | 585  | 360 | 30 | 220 | 270              | 24 |
| 7          | 200                   | 685  | 190   | 205 | 220 | 250 | 620  | 430 | 35 | 215 | 330              | 28 |
| 8          | 200                   | 730  | 190   | 205 | 220 | 250 | 725  | 430 | 35 | 275 | 330              | 28 |
| 9          | 200                   | 805  | 220   | 275 | 250 | 330 | 740  | 490 | 40 | 260 | 370              | 36 |
| 10         | 200                   | 855  | 220   | 275 | 250 | 330 | 840  | 490 | 40 | 310 | 370              | 36 |
| 11         | 200                   | 980  | 265   | 275 | 300 | 340 | 875  | 600 | 50 | 295 | 440              | 40 |
| 12         | 200                   | 1050 | 265   | 275 | 300 | 340 | 1030 | 600 | 50 | 380 | 440              | 40 |

| 规格<br>Size | 尺寸 mm Dimension in mm |                |                |                   |                |                |                |                |                | 润滑油 Lubrication                |                                   | 重量<br>Weighty<br>(kg) |
|------------|-----------------------|----------------|----------------|-------------------|----------------|----------------|----------------|----------------|----------------|--------------------------------|-----------------------------------|-----------------------|
|            | 输出轴 Output shaft      |                |                |                   |                |                |                |                |                | 浸油润滑<br>Dip labrication<br>(l) | 强制润滑<br>Forced labrication<br>(l) |                       |
|            | YFB2SV                |                |                | YFB2HV            |                | YFB2DV         |                |                |                |                                |                                   |                       |
|            | d <sub>2</sub> 1)     | G <sub>2</sub> | l <sub>2</sub> | D <sub>2</sub> 2) | G <sub>4</sub> | D <sub>3</sub> | D <sub>4</sub> | G <sub>4</sub> | G <sub>5</sub> |                                |                                   |                       |
| 1          | 45                    | 120            | 80             | —                 | —              | —              | —              | —              | —              | 7                              | —                                 | 65                    |
| 2          | 55                    | 135            | 110            | 55                | 135            | 60             | 60             | 135            | 180            | 11                             | —                                 | 90                    |
| 3          | 65                    | 145            | 140            | 65                | 145            | 70             | 70             | 145            | 200            | 16                             | —                                 | 140                   |
| 4          | 80                    | 170            | 170            | 80                | 170            | 85             | 85             | 170            | 235            | 28                             | —                                 | 235                   |
| 5          | 100                   | 200            | 210            | 95                | 200            | 100            | 100            | 200            | 275            | 41                             | 20                                | 360                   |
| 6          | 110                   | 200            | 210            | 105               | 200            | 110            | 110            | 200            | 275            | 50                             | 23                                | 410                   |
| 7          | 120                   | 235            | 210            | 115               | 235            | 120            | 120            | 235            | 320            | 75                             | 35                                | 615                   |
| 8          | 130                   | 235            | 250            | 125               | 235            | 130            | 130            | 235            | 325            | 90                             | 38                                | 700                   |
| 9          | 140                   | 270            | 250            | 135               | 270            | 140            | 145            | 270            | 365            | 115                            | 53                                | 1000                  |
| 10         | 160                   | 270            | 300            | 150               | 270            | 150            | 155            | 270            | 385            | 135                            | 60                                | 1155                  |
| 11         | 170                   | 320            | 300            | 165               | 320            | 165            | 170            | 320            | 450            | 190                            | 86                                | 1640                  |
| 12         | 180                   | 320            | 300            | 180               | 320            | 180            | 185            | 320            | 455            | 215                            | 95                                | 1910                  |

直交轴齿轮箱 Gevel-helical Gear Units  
 二级传动 Two stage  
 立式安装 Vertical  
 类型 YFB2.V Type YFB2.V  
 规格 13...18 sizes 13...18

### YFB2SV YFB2HV YFB2DV

采用强制润滑  
 With forced lubrication



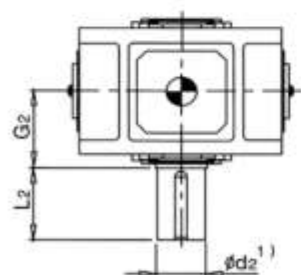
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#### ★ 输出轴 Output Shaft

#### 布置形式 Design

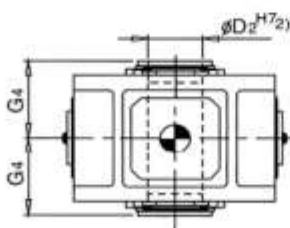
##### YFB2SV

实心轴 Solid shaft



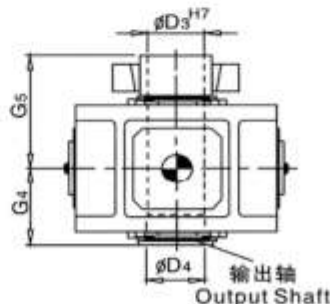
##### YFB2HV

空心轴 Hollow shaft

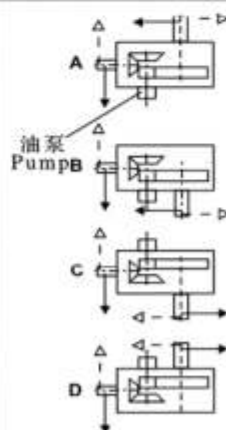


##### YFB2DV

带胀紧盘的空心轴  
 Hollow shaft for shrink disk



布置形式 A+D 根据用户要求供货  
 Design A&D on request



1)  $m_6 \leq \varnothing 100$   $n_6 > \varnothing 100$

有关平键和中心孔, 参见第5页

2) 键槽 GB/T1095-1979

3) 扭力支撑位于工作机侧

4) 有关油泵、油管的护盖的安装空间及确切尺寸, 请与我们联系

1)  $m_6 \leq \varnothing 100$   $n_6 > \varnothing 100$

For Parallel key and for centre hole, see page 5

2) Keyway GB/T1095-1979

3) Torque support on driven machine side

4) Space for pump, pipes and cover;

For exact dimensions, please to us.

直交轴齿轮箱 Bevel-helical Gear Units

二级传动 Two stage

立式安装 Vertical

类型 YFB2.V Type YFB2.V

规格 13...18 sizes 13...18

| 規 格<br>Size | 尺寸 mm Dimension sin mm |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |      |      |
|-------------|------------------------|-----|-----|------------------|-----|-----|------------------|-----|-----|------------------|-----|-----|------------------|-----|-----|------|------|
|             | 輸入軸 Input shaft        |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |      |      |
|             | iN=5-11.2              |     |     | iN=5.6-11.2      |     |     | iN=5.6-12.5      |     |     | iN=6.3-14        |     |     | iN=7.1-12.5      |     |     | G1   | G3   |
|             | d1 <sup>1)</sup>       | l1  | l3  | d1 <sup>1)</sup> | l1  | l3  | d1 <sup>1)</sup> | l1  | l3  | d1 <sup>1)</sup> | l1  | l3  | d1 <sup>1)</sup> | l1  | l3  |      |      |
| 13          | 110                    | 205 | 165 |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 1070 | 1110 |
| 14          |                        |     |     |                  |     |     |                  |     |     | 110              | 205 | 165 |                  |     |     | 1140 | 1180 |
| 15          | 130                    | 245 | 200 |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 1277 | 1322 |
| 16          |                        |     |     |                  |     |     | 130              | 245 | 200 |                  |     |     |                  |     |     | 1323 | 1368 |
| 17          |                        |     |     | 150              | 245 | 200 |                  |     |     |                  |     |     |                  |     |     | 1435 | 1480 |
| 18          |                        |     |     |                  |     |     |                  |     |     |                  |     |     | 150              | 245 | 200 | 1495 | 1540 |

| 规格<br>Size | 尺寸 mm Dimension in mm |     |      |     |      |     |     |     |    |     |
|------------|-----------------------|-----|------|-----|------|-----|-----|-----|----|-----|
|            | 齿轮箱 Gear housing      |     |      |     |      |     |     |     |    |     |
|            | a                     | A1  | b    | B1  | c    | d6  | e3  | E   | f2 | f3  |
| 13         | 1130                  | 375 | 900  | 450 | 61±2 | 245 | 380 | 370 | 38 | 200 |
| 14         | 1270                  | 375 | 900  | 450 | 61±2 | 245 | 380 | 440 | 45 | 200 |
| 15         | 1350                  | 435 | 980  | 495 | 72±2 | 280 | 450 | 442 | 75 | 200 |
| 16         | 1440                  | 435 | 980  | 495 | 72±2 | 280 | 450 | 488 | 75 | 200 |
| 17         | 1490                  | 505 | 1110 | 555 | 81±2 | 380 | 510 | 490 | 98 | 200 |
| 18         | 1610                  | 505 | 1110 | 555 | 81±2 | 380 | 510 | 550 | 98 | 200 |

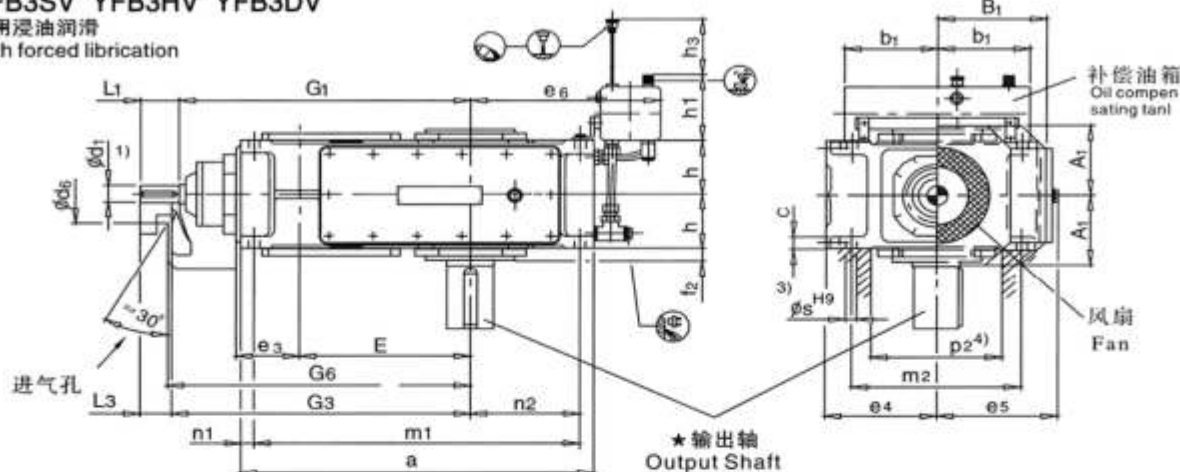
| 规格<br>Size | 尺寸 mm Dimension sin mm |       |     |      |     |    |     |       |    |
|------------|------------------------|-------|-----|------|-----|----|-----|-------|----|
|            | 齿轮箱 Gear housing       |       |     |      |     |    |     |       |    |
|            | G6                     | h     | h2  | m1   | m2  | n1 | n2  | p2 4) | s  |
| 13         | 1130                   | 325   | 350 | 1035 | 680 | 50 | 360 | 500   | 48 |
| 14         | 1200                   | 325   | 350 | 1175 | 680 | 50 | 430 | 500   | 48 |
| 15         | 1340                   | 380   | 430 | 1235 | 750 | 60 | 430 | 570   | 55 |
| 16         | 1385                   | 380   | 430 | 1325 | 750 | 60 | 475 | 570   | 55 |
| 17         | 1500                   | 437.5 | 480 | 1360 | 840 | 70 | 465 | 630   | 65 |
| 18         | 1560                   | 437.5 | 480 | 1480 | 840 | 70 | 525 | 630   | 65 |

| 规格<br>Size | 尺寸 mm    Dimension sin mm |     |     |                   |     |        |     |     |     | 润滑油<br>Lubrication<br>(l) | 重量<br>Weight<br>(kg) |
|------------|---------------------------|-----|-----|-------------------|-----|--------|-----|-----|-----|---------------------------|----------------------|
|            | 输出轴    Output shaft       |     |     |                   |     |        |     |     |     |                           |                      |
|            | YFB2SV                    |     |     | YFB2HV            |     | YFB2DV |     |     |     |                           |                      |
|            | d <sub>2</sub> 1)         | G2  | l2  | D <sub>2</sub> 2) | G4  | D3     | D4  | G4  | G5  |                           |                      |
| 13         | 200                       | 390 | 350 | —                 | —   | —      | —   | —   | —   | 100                       | 2350                 |
| 14         | 210                       | 390 | 350 | 210               | 390 | 210    | 215 | 390 | 535 | 110                       | 2725                 |
| 15         | 230                       | 460 | 410 | —                 | —   | —      | —   | —   | —   | 145                       | 3795                 |
| 16         | 240                       | 460 | 410 | 240               | 450 | 240    | 245 | 450 | 620 | 160                       | 4160                 |
| 17         | 250                       | 540 | 410 | —                 | —   | —      | —   | —   | —   | 210                       | 5320                 |
| 18         | 270                       | 540 | 470 | 275               | 510 | 280    | 285 | 510 | 700 | 220                       | 5860                 |

直交轴齿轮箱 Bevel-helical Gear Units  
 三级传动 Three stage  
 立式安装 Vertical  
 类型 YFB3.V Type YFB3.V  
 规格 3...12 sizes 3...12

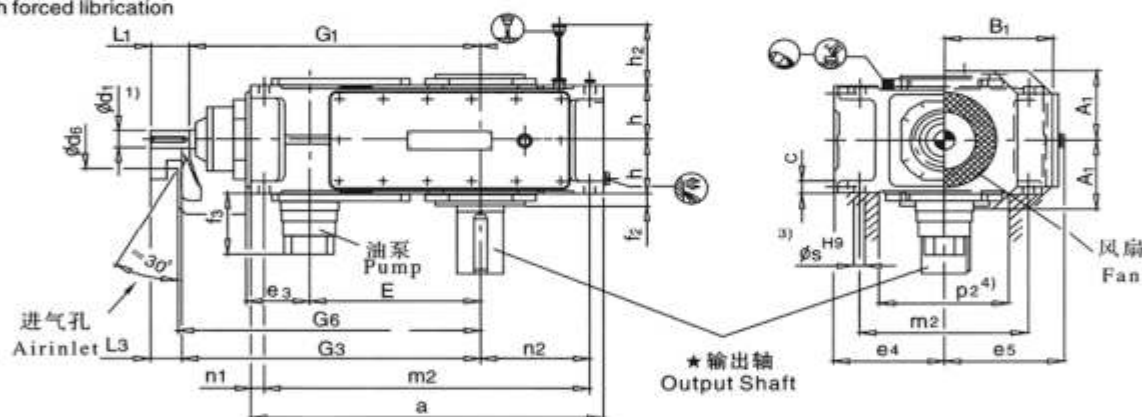
### YFB3SV YFB3HV YFB3DV

采用浸油润滑  
 With forced lubrication



### YFB3SV YFB3HV YFB3DV

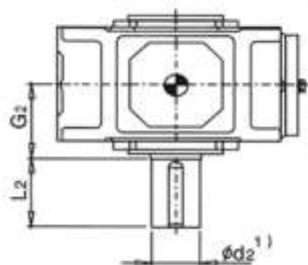
采用强制润滑  
 With forced lubrication



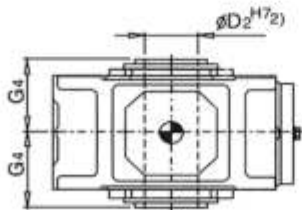
★ 输出轴  
 Output Shaft

布置形式 Design

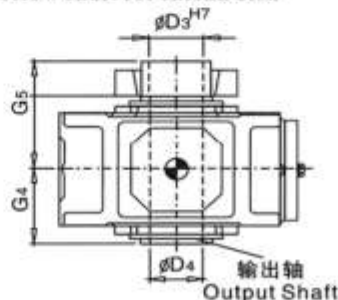
YFB3SV  
 实心轴 Solid shaft



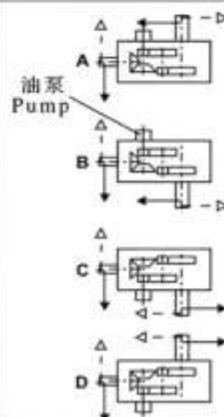
YFB3HV  
 空心轴 Hollow shaft



YFB3DV  
 带胀紧盘的空心轴  
 Hollow shaft for shrink disk



布置形式 A+D 根据用户要求供货  
 Design A&D on request



1)  $m_6 \leq \varnothing 25$   $\varnothing 28 \geq n_6 \leq \varnothing 100$   $n_6 > \varnothing 100$

有关平键和中心孔, 参见第5页

2) 键槽 GB/T1095-1979

3) 扭力支撑位于工作侧

4) 有关油泵、油管的护盖的安装空间及确切尺寸, 请与我们联系

1)  $m_6 \leq \varnothing 100$   $n_6 > \varnothing 100$

For Parallel key and for centre hole, see page 5

2) Keyway GB/T1095-1979

3) Torque support on driven machine side

4) Space for pump, pipes and cover;

For exact dimensions, please to us.

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二级传动 Two stage

立式安装 Vertical

类型 YFB3.V Type YFB3.V

规格 3...12 sizes 3...12

| 规格<br>Size | 尺寸 mm Dimension in mm |     |     |          |     |     |          |    |    |          |     |    |          |     |    |      |      |
|------------|-----------------------|-----|-----|----------|-----|-----|----------|----|----|----------|-----|----|----------|-----|----|------|------|
|            | 输入轴 Input shaft       |     |     |          |     |     |          |    |    |          |     |    |          |     |    |      |      |
|            | iN=12.5-45            |     |     | iN=10-50 |     |     | iN=20-45 |    |    | iN=50-71 |     |    | iN=63-90 |     |    | G1   | G3   |
|            | d1 1)                 | l1  | l3  | d1 1)    | l1  | l3  | d1 1)    | l1 | l3 | d1 1)    | l1  | l3 | d1 1)    | l1  | l3 |      |      |
| 3          |                       |     |     |          |     |     | 28       | 55 | 40 | 20       | 50  | 35 |          |     |    | 430  | 445  |
| 4          | 30                    | 70  | 50  |          |     |     |          |    |    | 25       | 60  | 40 |          |     |    | 500  | 520  |
| 5          | 35                    | 80  | 60  |          |     |     |          |    |    | 28       | 60  | 40 |          |     |    | 575  | 595  |
| 6          |                       |     |     | 35       | 80  | 60  |          |    |    |          |     |    | 28       | 60  | 40 | 610  | 630  |
| 7          | 45                    | 100 | 80  |          |     |     |          |    |    | 35       | 80  | 60 |          |     |    | 690  | 710  |
| 8          |                       |     |     | 45       | 100 | 80  |          |    |    |          |     |    | 35       | 80  | 60 | 735  | 755  |
| 9          | 55                    | 110 | 80  |          |     |     |          |    |    | 40       | 100 | 70 |          |     |    | 800  | 830  |
| 10         |                       |     |     | 55       | 110 | 80  |          |    |    |          |     |    | 40       | 100 | 70 | 850  | 880  |
| 11         | 70                    | 135 | 105 |          |     |     |          |    |    | 50       | 110 | 80 |          |     |    | 960  | 990  |
| 12         |                       |     |     | 70       | 135 | 105 |          |    |    |          |     |    | 50       | 110 | 80 | 1030 | 1060 |

| 规格<br>Size | 尺寸 mm Dimension sin mm |     |     |     |        |     |     |     |     |     |     |    |
|------------|------------------------|-----|-----|-----|--------|-----|-----|-----|-----|-----|-----|----|
|            | 齿轮箱 Gear housing       |     |     |     |        |     |     |     |     |     |     |    |
|            | a                      | A1  | b1  | B1  | c      | d6  | e3  | e4  | e5  | e6  | E   | f2 |
| 3          | 450                    | 128 | 150 | 170 | 24±1   | 90  | 90  | 175 | 185 | 290 | 220 | 20 |
| 4          | 565                    | 143 | 150 | 200 | 30±1   | 110 | 110 | 200 | 215 | 320 | 270 | 22 |
| 5          | 640                    | 168 | 240 | 235 | 30±1   | 130 | 130 | 230 | 252 | 385 | 315 | 28 |
| 6          | 720                    | 168 | 240 | 235 | 30±1   | 130 | 130 | 230 | 252 | 425 | 350 | 28 |
| 7          | 785                    | 193 | 240 | 275 | 36±1   | 160 | 160 | 280 | 292 | 425 | 385 | 30 |
| 8          | 890                    | 193 | 240 | 275 | 36±1   | 165 | 160 | 280 | 302 | 485 | 430 | 32 |
| 9          | 925                    | 231 | 330 | 325 | 45±1.5 | 175 | 185 | 320 | 342 | 560 | 450 | 32 |
| 10         | 1025                   | 231 | 330 | 325 | 45±1.5 | 175 | 185 | 320 | 342 | 610 | 500 | 32 |
| 11         | 1105                   | 263 | 330 | 385 | 54±1.5 | 190 | 225 | 380 | 402 | 595 | 545 | 35 |
| 12         | 1260                   | 263 | 330 | 385 | 54±1.5 | 190 | 225 | 380 | 410 | 680 | 615 | 35 |

| 规格<br>Size | 尺寸 mm Dimension in mm |      |       |     |     |     |      |     |    |     |       |    |
|------------|-----------------------|------|-------|-----|-----|-----|------|-----|----|-----|-------|----|
|            | 齿轮箱 Gear housing      |      |       |     |     |     |      |     |    |     |       |    |
|            | t3                    | G6   | h     | h1  | h2  | h3  | m1   | m2  | n1 | n2  | p2 4) | s  |
| 3          | —                     | 455  | 95    | 165 | —   | 180 | 410  | 265 | 20 | 125 | 210   | 18 |
| 4          | —                     | 530  | 107.5 | 165 | —   | 180 | 505  | 300 | 30 | 160 | 220   | 24 |
| 5          | 190                   | 605  | 127.5 | 205 | 180 | 240 | 580  | 360 | 30 | 175 | 270   | 24 |
| 6          | 190                   | 640  | 127.5 | 205 | 180 | 240 | 660  | 360 | 30 | 220 | 270   | 24 |
| 7          | 190                   | 720  | 150   | 205 | 165 | 250 | 715  | 430 | 35 | 215 | 330   | 28 |
| 8          | 190                   | 765  | 150   | 205 | 165 | 250 | 820  | 430 | 35 | 275 | 330   | 28 |
| 9          | 180                   | 845  | 185   | 275 | 205 | 330 | 845  | 490 | 40 | 260 | 370   | 36 |
| 10         | 180                   | 895  | 185   | 275 | 205 | 330 | 945  | 490 | 40 | 310 | 370   | 36 |
| 11         | 180                   | 1010 | 215   | 275 | 240 | 340 | 1005 | 600 | 50 | 295 | 440   | 40 |
| 12         | 180                   | 1080 | 215   | 275 | 240 | 340 | 1160 | 600 | 50 | 380 | 440   | 40 |

| 规格<br>Size | 尺寸 mm Dimension in mm        |                |                |                              |                |                |                |                |                | 润滑油 Lubrication                |                                   | 重量<br>Weighty<br>(kg) |
|------------|------------------------------|----------------|----------------|------------------------------|----------------|----------------|----------------|----------------|----------------|--------------------------------|-----------------------------------|-----------------------|
|            | 输出轴 Output shaft             |                |                |                              |                |                |                |                |                | 浸油润滑<br>Dip labrication<br>(l) | 强制润滑<br>Forced labrication<br>(l) |                       |
|            | YFB3SV                       |                |                | YFB3HV                       |                | YFB3DV         |                |                |                |                                |                                   |                       |
|            | d <sub>2</sub> <sup>1)</sup> | G <sub>2</sub> | l <sub>2</sub> | D <sub>2</sub> <sup>2)</sup> | G <sub>4</sub> | D <sub>3</sub> | D <sub>4</sub> | G <sub>4</sub> | G <sub>5</sub> |                                |                                   |                       |
| 3          | 65                           | 125            | 140            | 65                           | 125            | 70             | 70             | 125            | 180            | 15                             | —                                 | 130                   |
| 4          | 80                           | 140            | 170            | 80                           | 140            | 85             | 85             | 140            | 205            | 28                             | —                                 | 210                   |
| 5          | 100                          | 165            | 210            | 95                           | 165            | 100            | 100            | 165            | 240            | 32                             | 12                                | 325                   |
| 6          | 110                          | 165            | 210            | 105                          | 165            | 110            | 110            | 165            | 240            | 35                             | 13                                | 380                   |
| 7          | 120                          | 195            | 210            | 115                          | 195            | 120            | 120            | 195            | 280            | 52                             | 22                                | 550                   |
| 8          | 130                          | 195            | 250            | 125                          | 195            | 130            | 130            | 195            | 285            | 67                             | 28                                | 635                   |
| 9          | 140                          | 235            | 250            | 135                          | 235            | 140            | 145            | 235            | 330            | 115                            | 48                                | 890                   |
| 10         | 160                          | 235            | 300            | 150                          | 235            | 150            | 155            | 235            | 350            | 125                            | 53                                | 1020                  |
| 11         | 170                          | 270            | 300            | 165                          | 270            | 165            | 170            | 270            | 400            | 180                            | 75                                | 1455                  |
| 12         | 180                          | 270            | 300            | 180                          | 270            | 180            | 185            | 270            | 405            | 200                            | 85                                | 1730                  |

直交轴齿轮箱 Bevel-helical Gear Units

三级传动 Three stage

立式安装 Vertical

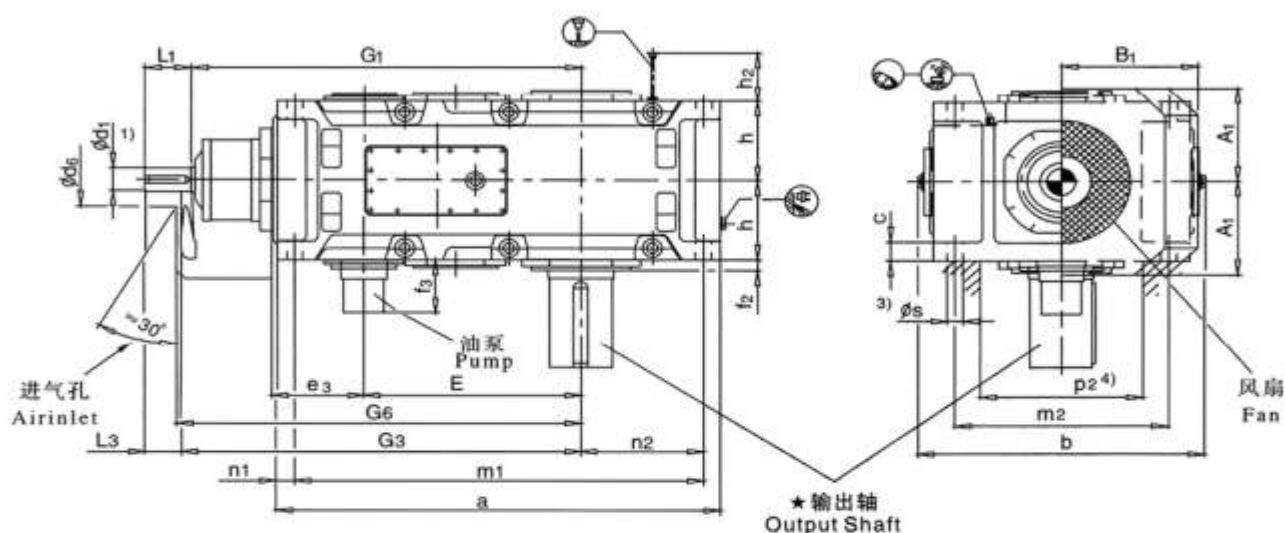
类型 YFB3.V Type YFB3.V

规格 13...18 sizes 13...18

### YFB3SV YFB3HV YFB3DV

采用强制润滑

With forced lubrication

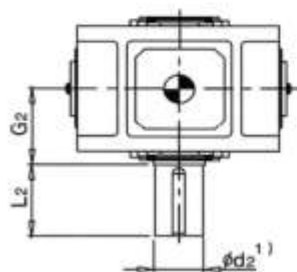


#### ★输出轴 Output Shaft

#### 布置形式 Design

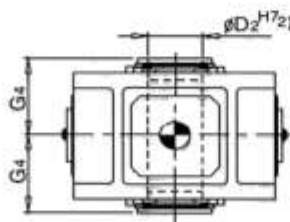
#### YFB3SV

实心轴 Solid shaft



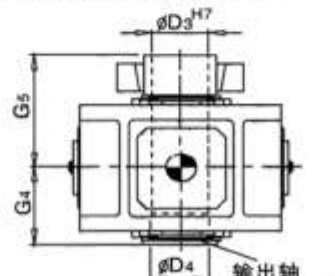
#### YFB3HV

空心轴 Hollow shaft

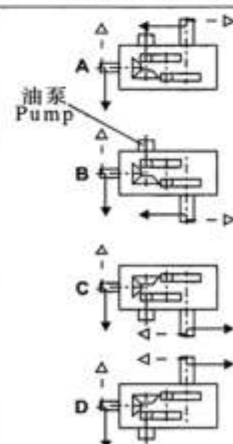


#### YFB3DV

带胀紧盘的空心轴  
Hollow shaft for shrink disk



布置形式 A + D 根据用户要求供货  
Design A&D on request



1)  $m_6 \leq \varnothing 100$   $n_6 > \varnothing 100$

有关平键和中心孔, 参见第5页

2) 键槽 GB/T1095-1979

3) 扭力支撑位于工作机侧

4) 有关油泵、油管的护盖的安装空间及确切尺寸, 请与我们联系

1)  $m_6 \leq \varnothing 100$   $n_6 > \varnothing 100$

For Parallel key and for centre hole, see page 5

2) Keyway GB/T1095-1979

3) Torque support on driven machine side

4) Space for pump, pipes and cover;  
For exact dimensions, please to us.

直交轴齿轮箱 Bevel-helical Gear Units

三级传动 Three stage

立式安装 Vertical

类型 YFB3.V Type YFB3.V

规格 13...18 sizes 13...18

| 规格<br>Size | 尺寸 mm    Dimension sin mm |     |     |          |     |     |          |     |     |                            |     |     |          |     |     |          |     |     |      |      |
|------------|---------------------------|-----|-----|----------|-----|-----|----------|-----|-----|----------------------------|-----|-----|----------|-----|-----|----------|-----|-----|------|------|
|            | 输入轴    Input shaft        |     |     |          |     |     |          |     |     |                            |     |     |          |     |     |          |     |     | G1   | G3   |
|            | iN=12.5-45                |     |     | iN=14-50 |     |     | iN=16-56 |     |     | iN=50-71                   |     |     | iN=56-80 |     |     | iN=63-90 |     |     |      |      |
|            | d1 1)                     | l1  | l3  | d1 1)    | l1  | l3  | d1 1)    | l1  | l3  | d1 1)                      | l1  | l3  | d1 1)    | l1  | l3  | d1 1)    | l1  | l3  |      |      |
| 13         | 80                        | 165 | 130 |          |     |     |          |     |     | 60                         | 140 | 105 |          |     |     |          |     |     | 1125 | 1160 |
| 14         |                           |     |     |          |     |     | 80       | 165 | 130 |                            |     |     |          |     |     | 60       | 140 | 105 | 1195 | 1230 |
| 15         | 90                        | 165 | 130 |          |     |     |          |     |     | 70                         | 140 | 105 |          |     |     |          |     |     | 1367 | 1402 |
| 16         |                           |     |     | 90       | 165 | 130 |          |     |     |                            |     |     | 70       | 140 | 105 |          |     |     | 1413 | 1448 |
| 17         | 110                       | 205 | 165 |          |     |     |          |     |     | 80                         | 170 | 130 |          |     |     |          |     |     | 1560 | 1600 |
| 18         |                           |     |     | 110      | 205 | 165 |          |     |     |                            |     |     | 80       | 170 | 130 |          |     |     | 1620 | 1660 |
| 19         |                           |     |     |          |     |     |          |     |     | 根据用户要求<br>供货<br>on request |     |     |          |     |     |          |     |     |      |      |
| 20         |                           |     |     |          |     |     |          |     |     |                            |     |     |          |     |     |          |     |     |      |      |
| 21         |                           |     |     |          |     |     |          |     |     |                            |     |     |          |     |     |          |     |     |      |      |
| 22         |                           |     |     |          |     |     |          |     |     |                            |     |     |          |     |     |          |     |     |      |      |

| 规格<br>Size | 尺寸 mm Dimension in mm |     |      |     |                            |     |     |     |    |     |  |  |
|------------|-----------------------|-----|------|-----|----------------------------|-----|-----|-----|----|-----|--|--|
|            | 齿轮箱 Gear housing      |     |      |     |                            |     |     |     |    |     |  |  |
|            | a                     | A1  | b    | B1  | c                          | d6  | e3  | E   | f2 | f3  |  |  |
|            |                       |     |      |     |                            |     |     |     |    |     |  |  |
| 13         | 1290                  | 325 | 900  | 475 | 61±2                       | 210 | 265 | 635 | 35 | 170 |  |  |
| 14         | 1430                  | 325 | 900  | 475 | 61±2                       | 210 | 265 | 705 | 35 | 170 |  |  |
| 15         | 1550                  | 365 | 980  | 520 | 72±2                       | 210 | 320 | 762 | 42 | 170 |  |  |
| 16         | 1640                  | 365 | 980  | 520 | 72±2                       | 210 | 320 | 808 | 42 | 170 |  |  |
| 17         | 1740                  | 395 | 1110 | 570 | 81±2                       | 230 | 370 | 860 | 42 | 170 |  |  |
| 18         | 1860                  | 395 | 1110 | 570 | 81±2                       | 230 | 370 | 920 | 42 | 170 |  |  |
| 19         |                       |     |      |     | 根据用户要求<br>供货<br>on request |     |     |     |    |     |  |  |
| 20         |                       |     |      |     |                            |     |     |     |    |     |  |  |
| 21         |                       |     |      |     |                            |     |     |     |    |     |  |  |
| 22         |                       |     |      |     |                            |     |     |     |    |     |  |  |

| 规格<br>Size | 尺寸 mm Dimension in mm |       |     |                            |     |    |     |       |    |  |
|------------|-----------------------|-------|-----|----------------------------|-----|----|-----|-------|----|--|
|            | 齿轮箱 Gear housing      |       |     |                            |     |    |     |       |    |  |
|            | G6                    | h     | h2  | m1                         | m2  | n1 | n2  | p2 4) | s  |  |
|            |                       |       |     |                            |     |    |     |       |    |  |
| 13         | 1180                  | 272.5 | 300 | 1195                       | 680 | 50 | 360 | 500   | 48 |  |
| 14         | 1250                  | 272.5 | 300 | 1335                       | 680 | 50 | 430 | 500   | 48 |  |
| 15         | 1420                  | 310   | 340 | 1435                       | 750 | 60 | 430 | 570   | 55 |  |
| 16         | 1470                  | 310   | 340 | 1525                       | 750 | 60 | 475 | 570   | 55 |  |
| 17         | 1620                  | 340   | 380 | 1610                       | 850 | 70 | 465 | 630   | 55 |  |
| 18         | 1680                  | 340   | 380 | 1730                       | 850 | 70 | 525 | 630   | 55 |  |
| 19         |                       |       |     | 根据用户要求<br>供货<br>on request |     |    |     |       |    |  |
| 20         |                       |       |     |                            |     |    |     |       |    |  |
| 21         |                       |       |     |                            |     |    |     |       |    |  |
| 22         |                       |       |     |                            |     |    |     |       |    |  |

| 规格<br>Size | 尺寸 mm Dimension in mm |     |                |                   |                            |        |     |     |     | 润滑油<br>Lubrication<br>(l) | 重量<br>Weighty<br>(kg) |
|------------|-----------------------|-----|----------------|-------------------|----------------------------|--------|-----|-----|-----|---------------------------|-----------------------|
|            | 输出轴 Output shaft      |     |                |                   |                            |        |     |     |     |                           |                       |
|            | YFB3SV                |     |                | YFB3HV            |                            | YFB3DV |     |     |     |                           |                       |
|            | d <sub>2</sub> 1)     | G2  | l <sub>2</sub> | D <sub>2</sub> 2) | G4                         | D3     | D4  | G4  | G5  |                           |                       |
| 13         | 200                   | 335 | 350            | 190               | 335                        | 190    | 195 | 335 | 480 | 95                        | 2260                  |
| 14         | 210                   | 335 | 350            | 210               | 335                        | 210    | 215 | 335 | 480 | 110                       | 2615                  |
| 15         | 230                   | 380 | 410            | 230               | 380                        | 230    | 235 | 380 | 550 | 165                       | 3540                  |
| 16         | 240                   | 380 | 410            | 240               | 380                        | 240    | 245 | 380 | 550 | 190                       | 3765                  |
| 17         | 250                   | 415 | 410            | 250               | 415                        | 250    | 260 | 415 | 600 | 210                       | 4760                  |
| 18         | 270                   | 415 | 470            | 275               | 415                        | 280    | 285 | 415 | 600 | 240                       | 5240                  |
| 19         |                       |     |                |                   | 根据用户要求<br>供货<br>on request |        |     |     |     |                           |                       |
| 20         |                       |     |                |                   |                            |        |     |     |     |                           |                       |
| 21         |                       |     |                |                   |                            |        |     |     |     |                           |                       |
| 22         |                       |     |                |                   |                            |        |     |     |     |                           |                       |

直交轴齿轮箱 Bevel-helical Gear Units

四级传动 Four stage

立式安装 Vertical

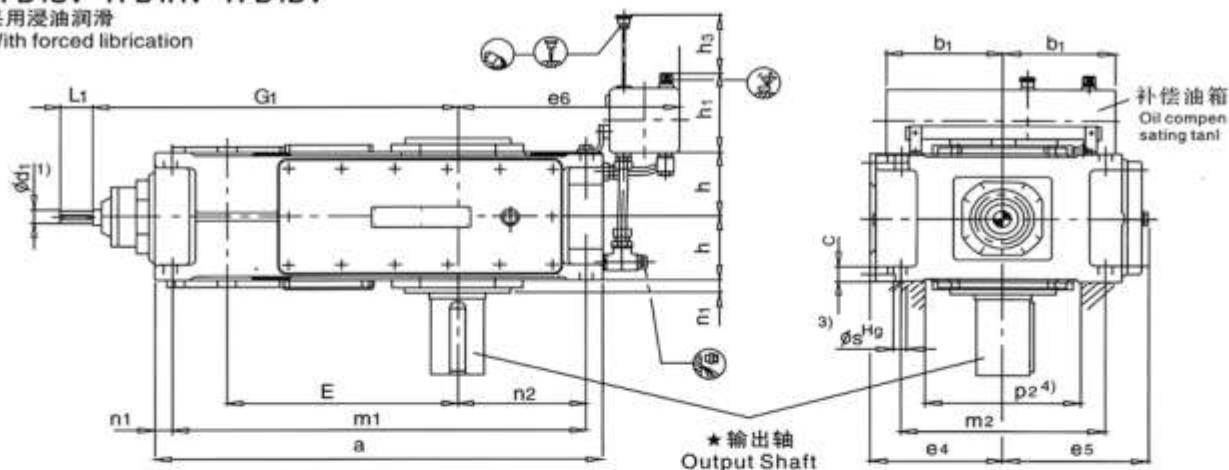
类型 YFB4.V Type YFB4.V

规格 5...12 sizes 5...12

YFB4SV YFB4HV YFB4DV

采用浸油润滑

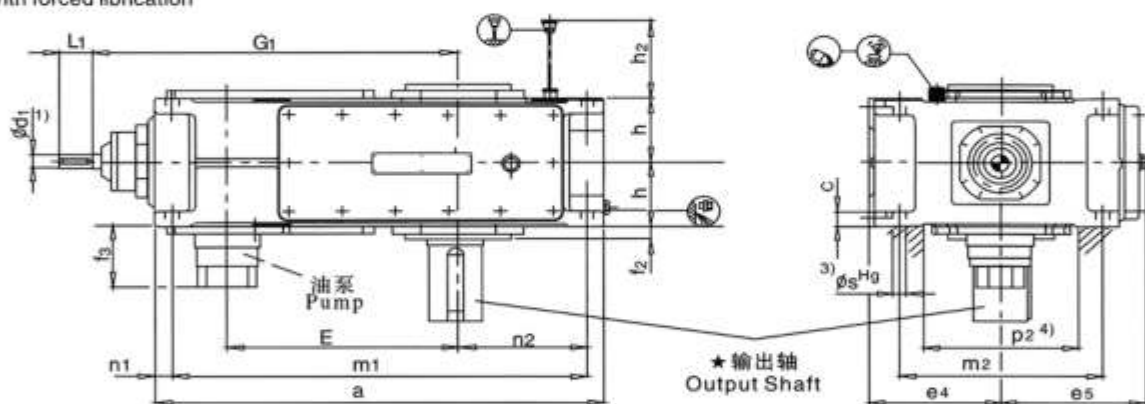
With forced lubrication

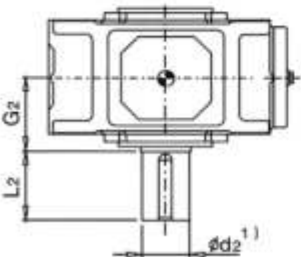
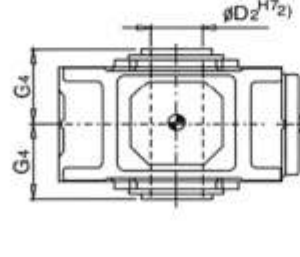
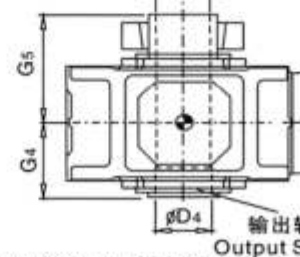
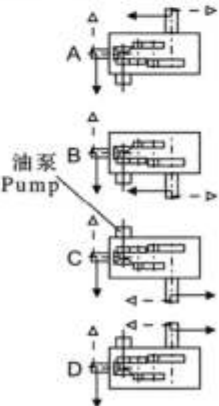


YFB4SV YFB4HV YFB4DV

采用强制润滑

With forced lubrication



| ★ 输出轴<br>Output Shaft                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                            |                                                                                                                                                   | 布置形式 Design                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>YFB4SV</b><br>实心轴 Solid shaft<br>                                                                        | <b>YFB4HV</b><br>空心轴 Hollow shaft<br>                                                                                                                                                                                   | <b>YFB4DV</b><br>带胀紧盘的空心轴<br>Hollow shaft for shrink disk<br> |  |
| 1) $k6 \leq \varnothing 25$ $\varnothing 28 \geq m6 \leq \varnothing 100$ $n6 > \varnothing 100$<br>有关平键和中心孔, 参见第5页<br>2) 键槽 GB/T1095-1979<br>3) 扭力支撑位于工作机侧<br>4) 有关油泵、油管的护盖的安装空间及确切尺寸, 请与我们联系 | 1) $k6 \leq \varnothing 24$ $\varnothing 26 \geq m6 \leq \varnothing 100$ $n6 > \varnothing 100$<br>For Parallel key and for centre hole, see page 5<br>2) Keyway GB/T1095-1979<br>3) Torque support on driven machine side<br>4) Space for pump, pipes and cover;<br>For exact dimensions, please use us. |                                                                                                                                                   |                                                                                       |

直交轴齿轮箱 Bevel-helical Gear Units

四级传动 Four stage

立式安装 Vertical

类型 YFB4.V Type YFB4.V

规格 5...12 sizes 5...12

| 规格<br>Size | 尺寸 mm Dimension in mm |     |            |     |            |    |            |    |      |
|------------|-----------------------|-----|------------|-----|------------|----|------------|----|------|
|            | 输入轴 Input shaft       |     |            |     |            |    |            |    |      |
|            | iN=80-180             |     | iN=100-224 |     | iN=200-315 |    | iN=250-400 |    | G1   |
|            | d1 1)                 | l1  | d1 1)      | l1  | d1 1)      | l1 | d1 1)      | l1 |      |
| 5          | 28                    | 55  |            |     | 20         | 50 |            |    | 615  |
| 6          |                       |     | 28         | 55  |            |    | 20         | 50 | 650  |
| 7          | 30                    | 70  |            |     | 25         | 60 |            |    | 725  |
| 8          |                       |     | 30         | 70  |            |    | 25         | 60 | 770  |
| 9          | 35                    | 80  |            |     | 28         | 60 |            |    | 840  |
| 10         |                       |     | 35         | 80  |            |    | 28         | 60 | 890  |
| 11         | 45                    | 100 |            |     | 35         | 80 |            |    | 1010 |
| 12         |                       |     | 45         | 100 |            |    | 35         | 80 | 1080 |

| 规格<br>Size | 尺寸 mm Dimension in mm |     |        |     |     |     |     |    |     |
|------------|-----------------------|-----|--------|-----|-----|-----|-----|----|-----|
|            | 齿轮箱 Gear housing      |     |        |     |     |     |     |    |     |
|            | a                     | b1  | c      | e4  | e5  | e6  | E   | f2 | f3  |
| 5          | 690                   | 240 | 30±1   | 230 | 252 | 385 | 405 | 28 | 200 |
| 6          | 770                   | 240 | 30±1   | 230 | 252 | 425 | 440 | 28 | 200 |
| 7          | 845                   | 240 | 36±1   | 280 | 292 | 425 | 495 | 30 | 120 |
| 8          | 950                   | 240 | 36±1   | 280 | 302 | 485 | 540 | 32 | 120 |
| 9          | 1000                  | 330 | 45±1.5 | 320 | 342 | 560 | 580 | 32 | 120 |
| 10         | 1100                  | 330 | 45±1.5 | 320 | 342 | 610 | 630 | 32 | 120 |
| 11         | 1200                  | 330 | 54±1.5 | 380 | 402 | 595 | 705 | 35 | 130 |
| 12         | 1355                  | 330 | 54±1.5 | 380 | 410 | 680 | 775 | 35 | 130 |

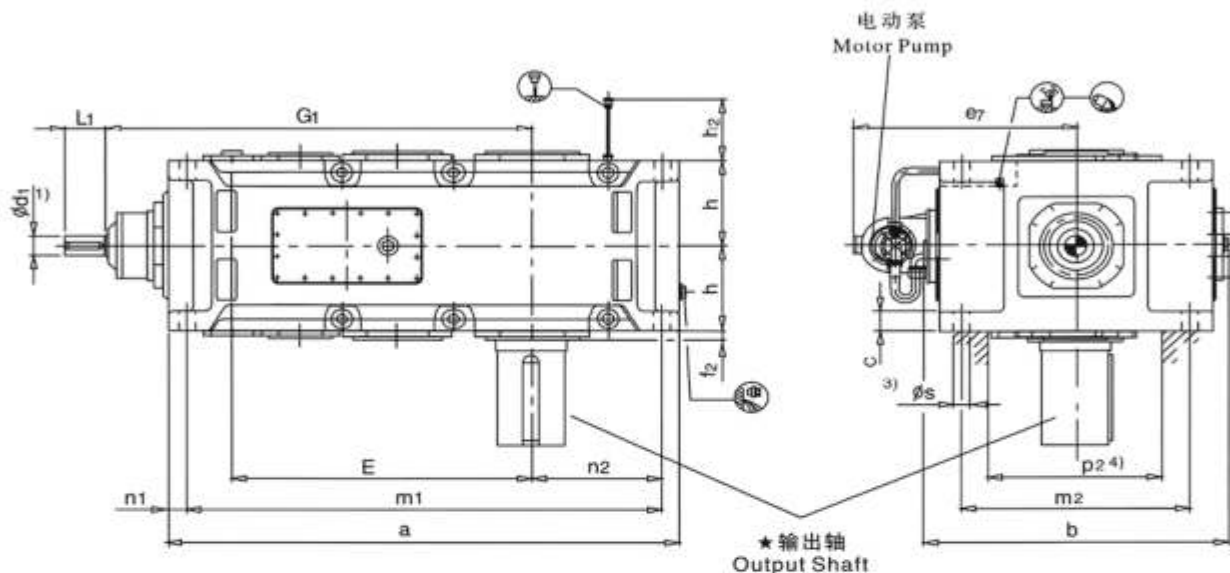
| 规格<br>Size | 尺寸 mm Dimension in mm |     |     |     |      |     |    |     |     |    |
|------------|-----------------------|-----|-----|-----|------|-----|----|-----|-----|----|
|            | 齿轮箱 Gear housing      |     |     |     |      |     |    |     |     |    |
|            | h                     | h1  | h2  | h3  | m1   | m2  | n1 | n2  | p2  | s  |
| 5          | 127.5                 | 205 | 190 | 240 | 630  | 360 | 30 | 175 | 270 | 24 |
| 6          | 127.5                 | 205 | 190 | 240 | 710  | 360 | 30 | 220 | 270 | 24 |
| 7          | 150                   | 205 | 165 | 250 | 775  | 430 | 35 | 215 | 330 | 28 |
| 8          | 150                   | 205 | 165 | 250 | 880  | 430 | 35 | 275 | 330 | 28 |
| 9          | 185                   | 275 | 205 | 330 | 920  | 490 | 40 | 260 | 370 | 36 |
| 10         | 182                   | 275 | 205 | 330 | 1020 | 490 | 40 | 310 | 370 | 36 |
| 11         | 215                   | 275 | 240 | 340 | 1100 | 600 | 50 | 295 | 440 | 40 |
| 12         | 215                   | 275 | 240 | 340 | 1255 | 600 | 50 | 380 | 440 | 40 |

| 规格<br>Size | 尺寸 mm Dimension sin mm |     |                |                   |     |        |     |     |     | 润滑油 Lubrication                |                                   | 重量<br>Weighy<br>(kg) |
|------------|------------------------|-----|----------------|-------------------|-----|--------|-----|-----|-----|--------------------------------|-----------------------------------|----------------------|
|            | 输出轴 Output shaft       |     |                |                   |     |        |     |     |     | 浸油润浸<br>Dip labrication<br>(I) | 强制润滑<br>Forced labrication<br>(I) |                      |
|            | YFB4SV                 |     |                | YFB4HV            |     | YFB4DV |     |     |     |                                |                                   |                      |
|            | d <sub>2</sub> 1)      | G2  | l <sub>2</sub> | D <sub>2</sub> 2) | G4  | D3     | D4  | G4  | G5  |                                |                                   |                      |
| 5          | 100                    | 165 | 210            | 95                | 165 | 100    | 100 | 165 | 240 | 36                             | 15                                | 335                  |
| 6          | 110                    | 165 | 210            | 105               | 165 | 110    | 110 | 165 | 240 | 40                             | 16                                | 385                  |
| 7          | 120                    | 195 | 210            | 115               | 195 | 120    | 120 | 195 | 280 | 60                             | 30                                | 555                  |
| 8          | 130                    | 195 | 250            | 125               | 195 | 130    | 130 | 195 | 285 | 70                             | 35                                | 655                  |
| 9          | 140                    | 235 | 250            | 135               | 235 | 140    | 145 | 235 | 330 | 110                            | 60                                | 890                  |
| 10         | 160                    | 235 | 300            | 150               | 235 | 150    | 155 | 235 | 350 | 130                            | 67                                | 1025                 |
| 11         | 170                    | 270 | 300            | 165               | 270 | 165    | 170 | 270 | 400 | 180                            | 75                                | 1485                 |
| 12         | 180                    | 270 | 300            | 180               | 270 | 180    | 185 | 270 | 405 | 195                            | 85                                | 1750                 |

直交轴齿轮箱 Bevel-helical Gear Units  
四级传动 Four stage  
立式安装 Vertical  
类型 YFB4.V Type YFB4.V  
规格 13...18 sizes 13...18

### YFB4SV YFB4HV YFB4DV

采用强制润滑  
With forced lubrication



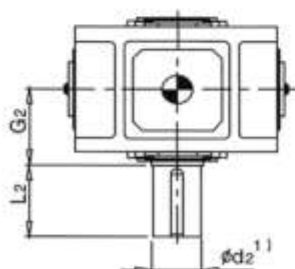
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#### ★ 输出轴 Output Shaft

#### 布置形式 Design

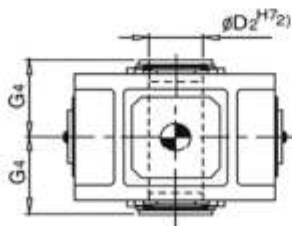
##### YFB4SV

实心轴 Solid shaft



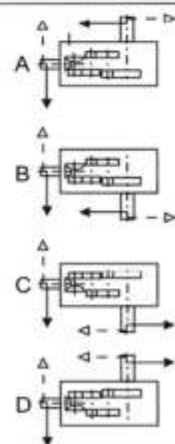
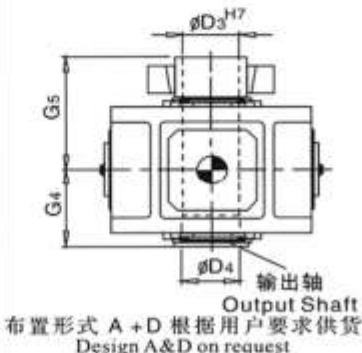
##### YFB4HV

空心轴 Hollow shaft



##### YFB4DV

带胀紧盘的  
Hollow shaft for shrink disk



1) k6  $\varnothing 100$  n6  $> \varnothing 100$

有关平键和中心孔, 参见第5页

2) 键槽 GB/T1095-1979

3) 扭力支撑位于工作机侧

4) 有关油泵、油管的护盖的安装空间及确切尺寸, 请与我们联系

1) k6  $\leq \varnothing 24$   $\varnothing 26 \geq m6 \leq \varnothing 100$  n6  $> \varnothing 100$   
For Parallel key and for centre hole, see page 5

2) Keyway GB/T1095-1979

3) Torque support on driven machine side

4) Space for pump, pipes and cover;  
For exact dimensions, please to us.

直交轴齿轮箱 Bevel-helical Gear Units

四级传动 Four stage

立式安装 Vertical

类型 YFB4.V Type YFB4.V

规格 13...18 sizes 13...18

| 规格<br>Size | 尺寸 mm Dimension in mm |       |              |       |               |       |                            |       |               |       |               |       |       |
|------------|-----------------------|-------|--------------|-------|---------------|-------|----------------------------|-------|---------------|-------|---------------|-------|-------|
|            | 输入轴 Input shaft       |       |              |       |               |       |                            |       |               |       |               |       |       |
|            | $i_N=80-180$          |       | $i_N=90-200$ |       | $i_N=100-224$ |       | $i_N=200-315$              |       | $i_N=224-355$ |       | $i_N=250-400$ |       | $G_1$ |
|            | $d_1^{1)}$            | $l_1$ | $d_1^{1)}$   | $l_1$ | $d_1^{1)}$    | $l_1$ | $d_1^{1)}$                 | $l_1$ | $d_1^{1)}$    | $l_1$ | $d_1^{1)}$    | $l_1$ |       |
| 13         | 55                    | 110   |              |       |               |       | 40                         | 100   |               |       |               |       | 1170  |
| 14         |                       |       |              |       | 55            | 110   |                            |       |               |       | 40            | 100   | 1240  |
| 15         | 70                    | 135   |              |       |               |       | 50                         | 110   |               |       |               |       | 1402  |
| 16         |                       |       | 70           | 135   |               |       |                            |       | 50            | 110   |               |       | 1448  |
| 17         | 70                    | 135   |              |       |               |       | 50                         | 110   |               |       |               |       | 1450  |
| 18         |                       |       | 70           | 135   |               |       |                            |       | 50            | 110   |               |       | 1510  |
| 19         |                       |       |              |       |               |       | 根据用户要求<br>供货<br>on request |       |               |       |               |       |       |
| 20         |                       |       |              |       |               |       |                            |       |               |       |               |       |       |
| 21         |                       |       |              |       |               |       |                            |       |               |       |               |       |       |
| 22         |                       |       |              |       |               |       |                            |       |               |       |               |       |       |

| 规格<br>Size | 尺寸 mm    Dimension sin mm |      |         |                |      |                |                            |                |                |                |                |                |                |    |
|------------|---------------------------|------|---------|----------------|------|----------------|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----|
|            | 齿轮箱    Gear housing       |      |         |                |      |                |                            |                |                |                |                |                |                |    |
|            | a                         | b    | c       | e <sub>7</sub> | E    | f <sub>2</sub> | h                          | h <sub>2</sub> | m <sub>1</sub> | m <sub>2</sub> | n <sub>1</sub> | n <sub>2</sub> | p <sub>2</sub> | s  |
| 13         | 1395                      | 900  | 6 1 ± 2 | 695            | 820  | 35             | 272.5                      | 300            | 1300           | 680            | 50             | 360            | 500            | 48 |
| 14         | 1535                      | 900  | 6 1 ± 2 | 695            | 890  | 35             | 272.5                      | 300            | 1440           | 680            | 50             | 430            | 500            | 48 |
| 15         | 1680                      | 980  | 7 2 ± 2 | 735            | 987  | 42             | 310                        | 340            | 1565           | 750            | 60             | 430            | 570            | 55 |
| 16         | 1770                      | 980  | 7 2 ± 2 | 735            | 1033 | 42             | 310                        | 340            | 1655           | 750            | 60             | 475            | 570            | 55 |
| 17         | 1770                      | 1110 | 8 1 ± 2 | 795            | 1035 | 42             | 340                        | 374            | 1640           | 850            | 70             | 465            | 630            | 55 |
| 18         | 1890                      | 1110 | 8 1 ± 2 | 795            | 1095 | 42             | 340                        | 374            | 1760           | 850            | 70             | 525            | 630            | 55 |
| 19         |                           |      |         |                |      |                | 根据用户要求<br>供货<br>on request |                |                |                |                |                |                |    |
| 20         |                           |      |         |                |      |                |                            |                |                |                |                |                |                |    |
| 21         |                           |      |         |                |      |                |                            |                |                |                |                |                |                |    |
| 22         |                           |      |         |                |      |                |                            |                |                |                |                |                |                |    |

| 规格<br>Size | 尺寸 mm Dimension sin mm       |                |                |                              |                            |                |                |                |                | 润滑油<br>Lubrication<br><br>II) | 重量<br>Weighy<br>(kg) |
|------------|------------------------------|----------------|----------------|------------------------------|----------------------------|----------------|----------------|----------------|----------------|-------------------------------|----------------------|
|            | 输出轴 Output shaft             |                |                |                              |                            |                |                |                |                |                               |                      |
|            | YFB4SV                       |                |                | YFB4HV                       |                            | YFB4DV         |                |                |                |                               |                      |
|            | d <sub>2</sub> <sup>1)</sup> | G <sub>2</sub> | l <sub>2</sub> | D <sub>2</sub> <sup>2)</sup> | G <sub>4</sub>             | D <sub>3</sub> | D <sub>4</sub> | G <sub>4</sub> | G <sub>5</sub> |                               |                      |
| 13         | 200                          | 335            | 350            | 190                          | 335                        | 190            | 195            | 335            | 480            | 130                           | 2280                 |
| 14         | 210                          | 335            | 350            | 210                          | 335                        | 210            | 215            | 335            | 480            | 150                           | 2605                 |
| 15         | 230                          | 380            | 410            | 230                          | 380                        | 230            | 235            | 380            | 550            | 200                           | 3435                 |
| 16         | 240                          | 380            | 410            | 240                          | 380                        | 240            | 245            | 380            | 550            | 235                           | 3765                 |
| 17         | 250                          | 415            | 410            | 250                          | 415                        | 250            | 260            | 415            | 600            | 215                           | 4460                 |
| 18         | 270                          | 415            | 470            | 275                          | 415                        | 280            | 285            | 415            | 600            | 250                           | 4930                 |
| 19         |                              |                |                |                              | 根据用户要求<br>供货<br>on request |                |                |                |                |                               |                      |
| 20         |                              |                |                |                              |                            |                |                |                |                |                               |                      |
| 21         |                              |                |                |                              |                            |                |                |                |                |                               |                      |
| 22         |                              |                |                |                              |                            |                |                |                |                |                               |                      |

## 帶脹緊盤联接的空心轴

类型 YFH2, YFH3, YFH4, YFB3, YFB4

规格 2...26

Hollow shaft for shrink Disks

Types YFH2, YFH3, YFH4, YFB3, YFB4

sizes 2...26

X= 要求预留的力矩扳手空间

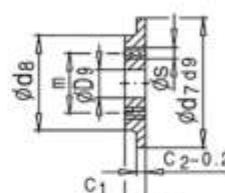
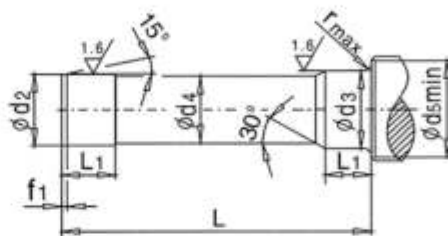
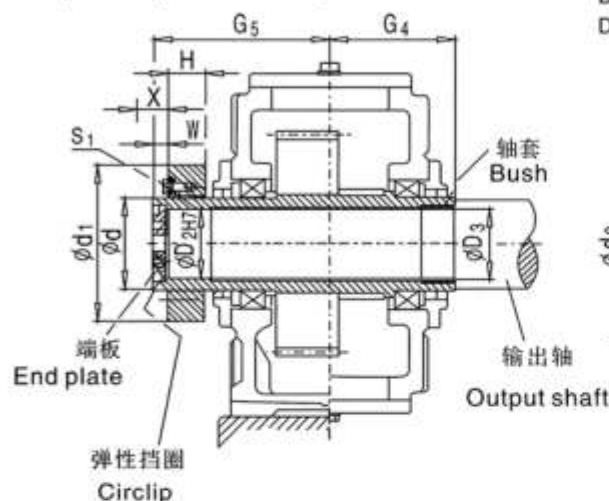
X= Space required for torque wrench

用于胀紧盘联接的工作机驱动轴

工作机驱动轴表面不得沾有有机油或润滑脂。

Driven machine shaft for shrink connection

Driven machine shaft must be free of oil or grease



端板  
End plate

| 类型 YFH2D、YFH3D、YFH4D、YFB3D、YFB4D  |                                              |                |                |                |                |      |                |   |                 |                |                |                |                |     |      |           | Types YFH2D、YFH3D、YFH4D、YFB3D、YFB4D |                |                     |                |                |          |                    |                |     |    |                |             |  |  |  |  |  |
|-----------------------------------|----------------------------------------------|----------------|----------------|----------------|----------------|------|----------------|---|-----------------|----------------|----------------|----------------|----------------|-----|------|-----------|-------------------------------------|----------------|---------------------|----------------|----------------|----------|--------------------|----------------|-----|----|----------------|-------------|--|--|--|--|--|
| 齿轮箱<br>规格<br>Gear<br>unit<br>size | 工作机驱动轴 <sup>2)</sup><br>Driven machine shaft |                |                |                |                |      |                |   | 端板<br>End plate |                |                |                |                |     |      |           | 弹性<br>挡圈<br>Circlip                 |                | 空心轴<br>Hollow shaft |                |                |          | 胀紧盘<br>Shrink disk |                |     |    |                | 螺钉<br>Screw |  |  |  |  |  |
|                                   | d <sub>2</sub>                               | d <sub>3</sub> | d <sub>4</sub> | d <sub>5</sub> | f <sub>1</sub> | l    | l <sub>1</sub> | r | c <sub>1</sub>  | c <sub>2</sub> | d <sub>7</sub> | d <sub>8</sub> | D <sub>9</sub> | m   | s    | 数量<br>Qty | GB<br>893-86                        | D <sub>2</sub> | D <sub>3</sub>      | G <sub>4</sub> | G <sub>5</sub> | 类型<br>mm | d                  | d <sub>1</sub> | H   | W  | s <sub>1</sub> |             |  |  |  |  |  |
|                                   | mm                                           |                |                |                |                |      |                |   |                 |                |                |                |                |     |      |           |                                     |                |                     |                |                |          |                    |                |     |    |                |             |  |  |  |  |  |
| 3                                 | 70 g6                                        | 70 g6          | 69.5           | 80             | 4              | 286  | 38             | 2 | 17              | 7              | 75             | 55             | 22             | 40  | M 8  | 2         | 75x2.5                              | 70             | 70                  | 125            | 180            | 90-32    | 90                 | 155            | 38  | 20 | M 10           |             |  |  |  |  |  |
| 4                                 | 85 g6                                        | 85 h6          | 84.5           | 95             | 4              | 326  | 48             | 2 | 17              | 7              | 90             | 70             | 22             | 50  | M 8  | 2         | 90 x 3                              | 85             | 85                  | 140            | 205            | 110-32   | 110                | 185            | 49  | 20 | M 12           |             |  |  |  |  |  |
| 5                                 | 100 g6                                       | 100 h6         | 99.5           | 114            | 5              | 383  | 53             | 2 | 20              | 8              | 105            | 80             | 26             | 55  | M 10 | 2         | 105 x 4                             | 100            | 100                 | 165            | 240            | 125-32   | 125                | 215            | 53  | 20 | M 12           |             |  |  |  |  |  |
| 6                                 | 110 g6                                       | 110 h6         | 109.5          | 124            | 5              | 383  | 58             | 3 | 20              | 8              | 115            | 85             | 26             | 60  | M 10 | 2         | 115 x 4                             | 110            | 110                 | 165            | 240            | 140-32   | 140                | 230            | 58  | 20 | M 14           |             |  |  |  |  |  |
| 7                                 | 120 g6                                       | 120 h6         | 119.5          | 134            | 5              | 453  | 68             | 3 | 20              | 8              | 125            | 90             | 26             | 65  | M 12 | 2         | 125 x 4                             | 120            | 120                 | 195            | 280            | 155-32   | 155                | 263            | 62  | 23 | M 14           |             |  |  |  |  |  |
| 8                                 | 130 g6                                       | 130 h6         | 129.5          | 145            | 6              | 458  | 73             | 3 | 20              | 8              | 135            | 100            | 26             | 70  | M 12 | 2         | 135 x 4                             | 130            | 130                 | 195            | 285            | 165-32   | 165                | 290            | 68  | 23 | M 16           |             |  |  |  |  |  |
| 9                                 | 140 g6                                       | 145 m6         | 139.5          | 160            | 6              | 539  | 82             | 4 | 23              | 10             | 150            | 110            | 33             | 80  | M 12 | 2         | 150 x 4                             | 140            | 145                 | 235            | 330            | 175-32   | 175                | 300            | 68  | 28 | M 16           |             |  |  |  |  |  |
| 10                                | 150 g6                                       | 155 m6         | 149.5          | 170            | 6              | 559  | 92             | 4 | 23              | 10             | 160            | 120            | 33             | 90  | M 12 | 2         | 160 x 4                             | 150            | 155                 | 235            | 350            | 200-32   | 200                | 340            | 85  | 28 | M 16           |             |  |  |  |  |  |
| 11                                | 165 f6                                       | 170 m6         | 164.5          | 185            | 7              | 644  | 112            | 4 | 23              | 10             | 175            | 130            | 33             | 90  | M 12 | 2         | 175 x 4                             | 165            | 170                 | 270            | 400            | 220-32   | 220                | 370            | 103 | 30 | M 20           |             |  |  |  |  |  |
| 12                                | 180 f6                                       | 185 m6         | 179.5          | 200            | 7              | 649  | 122            | 4 | 23              | 10             | 190            | 140            | 33             | 100 | M 16 | 2         | 190 x 4                             | 180            | 185                 | 270            | 405            | 240-32   | 240                | 405            | 107 | 30 | M 20           |             |  |  |  |  |  |
| 13                                | 190 f6                                       | 195 m6         | 189.5          | 213            | 7              | 789  | 137            | 5 | 23              | 10             | 200            | 150            | 33             | 110 | M 16 | 2         | 200 x 4                             | 190            | 195                 | 335            | 480            | 260-32   | 260                | 430            | 119 | 30 | M 20           |             |  |  |  |  |  |
| 14                                | 210 f6                                       | 215 m6         | 209.5          | 233            | 8              | 784  | 147            | 5 | 28              | 14             | 220            | 170            | 33             | 130 | M 16 | 2         | 220 x 5                             | 210            | 215                 | 335            | 480            | 280-32   | 280                | 460            | 132 | 30 | M 20           |             |  |  |  |  |  |
| 15                                | 230 f6                                       | 235 m6         | 229.5          | 253            | 8              | 899  | 157            | 5 | 28              | 14             | 240            | 180            | 39             | 140 | M 16 | 2         | 240 x 5                             | 230            | 235                 | 380            | 550            | 300-32   | 300                | 485            | 140 | 35 | M 24           |             |  |  |  |  |  |
| 16                                | 240 f6                                       | 245 m6         | 239.5          | 263            | 8              | 899  | 157            | 5 | 28              | 14             | 250            | 190            | 39             | 150 | M 20 | 2         | 250 x 5                             | 240            | 245                 | 380            | 550            | 320-32   | 320                | 520            | 140 | 35 | M 24           |             |  |  |  |  |  |
| 17                                | 250 f6                                       | 260 m6         | 249.5          | 278            | 8              | 982  | 177            | 5 | 30              | 14             | 265            | 200            | 39             | 150 | M 20 | 2         | 265 x 5                             | 250            | 260                 | 415            | 600            | 340-32   | 340                | 570            | 155 | 35 | M 24           |             |  |  |  |  |  |
| 18                                | 280 f6                                       | 285 m6         | 279.5          | 306            | 9              | 982  | 177            | 5 | 30              | 14             | 290            | 210            | 39             | 160 | M 20 | 2         | 290 x 5                             | 280            | 285                 | 415            | 600            | 360-32   | 360                | 590            | 162 | 35 | M 24           |             |  |  |  |  |  |
| 19                                | 285 f6                                       | 295 m6         | 284.5          | 316            | 9              | 1100 | 187            | 5 | 32              | 15             | 300            | 220            | 39             | 170 | M 24 | 2         | 300 x 5                             | 285            | 295                 | 465            | 670            | 380-32   | 380                | 640            | 166 | 40 | M 27           |             |  |  |  |  |  |
| 20                                | 310 f6                                       | 315 m6         | 309.5          | 336            | 9              | 1100 | 187            | 5 | 32              | 15             | 320            | 230            | 39             | 180 | M 24 | 2         | 320 x 6                             | 310            | 315                 | 465            | 670            | 390-32   | 390                | 650            | 166 | 40 | M 27           |             |  |  |  |  |  |
| 21                                | 330 f6                                       | 335 m6         | 329            | 358            | 9              | 1160 | 205            | 5 | 40              | 20             | 340            | 250            | 45             | 190 | M 24 | 2         | 340 x 6                             | 330            | 335                 | 490            | 715            | 420-32   | 420                | 670            | 186 | 45 | M 27           |             |  |  |  |  |  |
| 22                                | 340 f6                                       | 345 m6         | 339            | 368            | 9              | 1170 | 215            | 5 | 40              | 20             | 350            | 260            | 45             | 200 | M 24 | 2         | 350 x 6                             | 340            | 345                 | 490            | 725            | 440-32   | 440                | 720            | 194 | 45 | M 27           |             |  |  |  |  |  |
| 23                                |                                              |                |                |                |                |      |                |   |                 |                |                |                |                |     |      |           |                                     |                |                     |                |                |          |                    |                |     |    |                |             |  |  |  |  |  |
| 24                                |                                              |                |                |                |                |      |                |   |                 |                |                |                |                |     |      |           |                                     |                |                     |                |                |          |                    |                |     |    |                |             |  |  |  |  |  |
| 25                                |                                              |                |                |                |                |      |                |   |                 |                |                |                |                |     |      |           |                                     |                |                     |                |                |          |                    |                |     |    |                |             |  |  |  |  |  |
| 26                                | 根据用户要求供货                                     |                |                |                |                |      |                |   |                 |                |                |                |                |     |      |           |                                     | On request     |                     |                |                |          |                    |                |     |    |                |             |  |  |  |  |  |

- 1) 胀紧盘不在我们的供货范围之内。如果需要的话, 请另行订货。
- 2) 工作机驱动轴材质: 40cr或强度更高的钢。工作机驱动轴不在供货范围之内, 但尺寸函索即复。

- 1) Shrink disk does not belong to our scope of supply, please order separately if required.
- 2) Material of driven machine shaft 40cr or higher strength driven machine shaft does not belong to our scope of supply, shrink disk is supplied as loose item dimensions of machine shaft on request.

带胀紧盘联接的空心轴

类型 YFB2

规格 2 ...26

Hollow shaft for shrink Disks

Types YFB2

sizes 2 ...26

X= 要求预留的力矩扳手空间

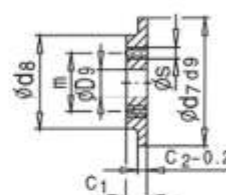
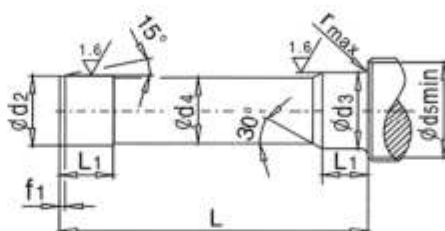
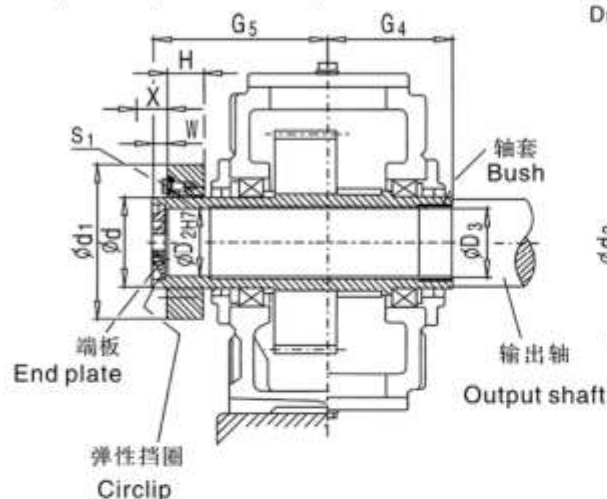
X= Space required for torque wrench

用于胀紧盘联接的工作机驱动轴。

工作机驱动轴表面不得沾有机油或润滑脂。

Driven machine shaft for shrink connection

Driven machine shaft must be free of oil or grease

端板  
End plate

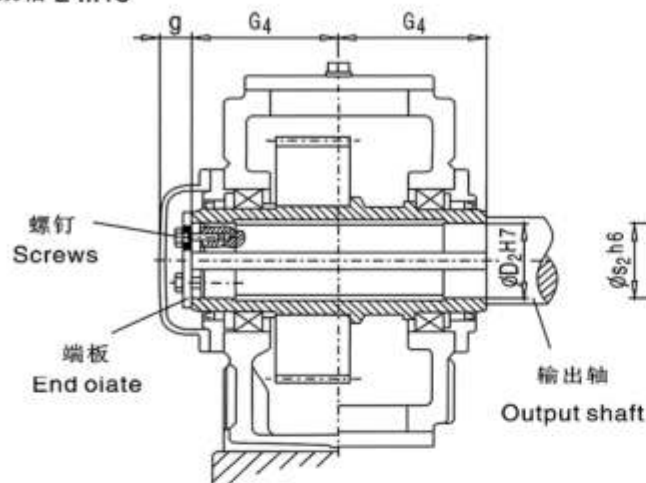
类型B2D Types B2D

| 类型B2D    Types B2D                |                                |                |                |                |                |      |                |   |                 |                |                |                |                |     |     |           |                     |                     |                |                |                |                          |     |                |     |    |                |  |
|-----------------------------------|--------------------------------|----------------|----------------|----------------|----------------|------|----------------|---|-----------------|----------------|----------------|----------------|----------------|-----|-----|-----------|---------------------|---------------------|----------------|----------------|----------------|--------------------------|-----|----------------|-----|----|----------------|--|
| 齿轮箱<br>规格<br>Gear<br>unit<br>size | 工作机驱动轴<br>Driven machine shaft |                |                |                |                |      |                |   | 端板<br>End plate |                |                |                |                |     |     |           | 弹性<br>挡圈<br>Circlip | 空心轴<br>Hollow shaft |                |                |                | 胀紧盘<br>Shrink disk<br>1) |     |                |     |    | 螺钉<br>Screw    |  |
|                                   | d <sub>2</sub>                 | d <sub>3</sub> | d <sub>4</sub> | d <sub>5</sub> | f <sub>1</sub> | l    | l <sub>1</sub> | r | c <sub>1</sub>  | c <sub>2</sub> | d <sub>7</sub> | d <sub>8</sub> | D <sub>9</sub> | m   | s   | 数量<br>Qty | GB<br>893-86        | D <sub>2</sub>      | D <sub>3</sub> | G <sub>4</sub> | G <sub>5</sub> | 类型<br>mm                 | d   | d <sub>1</sub> | H   | W  | s <sub>1</sub> |  |
| 2                                 | 60 g6                          | 60 g6          | 59.5           | 70             | 3              | 300  | 36             | 2 | 13              | 6              | 65             | 47             | 22             | 35  | M 6 | 2         | 65 x 2.5            | 60                  | 60             | 135            | 180            | 80-32                    | 80  | 141            | 31  | 16 | M10            |  |
| 3                                 | 70 g6                          | 70 h6          | 69.5           | 80             | 4              | 326  | 38             | 2 | 17              | 7              | 75             | 55             | 22             | 40  | M 8 | 2         | 75 x 2.5            | 70                  | 70             | 145            | 200            | 90-32                    | 90  | 155            | 38  | 20 | M10            |  |
| 4                                 | 85 g6                          | 85 h6          | 84.5           | 95             | 4              | 386  | 48             | 2 | 17              | 7              | 90             | 70             | 22             | 50  | M 8 | 2         | 90 x 3              | 85                  | 85             | 170            | 235            | 110-32                   | 110 | 185            | 49  | 20 | M12            |  |
| 5                                 | 100 g6                         | 100 h6         | 99.5           | 114            | 5              | 453  | 53             | 2 | 20              | 8              | 105            | 80             | 26             | 55  | M10 | 2         | 105 x 4             | 100                 | 100            | 200            | 275            | 125-32                   | 125 | 215            | 53  | 20 | M12            |  |
| 6                                 | 110 g6                         | 110 h6         | 109.5          | 124            | 5              | 453  | 58             | 3 | 20              | 8              | 115            | 85             | 26             | 60  | M10 | 2         | 115 x 4             | 110                 | 110            | 200            | 275            | 140-32                   | 140 | 230            | 58  | 20 | M14            |  |
| 7                                 | 120 g6                         | 120 h6         | 119.5          | 134            | 5              | 533  | 68             | 3 | 20              | 8              | 125            | 90             | 26             | 65  | M12 | 2         | 125 x 4             | 120                 | 120            | 235            | 320            | 155-32                   | 155 | 263            | 62  | 23 | M14            |  |
| 8                                 | 130 g6                         | 130 h6         | 129.5          | 145            | 6              | 538  | 73             | 3 | 20              | 8              | 135            | 100            | 26             | 70  | M12 | 2         | 135 x 4             | 130                 | 130            | 235            | 325            | 165-32                   | 165 | 290            | 68  | 23 | M16            |  |
| 9                                 | 140 g6                         | 145 m6         | 139.5          | 160            | 6              | 609  | 82             | 4 | 23              | 10             | 150            | 110            | 33             | 80  | M12 | 2         | 150 x 4             | 140                 | 145            | 270            | 365            | 175-32                   | 175 | 300            | 68  | 28 | M16            |  |
| 10                                | 150 g6                         | 155 m6         | 149.5          | 170            | 6              | 629  | 92             | 4 | 23              | 10             | 160            | 120            | 33             | 90  | M12 | 2         | 160 x 4             | 150                 | 155            | 270            | 385            | 200-32                   | 200 | 340            | 85  | 28 | M16            |  |
| 11                                | 165 f6                         | 170 m6         | 164.5          | 185            | 7              | 744  | 112            | 4 | 23              | 10             | 175            | 130            | 33             | 90  | M12 | 2         | 175 x 4             | 165                 | 170            | 320            | 450            | 220-32                   | 220 | 370            | 103 | 30 | M20            |  |
| 12                                | 180 f6                         | 185 m6         | 179.5          | 200            | 7              | 749  | 122            | 4 | 23              | 10             | 190            | 140            | 33             | 100 | M16 | 2         | 190 x 4             | 180                 | 185            | 320            | 455            | 240-32                   | 240 | 405            | 107 | 30 | M20            |  |
| 14                                | 210 f6                         | 215 m6         | 209.5          | 233            | 8              | 894  | 147            | 5 | 28              | 14             | 220            | 170            | 33             | 130 | M16 | 2         | 220 x 5             | 210                 | 215            | 390            | 535            | 280-32                   | 280 | 460            | 132 | 30 | M20            |  |
| 16                                | 240 f6                         | 245 m6         | 239.5          | 263            | 8              | 1039 | 157            | 5 | 28              | 14             | 250            | 190            | 39             | 150 | M20 | 2         | 250 x 5             | 240                 | 245            | 450            | 620            | 320-32                   | 320 | 520            | 140 | 35 | M24            |  |
| 18                                | 280 f6                         | 285 m6         | 279.5          | 306            | 9              | 1177 | 177            | 5 | 30              | 14             | 290            | 210            | 39             | 160 | M20 | 2         | 290 x 5             | 280                 | 285            | 510            | 700            | 360-32                   | 360 | 590            | 162 | 35 | M24            |  |

带胀紧盘联接的空心轴

类型 YFH2, YFH3, YFH4, YFB2, YFB3, YFB4

规格 2 ...18

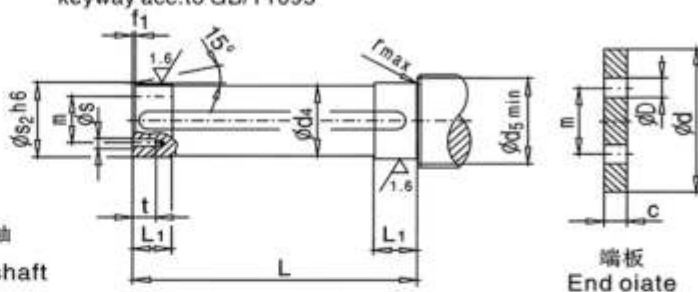


Hollow shaft for shrink Disks

Types YFH2, YFH3, YFH4, YFB2, YFB3, YFB4  
sizes 2 ...18

带平键联接的工作机驱动轴。键槽尺寸

根据GB/T 1095/1确定。

Driven machine shaft for parallel key connection,  
keyway acc.to GB/T1095端板  
End olate

| 类型 YFH2H、YFH3H、YFH4H、YFB3H、YFB4H |                                |                |                |                |     |                |     |         |    | Types YFH2H、YFH3H、YFH4H、YFB3H、YFB4H |      |     |     |             |           |                     |                      |    |
|----------------------------------|--------------------------------|----------------|----------------|----------------|-----|----------------|-----|---------|----|-------------------------------------|------|-----|-----|-------------|-----------|---------------------|----------------------|----|
| 齿轮箱<br>规格<br>Gear unit<br>size   | 工作机驱动轴<br>Driven machine shaft |                |                |                |     |                |     |         |    | 端板<br>End plate                     |      |     |     | 螺钉<br>Screw |           | 空心轴<br>Hollow shaft |                      |    |
|                                  | d <sub>2</sub>                 | d <sub>4</sub> | d <sub>5</sub> | f <sub>1</sub> | l   | l <sub>1</sub> | r   | s<br>mm | t  | c                                   | D    | d   | m   | 规格<br>size  | 数量<br>Qty | D <sub>2</sub>      | G <sub>4</sub><br>mm | g  |
| 3                                | 65                             | 64.5           | 73             | 4              | 248 | 30             | 1.2 | M10     | 18 | 8                                   | 11   | 78  | 45  | M10 x 25    | 2         | 65                  | 125                  | 35 |
| 4                                | 80                             | 79.5           | 88             | 4              | 278 | 35             | 1.2 | M10     | 18 | 10                                  | 11   | 100 | 60  | M10 x 25    | 2         | 80                  | 140                  | 35 |
| 5                                | 95                             | 94.5           | 105            | 5              | 328 | 40             | 1.6 | M10     | 18 | 10                                  | 11   | 120 | 70  | M10 x 25    | 2         | 95                  | 165                  | 40 |
| 6                                | 105                            | 104.5          | 116            | 5              | 328 | 45             | 1.6 | M10     | 18 | 10                                  | 11   | 120 | 70  | M10 x 25    | 2         | 105                 | 165                  | 40 |
| 7                                | 115                            | 114.5          | 126            | 5              | 388 | 50             | 1.6 | M12     | 20 | 12                                  | 13.5 | 140 | 80  | M12 x 30    | 2         | 115                 | 195                  | 40 |
| 8                                | 125                            | 124.5          | 136            | 6              | 388 | 55             | 2.5 | M12     | 20 | 12                                  | 13.5 | 150 | 85  | M12 x 30    | 2         | 125                 | 195                  | 40 |
| 9                                | 135                            | 134.5          | 147            | 6              | 467 | 60             | 2.5 | M12     | 20 | 12                                  | 13.5 | 150 | 90  | M12 x 30    | 2         | 135                 | 235                  | 45 |
| 10                               | 150                            | 149.5          | 162            | 6              | 467 | 65             | 2.5 | M12     | 20 | 12                                  | 13.5 | 185 | 110 | M12 x 30    | 2         | 150                 | 235                  | 45 |
| 11                               | 165                            | 164.5          | 177            | 7              | 537 | 70             | 2.5 | M16     | 28 | 15                                  | 17.5 | 195 | 120 | M16 x 40    | 2         | 165                 | 270                  | 45 |
| 12                               | 180                            | 179.5          | 192            | 7              | 537 | 75             | 2.5 | M16     | 28 | 15                                  | 17.5 | 220 | 130 | M16 x 40    | 2         | 180                 | 270                  | 45 |
| 13                               | 190                            | 189.5          | 206            | 7              | 667 | 80             | 3   | M16     | 28 | 18                                  | 17.5 | 230 | 140 | M16 x 40    | 2         | 190                 | 335                  | 45 |
| 14                               | 210                            | 209.5          | 226            | 8              | 667 | 85             | 3   | M16     | 28 | 18                                  | 17.5 | 250 | 160 | M16 x 40    | 2         | 210                 | 335                  | 45 |
| 15                               | 230                            | 229.5          | 248            | 8              | 756 | 100            | 3   | M20     | 38 | 25                                  | 22   | 270 | 180 | M20 x 55    | 4         | 230                 | 380                  | 60 |
| 16                               | 240                            | 239.5          | 258            | 8              | 756 | 100            | 3   | M20     | 38 | 25                                  | 22   | 280 | 180 | M20 x 55    | 4         | 240                 | 380                  | 60 |
| 17                               | 250                            | 249.5          | 270            | 8              | 826 | 110            | 4   | M20     | 38 | 25                                  | 22   | 300 | 190 | M20 x 55    | 4         | 250                 | 415                  | 60 |
| 18                               | 275                            | 274.5          | 295            | 9              | 826 | 120            | 4   | M20     | 38 | 25                                  | 22   | 330 | 210 | M20 x 55    | 4         | 275                 | 415                  | 60 |

| 类型B2H    Types B2H                  |                                              |                |                |                |      |                |     |         |    |                 |      |     |     |             |           |                     |                      |    |
|-------------------------------------|----------------------------------------------|----------------|----------------|----------------|------|----------------|-----|---------|----|-----------------|------|-----|-----|-------------|-----------|---------------------|----------------------|----|
| 齿轮箱<br>规 格<br><br>Gear unit<br>size | 工作机驱动轴 <sup>1)</sup><br>Driven machine shaft |                |                |                |      |                |     |         |    | 端板<br>End plate |      |     |     | 螺钉<br>Screw |           | 空心轴<br>Hollow shaft |                      |    |
|                                     | d <sub>2</sub>                               | d <sub>3</sub> | d <sub>5</sub> | f <sub>1</sub> | l    | l <sub>1</sub> | r   | s<br>mm | t  | c               | D    | d   | m   | 规格<br>Size  | 数量<br>Qty | D <sub>2</sub>      | G <sub>4</sub><br>mm | g  |
| 2                                   | 55                                           | 54.5           | 63             | 3              | 268  | 30             | 1.2 | M 8     | 15 | 8               | 9    | 70  | 40  | M 8 x 20    | 2         | 55                  | 135                  | 35 |
| 3                                   | 65                                           | 64.5           | 73             | 4              | 288  | 30             | 1.2 | M10     | 18 | 8               | 11   | 78  | 45  | M10 x 25    | 2         | 65                  | 145                  | 35 |
| 4                                   | 80                                           | 79.5           | 88             | 4              | 338  | 35             | 1.2 | M10     | 18 | 10              | 11   | 100 | 60  | M10 x 25    | 2         | 80                  | 170                  | 35 |
| 5                                   | 95                                           | 94.5           | 105            | 5              | 398  | 40             | 1.6 | M10     | 18 | 10              | 11   | 120 | 70  | M10 x 25    | 2         | 95                  | 200                  | 40 |
| 6                                   | 105                                          | 104.5          | 116            | 5              | 398  | 45             | 1.6 | M10     | 18 | 10              | 11   | 120 | 70  | M10 x 25    | 2         | 105                 | 200                  | 40 |
| 7                                   | 115                                          | 114.5          | 126            | 5              | 468  | 50             | 1.6 | M12     | 20 | 12              | 13.5 | 140 | 80  | M12 x 30    | 2         | 115                 | 235                  | 40 |
| 8                                   | 125                                          | 124.5          | 136            | 6              | 468  | 55             | 2.5 | M12     | 20 | 12              | 13.5 | 150 | 85  | M12 x 30    | 2         | 125                 | 235                  | 40 |
| 9                                   | 135                                          | 134.5          | 147            | 6              | 537  | 60             | 2.5 | M12     | 20 | 12              | 13.5 | 150 | 90  | M12 x 30    | 2         | 135                 | 270                  | 45 |
| 10                                  | 150                                          | 149.5          | 162            | 6              | 537  | 65             | 2.5 | M12     | 20 | 12              | 13.5 | 185 | 110 | M12 x 30    | 2         | 150                 | 270                  | 45 |
| 11                                  | 165                                          | 164.5          | 177            | 7              | 637  | 70             | 2.5 | M16     | 28 | 15              | 17.5 | 195 | 120 | M16 x 40    | 2         | 165                 | 320                  | 45 |
| 12                                  | 180                                          | 179.5          | 192            | 7              | 637  | 75             | 2.5 | M16     | 28 | 15              | 17.5 | 220 | 130 | M16 x 40    | 2         | 180                 | 320                  | 45 |
| 14                                  | 210                                          | 209.5          | 226            | 8              | 777  | 85             | 3   | M16     | 28 | 18              | 17.5 | 250 | 160 | M16 x 40    | 2         | 210                 | 390                  | 45 |
| 16                                  | 240                                          | 239.5          | 258            | 8              | 896  | 100            | 3   | M20     | 38 | 25              | 22   | 280 | 180 | M20 x 55    | 4         | 240                 | 450                  | 60 |
| 18                                  | 275                                          | 274.5          | 295            | 9              | 1016 | 120            | 4   | M20     | 38 | 25              | 22   | 330 | 210 | M20 x 55    | 4         | 275                 | 510                  | 60 |

1) 工作机驱动轴材质: 40Cr或强度更高的钢。

平键不在我们的供货范围之内。如果需要的话, 请另行  
订货。D Material of driven machine shaft: 40Cr or higher  
strength.Parallel key does not belong to our scope of  
supply. Please order separately, if required.

齿轮箱

输出轴d2上允许的附加径向力1)

类型 YFH1SH YFH2S.,YFH3S

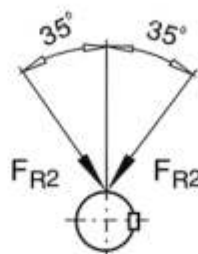
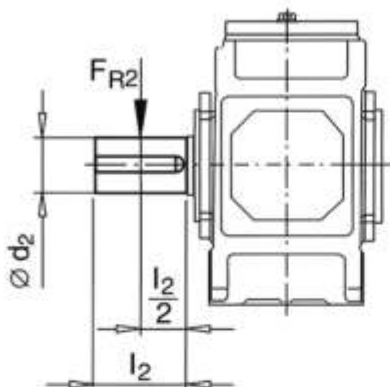
YFH4S.,YFB2S.,YFB3S.,YFB4S.

Gear Units

Permissible Additional Radial

Forces on Output Type YFH1SH、YFH2S、

YFH3S、YFH4S、YFB2S、YFB3S、YFB4S shaft d2



允许的作用力方向

Termissible direction of force

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允许的附加径向力  $F_{R2}$  (KN), 作用于输出轴轴端中部3)Permissible additional radial forces  $F_{R2}$  in KN with application of force on centre of shaft end

| 类型<br>Type | 布置形式<br>Arrangement<br>of output shaft | 齿轮箱规格 Gear units sizes |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
|------------|----------------------------------------|------------------------|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
|            |                                        | 1                      | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13  | 14  | 15  | 16  | 17  | 18  |
| YFH1SH     | A/B                                    | 2)                     | -  | 2) | -  | 2) | -  | 2) | -  | 2) | -  | 2) | -  | 2)  | -   | 2)  | -   | 2)  | -   |
| YFH2S.     | A/B/G/H                                | -                      | -  | 8  | 10 | 22 | 22 | 30 | 30 | 30 | 45 | 64 | 64 | 150 | 150 | 140 | 205 | 205 | 205 |
|            | C/D                                    | -                      | -  | 8  | 10 | 13 | 13 | 18 | 18 | 10 | 28 | 35 | 35 | 112 | 112 | 85  | 135 | 135 | 135 |
| YFH3S.     | A/B/G/H                                | -                      | -  | -  | -  | 29 | 29 | 40 | 40 | 40 | 60 | 85 | 85 | 190 | 190 | 185 | 265 | 265 | 265 |
|            | C/D                                    | -                      | -  | -  | -  | 18 | 18 | 26 | 26 | 18 | 40 | 50 | 50 | 150 | 150 | 120 | 185 | 185 | 190 |
| YFH4S.     | A/B                                    | -                      | -  | -  | -  | -  | -  | 26 | 26 | 18 | 40 | 50 | 50 | 150 | 150 | 120 | 185 | 185 | 190 |
|            | C/D                                    | -                      | -  | -  | -  | -  | -  | 40 | 40 | 40 | 60 | 85 | 85 | 190 | 190 | 185 | 265 | 265 | 265 |
| YFB2S.     | A/C                                    | 7                      | 10 | 10 | 13 | 27 | 27 | 37 | 37 | 38 | 55 | 78 | 78 | 160 | 160 | 150 | 210 | 210 | 210 |
|            | B/D                                    | 4                      | 7  | 9  | 12 | 15 | 15 | 17 | 17 | 10 | 30 | 35 | 38 | 110 | 110 | 75  | 145 | 100 | 100 |
| YFB3S.     | A/C                                    | -                      | -  | 9  | 14 | 29 | 29 | 40 | 40 | 40 | 60 | 85 | 85 | 190 | 190 | 185 | 265 | 265 | 265 |
|            | B/D                                    | -                      | -  | 7  | 9  | 18 | 18 | 26 | 26 | 18 | 40 | 50 | 50 | 150 | 150 | 120 | 185 | 185 | 190 |
| YFB4S.     | A/C                                    | -                      | -  | -  | -  | 29 | 29 | 40 | 40 | 40 | 60 | 85 | 85 | 190 | 190 | 185 | 265 | 265 | 265 |
|            | B/D                                    | -                      | -  | -  | -  | 18 | 18 | 26 | 26 | 18 | 40 | 50 | 50 | 150 | 150 | 120 | 185 | 185 | 190 |

1)表中数据为最小值。如果给定力的作用角和回转方向,通常情况下,可允许承受较大的附加力。请与我们联系。

2)根据用户要求供货。

3)当作用力不在轴端中部时,请参见第280页。

4)基础螺栓的最低性能等级为8.8级。

基础必须干燥,不行有油脂。

如用户要求,允许输入轴d1上附加径向力。

1)Values in tables are minimum values. Is the angle of application of force and the direction of rotation are given, significantly higher additional forces can mostly be allowed please consult us.

2)On request.

3)For application of force outside the cent of the shaft end, see 280.

4)Vise foundation bolts of min property class 8.8 Foundation must be dry and grease free. Permissible additional radial forces on input shaft d1 on request

齿轮箱

输出轴d2上允许的附加径向力1)

类型 YFH1SH YFH2S,,YFH3S  
YFH4S,,YFB2S,,YFB3S,,YFB4S.

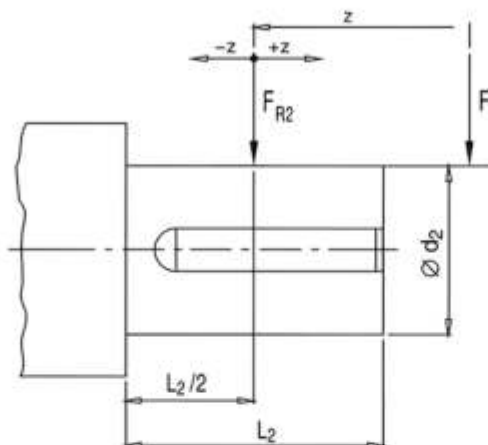
Gear Units

Permissible Additional Radial

Forces on Output Type YFH1SH、YFH2S、  
YFH3S、YFH4S、YFB2S、YFB3S、YFB4S shaft d2

作用力不在轴端中部  
Applioation of force  
outsdie the  
centre of the shaft end

$$F_{RZ2} = F_{R2} \times K$$



$F_{RZ2}$  允许的轴端外部径向力  
Permissible external radial force

$F_{R2}$  允许的附加径向力  
根据 页上的表确定。  
Permissible additional radial  
force acc to table page

$K$  作用力系数根据下表确定  
Factor of application of force  
to table

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作用力系数 k Factor of application of force k

| 规格<br>Size | 距离 z,mm Distance z(mm) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|            | -200                   | -150 | -100 | -75  | -50  | -25  | 0    | 25   | 50   | 75   | 100  | 150  | 200  | 250  | 300  |
| 1          |                        |      |      |      |      | 1.11 | 1.00 | 0.81 | 0.68 | 0.58 | 0.51 |      |      |      |      |
| 2          |                        |      |      |      |      | 1.11 | 1.00 | 0.83 | 0.71 | 0.63 | 0.56 |      |      |      |      |
| 3          |                        |      |      |      | 1.21 | 1.09 | 1.00 | 0.85 | 0.74 | 0.65 | 0.58 | 0.48 |      |      |      |
| 4          |                        |      |      |      | 1.17 | 1.08 | 1.00 | 0.86 | 0.76 | 0.68 | 0.62 | 0.52 | 0.44 |      |      |
| 5+ 6       |                        |      |      | 1.22 | 1.14 | 1.06 | 1.00 | 0.88 | 0.79 | 0.72 | 0.66 | 0.56 | 0.49 | 0.43 |      |
| 7+ 8       |                        |      |      | 1.19 | 1.12 | 1.06 | 1.00 | 0.89 | 0.81 | 0.74 | 0.68 | 0.58 | 0.51 | 0.46 | 0.41 |
| 9+10       |                        |      | 1.22 | 1.15 | 1.10 | 1.05 | 1.00 | 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 | 1.00 | 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 | 1.00 | 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 | 1.00 | 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 | 1.00 | 0.94 | 0.88 | 0.84 | 0.79 | 0.72 | 0.66 | 0.60 | 0.56 |

平行轴齿轮箱 Helical Gear Units

实际速比 Actual Ratios

类型 YFH1...,YFH2...,YFH3...,YFH4.. Type YFH1...,YFH2...,YFH3...,YFH4..

规格 1...13 size 1...13

| i <sub>n</sub> | 实际速比 i Actual Ratios   |   |        |        |        |         |         |         |         |         |         |         |         |
|----------------|------------------------|---|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
|                | 齿轮箱规格 Gear units sizes |   |        |        |        |         |         |         |         |         |         |         |         |
|                | 1                      | 2 | 3      | 4      | 5      | 6       | 7       | 8       | 9       | 10      | 11      | 12      | 13      |
| 1.25           | 1.250                  | - | 1.243  | -      | 1.256  | -       | 1.263   | -       | 1.270   | -       | -       | -       | -       |
| 1.4            | 1.415                  | - | 1.371  | -      | 1.378  | -       | 1.389   | -       | 1.400   | -       | -       | -       | -       |
| 1.6            | 1.605                  | - | 1.594  | -      | 1.588  | -       | 1.606   | -       | 1.625   | -       | 1.636   | -       | 1.588   |
| 1.8            | 1.829                  | - | 1.829  | -      | 1.839  | -       | 1.774   | -       | 1.800   | -       | 1.806   | -       | 1.839   |
| 2.0            | 2.000                  | - | 2.000  | -      | 2.034  | -       | 1.966   | -       | 2.000   | -       | 2.000   | -       | 2.034   |
| 2.24           | 2.194                  | - | 2.194  | -      | 2.259  | -       | 2.308   | -       | 2.231   | -       | 2.222   | -       | 2.259   |
| 2.5            | 2.536                  | - | 2.536  | -      | 2.520  | -       | 2.583   | -       | 2.500   | -       | 2.480   | -       | 2.520   |
| 2.8            | 2.808                  | - | 2.808  | -      | 2.826  | -       | 2.800   | -       | 2.741   | -       | 2.783   | -       | 2.826   |
| 3.15           | 3.125                  | - | 3.125  | -      | 3.190  | -       | 3.130   | -       | 3.208   | -       | 3.080   | -       | 3.208   |
| 3.55           | 3.500                  | - | 3.500  | -      | 3.591  | -       | 3.524   | -       | 3.591   | -       | 3.478   | -       | 3.591   |
| 4.0            | 3.950                  | - | 3.950  | -      | 4.050  | -       | 4.000   | -       | 4.050   | -       | 3.905   | -       | 4.050   |
| 4.5            | 4.476                  | - | 4.435  | -      | 4.619  | -       | 4.400   | -       | 4.381   | -       | 4.421   | -       | 4.619   |
| 5.0            | 5.053                  | - | 4.952  | -      | 4.900  | -       | 4.905   | -       | 4.947   | -       | 5.150   | -       | 4.900   |
| 5.6            | 5.571                  | - | 5.579  | -      | 5.556  | -       | 5.526   | -       | 5.684   | -       | 5.474   | -       | 5.556   |
| 6.3            | -                      | - | 6.232  | 6.319  | 6.286  | -       | 6.088   | -       | 6.260   | -       | 6.246   | -       | 6.410   |
| 7.1            | -                      | - | 7.099  | 6.857  | 7.213  | -       | 7.048   | -       | 7.247   | -       | 6.900   | -       | 7.100   |
| 8.0            | -                      | - | 7.765  | 7.778  | 7.889  | 7.792   | 7.799   | 7.676   | 8.018   | 7.848   | 7.644   | 7.941   | 7.889   |
| 9.0            | -                      | - | 8.516  | 8.485  | 8.652  | 8.940   | 8.660   | 8.887   | 8.904   | 9.085   | 8.974   | 8.772   | 8.799   |
| 10             | -                      | - | 9.845  | 9.722  | 10.002 | 9.778   | 9.660   | 9.833   | 9.932   | 10.053  | 10.046  | 9.718   | 9.861   |
| 11.2           | -                      | - | 10.900 | 10.694 | 11.075 | 10.724  | 10.648  | 10.920  | 11.138  | 11.163  | 10.889  | 11.410  | 10.811  |
| 12.5           | -                      | - | 12.132 | 12.444 | 12.326 | 12.397  | 11.807  | 12.180  | 12.574  | 12.452  | 12.174  | 12.773  | 12.655  |
| 14             | -                      | - | 13.588 | 13.865 | 13.806 | 13.726  | 13.939  | 13.426  | 14.152  | 13.964  | 13.704  | 13.844  | 14.164  |
| 16             | -                      | - | 15.335 | 15.556 | 15.581 | 15.278  | 15.717  | 14.887  | 15.962  | 15.765  | 15.556  | 15.478  | 15.975  |
| 18             | -                      | - | 17.378 | 17.602 | 17.493 | 17.111  | 17.598  | 17.576  | 18.204  | 17.743  | 17.111  | 17.423  | 17.280  |
| 20             | -                      | - | 19.616 | 19.444 | 19.534 | 17.311  | 19.742  | 19.817  | 19.312  | 20.012  | 19.074  | 19.778  | 19.515  |
| 22.4           | -                      | - | 21.630 | 22.037 | 22.006 | 21.681  | 20.982  | 22.189  | 21.895  | 22.824  | 21.491  | 21.756  | 22.020  |
| 25             | -                      | - | -      | -      | 25.011 | 24.212  | 25.540  | 24.892  | 25.439  | 24.212  | 24.706  | 24.251  | 25.372  |
| 28             | -                      | - | -      | -      | 28.490 | 27.275  | 27.711  | 26.456  | 29.187  | 27.451  | 28.602  | 27.325  | 29.373  |
| 31.5           | -                      | - | -      | -      | 31.161 | 30.999  | 31.433  | 32.202  | 31.924  | 31.894  | 31.648  | 31.412  | 32.501  |
| 35.5           | -                      | - | -      | -      | 34.177 | 35.312  | 34.291  | 34.940  | 35.013  | 36.593  | 35.144  | 36.366  | 36.092  |
| 40             | -                      | - | -      | -      | 39.508 | 38.622  | 39.292  | 39.633  | 40.474  | 40.024  | 39.200  | 40.238  | 40.257  |
| 45             | -                      | - | -      | -      | 43.745 | 42.360  | 43.221  | 43.236  | 44.816  | 43.897  | 43.210  | 44.683  | 45.147  |
| 50             | -                      | - | -      | -      | 48.689 | 48.967  | 50.293  | 49.542  | 49.881  | 50.744  | 47.911  | 49.840  | 50.968  |
| 56             | -                      | - | -      | -      | 54.532 | 54.220  | 56.033  | 54.496  | 55.866  | 56.187  | 56.566  | 54.938  | 57.365  |
| 63             | -                      | - | -      | -      | 61.543 | 60.347  | 62.867  | 63.413  | 63.049  | 62.537  | 63.778  | 60.916  | 64.699  |
| 71             | -                      | - | -      | -      | 69.742 | 67.589  | 71.139  | 70.651  | 70.787  | 70.041  | 71.414  | 71.919  | 73.789  |
| 80             | -                      | - | -      | -      | 78.723 | 76.279  | 78.583  | 79.267  | 79.049  | 79.046  | 80.111  | 81.089  | 78.278  |
| 90             | -                      | - | -      | -      | 86.806 | 86.440  | 89.061  | 89.696  | 89.050  | 88.748  | 85.146  | 90.798  | 88.750  |
| 100            | -                      | - | -      | -      | -      | 97.572  | 101.554 | 99.083  | 101.210 | 99.106  | 103.639 | 101.856 | 103.114 |
| 112            | -                      | - | -      | -      | -      | 107.590 | 115.256 | 112.294 | 115.290 | 111.645 | 112.450 | 108.257 | 118.306 |
| 125            | -                      | - | -      | -      | -      | -       | 125.733 | 128.046 | 126.098 | 126.890 | 127.556 | 131.769 | 129.398 |
| 140            | -                      | - | -      | -      | -      | -       | 143.985 | 145.322 | 138.301 | 144.542 | 139.152 | 142.973 | 141.920 |
| 160            | -                      | - | -      | -      | -      | -       | 158.251 | 158.533 | 159.874 | 158.093 | 159.444 | 162.178 | 164.058 |
| 180            | -                      | - | -      | -      | -      | -       | 174.630 | 181.546 | 177.022 | 173.392 | 175.389 | 176.921 | 181.654 |
| 200            | -                      | - | -      | -      | -      | -       | 193.629 | 199.533 | 197.028 | 200.439 | 204.089 | 202.722 | 202.184 |
| 224            | -                      | - | -      | -      | -      | -       | 228.606 | 220.185 | 220.671 | 221.938 | 227.382 | 222.994 | 226.446 |
| 250            | -                      | - | -      | -      | -      | -       | 257.753 | 244.141 | 249.043 | 247.020 | 255.111 | 259.484 | 255.560 |
| 280            | -                      | - | -      | -      | -      | -       | 288.615 | 288.242 | 282.219 | 276.663 | 288.678 | 289.100 | 286.925 |
| 315            | -                      | - | -      | -      | -      | -       | 305.352 | 324.993 | 318.563 | 312.234 | 318.889 | 324.356 | 320.413 |
| 355            | -                      | - | -      | -      | -      | -       | 344.112 | 363.906 | 351.273 | 353.827 | 361.407 | 367.034 | 360.951 |
| 400            | -                      | - | -      | -      | -      | -       | -       | 385.010 | -       | 399.393 | -       | 405.444 | -       |
| 450            | -                      | - | -      | -      | -      | -       | -       | 433.881 | -       | 440.402 | -       | 459.504 | -       |

平行轴齿轮箱 Helical Gear Units

实际速比 Actual Ratios

类型 YFH1.., YFH2.., YFH3.., YFH4.. Type YFH1.., YFH2.., YFH3.., YFH4..

规格 14...22 size 14...22

| 实际速比 i    Actual Ratios |         |         |         |         |         |         |         |         |    |                        |    |    |                |
|-------------------------|---------|---------|---------|---------|---------|---------|---------|---------|----|------------------------|----|----|----------------|
| 齿轮箱规格 Gear units sizes  |         |         |         |         |         |         |         |         |    |                        |    |    | i <sub>n</sub> |
| 14                      | 15      | 16      | 17      | 18      | 19      | 20      | 21      | 22      | 23 | 24                     | 25 | 26 |                |
| -                       | -       | -       | -       | -       | -       | -       | -       | -       |    |                        |    |    | 1.25           |
| -                       | -       | -       | -       | -       | -       | -       | -       | -       |    |                        |    |    | 1.4            |
| -                       | -       | -       | -       | -       | -       | -       | -       | -       |    |                        |    |    | 1.6            |
| -                       | -       | -       | -       | -       | -       | -       | -       | -       |    |                        |    |    | 1.8            |
| -                       | 2.000   | -       | 2.000   | -       | 1.967   | -       | -       | -       |    |                        |    |    | 2.0            |
| -                       | 2.231   | -       | 2.250   | -       | 2.296   | -       | -       | -       |    |                        |    |    | 2.24           |
| -                       | 2.481   | -       | 2.481   | -       | 2.560   | -       | -       | -       |    |                        |    |    | 2.5            |
| -                       | 2.760   | -       | 2.760   | -       | 2.870   | -       | -       | -       |    |                        |    |    | 2.8            |
| -                       | 3.087   | -       | 3.087   | -       | 3.238   | -       | -       | -       |    |                        |    |    | 3.15           |
| -                       | 3.476   | -       | 3.476   | -       | 3.450   | -       | -       | -       |    |                        |    |    | 3.55           |
| -                       | 3.947   | -       | 3.947   | -       | 3.944   | -       | -       | -       |    |                        |    |    | 4.0            |
| -                       | 4.579   | -       | 4.526   | -       | 4.400   | -       | -       | -       |    |                        |    |    | 4.5            |
| -                       | 5.100   | -       | 4.900   | -       | 4.950   | -       | -       | -       |    |                        |    |    | 5.0            |
| -                       | 5.778   | -       | 5.556   | -       | 5.700   | -       | -       | -       |    |                        |    |    | 5.6            |
| -                       | 6.449   | -       | 6.154   | -       | 6.410   | -       | 6.500   | -       |    |                        |    |    | 6.3            |
| -                       | 7.120   | 7.316   | 7.125   | 7.147   | 7.100   | 7.312   | 7.200   | 7.265   |    |                        |    |    | 7.1            |
| 7.944                   | 7.882   | 8.076   | 7.884   | 8.274   | 7.889   | 8.100   | 8.000   | 8.047   |    |                        |    |    | 8.0            |
| 8.800                   | 8.758   | 8.941   | 8.755   | 9.155   | 8.799   | 9.000   | 8.923   | 8.941   |    |                        |    |    | 9.0            |
| 9.778                   | 9.774   | 9.935   | 9.765   | 10.167  | 9.788   | 10.038  | 9.926   | 9.973   |    |                        |    |    | 10             |
| 10.906                  | 10.967  | 11.087  | 10.951  | 11.340  | 10.887  | 11.167  | 11.040  | 11.094  |    |                        |    |    | 11.2           |
| 12.222                  | 12.139  | 12.440  | 12.432  | 12.717  | 12.176  | 12.420  | 12.348  | 12.339  |    |                        |    |    | 12.5           |
| 13.399                  | 13.708  | 13.769  | 13.915  | 14.438  | 13.712  | 13.891  | 13.905  | 13.801  |    |                        |    |    | 14             |
| 15.685                  | 15.389  | 15.550  | 15.694  | 16.159  | 15.570  | 15.643  | 15.789  | 15.541  |    |                        |    |    | 16             |
| 17.556                  | 17.424  | 17.457  | 17.899  | 18.225  | 18.061  | 17.763  | 18.316  | 17.647  |    |                        |    |    | 18             |
| 19.800                  | 20.297  | 19.765  | 18.988  | 20.786  | 20.117  | 20.605  | 20.400  | 20.471  |    |                        |    |    | 20             |
| 21.418                  | 21.374  | 23.024  | 20.930  | 22.050  | 21.782  | 22.950  | 22.368  | 22.800  |    |                        |    |    | 22.4           |
| 24.187                  | 24.716  | 24.245  | 24.202  | 24.306  | 25.283  | 24.850  | 25.837  | 25.000  |    |                        |    |    | 25             |
| 27.292                  | 27.304  | 28.036  | 26.736  | 28.106  | 28.006  | 28.844  | 28.523  | 28.877  |    | 根据用户要求供货<br>on request |    |    | 28             |
| 31.447                  | 30.248  | 30.971  | 29.619  | 31.048  | 31.117  | 31.950  | 31.579  | 31.879  |    |                        |    |    | 31.5           |
| 36.406                  | 35.514  | 34.311  | 34.776  | 34.397  | 34.708  | 35.500  | 35.088  | 35.294  |    |                        |    |    | 35.5           |
| 40.283                  | 39.756  | 40.284  | 38.929  | 40.385  | 38.897  | 39.596  | 39.158  | 39.216  |    |                        |    |    | 40             |
| 44.733                  | 43.090  | 45.096  | 42.194  | 45.208  | 42.642  | 44.375  | 43.936  | 43.765  |    |                        |    |    | 45             |
| 49.896                  | 48.175  | 48.878  | 47.174  | 49.000  | 49.917  | 48.648  | 48.632  | 49.105  |    |                        |    |    | 50             |
| 55.957                  | 54.229  | 54.647  | 53.102  | 54.783  | 55.870  | 56.948  | 54.920  | 54.353  |    |                        |    |    | 56             |
| 63.171                  | 61.557  | 61.514  | 60.278  | 61.667  | 63.013  | 63.739  | 61.654  | 61.381  |    |                        |    |    | 63             |
| 71.100                  | 67.713  | 69.826  | 66.306  | 70.000  | 68.162  | 71.888  | 69.806  | 68.908  |    |                        |    |    | 71             |
| 80.190                  | 75.481  | 76.809  | 73.912  | 77.000  | 76.974  | 77.762  | 81.316  | 78.019  |    |                        |    |    | 80             |
| 91.457                  | 85.046  | 85.620  | 83.279  | 85.833  | 88.439  | 87.816  | 86.427  | 90.882  |    |                        |    |    | 90             |
| 97.020                  | 97.768  | 96.471  | 95.735  | 96.711  | 100.079 | 100.895 | 99.020  | 96.594  |    |                        |    |    | 100            |
| 110.000                 | 113.186 | 110.901 | 110.833 | 111.176 | 115.862 | 114.174 | 109.386 | 110.670 |    |                        |    |    | 112            |
| 127.803                 | 125.238 | 128.390 | 122.634 | 128.710 | 128.198 | 132.180 | 121.182 | 122.255 |    |                        |    |    | 125            |
| 146.633                 | 139.074 | 142.060 | 136.183 | 142.414 | 142.362 | 146.254 | 142.279 | 135.439 |    |                        |    |    | 140            |
| 160.380                 | 155.125 | 157.756 | 151.900 | 158.148 | 158.792 | 162.413 | 159.273 | 139.017 |    |                        |    |    | 160            |
| 175.901                 | 170.993 | 175.962 | 167.438 | 176.400 | 178.079 | 181.156 | 172.632 | 178.011 |    |                        |    |    | 180            |
| 203.339                 | 189.597 | 193.962 | 185.656 | 194.444 | 201.040 | 203.160 | 193.004 | 192.941 |    |                        |    |    | 200            |
| 225.149                 | 223.845 | 215.065 | 219.192 | 215.600 | 226.272 | 229.355 | 217.257 | 215.711 |    |                        |    |    | 224            |
| 250.594                 | 252.385 | 253.914 | 247.139 | 254.545 | 255.201 | 258.141 | 246.617 | 242.817 |    |                        |    |    | 250            |
| 280.665                 | 282.605 | 286.288 | 276.730 | 287.000 | 291.058 | 291.144 | 271.278 | 275.630 |    |                        |    |    | 280            |
| 316.751                 | 317.021 | 320.566 | 310.431 | 321.364 | 308.76  | 332.052 | 302.399 | 303.193 |    |                        |    |    | 315            |
| 355.625                 | 336.946 | 359.606 | 329.942 | 360.500 | 350.069 | 352.249 | 340.720 | 337.975 |    |                        |    |    | 355            |
| 397.131                 | -       | 382.207 | -       | 383.158 | -       | 399.375 | -       | 380.805 |    |                        |    |    | 400            |
| 447.376                 | -       | -       | -       | -       | -       | -       | -       | -       |    |                        |    |    | 450            |

直交轴齿轮箱 Gevel-helical Gear Units

实际速比 Actual Ratios

类型 YFB2...,YFB3...,YFB4.. Type YFB2...,YFB3...,YFB4..

规格 1...13 size 1...13

| i <sub>n</sub> | 实际速比 i Actual Ratios   |        |        |        |         |         |         |         |         |         |         |         |         |
|----------------|------------------------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                | 齿轮箱规格 Gear units sizes |        |        |        |         |         |         |         |         |         |         |         |         |
|                | 1                      | 2      | 3      | 4      | 5       | 6       | 7       | 8       | 9       | 10      | 11      | 12      | 13      |
| 5.0            | 4.980                  | 5.043  | 4.895  | 4.936  | 5.006   | -       | 4.865   | -       | 5.002   | -       | 4.897   | -       | 4.967   |
| 5.6            | 5.566                  | 5.636  | 5.471  | 5.480  | 5.488   | -       | 5.333   | -       | 5.483   | -       | 5.534   | -       | 5.613   |
| 6.3            | 6.445                  | 6.526  | 6.334  | 6.296  | 6.386   | 6.205   | 6.206   | 6.135   | 6.381   | 6.271   | 6.296   | 6.226   | 6.386   |
| 7.1            | 7.068                  | 7.158  | 6.947  | 6.959  | 7.058   | 6.802   | 6.860   | 6.725   | 7.053   | 6.875   | 7.037   | 7.036   | 7.138   |
| 8.0            | 7.668                  | 7.765  | 7.536  | 7.549  | 7.657   | 7.915   | 7.880   | 7.825   | 8.101   | 8.000   | 7.994   | 8.005   | 8.108   |
| 9.0            | 8.829                  | 8.941  | 8.678  | 8.693  | 8.817   | 8.749   | 8.569   | 8.649   | 8.810   | 8.842   | 8.693   | 8.947   | 8.817   |
| 10             | 10.027                 | 10.154 | 9.855  | 9.872  | 10.108  | 9.490   | 9.823   | 9.935   | 10.099  | 10.157  | 9.965   | 10.164  | 10.108  |
| 11.2           | 10.938                 | 11.077 | 10.751 | 10.769 | 10.923  | 10.928  | 10.615  | 10.804  | 10.914  | 11.045  | 10.769  | 11.052  | 10.923  |
| 12.5           | 12.458                 | 12.615 | 12.244 | 12.034 | 12.703  | 12.528  | 12.433  | 12.385  | 12.554  | 12.662  | 12.334  | 12.670  | 12.482  |
| 14             | 14.005                 | 14.182 | 13.765 | 13.484 | 13.964  | 13.538  | 13.515  | 13.385  | 14.137  | 13.683  | 13.821  | 13.692  | 13.721  |
| 16             | 15.441                 | 15.636 | 14.176 | 15.601 | 15.835  | 15.826  | 16.275  | 15.773  | 15.952  | 15.693  | 15.522  | 15.888  | 16.354  |
| 18             | 17.595                 | 17.818 | 17.294 | 17.482 | 17.407  | 17.307  | 17.692  | 17.041  | 17.963  | 17.724  | 17.393  | 17.572  | 17.978  |
| 20             | -                      | -      | 19.336 | 19.614 | 19.645  | 19.729  | 19.948  | 20.648  | 20.259  | 19.940  | 19.744  | 19.995  | 20.276  |
| 22.4           | -                      | -      | 21.609 | 21.919 | 21.954  | 21.575  | 22.146  | 22.308  | 22.208  | 22.520  | 21.643  | 22.114  | 22.226  |
| 25             | -                      | -      | 25.021 | 25.380 | 25.421  | 24.349  | 25.446  | 25.152  | 25.843  | 25.400  | 25.185  | 25.103  | 25.864  |
| 28             | -                      | -      | 27.442 | 27.836 | 27.881  | 27.211  | 28.125  | 27.923  | 28.563  | 27.842  | 27.836  | 27.517  | 28.587  |
| 31.5           | -                      | -      | 29.769 | 30.196 | 30.245  | 31.508  | 30.509  | 32.084  | 30.985  | 32.400  | 31.975  | 32.021  | 32.838  |
| 35.5           | -                      | -      | 34.279 | 34.771 | 34.827  | 34.557  | 35.131  | 35.461  | 35.679  | 35.811  | 34.771  | 35.392  | 35.709  |
| 40             | -                      | -      | 38.928 | 37.487 | 39.551  | 37.486  | 39.896  | 38.468  | 40.902  | 38.846  | 39.861  | 40.654  | 40.936  |
| 45             | -                      | -      | 42.467 | 43.077 | 43.146  | 43.166  | 43.523  | 44.296  | 44.202  | 44.732  | 43.077  | 44.209  | 44.238  |
| 50             | -                      | -      | 48.365 | 49.060 | 49.139  | 49.021  | 49.568  | 50.304  | 50.341  | 51.280  | 49.060  | 50.681  | 50.383  |
| 56             | -                      | -      | 54.371 | 55.152 | 55.240  | 53.477  | 55.723  | 54.877  | 56.592  | 55.417  | 55.152  | 54.769  | 56.639  |
| 63             | -                      | -      | 59.947 | 60.808 | 60.906  | 60.904  | 61.438  | 62.499  | 62.396  | 63.114  | 60.808  | 62.376  | 62.448  |
| 71             | -                      | -      | 68.312 | 69.293 | 69.404  | 68.467  | 70.011  | 70.259  | 71.102  | 70.951  | 69.293  | 70.121  | 71.161  |
| 80             | -                      | -      | -      | -      | 77.598  | 75.489  | 79.267  | 77.465  | 79.497  | 78.228  | 80.949  | 77.313  | 82.118  |
| 90             | -                      | -      | -      | -      | 86.720  | 86.022  | 88.585  | 88.274  | 88.842  | 89.143  | 89.869  | 88.101  | 90.016  |
| 100            | -                      | -      | -      | -      | 100.413 | 96.178  | 102.572 | 99.945  | 102.869 | 99.667  | 103.259 | 102.921 | 104.750 |
| 112            | -                      | -      | -      | -      | 110.130 | 107.484 | 112.498 | 111.694 | 112.824 | 111.384 | 114.129 | 114.262 | 115.777 |
| 125            | -                      | -      | -      | -      | 119.466 | 124.455 | 122.035 | 129.330 | 122.389 | 128.971 | 123.804 | 131.287 | 125.592 |
| 140            | -                      | -      | -      | -      | 137.567 | 136.499 | 140.525 | 141.846 | 140.933 | 141.452 | 142.562 | 145.106 | 144.621 |
| 160            | -                      | -      | -      | -      | 156.225 | 148.071 | 159.585 | 153.871 | 160.047 | 153.443 | 161.897 | 157.408 | 165.791 |
| 180            | -                      | -      | -      | -      | 170.427 | 170.506 | 174.092 | 177.184 | 174.597 | 176.692 | 176.615 | 181.258 | 179.166 |
| 200            | -                      | -      | -      | -      | 194.098 | 193.631 | 198.272 | 201.215 | 198.847 | 200.656 | 201.145 | 205.841 | 204.050 |
| 224            | -                      | -      | -      | -      | 218.199 | 211.234 | 222.891 | 219.508 | 223.537 | 218.898 | 226.121 | 224.554 | 229.386 |
| 250            | -                      | -      | -      | -      | 240.578 | 240.572 | 245.752 | 249.995 | 246.464 | 249.300 | 249.313 | 255.742 | 252.913 |
| 280            | -                      | -      | -      | -      | 274.147 | 270.443 | 280.042 | 281.036 | 280.855 | 280.256 | 284.101 | 287.497 | 288.204 |
| 315            | -                      | -      | -      | -      | 302.121 | 298.181 | 308.618 | 309.861 | 309.513 | 309.000 | 313.091 | 316.984 | 317.612 |
| 355            | -                      | -      | -      | -      | -       | 339.788 | -       | 353.097 | -       | 352.116 | -       | 361.214 | -       |
| 400            | -                      | -      | -      | -      | -       | 374.460 | -       | 389.127 | -       | 388.046 | -       | 398.073 | -       |
| 450            | -                      | -      | -      | -      | -       | -       | -       | -       | -       | -       | -       | -       | -       |

直交轴齿轮箱 Gevel-helical Gear Units

实际速比 Actual Ratios

类型 YFB2..., YFB3..., YFB4.. Type YFB2..., YFB3..., YFB4..

规格 14...26size 14...26

| 实际速比 i Actual Ratios   |         |         |         |         |         |         |         |         |    |                             |    |    |                |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|----|-----------------------------|----|----|----------------|
| 齿轮箱规格 Gear units sizes |         |         |         |         |         |         |         |         |    |                             |    |    | i <sub>n</sub> |
| 14                     | 15      | 16      | 17      | 18      | 19      | 20      | 21      | 22      | 23 | 24                          | 25 | 26 |                |
| -                      | 4.963   | -       | 4.880   | -       | -       | -       | -       | -       |    |                             |    |    | 5.0            |
| -                      | 5.609   | 5.630   | 5.514   | -       | -       | -       | -       | -       |    |                             |    |    | 5.6            |
| 6.156                  | 6.340   | 6.362   | 6.234   | -       | -       | -       | -       | -       |    |                             |    |    | 6.3            |
| 6.957                  | 7.132   | 7.192   | 7.012   | 7.239   | -       | -       | -       | -       |    |                             |    |    | 7.1            |
| 7.915                  | 8.101   | 8.090   | 7.965   | 8.143   | -       | -       | -       | -       |    |                             |    |    | 8.0            |
| 8.847                  | 8.810   | 9.190   | 8.662   | 9.250   | -       | -       | -       | -       |    |                             |    |    | 9.0            |
| 10.049                 | 10.099  | 9.993   | 9.930   | 10.059  | -       | -       | -       | -       |    |                             |    |    | 10             |
| 10.928                 | 10.914  | 11.456  | 10.731  | 11.531  | -       | -       | -       | -       |    |                             |    |    | 11.2           |
| 12.528                 | 12.172  | 12.380  | 12.770  | 11.531  | 12.062  | -       | 12.256  | -       |    |                             |    |    | 12.5           |
| 13.538                 | 13.810  | 13.832  | 13.790  | 12.462  | 13.709  | 13.698  | 13.902  | 13.719  |    |                             |    |    | 14             |
| 15.552                 | 15.215  | 15.665  | 16.226  | 14.654  | 15.192  | 15.640  | 15.436  | 15.538  |    |                             |    |    | 16             |
| 17.007                 | 17.262  | 17.290  | 17.522  | 16.014  | 17.267  | 17.252  | 17.510  | 17.279  |    |                             |    |    | 18             |
| 20.376                 | 19.379  | 19.581  | 19.762  | 18.620  | 19.607  | 19.698  | 19.883  | 19.570  |    |                             |    |    | 20             |
| 22.282                 | 21.900  | 21.982  | 22.333  | 20.348  | 22.158  | 22.368  | 22.470  | 22.222  |    |                             |    |    | 22.4           |
| 25.131                 | 24.916  | 24.842  | 25.409  | 22.950  | 25.048  | 25.278  | 25.400  | 25.113  |    |                             |    |    | 25             |
| 27.548                 | 27.847  | 28.263  | 28.398  | 25.507  | 28.175  | 28.576  | 28.571  | 28.389  |    |                             |    |    | 28             |
| 32.057                 | 31.634  | 31.588  | 32.259  | 32.979  | 32.005  | 32.143  | 32.456  | 31.933  |    | 根据用户要求<br>求供货<br>on request |    |    | 31.5           |
| 35.432                 | 34.400  | 35.883  | 35.080  | 37.463  | 34.804  | 36.513  | 35.294  | 36.275  |    |                             |    |    | 35.5           |
| 40.700                 | 39.435  | 39.021  | 40.215  | 40.738  | 39.899  | 39.706  | 40.461  | 39.446  |    |                             |    |    | 40             |
| 44.259                 | 42.617  | 44.732  | 43.460  | 46.702  | 43.117  | 45.518  | 43.725  | 45.221  |    |                             |    |    | 45             |
| 50.737                 | 48.536  | 48.341  | 49.496  | 50.469  | 49.106  | 49.190  | 49.798  | 48.869  |    |                             |    |    | 50             |
| 54.831                 | 54.562  | 55.055  | 55.641  | 57.479  | 55.203  | 56.022  | 55.981  | 55.656  |    |                             |    |    | 56             |
| 62.446                 | 60.158  | 61.892  | 61.348  | 64.616  | 60.865  | 62.978  | 61.722  | 62.567  |    |                             |    |    | 63             |
| 70.200                 | 68.553  | 68.239  | 69.909  | 71.243  | 69.358  | 69.438  | 70.335  | 68.984  |    |                             |    |    | 71             |
| 77.400                 | 78.131  | 77.761  | 76.506  | 81.184  | 79.977  | 79.127  | 77.639  | 78.610  |    |                             |    |    | 80             |
| 88.200                 | 85.645  | 88.626  | 83.865  | 88.846  | 87.670  | 91.242  | 87.739  | 86.772  |    |                             |    |    | 90             |
| 101.780                | 99.664  | 97.150  | 97.593  | 97.391  | 102.020 | 100.017 | 99.821  | 98.061  |    |                             |    |    | 100            |
| 111.569                | 110.155 | 113.052 | 107.865 | 113.333 | 112.759 | 116.389 | 111.565 | 111.565 |    |                             |    |    | 112            |
| 129.831                | 126.535 | 124.952 | 123.904 | 125.263 | 129.526 | 128.641 | 126.733 | 124.690 |    |                             |    |    | 125            |
| 143.498                | 137.599 | 143.532 | 134.739 | 143.889 | 140.851 | 147.769 | 137.815 | 141.643 |    |                             |    |    | 140            |
| 155.663                | 157.741 | 156.082 | 154.462 | 156.471 | 161.470 | 160.690 | 157.989 | 154.029 |    |                             |    |    | 160            |
| 179.248                | 170.467 | 178.930 | 166.923 | 179.375 | 174.496 | 184.212 | 170.735 | 176.576 |    |                             |    |    | 180            |
| 205.487                | 194.143 | 193.365 | 190.107 | 193.846 | 198.732 | 199.073 | 194.448 | 190.821 |    |                             |    |    | 200            |
| 222.065                | 218.249 | 220.222 | 213.712 | 220.769 | 223.408 | 226.722 | 218.592 | 217.324 |    |                             |    |    | 224            |
| 252.907                | 240.634 | 247.566 | 235.631 | 248.182 | 246.322 | 254.874 | 241.012 | 244.309 |    |                             |    |    | 250            |
| 284.310                | 274.210 | 272.957 | 268.510 | 273.636 | 280.692 | 281.015 | 274.641 | 269.366 |    |                             |    |    | 280            |
| 313.470                | 302.191 | 311.045 | 295.909 | 311.818 | 309.334 | 320.226 | 302.666 | 306.952 |    |                             |    |    | 315            |
| 357.210                | -       | 342.784 | -       | 343.636 | -       | 352.902 | -       | 338.273 |    |                             |    |    | 355            |
| 393.660                | -       | -       | -       | -       | -       | -       | -       | -       |    |                             |    |    | 400            |
| -                      | -       | -       | -       | -       | -       | -       | -       | -       |    |                             |    |    | 450            |

齿轮箱 Gear Units

冷却盘管 cooling coils

卧式安装 horizontal

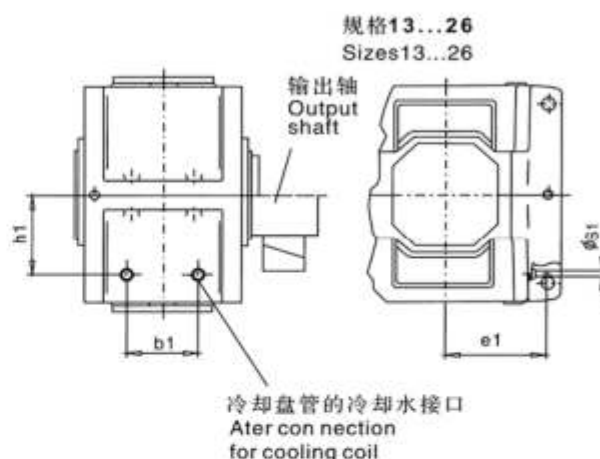
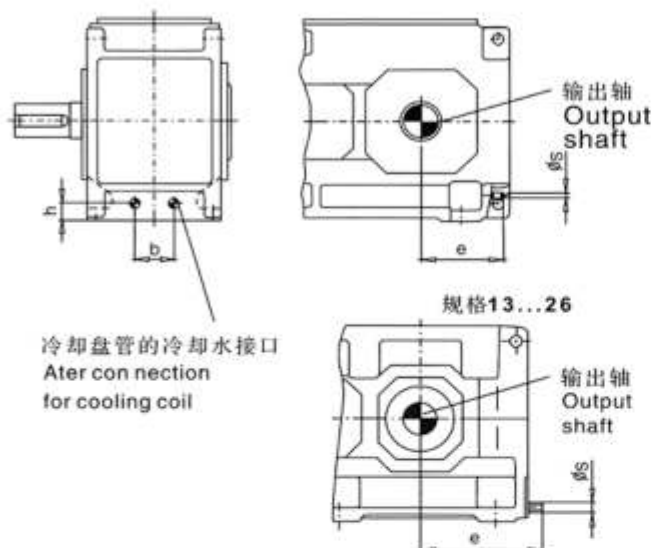
类型 YFH..YFH,YFH..M,YFB..H,YFB..M Typ YFH..YFH,YFH..M,YFB..H,YFB..M

规格 1...26 Sizes1...26

规格 1...12 Sizes1...12

YFH1SH,YFH2.H,YFH3.H,YFB2.H,YFB3.H

YFH2.M,YFH3.M,YFB2.M,YFB3.M



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| 规格<br>Size | Type 类型 YFH1SH         |         |         |      |             | Type 类型 YFH2.H/YFB3.H  |         |         |      |             | Type 类型 YFH3.H         |         |         |      |             | Type 类型 YFB2.H |         |         |      |             |
|------------|------------------------|---------|---------|------|-------------|------------------------|---------|---------|------|-------------|------------------------|---------|---------|------|-------------|----------------|---------|---------|------|-------------|
|            | b<br>mm                | e<br>mm | h<br>mm | s    | 水量<br>water | b<br>mm                | e<br>mm | h<br>mm | s    | 水量<br>water | b<br>mm                | e<br>mm | h<br>mm | s    | 水量<br>water | b<br>mm        | e<br>mm | h<br>mm | s    | 水量<br>water |
| 1          | 30                     | 150     | 45      | G1/4 | 4           | -                      | -       | -       | -    | -           | -                      | -       | -       | -    | -           | 64             | 125     | 40      | G1/4 | 4           |
| 2          | -                      | -       | -       | -    | -           | -                      | -       | -       | -    | -           | -                      | -       | -       | -    | -           | 78             | 130     | 40      | G1/4 | 4           |
| 3          | 48                     | 205     | 74      | G1/2 | 4           | 34                     | 130     | 55      | G1/2 | 4           | -                      | -       | -       | -    | -           | 58             | 140     | 52      | G1/2 | 4           |
| 4          | -                      | -       | -       | -    | -           | 34                     | 155     | 60      | G1/2 | 4           | -                      | -       | -       | -    | -           | 74             | 160     | 54      | G1/2 | 4           |
| 5          | 88                     | 270     | 90      | G1/2 | 4           | 68                     | 170     | 64      | G1/2 | 4           | 70                     | 175     | 60      | G1/2 | 4           | 130            | 175     | 62      | G1/2 | 8           |
| 6          | -                      | -       | -       | -    | -           | 70                     | 215     | 68      | G1/2 | 4           | 70                     | 220     | 69      | G1/2 | 4           | 120            | 220     | 68      | G1/2 | 4           |
| 7          | 124                    | 310     | 135     | G1/2 | 4           | 100                    | 210     | 83      | G1/2 | 4           | 80                     | 210     | 83      | G1/2 | 4           | 140            | 210     | 80      | G1/2 | 8           |
| 8          | -                      | -       | -       | -    | -           | 100                    | 270     | 83      | G1/2 | 4           | 80                     | 270     | 83      | G1/2 | 4           | 140            | 270     | 80      | G1/2 | 4           |
| 9          | 116                    | 365     | 110     | G1/2 | 8           | 140                    | 245     | 110     | G1/2 | 8           | 150                    | 245     | 107     | G1/2 | 4           | 232            | 245     | 110     | G1/2 | 8           |
| 10         | -                      | -       | -       | -    | -           | 100                    | 295     | 95      | G1/2 | 8           | 90                     | 295     | 95      | G1/2 | 4           | 150            | 295     | 90      | G1/2 | 8           |
| 11         | 146                    | 425     | 130     | G1/2 | 8           | 110                    | 275     | 95      | G1/2 | 8           | 200                    | 275     | 115     | G1/2 | 8           | 312            | 275     | 115     | G1/2 | 8           |
| 12         | -                      | -       | -       | -    | -           | 200                    | 360     | 109     | G1/2 | 8           | 200                    | 360     | 115     | G1/2 | 8           | 300            | 360     | 115     | G1/2 | 8           |
| 13         | 152                    | 480     | 150     | G1/2 | 8           | 252                    | 455     | 116     | G1/2 | 8           | 252                    | 460     | 116     | G1/2 | 8           | 324            | 460     | 116     | G1/2 | 8           |
| 14         | -                      | -       | -       | -    | -           | 252                    | 525     | 116     | G1/2 | 8           | 252                    | 530     | 116     | G1/2 | 8           | 324            | 530     | 116     | G1/2 | 8           |
| 15         | 172                    | 560     | 130     | G1/2 | 8           | 290                    | 535     | 119     | G1/2 | 8           | 290                    | 540     | 119     | G1/2 | 8           | 396            | 540     | 119     | G1/2 | 8           |
| 16         | -                      | -       | -       | -    | -           | 290                    | 580     | 119     | G1/2 | 8           | 290                    | 585     | 119     | G1/2 | 8           | 396            | 585     | 119     | G1/2 | 8           |
| 17         | 202                    | 600     | 145     | G1/2 | 8           | 340                    | 575     | 134     | G1/2 | 8           | 300                    | 580     | 134     | G1/2 | 8           | 468            | 580     | 134     | G1/2 | 8           |
| 18         | -                      | -       | -       | -    | -           | 340                    | 635     | 134     | G1/2 | 8           | 300                    | 640     | 134     | G1/2 | 8           | 468            | 640     | 134     | G1/2 | 8           |
| 19         | 根据用户要求供货<br>on request |         |         |      |             | 根据用户要求供货<br>on request |         |         |      |             | 根据用户要求供货<br>on request |         |         |      |             |                |         |         |      |             |
| 20-26      |                        |         |         |      |             |                        |         |         |      |             |                        |         |         |      |             |                |         |         |      |             |

| 规格<br>Size | Type 类型 YFH2.M/YFB3.M  |          |          |      |             | Type 类型 YFH3.M         |          |          |      |             | Type 类型 YFB2.M |          |          |      |             |
|------------|------------------------|----------|----------|------|-------------|------------------------|----------|----------|------|-------------|----------------|----------|----------|------|-------------|
|            | b1<br>mm               | e1<br>mm | h1<br>mm | s1   | 水量<br>water | b1<br>mm               | e1<br>mm | h1<br>mm | s1   | 水量<br>water | b1<br>mm       | e1<br>mm | h1<br>mm | s1   | 水量<br>water |
| 13         | 252                    | 335      | 300      | G1/2 | 8           | 252                    | 335      | 300      | G1/2 | 8           | 324            | 335      | 300      | G1/2 | 8           |
| 14         | 252                    | 405      | 300      | G1/2 | 8           | 252                    | 405      | 300      | G1/2 | 8           | 324            | 405      | 300      | G1/2 | 8           |
| 15         | 290                    | 395      | 335      | G1/2 | 8           | 290                    | 395      | 340      | G1/2 | 8           | 396            | 390      | 345      | G1/2 | 8           |
| 16         | 290                    | 440      | 335      | G1/2 | 8           | 290                    | 440      | 340      | G1/2 | 8           | 396            | 435      | 345      | G1/2 | 8           |
| 17         | 340                    | 425      | 380      | G1/2 | 8           | 300                    | 425      | 380      | G1/2 | 8           | 324            | 425      | 395      | G1/2 | 8           |
| 18         | 340                    | 485      | 380      | G1/2 | 8           | 300                    | 485      | 380      | G1/2 | 8           | 324            | 485      | 395      | G1/2 | 8           |
| 19-26      | 根据用户要求供货<br>on request |          |          |      |             | 根据用户要求供货<br>on request |          |          |      |             |                |          |          |      |             |
|            |                        |          |          |      |             |                        |          |          |      |             |                |          |          |      |             |

1) 冷却水需要量 (l/min)

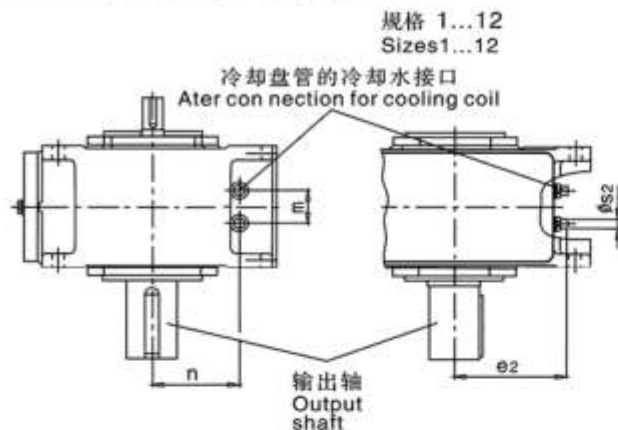
冷却盘管适用于淡水、海水和半咸水。

1) Water quantity (l/min)

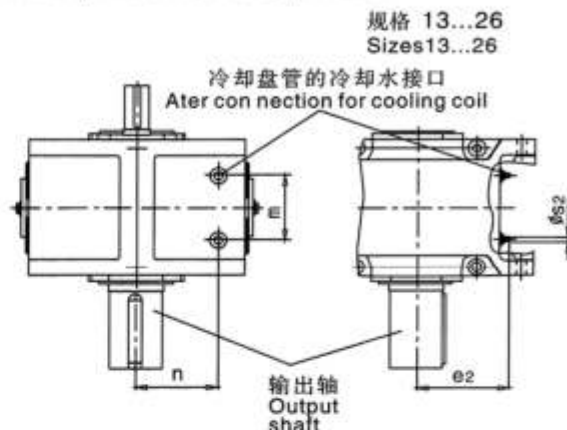
cooling coil suitable for fresh, sea and brackish water.

齿轮箱 Gear Units  
冷却盘管 cooling coils  
立式安装 Vertical  
类型 H..V, B..V Typ H..V, B..V  
规格 1...26 size 1...26

YFH2.V, YFH3.V, YFB2.V, YFB3.V



YFH2.V, YFH3.V, YFB2.V, YFB3.V



| 规格<br>Size | Type 类型 YFH2.V/YFB3.V  |         |          |      |             |     | Type 类型 YFH3.V         |         |          |    |             |     | Type 类型 YFB2.V |         |          |      |             |  |
|------------|------------------------|---------|----------|------|-------------|-----|------------------------|---------|----------|----|-------------|-----|----------------|---------|----------|------|-------------|--|
|            | m<br>mm                | n<br>mm | e2<br>mm | e2   | 水量<br>water |     | m<br>mm                | n<br>mm | e2<br>mm | e2 | 水量<br>water |     | m<br>mm        | n<br>mm | e2<br>mm | e2   | 水量<br>water |  |
| 1          | -                      | -       | -        | -    | -           | -   | -                      | -       | -        | -  | -           | -   | 64             | 90      | 125      | G1/4 | 4           |  |
| 2          | -                      | -       | -        | -    | -           | -   | -                      | -       | -        | -  | -           | -   | 78             | 105     | 130      | G1/4 | 4           |  |
| 3          | 34                     | 120     | 130      | G1/2 | 4           | -   | -                      | -       | -        | -  | -           | -   | 58             | 123     | 140      | G1/2 | 4           |  |
| 4          | 34                     | 140     | 155      | G1/2 | 4           | -   | -                      | -       | -        | -  | -           | -   | 74             | 146     | 160      | G1/2 | 4           |  |
| 5          | 68                     | 166     | 170      | G1/2 | 4           | 70  | 170                    | 175     | G1/2     | 4  | 4           | 130 | 168            | 175     | G1/2     | 8    |             |  |
| 6          | 70                     | 162     | 215      | G1/2 | 4           | 70  | 161                    | 220     | G1/2     | 4  | 4           | 120 | 162            | 220     | G1/2     | 4    |             |  |
| 7          | 100                    | 197     | 210      | G1/2 | 4           | 80  | 197                    | 210     | G1/2     | 4  | 4           | 140 | 200            | 210     | G1/2     | 8    |             |  |
| 8          | 100                    | 197     | 270      | G1/2 | 4           | 80  | 197                    | 270     | G1/2     | 4  | 4           | 140 | 200            | 270     | G1/2     | 4    |             |  |
| 9          | 140                    | 210     | 245      | G1/2 | 8           | 150 | 213                    | 245     | G1/2     | 4  | 4           | 232 | 210            | 245     | G1/2     | 8    |             |  |
| 10         | 100                    | 225     | 295      | G1/2 | 8           | 90  | 225                    | 295     | G1/2     | 4  | 4           | 150 | 230            | 295     | G1/2     | 8    |             |  |
| 11         | 110                    | 285     | 275      | G1/2 | 8           | 200 | 265                    | 275     | G1/2     | 8  | 8           | 312 | 265            | 275     | G1/2     | 8    |             |  |
| 12         | 200                    | 271     | 360      | G1/2 | 8           | 200 | 265                    | 360     | G1/2     | 8  | 8           | 300 | 265            | 360     | G1/2     | 8    |             |  |
| 13         | 252                    | 300     | 335      | G1/2 | 8           | 252 | 300                    | 335     | G1/2     | 8  | 8           | 324 | 300            | 335     | G1/2     | 8    |             |  |
| 14         | 252                    | 300     | 405      | G1/2 | 8           | 252 | 300                    | 405     | G1/2     | 8  | 8           | 324 | 300            | 405     | G1/2     | 8    |             |  |
| 15         | 290                    | 335     | 395      | G1/2 | 8           | 290 | 340                    | 395     | G1/2     | 8  | 8           | 396 | 345            | 390     | G1/2     | 8    |             |  |
| 16         | 290                    | 335     | 440      | G1/2 | 8           | 290 | 340                    | 440     | G1/2     | 8  | 8           | 396 | 345            | 435     | G1/2     | 8    |             |  |
| 17         | 340                    | 380     | 425      | G1/2 | 8           | 300 | 380                    | 425     | G1/2     | 8  | 8           | 324 | 395            | 425     | G1/2     | 8    |             |  |
| 18         | 340                    | 380     | 485      | G1/2 | 8           | 300 | 380                    | 485     | G1/2     | 8  | 8           | 324 | 395            | 485     | G1/2     | 8    |             |  |
| 19-26      | 根据用户要求供货<br>on request |         |          |      |             |     | 根据用户要求供货<br>on request |         |          |    |             |     |                |         |          |      |             |  |

| 冷却盘管适用于      Cooling coil for |            |                        |                      |   |   |                                                       |                      |   |   |                                                  |                                |   |   |  |
|-------------------------------|------------|------------------------|----------------------|---|---|-------------------------------------------------------|----------------------|---|---|--------------------------------------------------|--------------------------------|---|---|--|
| 规格<br>Size                    | 规格<br>Size | 浸油润滑<br>Diplubrication |                      |   |   | 法兰泵强制润滑<br>Forced lubrication with<br>flanged-on pump |                      |   |   | 电动泵强制润滑<br>Forced lubrication with<br>motor pump |                                |   |   |  |
|                               |            |                        | 适用布置形式<br>For design |   |   |                                                       | 适用布置形式<br>For design |   |   |                                                  | 适用布置形式<br>For design           |   |   |  |
|                               |            | A                      | B                    | C | D | A                                                     | B                    | C | D | A                                                | B                              | C | D |  |
| H2.V                          | 3-4        | x                      | x                    | x | x | -                                                     | -                    | - | - |                                                  |                                |   |   |  |
|                               | 5-12       | x                      | x                    | x | x | -                                                     | x                    | - | x |                                                  |                                |   |   |  |
|                               | 13-18      | -                      | -                    | - | - | -                                                     | x                    | - | x |                                                  |                                |   |   |  |
| H3.V                          | 5-12       | x                      | x                    | x | x | -                                                     | x                    | - | x |                                                  | 按 客 户<br>要 求 供 货<br>On request |   |   |  |
|                               | 13-18      | -                      | -                    | - | - | -                                                     | x                    | - | x |                                                  |                                |   |   |  |
| B2.V                          | 1-4        | x                      | x                    | x | x | -                                                     | -                    | - | - |                                                  |                                |   |   |  |
|                               | 5-12       | x                      | x                    | x | x | x                                                     | x                    | - | - |                                                  |                                |   |   |  |
|                               | 13-18      | -                      | -                    | - | - | x                                                     | x                    | - | - |                                                  |                                |   |   |  |
| B3.V                          | 3-4        | x                      | x                    | x | x | -                                                     | -                    | - | - |                                                  |                                |   |   |  |
|                               | 5-12       | x                      | x                    | x | x | -                                                     | -                    | x | x |                                                  |                                |   |   |  |
|                               | 13-18      | -                      | -                    | - | - | -                                                     | -                    | x | x |                                                  |                                |   |   |  |

x=可供货

(1) 冷却水需要量 (l/min)

冷却盘管适用于淡水、海水和半咸水。

(1) Water quantity (l/min)

cooling coil suitable for fresh, sea and brackish water

齿轮箱 Gear Units

润滑油供给方式可选方案 Oil supply variants for vertical

类型 YFH2...H4, YFB2...B4 Type YFH2...H4, YFB2...B4

规格 1...18 Size 1...18 立式安装 Vertical

立式安装齿轮箱所用的各种润滑油供给方式列于表 27。

Oil supply variants for vertical gear units can be derived from table 27

| 表 27          |            | Table 27               |                                                       |                                                  |
|---------------|------------|------------------------|-------------------------------------------------------|--------------------------------------------------|
| 类型 1)<br>Type | 规格<br>Size | 浸油润滑<br>Diplubrication | 法兰泵强制润滑<br>Forced lubrication with<br>flanged-on pump | 电动泵强制润滑<br>Forced lubrication with<br>motor pump |
| YFH2.V        | 3 ... 4    | X                      | —                                                     | —                                                |
|               | 5 ... 12   | X                      | X                                                     | —                                                |
|               | 13 ... 18  | —                      | X                                                     | —                                                |
| YFH3.V        | 5 ... 12   | X                      | X                                                     | X                                                |
|               | 13 ... 18  | —                      | X                                                     | X                                                |
| YFH4.V        | 7 ... 12   | X                      | X                                                     | X                                                |
|               | 13 ... 18  | —                      | —                                                     | X                                                |
| YFB2.V        | 1 ... 4    | X                      | —                                                     | —                                                |
|               | 5 ... 12   | X                      | X                                                     | X                                                |
|               | 13 ... 18  | —                      | X                                                     | X                                                |
| YFB3.V        | 3 ... 4    | X                      | —                                                     | —                                                |
|               | 5 ... 12   | X                      | X                                                     | X                                                |
|               | 13 ... 18  | —                      | X                                                     | X                                                |
| YFB4.V        | 5 ... 12   | X                      | X                                                     | X                                                |
|               | 13 ... 18  | —                      | —                                                     | X                                                |

推荐供油方式：

规格 6 号(含)以下各型:浸油润滑,

规格 7 号以上各型:强制润滑

Preferred order:

up to size 6:Diplubrication

From size 7 up:Forced lubrication

对各种润滑油供给方式的说明

浸油润滑:

当采用浸油润滑时,所有需要润滑的零部件均需浸在润滑油液中。

附带的补偿油箱用于存储涨溢的油液。

强制润滑:

当采用强制润滑时,所有未浸在润滑油液中的零部件均通过一个法兰联接油泵或单独的电动油泵进行飞溅润滑。

Notes on the individual oil supply variants

Diplubrication:

In case of dip lubrication, all parts to be lubricated are lying in the oil. An oil compensating tank has been fitted for oil expansion. Criteria for selection,

Forced lubrication:

In case of forced lubrication all parts which are not lying in oil are splash lubricated by means of a flanged-on pump or by a separate motor pump.

齿轮箱 Gear Units

浸油润滑方式 Dip lubrication

类型 YFH2...H4,YFB2...B4 Type YFH2...H4,YFB2...B4

规格 1...12 size 1...12

立式安装 Vertical

当选用浸油润滑方式时,必须满足下列要求:

a)最大输入转速 $n_1$ ,参见表28;

b)允许油温,参见表29。

For the design with dip lubrication the following criteria have be observed :

a)Maximum input speed  $n_1$ ,see table28

b) Permissible oil temperatures,see table29

表 28

Table 28

| 规格<br>Size | 类型 Type                                                   |                                    |            |            |           |            |                                            |                              |                        |              |           |            |
|------------|-----------------------------------------------------------|------------------------------------|------------|------------|-----------|------------|--------------------------------------------|------------------------------|------------------------|--------------|-----------|------------|
|            | YFH2.V                                                    |                                    | YFH2.V     |            | YFH4.V    |            | YFB2.V                                     |                              | YFB3.V                 |              | YFB4.V    |            |
|            | $i_N$                                                     | $n_{1max}$                         | $i_N$      | $n_{1max}$ | $i_N$     | $n_{1max}$ | $i_N$                                      | $n_{1max}$                   | $i_N$                  | $n_{1max}$   | $i_N$     | $n_{1max}$ |
| 1          | -                                                         | -                                  | -          | -          | -         | -          | 5 - 6.3<br>7.1 - 8<br>9 - 18               | 1200<br>1500<br>1800         | -                      | -            | -         | -          |
| 2          | -                                                         | -                                  | -          | -          | -         | -          | 5 - 5.6<br>6.3 - 8<br>9 - 10<br>11.2 - 18  | 1000<br>1200<br>1500<br>1800 | -                      | -            | -         | -          |
| 3          | 6.3 - 7.1<br>8 - 10<br>11.2 - 22.4                        | 1200<br>1500<br>1800               | -          | -          | -         | -          | 5 - 7.1<br>8 - 9<br>10 - 12.5<br>14 - 18   | 1000<br>1200<br>1500<br>1800 | 20 - 71                | 1800         | -         | -          |
| 4          | 6.3 - 10<br>11.2 - 12.5<br>14 - 22.4                      | 1200<br>1500<br>1800               | -          | -          | -         | -          | 5 - 5.6<br>6.3 - 7.1<br>8 - 9<br>10 - 11.2 | 750<br>900<br>1000<br>1200   | 12.5 - 71              | 1800         | -         | -          |
| 5          | 6.3 - 9<br>10 - 12.5<br>14 - 16<br>18 - 22.4              | 1000<br>1200<br>1500<br>1800       | 25 - 90    | 1800       | -         | -          | 6.3 - 7.1<br>8 - 9<br>10 - 11.2            | 750<br>900<br>1000           | 12.5 - 71              | 1800         | 80 - 315  | 1800       |
| 6          | 8 - 11.2<br>12.5 - 16<br>18 - 20<br>22.4 - 28             | 1000<br>1200<br>1500<br>1800       | 31.5 - 112 | 1800       | -         | -          | 9<br>10 - 11.2<br>12.5 - 14                | 750<br>900<br>1000           | 16 - 90                | 1800         | 100 - 400 | 1800       |
| 7          | 6.3 - 7.1<br>8 - 9<br>10 - 11.2<br>12.5 - 16<br>18 - 22.4 | 750<br>900<br>1000<br>1200<br>1500 | 25 - 90    | 1800       | 100 - 355 | 1800       | 9 - 10<br>11.2                             | 750<br>900                   | 12.5 - 25<br>28 - 71   | 1500<br>1800 | 80 - 315  | 1800       |
| 8          | 8 - 9<br>10 - 11.2<br>12.5 - 14<br>16 - 20<br>22.4 - 28   | 750<br>900<br>1000<br>1200<br>1500 | 31.5 - 112 | 1800       | 125 - 450 | 1800       | 11.2 - 12.5<br>14                          | 750<br>900                   | 16 - 31.5<br>35.5 - 90 | 1500<br>1800 | 100 - 400 | 1800       |
| 9          | 6.3 - 7.1<br>8 - 10<br>11.2 - 22.4                        | 1200<br>1500<br>1800               | 25 - 90    | 1800       | 100 - 355 | 1800       | 5 - 5.6<br>6.3 - 7.1<br>8 - 10<br>11.2     | 900<br>1000<br>1200<br>1500  | 12.5 - 71              | 1800         | 80 - 315  | 1800       |
| 10         | 8 - 9<br>10 - 12.5<br>14 - 28                             | 1200<br>1500<br>1800               | 31.5 - 112 | 1800       | 125 - 450 | 1800       | 6.3 - 7.1<br>8 - 9<br>10 - 12.5<br>14      | 900<br>1000<br>1200<br>1500  | 16 - 90                | 1800         | 100 - 400 | 1800       |
| 11         | 6.3 - 7.1<br>8 - 10<br>11.2 - 12.5<br>14 - 22.4           | 1000<br>1200<br>1500<br>1800       | 25 - 90    | 1800       | 100 - 355 | 1800       | 5.6 - 6.3<br>7.1 - 8<br>9 - 10<br>11.2     | 750<br>900<br>1000<br>1200   | 12.5 - 22.4<br>25 - 71 | 1500<br>1800 | 80 - 315  | 1800       |
| 12         | 8 - 9<br>10 - 12.5<br>14 - 16<br>18 - 28                  | 1000<br>1200<br>1500<br>1800       | 31.5 - 112 | 1800       | 125 - 450 | 1800       | 7.1 - 8<br>9 - 10<br>11.2 - 12.5<br>14     | 750<br>900<br>1000<br>1200   | 16 - 28<br>31.5 - 90   | 1500<br>1800 | 100 - 400 | 1800       |

 $n_1$  和  $i_N$  值不在表28所列范围内的齿轮箱必须采用强制

润滑方式。

must be designed for forced lubrication

表 29

Table 29

| 40℃ 温度下的ISO-VG粘度, mm <sup>2</sup> /s (cSt)<br>Viscosity ISO-VG at 40℃ mm <sup>2</sup> /s (cSt) | 浸油润滑允许极限温度,℃<br>Permissible temperature limit in °C dip lubrication |                      |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------|
|                                                                                                | 矿物油<br>Mineral oil                                                  | 合成油<br>Synthetic oil |
| VG 220                                                                                         | -15                                                                 | -25                  |
| VG 320                                                                                         | -12                                                                 | -25                  |
| VG 460                                                                                         | -9                                                                  | -25                  |

若油温低于表中所列数值,则必须对润滑油进行加热。 If the temperatures are below the values as listed in the table, the oil must be heated.

当采用浸油润滑时,油温不行低于所用润滑油的倾点。 In case of dip lubrication, the oil temperature must not be below the pour point of the selected oil.

齿轮箱 Gear Units

强制润滑方式 Forced lubrication

类型 YFH2...H4, YFB2...B4 Type YFH2...H4, YFB2...B4

规格 5...18 size 5...18 立式安装 Vertical

表 30

Table30

| 40℃ 温度下的 ISO-<br>VG 粘度, mm <sup>2</sup> /s (cSt)<br>Viscosity ISO-VG<br>at 40℃ mm <sup>2</sup> /s (cSt) | 强制润滑允许极限温度, °C<br>Permissible temperature limit in °C forced lubrication |        |                      |        |
|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------|----------------------|--------|
|                                                                                                         | 矿物油<br>Mineral oil                                                       |        | 合成油<br>Synthetic oil |        |
|                                                                                                         | 最低 min                                                                   | 最高 max | 最低 min               | 最高 max |
| VG 220                                                                                                  | 10                                                                       | 80     | 0                    | 90     |
| VG 320                                                                                                  | 15                                                                       | 90     | 5                    | 100    |
| VG 460                                                                                                  | 20                                                                       | 95     | 10                   | 105    |

强制润滑:

当采用强制润滑时, 启动时的工作粘度不得超过 1800cSt。

最低工作粘度不得小于 25cSt。

当油温低于表 30 所列的数值时, 必须提供浸油润滑方式, 或者对润滑油进行加热。

Forced lubrication:

In case of forced lubrication, the viscosity 1800cSt must not be exceeded during starting. A minimum operating viscosity of 25 cSt must be ensured. If the temperatures are below the values as listed in table 30, dip lubrication has to be provided or the oil must be heated.

表 31

Table31

| 立式安装平行轴齿轮箱采用法兰泵<br>Vertical case of flanged-on pump |                         |                            |           |                                   |                            |           |           |                                   |
|-----------------------------------------------------|-------------------------|----------------------------|-----------|-----------------------------------|----------------------------|-----------|-----------|-----------------------------------|
| 类 型<br>Type                                         | n <sub>1</sub><br>r/min | 齿轮箱规格<br>Gearvnits sizes   |           | 法兰泵规格<br>Flanged-on<br>pump sizes | 齿轮箱规格<br>Gearvnits sizes   |           |           | 法兰泵规格<br>Flanged-on<br>pump sizes |
|                                                     |                         | 5,7,9,11                   | 6,8,10,12 |                                   | 13,15,17                   | 14        | 16,18     |                                   |
|                                                     |                         | 速比 Ratio<br>i <sub>N</sub> |           |                                   | 速比 Ratio<br>i <sub>N</sub> |           |           |                                   |
| YFH2.V <sup>1)</sup>                                | 750-1800                | 6.3 - 22.4                 | 8 - 28    | KSW 1                             | 6.3 - 22.4                 | 8 - 28    | 7.1 - 25  | KSW 2                             |
| YFH3.V <sup>1)</sup>                                | 1201-1800               | 25 - 35.5                  | 31.5 - 45 | KSW 2                             | 22.4 - 35.5                | 28 - 45   | 25 - 40   | KSW 3                             |
|                                                     |                         | 40 - 71                    | 50 - 90   | KSW 3                             | 40 - 71                    | 50 - 90   | 45 - 80   | KSW 4                             |
|                                                     |                         | 80 - 90                    | 100 - 112 | *                                 | 80 - 90                    | 100 - 112 | 90 - 100  | *                                 |
|                                                     | 901-1200                | 25 - 50                    | 31.5 - 63 | KSW 3                             | 22.4 - 25                  | 28 - 31.5 | 25 - 28   | KSW 3                             |
|                                                     |                         | 56 - 90                    | 71 - 112  | *                                 | 28 - 45                    | 35.5 - 56 | 31.5 - 50 | KSW 4                             |
|                                                     |                         |                            |           |                                   | 50 - 90                    | 63 - 112  | 56 - 100  | *                                 |
|                                                     | 750 - 900               | 25 - 35.5                  | 31.5 - 45 | KSW 3                             | 22.4 - 35.5                | 28 - 45   | 25 - 40   | KSW 4                             |
|                                                     |                         | 40 - 90                    | 50 - 112  | *                                 | 40 - 90                    | 50 - 112  | 45 - 100  | *                                 |
| YFH4.V <sup>1)</sup>                                | 1201-1800               | 100 - 180                  | 125 - 224 | KSW 3                             | 100 - 355                  | 125 - 450 | 112 - 400 |                                   |
|                                                     |                         | 200 - 355                  | 250 - 450 | *                                 |                            |           |           |                                   |
|                                                     | 901-1200                | 100 - 125                  | 125 - 160 | KSW 3                             |                            |           |           |                                   |
|                                                     |                         | 140 - 355                  | 180 - 450 | *                                 |                            |           |           |                                   |
|                                                     | 750 - 900               | 100 - 355                  | 125 - 450 | *                                 |                            |           |           |                                   |
| ★=电动泵参见表32<br>★=motor pump see Table32              |                         |                            |           |                                   |                            |           |           |                                   |

1) 布置形式 B、D 1) Design B、D

表 32

Table 32

| 立式安装采用电动泵<br>Helical Gear Units Vertical motor pump |          |                                    |
|-----------------------------------------------------|----------|------------------------------------|
| 类 型 Type                                            | 规 格 Size | 油 泵 Pump                           |
| YFH2.V YFB2V                                        | 5 ... 18 | YFH2V ( KSW、KSW2 ) YFB2V ( SF2/5 ) |
| YFH3.V YFB3V                                        |          | SF 2/8                             |
| YFH4.V YFB4V                                        | 7 ... 12 |                                    |
|                                                     | 13... 18 | SF 2/13                            |

表 33

Table 33

| 立式安装直交轴齿轮箱采用法兰泵<br>Bevel-helical Gear Units Vertical case of flanged-on pump |                         |                            |           |                                   |                            |            |            |                                   |
|------------------------------------------------------------------------------|-------------------------|----------------------------|-----------|-----------------------------------|----------------------------|------------|------------|-----------------------------------|
| 类型<br>Type                                                                   | n <sub>1</sub><br>r/min | 齿轮箱规格<br>Gearvnits sizes   |           | 法兰泵规格<br>Flanged-on<br>pump sizes | 齿轮箱规格<br>Gearvnits sizes   |            |            | 法兰泵规格<br>Flanged-on<br>pump sizes |
|                                                                              |                         | 5,7,9,11                   | 6,8,10,12 |                                   | 13,15,17                   | 14         | 16,18      |                                   |
|                                                                              |                         | 速比 Ratio<br>i <sub>N</sub> |           |                                   | 速比 Ratio<br>i <sub>N</sub> |            |            |                                   |
| YFB2.V <sup>1)</sup>                                                         | 1201 - 1800             | 5 - 6.3                    | 6.3 - 8   | KSW 1                             | 5 - 8                      | 6.3 - 10   | 5.6 - 9    | KSW 2                             |
|                                                                              |                         | 7.1 - 11.2                 | 9 - 14    | KSW 2                             | 9 - 11.2                   | 11.2 - 14  | 10 - 12.5  | KSW 3                             |
|                                                                              | 901 - 1200              | 5 - 8                      | 6.3 - 10  | KSW 2                             | 5                          | 6.3        | 5.6        | KSW 2                             |
|                                                                              |                         | 9 - 11.2                   | 11.2 - 14 | KSW 3                             | 5.6 - 11.2                 | 7.1 - 14   | 6.3 - 12.5 | KSW 3                             |
|                                                                              | 750 - 900               | 5 - 6.3                    | 6.3 - 8   | KSW 2                             | 5 - 10                     | 6.3 - 12.5 | 5.6 - 11.2 | KSW 3                             |
|                                                                              |                         | 7.1 - 10                   | 9 - 12.5  | KSW 3                             | 11.2                       | 14         | 12.5       | *                                 |
|                                                                              |                         | 11.2                       | 14        | *                                 |                            |            |            |                                   |
| YFB3.V <sup>2)</sup>                                                         | 1201 - 1800             | 12.5 - 35.5                | 16 - 45   | KSW 2                             | 12.5 - 35.5                | 16 - 45    | 14 - 40    | KSW 3                             |
|                                                                              |                         | 40 - 71                    | 50 - 90   | KSW 3                             | 40 - 71                    | 50 - 90    | 45 - 80    | KSW 4                             |
|                                                                              | 901 - 1200              | 12.5 - 25                  | 16 - 31.5 | KSW 2                             | 12.5 - 25                  | 16 - 31.5  | 14 - 28    | KSW 3                             |
|                                                                              |                         | 28 - 50                    | 35.5 - 63 | KSW 3                             | 28 - 50                    | 35.5 - 63  | 31.5 - 56  | KSW 4                             |
|                                                                              |                         | 56 - 71                    | 71 - 90   | *                                 | 56 - 71                    | 71 - 90    | 63 - 80    | *                                 |
|                                                                              | 750 - 900               | 12.5 - 35.5                | 16 - 45   | KSW 3                             | 12.5 - 35.5                | 16 - 45    | 14 - 40    | KSW 4                             |
| 40 - 71                                                                      |                         | 50 - 90                    | *         | 40 - 71                           | 50 - 90                    | 45 - 80    | *          |                                   |
| YFB4.V <sup>1)</sup>                                                         | 1201 - 1800             | 80 - 125                   | 100 - 160 | KSW 2                             | 80 - 315                   | 100 - 400  | 90 - 355   | *                                 |
|                                                                              |                         | 140 - 250                  | 180 - 315 | KSW 3                             |                            |            |            |                                   |
|                                                                              |                         | 280 - 315                  | 355 - 400 | *                                 |                            |            |            |                                   |
|                                                                              | 901 - 1200              | 80 - 180                   | 100 - 224 | KSW 3                             |                            |            |            |                                   |
|                                                                              |                         | 200 - 315                  | 250 - 400 | *                                 |                            |            |            |                                   |
|                                                                              | 750 - 900               | 80 - 125                   | 100 - 160 | KSW 3                             |                            |            |            |                                   |
| 140 - 315                                                                    |                         | 180 - 400                  | *         |                                   |                            |            |            |                                   |
| ★ = 所需电动泵,参见表34-35<br>Motor pump see 34-35                                   |                         |                            |           |                                   |                            |            |            |                                   |

1) 布置形式 A、B

1) Design A、B

2) 布置形式 C、D

2) Design C、D

齿轮箱

电动泵强制润滑方式

类型 YFH3、YFH4、YFB2、YFB3、YFB4

规格 5...18 立式安装

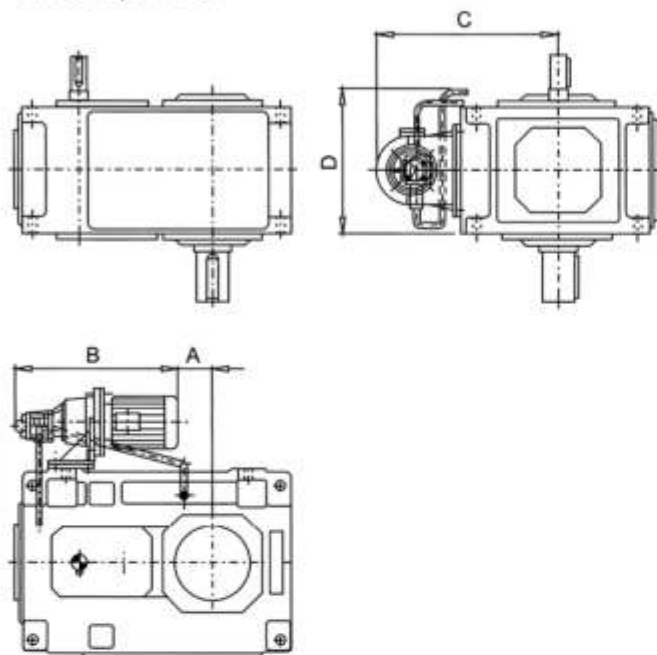
Geat Vnits

Forced lubrication motor pump

type YFH3、YFH4、YFB2、YFB3、YFB4

Size 5...18 Vertical

YFH3.V,YFH4.V



YFB2.V,YFB3.V,YFB4.V

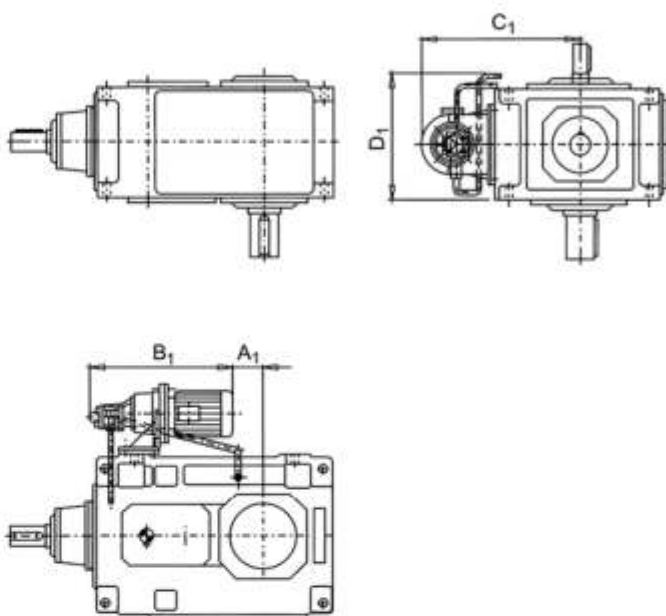


表 34 Table 34

安装尺寸 mm Dimension sin mm

| 类型<br>Type | 规格<br>Size | A         | B    | C   | D   |
|------------|------------|-----------|------|-----|-----|
| YFH3.V     | 5/ 6       | -25 / 10  | 560  | 495 | 350 |
|            | 7/ 8       | 55 / 100  | 595  | 545 | 425 |
|            | 9/10       | 140 / 190 | 615  | 585 | 495 |
|            | 11/12      | 375 / 445 | 535  | 645 | 560 |
|            | 13/14      | 155 / 225 | 875  | 695 | 680 |
|            | 15/16      | 275 / 320 | 960  | 735 | 745 |
|            | 17/18      | 250 / 310 | 1035 | 795 | 810 |
| YFH4.V     | 5/ 6       | -         | -    | -   | -   |
|            | 7/ 8       | 55 / 100  | 590  | 545 | 425 |
|            | 9/10       | 140 / 190 | 630  | 585 | 495 |
|            | 11/12      | 375 / 445 | 560  | 645 | 560 |
|            | 13/14      | 135 / 205 | 910  | 695 | 665 |
|            | 15/16      | 255 / 300 | 995  | 735 | 745 |
|            | 17/18      | 230 / 280 | 1070 | 795 | 810 |

表 35 Table 35

安装尺寸 mm Dimension sin mm

| 类型<br>Type | 规格<br>Size | A <sub>1</sub> | B <sub>1</sub> | C <sub>1</sub> | D <sub>1</sub> |
|------------|------------|----------------|----------------|----------------|----------------|
| YFB2.V     | 5/ 6       | -160 / -120    | 475            | 495            | 450            |
|            | 7/ 8       | 5 / 50         | 475            | 545            | 540            |
|            | 9/10       | 60 / 110       | 475            | 585            | 560            |
|            | 11/12      | 150 / 220      | 475            | 645            | 645            |
|            | 13/14      | -70 / 0        | 530            | 690            | 810            |
|            | 15/16      | 15 / 60        | 530            | 730            | 920            |
|            | 17/18      | -5 / 55        | 530            | 790            | 1025           |
| YFB3.V     | 5/ 6       | -85 / -50      | 475            | 495            | 375            |
|            | 7/ 8       | -5 / 40        | 475            | 545            | 435            |
|            | 9/10       | 65 / 115       | 475            | 585            | 505            |
|            | 11/12      | 280 / 350      | 475            | 645            | 565            |
|            | 13/14      | 90 / 160       | 530            | 690            | 680            |
|            | 15/16      | 175 / 220      | 530            | 730            | 755            |
|            | 17/18      | 220 / 280      | 530            | 790            | 815            |
| YFB4.V     | 5/ 6       | -35 / 0        | 475            | 495            | 360            |
|            | 7/ 8       | 55 / 100       | 475            | 545            | 425            |
|            | 9/10       | 140 / 190      | 475            | 585            | 495            |
|            | 11/12      | 375 / 445      | 475            | 645            | 560            |
|            | 13/14      | 135 / 205      | 530            | 695            | 665            |
|            | 15/16      | 255 / 300      | 530            | 735            | 745            |
|            | 17/18      | 230 / 290      | 530            | 795            | 810            |