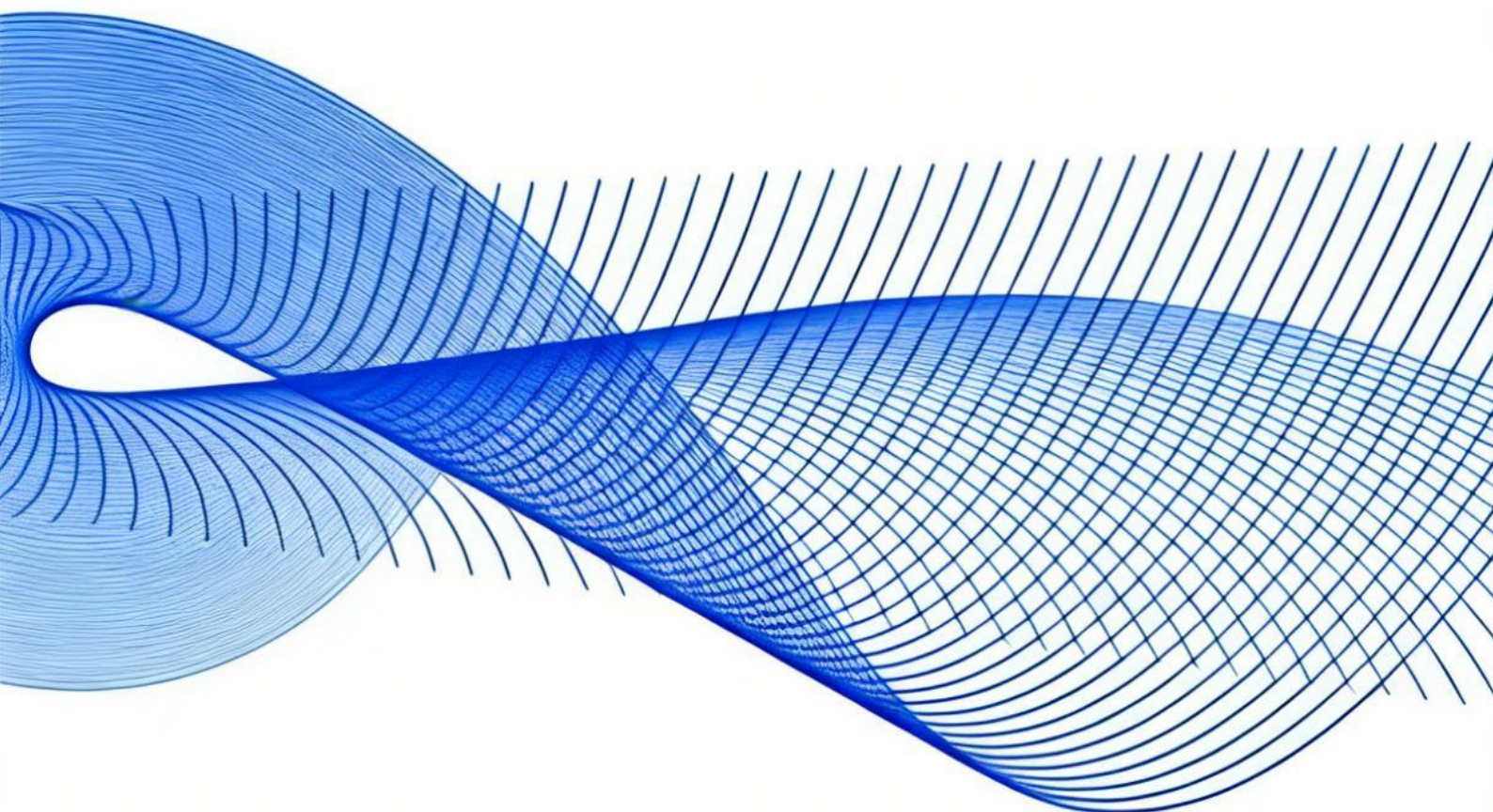


Hangzhou GT Rail Traffic Equipment Co., Ltd

IVH Drive: Global Power Transmission Solutions



HB Series Heavy-Duty Industrial Gear Unit Catalogue

About Us

IVH DRIVE was founded in 2011 and headquartered in Hangzhou, is a National High-Tech Enterprise integrating R&D, manufacturing, and sales. With over 150 employees (15% in R&D) and a 32,000 m² smart production base, the company achieves an annual turnover of 150 million RMB (with 30% from exports), maintaining steady growth. Holding prestigious international certifications such as CE, UL, and CSA, IVH DRIVE is committed to providing domestic alternatives for high-end transmission equipment, delivering high-efficiency and high-stability power solutions for the global rail traffic and industrial sectors. Our products are widely utilized in diverse industries, including smart logistics, food packaging, energy & mining, and construction machinery. To date, we have exported to 25 countries, with a business footprint spanning Europe, North America, Southeast Asia, and the Middle East, making us your trusted partner for industrial power.

2011

SINCE

25+

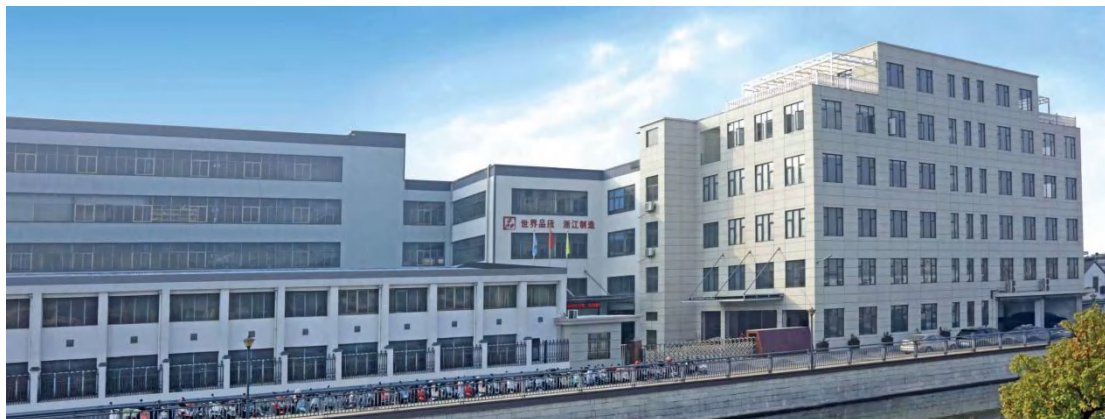
EXPORT COUNTRIES

40+

PRODUCT COVERAGE

8

FACTORIES DISTRIBUTION

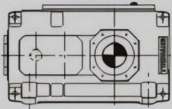
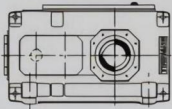
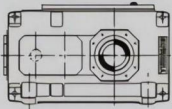
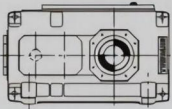
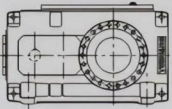
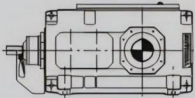
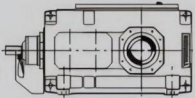
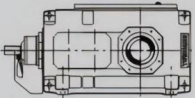
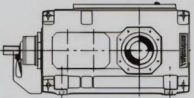
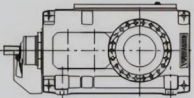
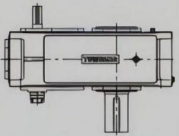
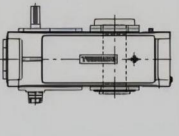
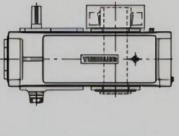
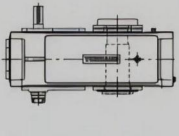
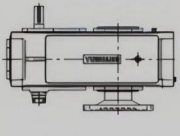
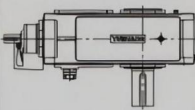
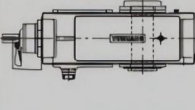
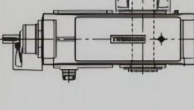
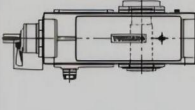
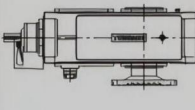


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Gear Units

Summary of Basic Types

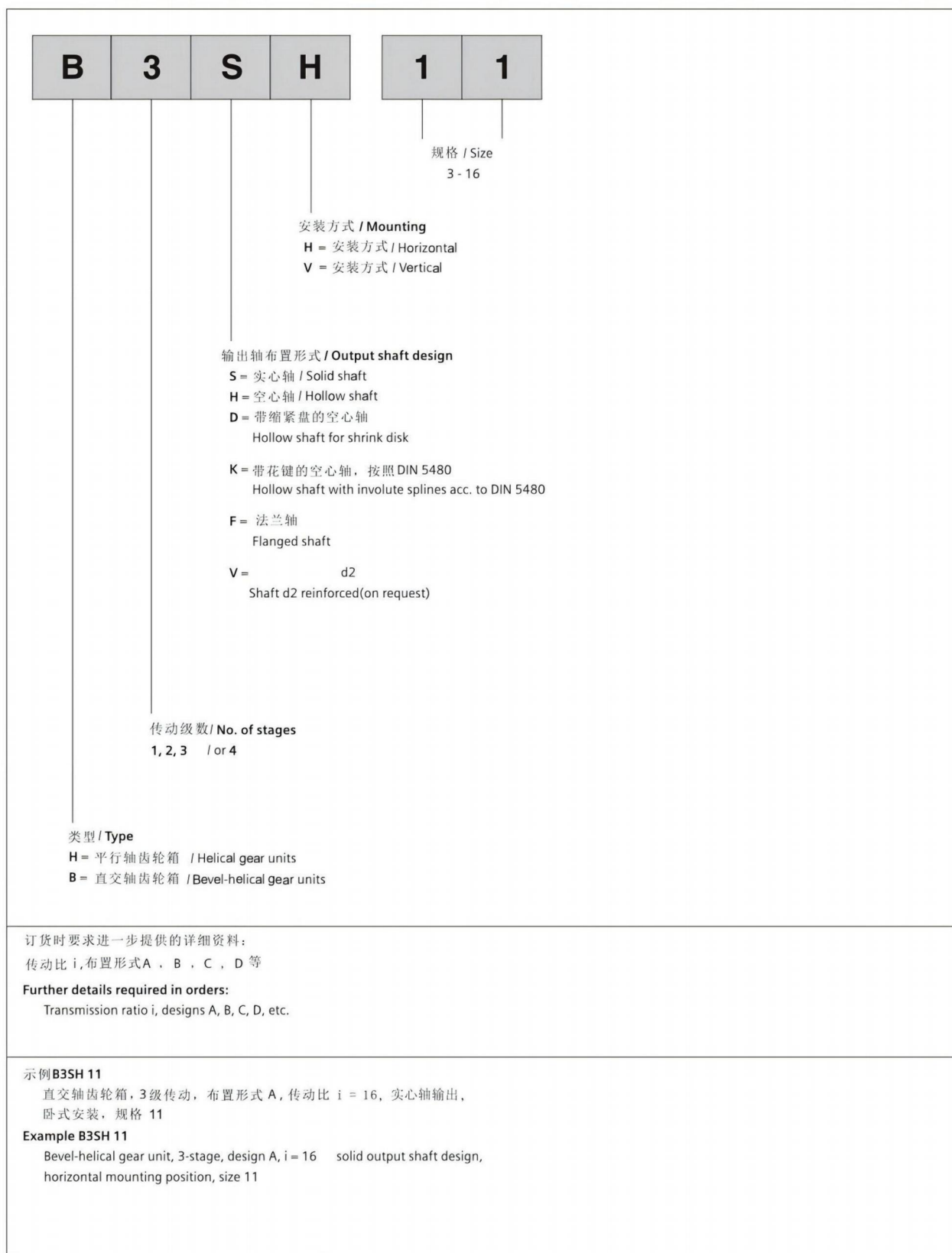
卧式安装					Horizontal mounting position				
平行轴齿轮箱					Helical gear units				
类型 H1.., H2.., H3.., H4.. 1-... 4 - 级, $i_N = 1.25 - 450$					Types H1.., H2.., H3.., H4.. 1-... 4- stage, $i_N = 1.25 - 450$				
H.SH	H.HH	H.DH	H.KH	H.FH					
									
直交轴齿轮箱					Bevel-helical gear units				
B2.., B3.., B4.. 2 - ... 4 - 级, $i_N = 5 - 400$					Types B2.., B3.., B4.. 2-... 4-stage, $i_N = 5 - 400$				
B.SH	B.HH	B.DH	B.KH	B.FH					
									
立式安装					Vertical mounting position				
平行轴齿轮箱					Helical gear units				
类型 H2.V, H3.V, H4.V 2 - ... 4 - 级, $i_N = 6.3 - 450$					Types H2.V, H3.V, H4.V 2- ... 4-stage, $i_N = 6.3 - 450$				
H.SV	H.HV	H.DV	H.KV	H.FV					
									
直交轴齿轮箱					Bevel-helical gear units				
类型 B2.V, B3.V, B4.V 2 - ... 4 - 级, $i_N = 5 - 400$					Types B2.V, B3.V, B4.V 2- ... 4-stage, $i_N = 5 - 400$				
B.SV	B.HV	B.DV	B.KV	B.FV					
									

齿轮箱

Gear Units

基本类型概述

Summary of Basic Types



齿轮箱 性能特点

Gear Units Characteristic Features

设计

誉煌齿轮箱采用全新设计，其独特的创新在于：

- 零部件种类减少而规格数量增多，
- 传动功率增大，运转可靠性提高，
- 可以采用性能优异的非接触式和耐磨的迷宫式密封装置，
- 可以提供适于狭小空间安装的法兰轴（敬请垂询）。

安装方式

可以提供卧式安装和立式安装的誉煌齿轮箱。
也可以提供其他安装形式，请垂询。

标准齿轮箱可以通过加带不同附件如电机安装法兰。
齿轮箱浮动底座或逆止器等很好地满足客户需求。

噪音特性

采用最新设计理念并通过以下途径显著地改善了齿轮箱的噪音特性：

- 圆锥齿轮磨削工艺，
- 利用 MASAK 计算机程序设计吸收噪音的箱体结构，
- 实现特大的齿面接触比。

散热性能

誉煌齿轮箱不仅具有很高的传动效率，而且具有良好的散热性能，因为：

- 增大了箱体的表面积，
- 可以采用非接触式的迷宫式密封装置，
- 采用大风扇和新型的导流风扇罩。

在齿轮箱选型方面誉煌齿轮箱以较低的最大允许油温为依据。这样，不仅提高了运行可靠性，而且也因换油周期的延长而降低了维护费用。

库存

誉煌齿轮箱采用新的模块化单元结构，从而显著减少了零部件种类。主要零部件的绝大部分均有库存，从而使世界各地的誉煌齿轮箱能在短期内供货。

Design

YUHUANG gear units are a completely new design. Advantages are:

- more sizes with a reduced variety of parts;
- higher operational reliability combined with increased power capacity;
- predominantly non-contacting wear-resistant labyrinth seals are possible;
- flanged output shafts to facilitate assembly of gear units in confined spaces (on request).

Mounting position

YUHUANG gear units can be supplied for either horizontal or vertical installation. Other arrangements are also possible on request.

The basic gear unit can be optimally adapted to customer requirements by fitting different add-on pieces like motor bell housings, gear unit swing-bases or backstops.

Noise behaviour

New concepts were applied to clearly improve the noise emission of the YUHUANG gear units by

- grinding the bevel gears;
- designing noise-absorbing housings by means of the MASAK computing program; and
- achieving exceptionally large contact ratios.

Thermal conduction

YUHUANG gear units not only have a high efficiency but also a favourable thermal conduction

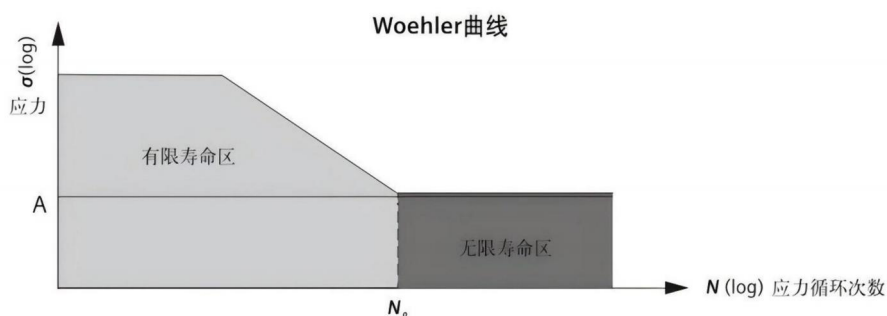
- through enlarged housing surface areas;
- because non-contacting labyrinth seals can be used; and
- because large fans incorporating a new type of air conduction fan cowl are being used.

The selection of YUHUANG gear units is based on a lower maximum oil temperature. By that, the operational reliability will be increased and the cost of maintenance reduced due to longer oil change intervals.

Storing

YUHUANG gear units have been designed according to a new unit construction principle. Through this, the variety of parts could be reduced. The parts are mainly on stock enabling Flender gear units worldwide to deliver at short term.

誉煌标准齿轮箱产品额定扭矩值按照齿轮无限寿命理念进行标定，取值为 A 点。



01 | 齿轮箱 一般说明

Gear Units General Information

注意事项！

必须严格遵守以下各项！

- 样本中的附图只属范例，并不具有约束力。公司保留变更尺寸的权利。
- 所注重量仅为平均值，并不具有约束力。
- 为防止意外事故发生，所有旋转部件均应按照使用者所在国家和地区的安全规范由购置方加罩保护。
- 试车之前必须认真阅读操作说明。
齿轮箱在供货时已处于准运行状态，运行前需加注润滑油。
- 本样本中所示注油量只作为参考值，实际注油量应以油尺上的标记为准。
- 润滑油粘度应符合齿轮箱铭牌上的数据。
- 只能采用允许品牌的润滑油。
最新的操作说明书以及润滑选择表可以从公司的网页上查询。
- 齿轮箱在供货时已配置了径向轴封。如果需要其他类型的轴封敬请垂询。
- 转动方向是指面向输出轴时输出轴 d_2 的转动方向。
- 安装在室外时应避免阳光照射。应由购置方配装适当的防护设备。

在尺寸图上所使用的符号说明如下：

-  = 油尺
-  = 通气孔
-  = 放油孔
-  = 加油孔

规格 13 以上的齿轮箱箱体地脚上配有调整顶丝，箱盖上配有调整平面。

地脚螺栓的最低强度等级为 8.8 级。箱体螺栓孔的公差按照 DIN EN 20273 “粗”系列。

齿轮箱具有防腐性能，表面涂有 RAL 5015 油漆。

Attention!

The following items are absolutely to be observed!

- Illustrations are examples only and are not strictly binding. Dimensions are subject to change.
- The weights are mean values and not strictly binding.
- To prevent accidents, all rotating parts should be guarded according to local and national safety regulations.
- Prior to commissioning, the operating instructions must be observed.
The gear units are delivered ready for operation but without oil filling.
- Oil quantities given are guide values only.
The exact quantity of oil depends on the marks on the oil dipstick.
- The oil viscosity has to correspond to the data given on the name plate.
- Approved lubricants may be used only.
You will find current operating instructions and lubricant selection tables on our home page.
- The gear units are supplied with radial shaft seals.
Other sealing variants on request.
- Directions of rotation referring to output shaft d_2 .
- In case of outdoor installation, insulation is to be avoided.
The customer has to provide adequate protection.

Explanation of symbols used in the dimensioned drawings:

-  = Oil dipstick
-  = Breather
-  = Oil drain
-  = Oil filler

From size 13 up jack screws in the housing feet, and leveling pads on the upper housing part.

Foundation bolts of min. property class 8.8. Tolerance of the clearance holes in the housing acc. to DIN EN 20273 - "coarse" series.

The gear housings are protected against corrosion and lacquered.

按照 DIN EN ISO 9001

Certified acc. to DIN EN ISO 9001

02 | 齿轮箱 符号说明

Gear Units Key to Symbols

符号说明

E_D	= 每小时工作周期，以 % 表示 (例如 $E_D = 80\%/h$)
f_1	= 工作机系数 (表 1) 见第 8 页
f_2	= 原动机系数 (表 2), 见第 9 页
f_3	= 峰值扭矩系数 (表 3), 见第 9 页
f_4	= 环境温度系数 (表 4), 见第 9 页
f_5	= 环境温度系数 (表 5), 见第 9 页
f_8	= 齿轮箱供油系数 对于卧式安装齿轮箱: $f_8 = 1$
i	= 实际传动比
i_N	= 额定传动比
i_s	= 额定传动比
n_1	= 输入转速 (min ⁻¹)
n_2	= 输出转速 (min ⁻¹)
P_G	= 需要的热容量
P_{GA}	= 齿轮箱的基础热容量, 不带辅助冷却装置, 见第 16-49 页
P_{GB}	= 齿轮箱的基础热容量, 带冷却风扇, 见第 16-49 页
P_{GC}	= 齿轮箱的基础热容量, 同时带内置式冷却盘管, 见第 16-49 页
P_{GD}	= 齿轮箱的基础热容量, 同时带内置式冷却盘管和冷却风扇, 见第 16-49 页
P_{2N}	= 齿轮箱的额定功率 (kW), 见第 14-47 页选型表,
P_2	= 工作机的额定功率 (kW)
t	= 环境温度 (°C)
T_A	= 输入轴最大扭矩, 例如峰值工作扭矩, 起动扭矩或制动扭矩 (Nm)
T_{2N}	= 额定输出扭矩 (kNm), 见第 15-48 页

Key to symbols:

E_D	= Operating cycle per hour in%, e.g. $E_D = 80\%/h$
f_1	= Factor for driven machine (table 1) page 8
f_2	= Factor for prime mover (table 2), page 9
f_3	= Peak torque factor (table 3), page 9
f_4	= Thermal factors (table 4) page 9
f_5	= Thermal factors (table 5), page 9
f_8	= Oil supply factor for vertical gear units For horizontal gear units: $f_8 = 1$
i	= Actual ratio
i_N	= Nominal ratio
i_s	= Required ratio
n_1	= Input speed (min ⁻¹)
n_2	= Output speed (min ⁻¹)
P_G	= Required thermal capacity
P_{GA}	= Thermal capacity for gear units without auxiliary cooling, pages 16-49
P_{GB}	= Thermal capacity for gear units with fan cooling, pages 16-49
P_{GC}	= Thermal capacity for gear units with built-in cooling coil, pages 16-49
P_{GD}	= Thermal capacity for gear units with built-in cooling coil and fan, pages 16-49
P_{2N}	= Nominal power rating of gear unit (kW), see rating tables, pages 14-47
P_2	= Power rating of driven machine (kW)
t	= Ambient temperature (°C)
T_A	= Max. torque occurring on input shaft, e.g. peak operating-, starting- or braking torque (Nm)
T_{2N}	= Nominal output torque (kNm), pages 15-48

P_{2aq}	= 当量功率 (kW)
P_{1r}, P_{1ir}, P_n	= 与载荷谱对应的功率分量 (kW)
X_{1r}, X_{1ir}, X_n	= 与载荷谱对应的时间分量 (%)

P_{2aq}	= Equivalent power rating (kW)
P_{1r}, P_{1ir}, P_n	= Fractions of power rating (kW) obtained from service classification
X_{1r}, X_{1ir}, X_n	= Fractions of time (%) obtained from service classification

02 | 齿轮箱 服务系数

Gear Units Service Factors

表 1 工作机系数 f₁ / Table 1 Factor for driven machine f₁

工作机 Driven machines		1) 日带载运行时间， 以小时计算			工作机 Driven machines		1) 日带载运行时间， 以小时计算		
		≤	>	>			≤	>	>
		0.5	0.5-10	10			0.5	0.5-10	10
污水处理	Waste water treatment				输送机	Conveyors			
浓缩器（中心传动）	Thickeners (central drive)	-	-	1.2	斗式输送机	Bucket conveyors	-	1.4	1.5
					绞车	Hauling winches	1.4	1.6	1.6
压滤机	Filter presses	1.0	1.3	1.5	卷扬机	Hoists	-	1.5	1.8
絮凝机	Flocculation apparatus	0.8	1.0	1.3	皮带输送机 ≤ 150kW	Belt conveyors ≤ 150 kW	1.0	1.2	1.3
拨集设备	Raking equipment	1.0	1.2	1.3	皮带输送机 ≥ 150kW	Belt conveyors ≥ 150 kW	1.1	1.3	1.4
纵向、回转组合式拨集装置	Combined longitudinal and rotary rakes	1.0	1.3	1.5					
				-	货用电梯 *	Goods lifts *	-	1.2	1.5
预浓缩器	Pre-thickeners	-	1.1	1.3	客用电梯 *	Passenger lifts *	-	1.5	1.8
螺杆泵	Screw pumps	-	1.3	1.5	刮板式输送机	Apron conveyors	-	1.2	1.5
水轮枪	Water turbines	-	-	2.0					
					轨道行走机构	Rail travelling gears	-	1.5	-
泵	Pumps				起重机械 **	Cranes **			
离心泵	Centrifugal pumps	1.0	1.2	1.3					
容积式泵	Positive-displacement pumps				俯仰机构	Luffing gears	1.0	1.1	1.4
1 个活塞	1 piston	1.3	1.4	1.8	行走机构	Travelling gears	1.1	1.6	2.0
> 1 个活塞	>1 piston	1.2	1.4	1.5	起升机构	Hoisting gears	1.0	1.1	1.4
					转臂式起重机	Denicking jib cranes	1.0	1.2	1.6
挖泥机	Dredgers				索道缆车	Cableways			
斗式输送机	Bucket conveyors Dumping devices	-	1.6	1.6	运货索道	Material ropeways	-	1.3	1.4
倾卸装置		-	1.3	1.5					
履带式行走机构	Caterpillar travelling gears	1.2	1.6	1.8	往复式空中索道	To-and-fro system aerial ropeways	-	1.6	1.8
					拖牵式索道	T-bar lifts	-	1.3	1.4
斗轮式挖掘机	Bucket wheel excavators				循环式索道	Continuous ropeways	-	1.4	1.6
用于料堆捡拾	as pick-up	-	1.7	1.7					
用于原生岩土	for primitive material	-	2.2	2.2					
如铁矿石等									
弯板机 *	Plate bending machines *	-	1.0	1.0	其他工业	Other			
					混凝土搅拌机	Concrete mixers	-	1.5	1.5
化学工业	Chemical industry				破碎机 *	Breakers *	-	1.2	1.4
调浆机	Dough mills	-	1.8	1.8	回转窑	Rotary kilns	-	-	2.0
					管式磨机	Tube mills	-	-	2.0
橡胶研光机	Rubber calendars	-	1.5	1.5	搅拌设备	Agitators			
冷却圆筒	Cooling drums	-	1.3	1.4					
混勾机，用于	Mixers for								
均匀介质	uniform media	1.0	1.3	1.4					
非均匀介质	non-uniform media	1.4	1.6	1.7					
金属加工设备	Metal working mills								
翻板机	Plate tilters	1.0	1.0	1.2					
推钢机	Ingot pushers	1.0	1.2	1.2					
绕线机	Winding machines	-	1.6	1.6					
冷床横梁架	bed transfer frames	-	1.5	1.5					
辊式矫直机	Roller straighteners	-	1.6	1.6					
轨道	Roller tables								
连续式	continuous	-	1.5	1.5					
间歇式	intermittent	-	2.0	2.0					
可逆式轧管机	Reversing tube mills	-	1.8	1.8					
剪切机	Shears								
连续式 *	continuous *	-	1.5	1.5					
曲柄式 *	crank type *	1.0	1.0	1.0					
连铸机驱动装置 *	Continuous casting drivers *	-	1.4	1.4					

02 | 齿轮箱 服务系数

Gear Units Service Factors

工作机额定功率 P_2 的确定:

*) 按最大扭矩确定额定功率

**) 可将载荷准确地分类, 例如根据 FEM 1001 进行分类

***) 检验热容量是绝对必要的

所列各项系数均为经验值。使用这些系数的前提条件是所述机械设备应符合通常的设计规范和载荷条件, 如遇特殊情况, 请及时与我们取得联系。对于那些未列入此表的工作机械, 请与我们联系。

1) 日带载运行时间, 以小时计算

Design for power rating of driven machine P_2

*) Designed power corresponding to max. torque

**) Load can be exactly classified, for instance, according to FEM 1001

***) A check for thermal capacity is absolutely essential

The listed factors are empirical values. Prerequisite for their application is that the machinery and equipment mentioned correspond to generally accepted design- and load specifications. In case of deviations from standard conditions, please refer to us. For driven machines which are not listed in this table, please refer to us.

1) Effective daily operating period under load in hours

表 2	原动机系数	f_2
电机, 液压马达, 汽轮机		1.0
4 - 6 缸活塞发动机 周期变化 1:100 至 1:200		1.25
1 - 3 缸, 活塞发动机 周期变化最高达 1:100		1.5

Table 2	Factor for prime mover	f_2
Electric motors, hydraulic motors, turbines		1.0
Piston engines 4 - 6 cylinders, cyclic variation 1 : 100 to 1 : 200		1.25
Piston engines 1 - 3 cylinders, cyclic variation up to 1 : 100		1.5

表 3	峰值扭矩系数				f_3
	每小时峰值载荷次数				
	1-5	6-30	31-100	> 100	
单向荷载	0.5	0.65	0.7	0.85	
交变荷载	0.7	0.95	1.10	1.25	

Table 3	Peak torque factor			f_3
	Load peaks per hour			
	1-5	6-30	31-100	> 100
Steady direction of load	0.5	0.65	0.7	0.85
Alternating direction of load	0.7	0.95	1.10	1.25

表 4	环境温度系数	(不带辅助冷却装置或仅带冷却风扇进行冷却)								
Table 4	Thermal factor	(Gear units without auxiliary cooling or with fan)								
环境温度 / Ambient		10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
f_4		1.11	1.06	1.00	0.94	0.88	0.82	0.75	0.69	0.63

表 5	环境温度系数	(带冷却盘管或同时带冷却盘管和冷却风扇)								
Table 5	Thermal factor	(For cooling with cooling coil, or with fan and cooling coil))								
环境温度 / Ambient		10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
f_5		1.05	1.03	1.00	0.97	0.93	0.90	0.87	0.84	0.81

8		$f_8 = 1.0 f$				f_8
Table 8 Oil supply factor for vertical gear units. For horizontal gear units $f_8 = 1.0$						
齿轮箱类型 Gear unit type	供油方式 Oil supply	规格 / Sizes 4 - 12				
		不带辅助冷却装置 without Auxiliary cooling	带冷却风扇 with Fan	带冷却盘管 with Cooling coil	带冷却风扇和冷却盘管 with Fan and cooling coil	
H2.V, H3.V H4.V	浸油润滑 Dip lubrication	0.95	*	0.95	*	
B2.V, B3.V B4.V	浸油润滑 Dip lubrication	0.95	0.95	0.95	0.95	

* 请咨询誉煌销售工程师

* Please consult with YUHUANG sales engineer

Gear Units

Guidelines for the Selection
Constant Mechanical Power
Rating

1. 确定齿轮箱类型和规格 Determination of gear unit type and size	1.1 Find the transmission ratio	
	$i_s = \frac{n_1}{n_2}$	
	1.2 确定齿轮箱额定功率 Determine nominal power rating of the gear unit	
	$P_{2N} \geq P_2 \times f_1 \times f_2$ 如果不满足下列条件，请与我们联系： It is not necessary to consult us, if: $3.33 \times P_2 \geq P_{2N}$	
	1.3 校核最大扭矩，例如峰值工作扭矩，起动扭矩或制动扭矩： Check for maximum torque, e. g. peak operating- starting- or braking torque	
	$P_{2N} \geq \frac{T_A \times n_1}{9550} \times f_3$ 根据 i_N 和 P_{2N} 在额定功率表中确定的齿轮箱的规格和传动级数： Gear unit sizes and number of reduction stages are given in rating tables depending on i_N and P_{2N}	
	1.4 校核输出轴上允许附加作用力，见第 54 和 55 页： Check whether additional forces on the output shaft are permissible; see pages 54 and 55	
	1.5 校核输出轴上允许附加作用力，见第 54 和 55 页： Check whether the actual ratio i as per tables on pages 52 - 53 is acceptable	
	安装方式 / Mounting position	
	卧式安装 / Horizontal	立式安装 / Vertical
	可供选择的润滑油供油方式： - 飞溅润滑 - 浸油润滑 所有需润滑的零部件均浸在润滑油中 All parts to be lubricated are lying in the oil or are splash lubricated	可供选择的润滑油供油方式： - 浸油润滑 Possible Oil supply variations: -Dip lubricatlon
2. 确定供油方式 Determination of oil supply		

02 | 齿轮箱 选型指南 热容量计算

Gear Units Guidelines for the Selection Constant Thermal Capacity

3. 确定所需的热容量 P_G

需要的数据:

- 类型 • 规格
- 额定传动比
- 环境温度
- 输入转速 (1000 / 1200 / 1500 / 1800 min⁻¹)
- 齿轮箱采用浸油润滑

计算依据如下假设:

- 工作周期: 100%
- 室内大空间安装 (风速 ≥ 1.4 m/s)
- 海拔高度至 1000 m
- 齿轮箱采用矿物油 ISO - VG 460 润滑

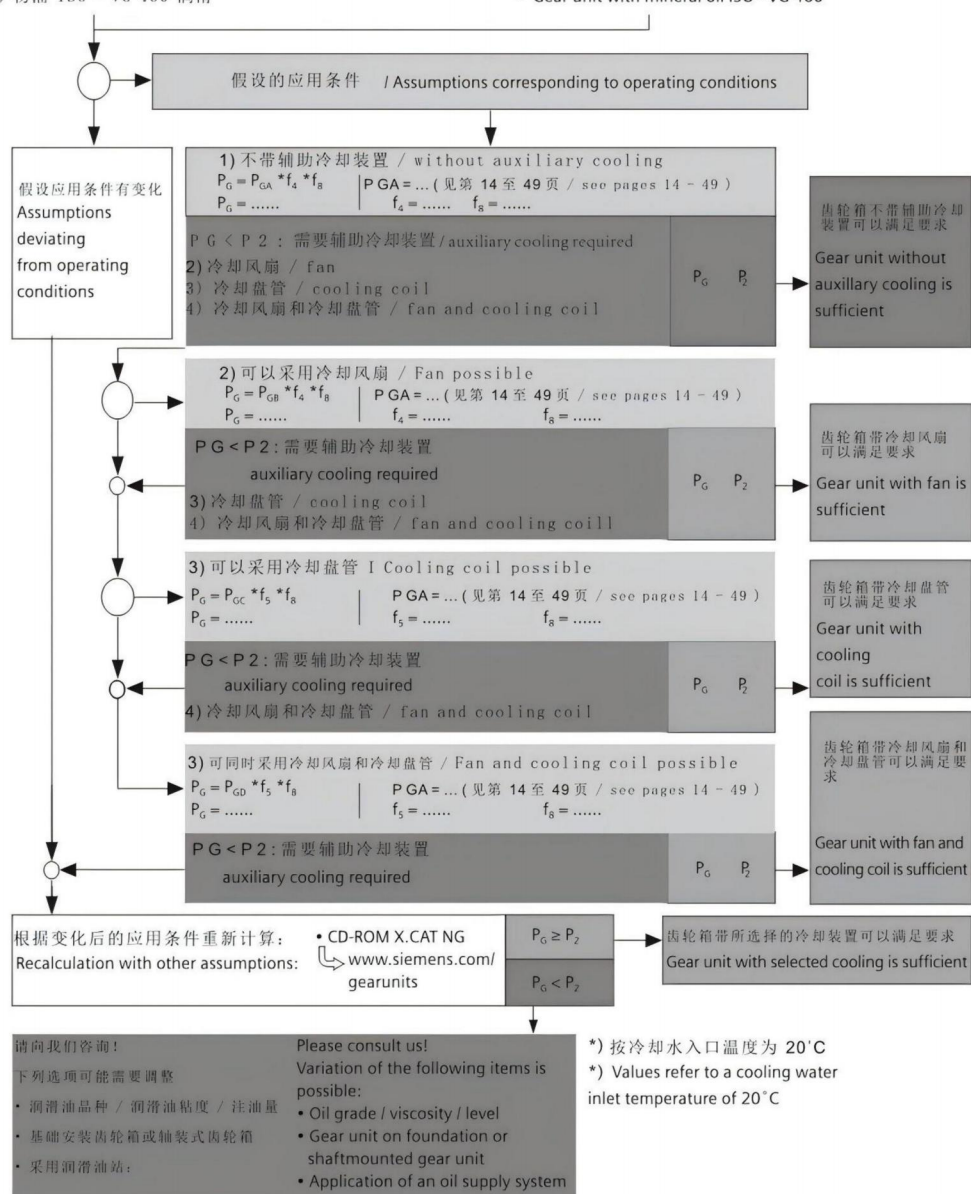
3. Determination of required thermal capacity P_G

Data required:

- Type • Size
- Nominal ratio
- Ambient temperature
- Input speed (1000 / 1200 / 1500 / 1800 min⁻¹)
- Gear unit with dip lubrication

For the calculation below the following has been assumed:

- Operating cycle: 100 %
- Installation in a large hall (wind velocity 1.4 m / s), altitude up to 1000 m
- Gear unit with mineral oil ISO - VG 460



可能需要的辅助冷却装置取决于用户处的工况条件 (如粉尘, 冷却水源等)。

The type of the possibly required additional cooling is dependent on the operating conditions at the customer's (dust, cooling water connection, etc.)

02

齿轮箱
选型指南
计算示例
在机械方面

Gear Units

Guidelines for the Selection
Calculation Example
Mechanical Power Rating

已知：
原动机
电机功率：
电机转速：
最大启动扭矩

$P_1 = 75 \text{ kW}$
 $n_1 = 1500 \text{ min}^{-1}$
 $T_A = 720 \text{ Nm}$

工作机
皮带输送机功率：
转速：
每天运行时间：

$P_2 = 66 \text{ kW}$
 $n_2 = 26 \text{ min}^{-1}$
12h /

每小时启动次数：

7

每小时工作周期：

$E_D = 100\%$

环境温度：

30°C

风速

$\geq 1.4 \text{ m/s}$

海拔高度：

海平面

齿轮箱设计
直交轴齿轮箱
安装方式：
输出轴 d 2

卧式安装
位于齿轮箱右侧，布置形式 C
实心轴

输出轴d2的旋转方向： 逆时针旋转：

要求：

选择齿轮箱类型和规格
1. 选择齿轮箱类型和规格

1.1 确定传动比

Known criteria:

PRIME MOVER

Electric motor:

Motor speed:

Max. starting torque:

$P_1 = 75 \text{ kW}$

$n_1 = 1500 \text{ min}^{-1}$

$T_A = 720 \text{ Nm}$

DRIVEN MACHINE

Belt conveyor:

Speed:

Duty:

$P_2 = 66 \text{ kW}$

$n_2 = 26 \text{ min}^{-1}$

12h /day

Starts per hour:

Operating cycle

per hour:

Ambient

temperature:

Installation in a

large hall:

Altitude:

7

$E_D = 100\%$

30°C

wind velocity

$\geq 1.4 \text{ m/s}$

sea level

GEAR UNIT DESIGN

Bevel-helical gear unit

Mounting position:

Output shaft d_2

Direction of rotation

of output shaft d_2

horizontal

on right hand side design C,

solid shaft

CCW

Required:

Type and size of gear unit

1. Selection of gear unit type and size

1.1 Calculation of transmission ratio

$$i_s = \frac{n_1}{n_2} = \frac{1500}{26} = 57.7 \quad i_N = 56$$

1.2 确定齿轮箱额定功率

1.2 Determination of the gear unit nominal power rating

$$P_{2N} \geq P_2 \times f_1 \times f_2 = 66 \times 1.3 \times 1 = 85.8 \text{ kW}$$

从功率表中选择类型 B3SH, 齿轮箱规格 9,
对应的额定功率 $P_{2N} = 100 \text{ kW}$

Selected from power rating table: type B3SH
gear unit size 9, with $P_{2N} = 100 \text{ kW}$

$$3.33 \times P_2 \geq P_{2N} \quad 3.33 \times 66 = 219.8 \text{ kW} > P_{2N} \quad \text{满足要求}$$

It is not necessary to consult us

1.3 启动扭矩校核

1.3 Checking the starting torque

$$P_{2N} \geq \frac{T_A \times n_1}{9550} \times f_3 = \frac{720 \times 1500}{9550} \times 0.65 = 73.5 \text{ kW} \quad P_{2N} = 100 \text{ kW} > 73.5 \text{ kW}$$

满足要求

2. 确定润滑油供油方式
齿轮箱采用浸油润滑

2. Determination of oil supply
Gear unit with dip lubrication

02 | 齿轮箱 选型指南 计算示例 热容量计算

Gear Units Guidelines for the Selection Calculation Example Thermal Capacity

3. 确定所需的热容量 P_G

需要的数据:

- 类型: B3SH • 规格: 09
- 额定传动比: $i_N = 56$
- 环境温度: $t = 30^\circ\text{C}$
- 输入转速: $n_1 = 1500 \text{ min}^{-1}$
- 齿轮箱采用浸油润滑

计算依据如下假设:

- 工作周期: 100%
- 室内大空间安装 (风速 $\geq 1.4 \text{ m/s}$)
- 海拔高度至 1000 m
- 齿轮箱采用矿物油 ISO - VG 460 润滑

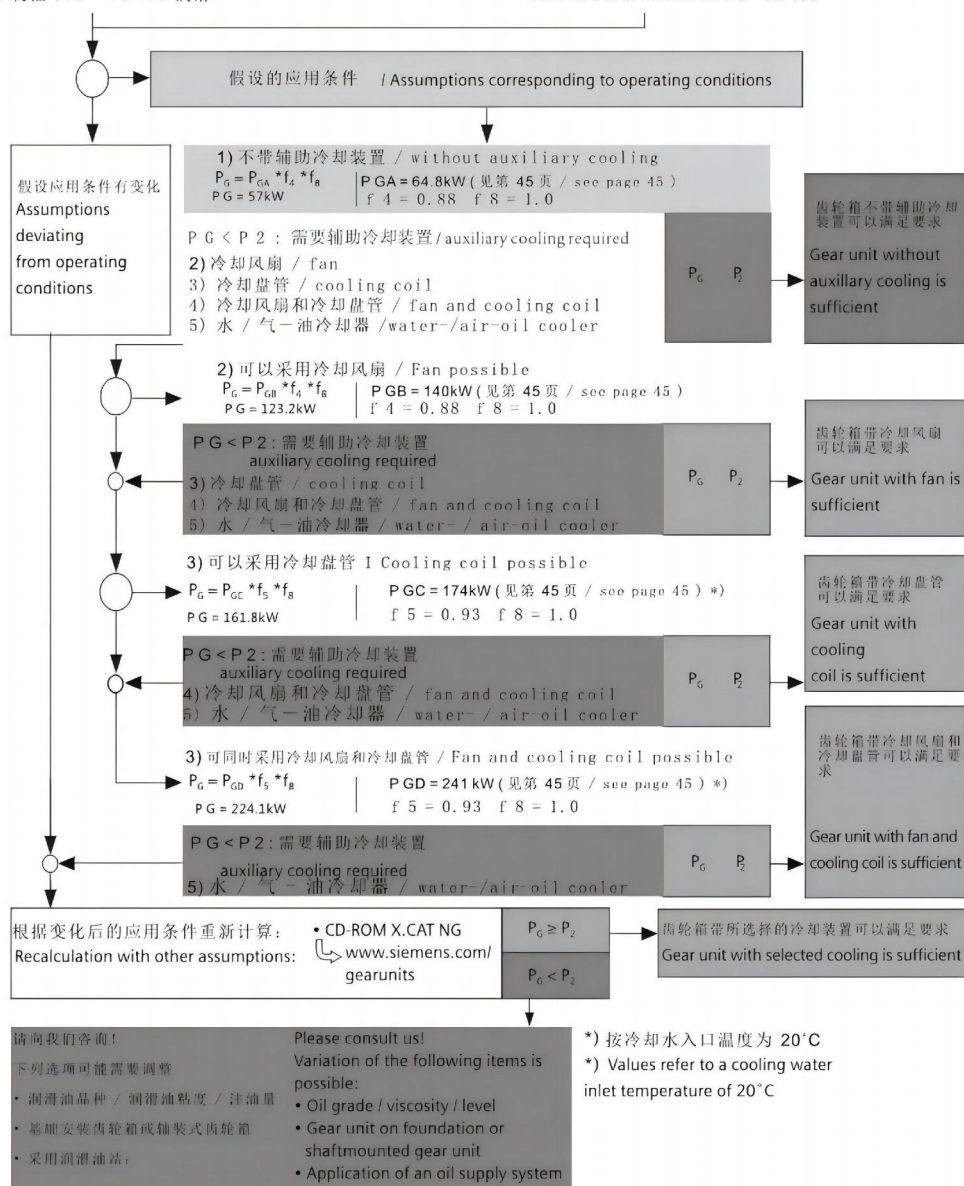
3. Determination of required thermal capacity P_G

Data required:

- Type: B3SH • Size: 09
- Nominal ratio: $i_N = 56$
- Ambient temperature: $t = 30^\circ\text{C}$
- Input speed: $n_1 = 1500 \text{ min}^{-1}$
- Gear unit with dip lubrication

For the calculation below the following has been assumed:

- Operating cycle: 100 %
- Installation in a large hall (wind velocity $\geq 1.4 \text{ m/s}$), altitude up to 1000 m
- Gear unit with mineral oil ISO - VG 460



所选择的 $i_N = 56$ 的齿轮箱 B3SH 09 应配备适当的辅助冷却装置。根据用户不同的应用条件至少应配置一个冷却风扇或一个冷却盘管。

For the selected gear unit B3SH 09 with $i_N = 56$ suitable auxiliary cooling is to be provided. Dependent on the operating conditions at the customer's, at least a fan or a cooling coil is to be provided.

02

齿轮箱
额定功率
类型 H1SH
规格 3-11

Gear Units
Nominal Power Ratings
Type H1SH
Sizes 3-11

额定功率 P _{2N} (kW) / Nominal power ratings P _{2N} (kW)																
i _N	n ₁	n ₂	齿轮箱规格/Gear unit sizes													
			3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.25	1800	1440	437		1206		2291*		3724*							
	1500	1200	364		1005		1909		3103							
	1200	960	291		804		1527		2482							
	1000	800	242		670		1273		2069							
1.4	1800	1286	417		1104		2141*		3447*							
	1500	1071	347		919		1783		2870							
	1200	857	278		735		1426		2297							
	1000	714	231		613		1188		1913							
1.6	1800	1125	388		1013		1920*		3192*							
	1500	938	324		844		1600		2661		4518					
	1200	750	259		675		1280		2128		3612					
	1000	625	215		562		1066		1773		3010					
1.8	1800	1000	282		921		1821*		2931*		4984*					
	1500	833	235		767		1517		2442		4151					
	1200	667	188		614		1215		1955		3324					
	1000	556	157		512		1013		1630		2771					
2	1800	900	263		885		1677*		2704*		4627*					
	1500	750	219		738		1397		2253		3856					
	1200	600	175		590		1118		1803		3084					
	1000	500	146		492		931		1502		2570					
2.24	1800	804	235		808		1498*		2416*		4259*					
	1500	670	196		673		1248		2013		3549					
	1200	536	157		538		999		1610		2839					
	1000	446	130		448		831		1340		2363					
2.5	1800	720	218		723		1341*		2163*		3814*					
	1500	600	182		603		1118		1803		3179					
	1200	480	145		482		894		1442		2543					
	1000	400	121		402		745		1202		2119					
2.8	1800	643	208		646		1151*		1831*		3406*					
	1500	536	173		538		959		1526		2839					
	1200	429	139		431		768		1221		2273					
	1000	357	115		358		639		1016		1891					
3.15	1800	571	185		573		1040		1680		2875*					
	1500	476	154		478		867		1400		2397					
	1200	381	123		382		694		1121		1918					
	1000	317	102		318		577		932		1596					
3.55	1800	507	169		504		944		1518		2665*					
	1500	423	141		420		788		1266		2223					
	1200	338	113		336		629		1012		1776					
	1000	282	94		280		525		844		1482					
4	1800	450	150		452		838		1352		2384*					
	1500	375	125		376		698		1126		1986					
	1200	300	100		301		559		901		1589					
	1000	250	83		251		465		751		1324					
4.5	1800	400	104		322		661		1030		1926					
	1500	333	87		268		550		857		1603					
	1200	267	69		215		441		687		1286					
	1000	222	58		178		367		571		1069					
5	1800	360	90		271		520		885		1458					
	1500	300	75		226		433		738		1215					
	1200	240	60		180		346		590		972					
	1000	200	50		150		289		492		810					
5.6	1800	321	77		231		440		675		1226					
	1500	268	64		193		367		564		1024					
	1200	214	51		154		293		450		817					
	1000	179	43		129		245		376		684					

 卧式安装齿轮箱应采用强制润滑
 请咨询誉煌销售工程师

 Forced lubrication required on horizontal gear units
 Please consult with YUHUANG sales engineer

02

齿轮箱
额定输出扭矩
类型 H1SH
规格 3-11

Gear Units
Nominal output Torques
Type H1SH
Sizes 3-11

额定输出扭矩 T_{2N} (kNm) Nominal Output Torques T_{2N} (kNm)													
i_N	齿轮箱规格/Gear unit sizes												
	3	4	5	6	7	8	9	10	11	12	13	14	15
1.25	2.9		8		15.2		24.7						
1.4	3.1		8.2		15.9		25.6						
1.6	3.3		8.6		16.3		27.1		46				
1.8	2.7		8.8		17.4		28		47.6				
2	2.8		9.4		17.8		28.7		49.1				
2.24	2.8		9.6		17.8		28.7		50.6				
2.5	2.9		9.6		17.8		28.7		50.6				
2.8	3.1		9.6		17.1		27.2		50.6				
3.15	3.1		9.6		17.4		28.1		48.1				
3.55	3.2		9.5		17.8		28.6		50.2				
4	3.2		9.6		17.8		28.7		50.6				
4.5	2.5		7.7		15.8		24.6		46				
5	2.4		7.2		13.8		23.5		38.7				
5.6	2.3		6.9		13.1		20.1		36.5				
6.3		6.3	10.7		20.3		33.7		59.3		86		143
7.1		6.5	11.2		20.3		33.7		59.3		86		143
8		6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143
9		6.7	11.2	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143
10		6.3	10.5	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143
11.2		6.3	10.6	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143
12.5		6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143
14		6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143
16		6.7	11.2	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143
18		6.3	10.5	14.4	19	25.6	33.7	42.2	59.3	73.8	86	107	143
20		6.6	11.2	14.4	19	25.6	33.7	42.2	59.3	73.8	86	107	143
22.4		6.3	10.9	13.5	19.8	24	33.1	42.2	58.3	73.8	88	107	153
25			11.6	14.3	21.7	24	35.7	42.2	63.5	73.8	88	107	153
28			11.6	13.9	21.7	25	35.7	41.6	63.5	72.5	88	109	153
31.5			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153
35.5			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153
40			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153
45			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153
50			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153
56			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153
63			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153
71			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153
80			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153
90			11.6	15.5	20	27.2	34.5	43.8	63.5	77.2	88	109	153
100				14.5	21.7	27.2	35.7	43.8	61.6	77.2	90.7	109	153
112				15	21.7	25.2	35.7	42.8	61.6	77.2	90.7	109	153
125					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153
140					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153
160					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153
180					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153
200					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153
224					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153
250					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153
280					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153
315					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153
355					19.6	27.2	35.7	44.2	61.6	78	90.7	113	140
400						27.2		44.2		78		113	158
450						25.3		42.8		78		113	

02

齿轮箱
热容量
类型 H1SH
规格 3-11
 $n_1=1000 \text{ min}^{-1}$

Gear Units

Thermal Capacities
Type H1SH
Sizes 3-11
 $n_1=1000 \text{ min}^{-1}$

热容量P G(Kw) / Thermal capacities P G (Kw)															
i _N		齿轮箱规格/Gear unit sizes													
		3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.25	P _{GA}	63.2		*		*		*							
	P _{GB}	187		402		517		536							
	P _{GC}	271		639		911		1288							
	P _{GD}	377		934		1322		1783							
1.4	P _{GA}	65.4		*		*		*							
	P _{GB}	186		409		534		578							
	P _{GC}	264		629		892		1277							
	P _{GD}	366		916		1298		1760							
1.6	P _{GA}	68.6		*		*		*							
	P _{GB}	183		412		540		630		729					
	P _{GC}	248		595		833		1230		2057					
	P _{GD}	347		870		1214		1706		2838					
1.8	P _{GA}	79.9		*		*		*		*					
	P _{GB}	205		410		561		655		821					
	P _{GC}	269		561		819		1187		2025					
	P _{GD}	376		827		1196		1650		2802					
2	P _{GA}	78.5		104		*		*		*					
	P _{GB}	197		397		549		651		852					
	P _{GC}	256		531		778		1130		1955					
	P _{GD}	358		779		1135		1573		2700					
2.24	P _{GA}	78		109				*		*					
	P _{GB}	189		382		520		645		887					
	P _{GC}	241		496		704		1063		1864					
	P _{GD}	338		733		1029		1485		2588					
2.5	P _{GA}	72.8		108		*		*		*					
	P _{GB}	175		362		494		621		884					
	P _{GC}	216		459		649		986		1753					
	P _{GD}	304		679		950		1381		2437					
2.8	P _{GA}	69.6		105		133		*		*					
	P _{GB}	164		340		511		649		865					
	P _{GC}	199		419		655		994		1625					
	P _{GD}	281		620		959		1390		2265					
3.15	P _{GA}	73		127		189		217		*					
	P _{GB}	161		348		601		731		1019					
	P _{GC}	193		416		769		1091		1682					
	P _{GD}	270		612		1140		1548		2349					
3.55	P _{GA}	67.6		127		178		209		*					
	P _{GB}	147		340		553		682		949					
	P _{GC}	174		398		689		988		1519					
	P _{GD}	244		585		1027		1407		2128					
4	P _{GA}	61.9		118		167		189		235					
	P _{GB}	134		309		498		585		891					
	P _{GC}	155		353		604		820		1372					
	P _{GD}	217		521		902		1175		1927					
4.5	P _{GA}	69.7		129		183		238		267					
	P _{GB}	144		316		504		667		872					
	P _{GC}	165		354		599		908		1310					
	P _{GD}	230		521		889		1294		1855					
5	P _{GA}	63.9		125		184		228		290					
	P _{GB}	131		301		488		608		869					
	P _{GC}	147		333		564		801		1243					
	P _{GD}	205		490		841		1145		1770					
5.6	P _{GA}	57.2		111		166		220		277					
	P _{GB}	116		266		435		581		823					
	P _{GC}	128		288		494		745		1164					
	P _{GD}	179		425		739		1071		1663					

* *

敬请垂询

P_{GA} (kW) 齿轮箱不带辅助冷却装置 **)P_{GB} (kW) 齿轮箱带冷却风扇 **)P_{GC} (kW) 齿轮箱带内置冷却盘管 **)P_{GD} (kW) 齿轮箱带冷却风扇和内置冷却盘管 **)

**) 表中数值按

每小时工作周期: 100%

在室内大空间安装

海拔高度至 1000m

***) 表中数值按冷却水入口温度 20°C 和无限定的冷却水出口温度情况下计算得来的。

对于其它情形的重新计算请咨询誉煌销售工程师。

* *) On request

P_{GA} (kW) Gear units without auxiliary cooling **)P_{GB} (kW) Gear units with fan **)P_{GC} (kW) Gear units with built-in cooling coil **)P_{GD} (kW) Gear units with fan and built-in cooling coil **)

**) Values refer to :

Operating cycle: 100 %

Installation in a large hall

Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20°C with unlimited cooling water outlet temperature.

Please consult with YUHUANG sales engineer about recalculation.

02

齿轮箱
热容量
类型 H1SH
规格 3-11
 $n_1 = 1200 \text{ min}^{-1}$

Gear Units

Thermal Capacities

Type H1SH

Sizes 3-11

 $n_1 = 1200 \text{ min}^{-1}$

热容量 P G (Kw) / Thermal capacities P G (Kw)															
i_N		齿轮箱规格/Gear unit sizes													
		3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.25	P _{GA}	*		*		*		*							
	P _{GB}	201		397		480		446							
	P _{GC}	296		666		923		1254							
	P _{GD}	432		1050		1468		1946							
1.4	P _{GA}	*		*		*		*							
	P _{GB}	201		410		507		501							
	P _{GC}	289		660		913		1260							
	P _{GD}	420		1033		1447		1932							
1.6	P _{GA}	57		*		*		*		*					
	P _{GB}	200		424		533		584		528					
	P _{GC}	273		634		869		1246		1924					
	P _{GD}	400		987		1365		1894		3045					
1.8	P _{GA}	69.1		*		*		*		*					
	P _{GB}	225		429		570		633		670					
	P _{GC}	298		604		866		1225		1958					
	P _{GD}	434		942		1352		1846		3049					
2	P _{GA}	68.7		*		*		*		*					
	P _{GB}	218		418		562		638		718					
	P _{GC}	284		573		826		1173		1911					
	P _{GD}	413		889		1286		1765		2952					
2.24	P _{GA}	69.9		*		*		*		*					
	P _{GB}	210		408		541		647		792					
	P _{GC}	268		539		754		1117		1860					
	P _{GD}	391		839		1170		1675		2855					
2.5	P _{GA}	66		*		*		*		*					
	P _{GB}	195		389		518		631		810					
	P _{GC}	241		500		699		1042		1768					
	P _{GD}	352		778		1082		1561		2700					
2.8	P _{GA}	63.7		*		*		*		*					
	P _{GB}	183		366		540		667		812					
	P _{GC}	222		458		708		1057		1656					
	P _{GD}	325		712		1095		1576		2520					
3.15	P _{GA}	70.1		113		159		*		*					
	P _{GB}	181		385		658		789		1055					
	P _{GC}	217		463		848		1193		1798					
	P _{GD}	314		707		1314		1777		2669					
3.55	P _{GA}	65		114		153		*		*					
	P _{GB}	166		376		607		738		990					
	P _{GC}	196		443		761		1083		1629					
	P _{GD}	284		676		1184		1616		2421					
4	P _{GA}	60		108		147		156		*					
	P _{GB}	151		344		549		637		942					
	P _{GC}	174		394		670		903		1482					
	P _{GD}	252		603		1042		1352		2200					
4.5	P _{GA}	68.4		121		169		211		*					
	P _{GB}	163		355		562		737		944					
	P _{GC}	186		397		669		1009		1436					
	P _{GD}	268		604		1030		1495		2131					
5	P _{GA}	63.2		121		174		211		248					
	P _{GB}	149		339		547		678		953					
	P _{GC}	166		375		633		894		1374					
	P _{GD}	239		569		976		1326		2041					
5.6	P _{GA}	56.6		107		157		202		237					
	P _{GB}	132		299		488		647		903					
	P _{GC}	145		324		555		833		1287					
	P _{GD}	208		494		857		1240		1917					

* On request

敬请垂询

P_{GA} (kW) 齿轮箱不带辅助冷却装置 **)P_{GB} (kW) 齿轮箱带冷却风扇 **)P_{GC} (kW) 齿轮箱带内置冷却盘管 **)P_{GD} (kW) 齿轮箱带冷却风扇和内置冷却盘管 **)

**) 表中数值按

每小时工作周期: 100%

在室内大空间安装

海拔高度至 1000m

**) 表中数值按冷却水入口温度 20°C 和无限定的冷却水出口温度情况下计算得来的。

对于其它情形的重新计算请咨询誉煌销售工程师。

* On request

P_{GA} (kW) Gear units without auxiliary cooling **)P_{GB} (kW) Gear units with fan **)P_{GC} (kW) Gear units with built-in cooling coil **)P_{GD} (kW) Gear units with fan and built-in cooling coil **)

**) Values refer to:

Operating cycle: 100 %

Installation in a large hall

Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20°C with unlimited cooling water outlet temperature.

Please consult with YUHUANG sales engineer about recalculation.

02

齿轮箱
热容量
类型 H1SH
规格 3-11
 $n_1=1500 \text{ min}^{-1}$

Gear Units
Thermal Capacities
Type H1SH
Sizes 3-11
 $n_1=1500 \text{ min}^{-1}$

热容量P G(Kw) / Thermal capacities P G (Kw)															
i _N		齿轮箱规格/Gear unit sizes													
		3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.25	P _{GA}	*		*		*		*							
	P _{GB}	210		372		408		*							
	P _{GC}	307		686		946		1276							
	P _{GD}	472		1117		1537		1991							
1.4	P _{GA}	*		*		*		*							
	P _{GB}	212		392		447		375							
	P _{GC}	299		680		937		1285							
	P _{GD}	459		1104		1523		1992							
1.6	P _{GA}	*		*		*		*		*					
	P _{GB}	213		420		500		495		*					
	P _{GC}	284		655		894		1276		1944					
	P _{GD}	438		1063		1452		1982		3039					
1.8	P _{GA}	*		*		*		*		*					
	P _{GB}	241		435		554		575		*					
	P _{GC}	309		625		894		1259		1990					
	P _{GD}	478		1019		1450		1953		3106					
2	P _{GA}	*		*		*		*		*					
	P _{GB}	234		427		553		590		509					
	P _{GC}	295		593		852		1207		1947					
	P _{GD}	455		964		1382		1873		3026					
2.24	P _{GA}	*		*		*		*		*					
	P _{GB}	227		422		544		620		631					
	P _{GC}	278		558		779		1151		1902					
	P _{GD}	431		913		1264		1790		2964					
2.5	P _{GA}	*		*		*		*		*					
	P _{GB}	211		405		525		614		676					
	P _{GC}	251		518		723		1075		1810					
	P _{GD}	388		848		1172		1674		2819					
2.8	P _{GA}	50		*		*		*		*					
	P _{GB}	199		384		553		658		705					
	P _{GC}	231		475		733		1091		1698					
	P _{GD}	359		777		1189		1695		2647					
3.15	P _{GA}	63.8		*		*		*		*					
	P _{GB}	200		415		702		828		1055					
	P _{GC}	226		481		881		1237		1858					
	P _{GD}	348		779		1442		1941		2879					
3.55	P _{GA}	59.8		*		*		*		*					
	P _{GB}	183		407		649		778		998					
	P _{GC}	204		460		791		1124		1685					
	P _{GD}	314		746		1301		1768		2617					
4	P _{GA}	56.2		85.1		*		*		*					
	P _{GB}	166		374		591		677		964					
	P _{GC}	181		410		696		937		1534					
	P _{GD}	280		665		1147		1483		2387					
4.5	P _{GA}	66.4		106		135		*		*					
	P _{GB}	180		389		611		795		994					
	P _{GC}	194		413		696		1049		1489					
	P _{GD}	298		669		1137		1646		2330					
5	P _{GA}	62.5		111		151		169		*					
	P _{GB}	165		373		599		738		1020					
	P _{GC}	173		390		659		930		1427					
	P _{GD}	266		631		1080		1464		2242					
5.6	P _{GA}	56		98.8		136		163		*					
	P _{GB}	146		330		535		704		967					
	P _{GC}	151		337		577		866		1337					
	P _{GD}	232		548		949		1370		2106					

* On request

敬请垂询

P_{GA} (kW) 齿轮箱不带辅助冷却装置 **)P_{GB} (kW) 齿轮箱带冷却风扇 **)P_{GC} (kW) 齿轮箱带内置冷却盘管 ***) ***)P_{GD} (kW) 齿轮箱带冷却风扇和内置冷却盘管 ***) ***)

**) 表中数值按

每小时工作周期: 100%

在室内大空间安装

海拔高度至 1000m

***) 表中数值按冷却水入口温度 20°C 和无限定的冷却水出口温度情况下计算

得来的。

对于其它情形的重新计算请咨询誉煌销售工程师。

* On request

P_{GA} (kW) Gear units without auxiliary cooling **)P_{GB} (kW) Gear units with fan **)P_{GC} (kW) Gear units with built-in cooling coil ***) ***)P_{GD} (kW) Gear units with fan and built-in cooling coil ***) ***)

**) Values refer to :

Operating cycle: 100 %

Installation in a large hall

Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20°C with unlimited cooling water outlet temperature.

Please consult with YUHUANG sales engineer about recalculation.

02

齿轮箱
额定功率
类型H2..
规格3-11
 $n_1=1800\text{min}^{-1}$

Gear Units

Nominal Power Ratings

Type H2..

Sizes 3-11

 $n_1=1800\text{min}^{-1}$

热容量P G(Kw) / Thermal capacities P G (Kw)															
i _N		齿轮箱规格/Gear unit sizes													
		3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.25	P _{GA}	*		*		*		*							
	P _{GB}	210		295		*		*							
	P _{GC}	314		650		851		1058							
	P _{GD}	514		1164		1554		1921							
1.4	P _{GA}	*		*		*		*							
	P _{GB}	214		327		300		*							
	P _{GC}	308		652		859		1096							
	P _{GD}	502		1158		1556		1953							
1.6	P _{GA}	*		*		*		*							
	P _{GB}	219		379		397		*		*					
	P _{GC}	294		643		848		1146		1465					
	P _{GD}	482		1131		1513		2002		2784					
1.8	P _{GA}	*		*		*		*		*					
	P _{GB}	252		411		480		420		*					
	P _{GC}	323		623		867		1171		1625					
	P _{GD}	527		1095		1531		2012		2972					
2	P _{GA}	*		*		*		*		*					
	P _{GB}	245		409		491		454		*					
	P _{GC}	308		595		833		1135		1628					
	P _{GD}	503		1039		1467		1943		2934					
2.24	P _{GA}	*		*		*		*		*					
	P _{GB}	240		414		504		519		*					
	P _{GC}	292		566		773		1105		1661					
	P _{GD}	478		990		1352		1879		2945					
2.5	P _{GA}	*		*		*		*		*					
	P _{GB}	224		402		496		532		*					
	P _{GC}	264		528		722		1043		1613					
	P _{GD}	431		922		1259		1768		2834					
2.8	P _{GA}	*		*		*		*		*					
	P _{GB}	212		386		531		589		*					
	P _{GC}	244		486		737		1069		1543					
	P _{GD}	399		848		1283		1801		2690					
3.15	P _{GA}	52.3		*		*		*		*					
	P _{GB}	217		438		726		832		967					
	P _{GC}	242		505		915		1268		1835					
	P _{GD}	389		862		1587		2118		3074					
3.55	P _{GA}	50		*		*		*		*					
	P _{GB}	199		431		675		788		930					
	P _{GC}	218		484		824		1156		1674					
	P _{GD}	352		827		1434		1933		2804					
4	P _{GA}	48.7		*		*		*		*					
	P _{GB}	181		398		620		695		926					
	P _{GC}	194		433		728		970		1542					
	P _{GD}	313		739		1268		1628		2575					
4.5	P _{GA}	61		*		*		*		*					
	P _{GB}	198		419		653		837		1005					
	P _{GC}	208		439		735		1100		1530					
	P _{GD}	334		746		1265		1822		2547					
5	P _{GA}	59.4		92.5		*		*		*					
	P _{GB}	182		406		646		788		1059					
	P _{GC}	186		416		700		983		1486					
	P _{GD}	299		706		1206		1628		2471					
5.6	P _{GA}	53.2		82.3		*		*		*					
	P _{GB}	161		358		577		752		1004					
	P _{GC}	162		360		613		915		1392					
	P _{GD}	261		613		1059		1523		2321					

* On request

敬请垂询

P_{GA} (kW) 齿轮箱不带辅助冷却装置 **)P_{GB} (kW) 齿轮箱带冷却风扇 **)P_{GC} (kW) 齿轮箱带内置冷却盘管 **)P_{GD} (kW) 齿轮箱带冷却风扇和内置冷却盘管 **)

**) 表中数值按

每小时工作周期: 100%

在室内大空间安装

海拔高度至 1000m

***) 表中数值按冷却水入口温度 20°C 和无限定的冷却水出口温度情况下计算

得来的。

对于其它情形的重新计算请咨询誉煌销售工程师

* On request

P_{GA} (kW) Gear units without auxiliary cooling **)P_{GB} (kW) Gear units with fan **)P_{GC} (kW) Gear units with built-in cooling coil **)P_{GD} (kW) Gear units with fan and built-in cooling coil **)

**) Values refer to :

Operating cycle: 100 %

Installation in a large hall

Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20°C with unlimited cooling water outlet temperature.

Please consult with YUHUANG sales engineer about recalculation.

02

齿轮箱
额定功率
类型 H2..
规格 3-20

Gear Units

Nominal Power Ratings
Type H2..
Sizes 3-20

额定功率P G(Kw) / Nominal power ratings P 2N (kW)																				
i _N	n ₁	n ₂	齿轮箱规格/Gear unit sizes																	
			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6.3	1800	286	102	188	320		607		1009		1775		2575		4282*					
	1500	238	87	157	266		505		839		1477		2143		3563		4859			
	1200	190	69	125	212		403		670		1179		1710		2845		3679			
	1000	159	58	104	178		337		561		987		1431		2380		3246		4861	
7.1	1800	254	92	172	297		539		896		1577		2287		3803*	4255*				
	1500	211	77	143	247		448		744		1310		1900		3159	3535	4308			
	1200	169	62	115	198		359		596		1049		1521		2530	2831	3450	4070		
	1000	141	52	95	165		299		497		875		1269		2111	2362	2679	3395	4311	4946
8	1800	225	82	157	263	318	478	603	793	994	1397	1738	2026	2520	3369*	3769*	4594			
	1500	188	69	131	220	265	399	503	663	830	1167	1452	1692	2106	2815	3149	3838	4527		
	1200	150	55	105	175	212	318	402	529	662	931	1159	1350	1680	2246	2513	3062	3612	4586	
	1000	125	46	87	146	176	265	335	441	552	776	965	1125	1400	1871	2094	2552	3010	3821	4384
9	1800	200	73	140	234	301	425	536	705	883	1241	1545	1801	2240	2994*	3350*	4083	4816		
	1500	167	61	117	195	251	354	447	589	737	1036	1290	1503	1871	2500	2797	3409	4021		
	1200	133	49	93	155	200	282	356	469	587	825	1027	1197	1490	1991	2228	2715	3203	4066	4665
	1000	111	41	77	130	167	235	297	391	490	689	857	999	1243	1662	1859	2266	2673	3393	3893
10	1800	180	66	118	197	271	382	482	635	795	1117	1390	1620	2016	2695*	3015*	3675	4335		
	1500	150	55	98	164	226	318	402	529	662	931	1159	1350	1680	2246	2513	3062	3612	4586	
	1200	120	44	79	131	180	255	321	423	530	745	927	1080	1344	1796	2010	2450	2890	3669	4209
	1000	100	37	65	109	150	212	268	352	441	620	772	900	1120	1497	1675	2041	2408	3057	3507
11.2	1800	161	58	106	178	242	342	431	568	711	999	1244	1449	1803	2410*	2697*	3287	3877	4922	
	1500	134	49	88	148	202	284	359	472	592	832	1035	1206	1501	2006	2245	2736	3227	4097	4700
	1200	107	40	70	118	161	227	286	377	472	664	826	963	1198	1602	1792	2184	2576	3271	3753
	1000	89	33	58	98	134	189	238	314	393	552	687	801	997	1332	1491	1817	2143	2721	3121
12.5	1800	144	52	101	168	203	304	386	508	636	894	1112	1296	1613	2156*	2412*	2940	3488	4402	
	1500	120	44	84	140	169	253	321	423	530	745	927	1080	1344	1796	2010	2450	2890	3669	4209
	1200	96	34	67	112	135	203	257	338	424	596	741	864	1075	1437	1608	1960	2312	2935	3367
	1000	80	29	56	93	113	169	214	282	353	496	618	720	896	1197	1340	1633	1928	2448	2808
14	1800	129	46	90	151	182	274	345	455	570	801	996	1161	1445	1931*	2161*	2534	3106	3844	4525
	1500	107	39	75	125	151	227	286	377	472	664	826	963	1198	1602	1792	2184	2576	3271	3763
	1200	86	31	60	100	121	182	230	303	380	534	664	774	963	1287	1440	1756	2071	2629	3016
	1000	71	26	49	83	100	150	190	250	313	440	548	639	795	1063	1189	1499	1709	2170	2490
16	1800	113	40	79	132	170	240	301	398	499	701	873	1017	1266	1692*	1893*	2307	2721	3455	3963
	1500	94	34	65	110	141	199	250	331	415	583	726	846	1053	1407	1574	1919	2263	2874	3297
	1200	75	27	52	87	113	159	200	264	331	465	579	675	840	1123	1256	1531	1806	2293	2630
	1000	63	23	44	73	94	133	168	222	278	391	486	567	705	943	1055	1286	1517	1926	2209
18	1800	100	36	65	109	150	198	268	352	441	620	772	900	1120	1497*	1675*	2041	2408	3067	3507
	1500	83	30	54	91	125	165	222	292	366	515	641	747	929	1242	1390	1694	1998	2537	2911
	1200	67	25	44	73	101	133	179	236	296	416	517	603	750	1003	1122	1368	1613	2048	2350
	1000	56	21	36	61	84	111	150	197	247	347	432	504	627	838	938	1143	1348	1712	1964
20	1800	90	32	62	105	135	179	241	317	397	558	695	810	1008	1347*	1507*	1837	2167	2751	3157
	1500	75	27	51	87	113	149	201	264	331	465	579	675	840	1123	1256	1531	1806	2293	2630
	1200	60	22	41	70	90	119	160	211	265	372	463	540	672	898	1005	1225	1445	1834	2104
	1000	50	18	34	58	75	99	134	176	220	310	386	450	560	748	837	1020	1204	1528	1753
22.4	1800	80	30	52	91	113	165	201	277	353	488	618		896		1340*		1926		2806
	1500	67	25	44	76	94	138	168	232	296	409	517		750		1122		1613		2350
	1200	54	19	35	61	76	111	135	187	238	329	417		605		904		1300		1694
	1000	45	16	29	51	63	93	113	155	198	274	347		504		753		1083		1578
25	1800	72				107		180		318		556		806						
	1500	60				89		150		265		463		672						
	1200	48				71		120		212		370		537						
	1000	40				59		100		176		309		448						
28	1800	64				93		167		278		485								
	1500	54				78		141		235		409								
	1200	43				62		112		187		326								
	1000	36				52		94		156		273								

卧式安装齿轮箱应采用强制润滑
* 请咨询誉煌销售工程师

Forced lubrication required on horizontal gear units
* Please consult with YUHUANG sales engineer

02

齿轮箱
额定输出扭矩
类型 H2..
规格 3-20

Gear Units

Nominal Output Torques .
Type H2..
Sizes 3-20

额定输出扭矩 T _{2N} (kNm) Nominal Output Torques T _{2N} (kNm)																		
i _N	齿轮箱规格 / Gear unit sizes																	
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.25	2.9		8		15.2		24.7											
1.4	3.1		8.2		15.9		25.6											
1.6	3.3		8.6		16.3		27.1		46		67.4							
1.8	2.7		8.8		17.4		28		47.6		70.9							
2	2.8		9.4		17.8		28.7		49.1		72.9		129					
2.24	2.8		9.6		17.8		28.7		50.6		75.2		130					
2.5	2.9		9.6		17.8		28.7		50.6		77		117					
2.8	3.1		9.6		17.1		27.2		50.6		77							
3.15	3.1		9.6		17.4		28.1		48.1				124		173			
3.55	3.2		9.5		17.8		28.6		50.2		74.4		126		173			
4	3.2		9.6		17.8		28.7		50.6		75.7		130		173		245	
4.5	2.5		7.7		15.8		24.6		46		61.6		109		146		216	
5	2.4		7.2		13.8		23.5		38.7		58.3		95		124		174	
5.6	2.3		6.9		13.1		20.1		36.5		55.4		90.4		118		150	
6.3	3.5	6.3	10.7		20.3		33.7		59.3		86		143		195		292	
7.1	3.5	6.5	11.2		20.3		33.7		59.3		86		143	160	195	230	292	335
8	3.5	6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
9	3.5	6.7	11.2	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
10	3.5	6.3	10.5	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
11.2	3.5	6.3	10.6	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
12.5	3.5	6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
14	3.5	6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
16	3.5	6.7	11.2	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
18	3.5	6.3	10.5	14.4	19	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
20	3.5	6.6	11.2	14.4	19	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
22.4	3.5	6.3	10.9	13.5	19.8	24	33.1	42.2	58.3	73.8	88	107	153	160	200	230	300	335
25			11.6	14.3	21.7	24	35.7	42.2	63.5	73.8	88	107	153	173	200	240	300	345
28			11.6	13.9	21.7	25	35.7	41.6	63.5	72.5	88	109	153	173	200	240	300	345
31.5			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
35.5			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
40			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
45			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
50			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
56			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
63			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
71			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
80			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
90			11.6	15.5	20	27.2	34.5	43.8	63.5	77.2	88	109	153	173	200	240	290	345
100				14.5	21.7	27.2	35.7	43.8	61.6	77.2	90.7	109	153	173	200	226	300	335
112				15	21.7	25.2	35.7	42.8	61.6	77.2	90.7	109	153	173	200	240	300	345
125					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
140					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
160					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
180					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
200					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
224					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
250					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
280					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
315					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
355					19.6	27.2	35.7	44.2	61.6	78	90.7	113	140	173	192	240	290	345
400						27.2		44.2		78		113		158		223		335
450						25.3		42.8		78		113						

02

齿轮箱
热容量
类型 H2..
规格 3-20
n1 = 1000min⁻¹

Gear Units
Thermal Capacities
Type H2..
Sizes 3-20
n1 = 1000min⁻¹

热容量PG (kW) Thermal capacities P G (kW)																			
i _N		齿轮箱规格/Gear unit sizes																	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6.3	P _{GA}	44.1	54.1	66.5		90.3		116		134		*		*					
	P _{GB}		106	143		221		293		450		579		563		625			
	P _{GC}		120	190		305		475		696		1201		1434		1736			
	P _{GD}		162	256		417		626		951		1553		1782		2240			
7.1	P _{GA}	42.2	56.1	69		89.8		117		145		*		*	*				
	P _{GB}		109	146		214		286		454		588		591	589	683	659		
	P _{GC}		121	189		287		447		677		1163		1392	1448	1689	1737		
	P _{GD}		165	256		394		589		931		1510		1746	1810	2166	2260		
8	P _{GA}	40.8	54.4	68.3	74.5	89.1	99	118	120	152	161	*	*	*	*				
	P _{GB}		104	142	157	208	235	279	290	449	509	591	656	613	620	733	719		
	P _{GC}		115	182	197	272	312	425	472	646	884	1110	1263	1348	1407	1649	1693		
	P _{GD}		155	245	266	376	428	562	618	895	1170	1455	1658	1696	1772	2154	2203		
9	P _{GA}	38.5	53.4	67.9	78.1	89.3	100	120	124	160	182	195	212	*	*				
	P _{GB}		101	139	159	202	228	272	283	437	520	594	672	635	655	786	789		
	P _{GC}		109	174	197	259	294	403	442	599	861	1055	1224	1292	1366	1611	1662		
	P _{GD}		150	234	266	357	405	536	582	833	1149	1395	1611	1644	1736	2120	2191		
10	P _{GA}	29.6	51.1	65.4	77.4	88.3	100	119	125	164	193	209	234	200	198				
	P _{GB}		95.7	131	156	193	222	262	278	424	516	587	673	640	668	812	830		
	P _{GC}		102	160	189	243	280	378	422	564	821	999	1167	1224	1303	1548	1611		
	P _{GD}		139	217	255	337	386	505	556	786	1106	1326	1551	1571	1674	2053	2143		
11.2	P _{GA}	37.5	49.3	63.4	76	90.7	99	116	124	173	195	226	247	218	222	229	223		
	P _{GB}		91.7	126	151	196	214	249	270	430	495	601	665	632	669	615	647		
	P _{GC}		97	151	180	241	264	353	398	560	756	986	1113	1148	1237	1468	1553		
	P _{GD}		132	205	245	336	367	473	528	784	1020	1319	1482	1485	1594	1958	2070		
12.5	P _{GA}	36.7	47.8	63	72.3	90.2	95.6	116	122	178	194	226	252	235	235	260	250	301	289
	P _{GB}		87.6	123	142	191	205	244	259	425	475	572	648	637	656	833	844		
	P _{GC}		93.6	149	165	236	250	342	375	549	710	906	1046	1128	1164	1430	1470		
	P _{GD}		126	201	226	327	346	455	498	766	960	1212	1401	1459	1506	1914	1965		
14	P _{GA}	34.3	45.5	60	69.8	83.8	97.7	114	119	173	202	225	266	240	252	274	281	328	333
	P _{GB}		82.9	116	135	175	207	236	247	403	483	547	659	614	659	614	660		
	P _{GC}		87.5	138	156	211	248	322	349	509	705	840	1037	1049	1138	1339	1431		
	P _{GD}		118	186	213	294	345	432	465	711	958	1131	1392	1365	1482	1802	1921		
16	P _{GA}	31.7	41.8	56.6	68.9	79	97	108	117	166	206	212	263	252	254	280	292	341	354
	P _{GB}		75.7	108	131	163	201	221	240	377	476	501	626	617	634	782	837		
	P _{GC}		78.8	126	154	194	242	295	339	464	688	744	947	1027	1059	1245	1341		
	P _{GD}		107	171	208	269	336	397	449	650	932	1007	1276	1341	1381	1680	1810		
18	P _{GA}	30.9	40.1	54.4	65.7	76.1	89.7	103	114	156	200	219	259	248	268	292	299	362	368
	P _{GB}		72.1	103	124	157	184	208	231	352	450	506	598	583	638	768	805		
	P _{GC}		74.1	119	142	185	217	276	319	432	635	747	881	947	1037	1189	1243		
	P _{GD}		100	162	194	257	301	371	425	609	864	1009	1189	1244	1359	1605	1689		
20	P _{GA}	28.8	39.3	51.1	61.7	71.3	85.2	100	109	152	189	208	239	242	258	293	304	381	378
	P _{GB}		70.2	96.8	115	145	172	200	217	339	419	473	543	554	599	751	787		
	P _{GC}		71.7	111	131	169	199	264	293	408	577	681	780	871	957	1140	1181		
	P _{GD}		97.4	150	179	236	276	355	392	575	786	923	1056	1142	1257	1546	1602		
22.4	P _{GA}	28.7	36.4	47.5	59	68.7	81.1	92.3	102	142	175		241		248		300		359
	P _{GB}		64.9	89.4	111	139	165	185	203	314	390		544		566		764		
	P _{GC}		65.3	101	124	161	190	238	273	371	540		780		877		1133		
	P _{GD}		88.9	137	169	224	263	320	366	524	736		1057		1153		1537		
25	P _{GA}				55.3		75.8		99.4		170		227						
	P _{GB}				103		152		196		374		506						
	P _{GC}				114		174		262		506		713						
	P _{GD}				156		242		350		692		965						
28	P _{GA}				51.5		73.3		92.5		160								
	P _{GB}				95.8		146		182		347								
	P _{GC}				104		166		236		459								
	P _{GD}				142		230		318		630								

* *

敬请垂询

P_{GA} (kW) 齿轮箱不带辅助冷却装置 **)P_{GB} (kW) 齿轮箱带冷却风扇 **)P_{GC} (kW) 齿轮箱带内置冷却盘管 **)P_{GD} (kW) 齿轮箱带冷却风扇和内置冷却盘管 **)

**) 表中数值按

每小时工作周期: 100%

在室内大空间安装

海拔高度至 1000m

**) 表中数值按冷却水入口温度 20℃ 和无限定的冷却水出口温度情况下计算得来的。

对于其它情形的重新计算请咨询誉煌销售工程师。

* On request

P_{GA} (kW) Gear units without auxiliary cooling **)P_{GB} (kW) Gear units with fan **)P_{GC} (kW) Gear units with built-in cooling coil **)P_{GD} (kW) Gear units with fan and built-in cooling coil **)

**) Values refer to :

Operating cycle: 100 %

Installation in a large hall

Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20℃ with unlimited cooling water outlet temperature.

Please consult with YUHUANG sales engineer about recalculation.

02

齿轮箱
热容量
类型 H2..
规格 3-20
 $n_1 = 1200 \text{ min}^{-1}$

Gear Units
Thermal Capacities
Type H2..
Sizes 3-20
 $n_1 = 1200 \text{ min}^{-1}$

热容量PG (kW)Thermal capacities P G (kW)																			
i _N		齿轮箱规格/Gear unit sizes																	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6.3	P _{GA}	42.4	49.2	54.6		67.4		*		*		*		*					
	P _{GB}		112	146		220		279		382		415		*					
	P _{GC}		126	196		311		475		665		1088		1192		1360			
	P _{GD}		176	276		445		658		966		1515		1628		1954			
7.1	P _{GA}	41.9	51.8	58.4		70.3		*		*		*		*	*				
	P _{GB}		116	151		215		278		400		452		344	*				
	P _{GC}		127	196		294		451		656		1075		1196	1220	1380	1383		
	P _{GD}		180	276		422		624		956		1497		1636	1670	1971	1997		
8	P _{GA}	40.5	50.9	59.5	63.6	72.9	77.3	88	*	*	*	*	*	*	*				
	P _{GB}		111	149	162	212	236	276	283	410	443	484	526	407	386				
	P _{GC}		121	189	204	281	319	432	477	635	853	1048	1183	1196	1228	1403	1409		
	P _{GD}		170	266	288	404	458	599	654	929	1197	1465	1660	1629	1681	2003	2015		
9	P _{GA}	38.2	51.1	61.6	69.8	77.5	84.3	97.8	97.3	*	*	*	*	*	*	*			
	P _{GB}		109	147	167	210	234	277	285	419	482	529	589	495	490	552	523		
	P _{GC}		116	182	206	269	305	415	453	601	852	1026	1184	1199	1253	1450	1473		
	P _{GD}		164	255	289	386	437	576	622	878	1197	1436	1651	1635	1710	2059	2103		
10	P _{GA}	40.3	49.5	60.9	71.3	79.5	88.1	102	104	121	*	*	*	*	*	*			
	P _{GB}		103	140	166	204	232	272	285	420	498	549	624	545	554	645	635		
	P _{GC}		108	169	198	255	292	392	436	573	825	991	1153	1172	1235	1446	1487		
	P _{GD}		153	237	278	367	419	546	599	836	1167	1386	1616	1598	1691	2051	2121		
11.2	P _{GA}	38.4	48.2	60.1	71.4	83.7	89.7	103	108	138	144	*	*	*	*	*			
	P _{GB}		100	135	161	208	226	262	281	435	491	582	638	569	591	696	705		
	P _{GC}		103	159	190	254	277	369	414	575	769	993	1116	1122	1200	1406	1474		
	P _{GD}		145	225	268	366	400	514	572	841	1086	1393	1561	1535	1638	1994	2092		
12.5	P _{GA}	37.2	47.1	60.4	68.9	84.6	88.4	105	109	149	154	167	*	*	*	*			
	P _{GB}		95.8	133	153	204	218	258	273	436	480	567	638	596	604	748	742		
	P _{GC}		99.8	158	175	249	263	358	393	568	728	921	1061	1118	1147	1396	1423		
	P _{GD}		139	220	248	357	378	496	542	825	1029	1289	1487	1524	1566	1976	2017		
14	P _{GA}	35.1	45.1	58.2	67.3	79.8	92	106	109	151	169	179	207	*	*	*			
	P _{GB}		90.9	126	147	189	222	252	262	420	496	553	663	593	629	761	792		
	P _{GC}		93.4	147	166	223	262	339	367	529	729	862	1062	1055	1138	1328	1410		
	P _{GD}		130	204	234	322	377	472	507	770	1032	1211	1489	1440	1557	1683	1998		
16	P _{GA}	32.2	41.7	55.4	67.1	76.1	92.6	102	109	148	179	176	216	185	*	*			
	P _{GB}		83.1	118	143	177	216	237	256	397	496	514	640	610	620	754	797		
	P _{GC}		84.3	135	164	206	256	312	357	485	716	769	977	1043	1071	1251	1341		
	P _{GD}		118	189	229	295	368	435	491	706	1009	1085	1372	1426	1463	1772	1901		
18	P _{GA}	32.9	40.2	53.7	64.5	74.2	86.8	99	109	144	180	191	223	197	207	217			
	P _{GB}		79.3	113	136	170	200	225	249	375	474	528	621	590	640	762	790		
	P _{GC}		79.3	127	152	196	231	292	337	455	664	778	915	973	1061	1210	1260		
	P _{GD}		111	179	214	283	331	407	465	664	938	1093	1286	1333	1453	1710	1792		
20	P _{GA}	29.3	39.5	50.6	60.9	69.9	82.9	97.1	104	142	172	185	211	200	208	228	230	264	
	P _{GB}		77.4	106	126	158	187	217	235	362	444	497	569	567	608	755	785		
	P _{GC}		76.7	118	140	180	212	280	311	430	606	712	814	899	985	1168	1204		
	P _{GD}		107	166	197	260	304	390	430	628	856	1002	1145	1228	1349	1654	1708		
22.4	P _{GA}	30.1	36.5	47.1	58.3	67.5	79.1	89.4	98.6	133	160		214		202		230		267
	P _{GB}		71.5	98	121	152	179	201	220	336	414		571		577		765		
	P _{GC}		69.9	107	133	172	202	252	290	392	567		815		904		1157		
	P _{GD}		98.3	151	187	247	290	352	401	573	802		1147		1238		1540		
25	P _{GA}				54.7		74.1		95.8		156		202						
	P _{GB}				113		166		213		398		532						
	P _{GC}				122		185		278		532		745						
	P _{GD}				172		266		384		754		1048						
28	P _{GA}				51.2		72		89.9		149								
	P _{GB}				105		160		198		371								
	P _{GC}				111		177		251		484								
	P _{GD}				157		253		350		688								

* *

敬请垂询
 P_{GA} (kW) 齿轮箱不带辅助冷却装置 **)
 P_{GB} (kW) 齿轮箱带冷却风扇 **)
 P_{GC} (kW) 齿轮箱带内置冷却盘管 ***)
 P_{GD} (kW) 齿轮箱带冷却风扇和内置冷却盘管 ***)
**) 表中数值按
每小时工作周期: 100%
在室内大空间安装
海拔高度至 1000m
***) 表中数值按冷却水入口温度 20°C 和无限定的冷却水出口温度情况下计算
得来的。
对于其它情形的重新计算请咨询誉煌销售工程师。

* * On request

P_{GA} (kW) Gear units without auxiliary cooling **)
 P_{GB} (kW) Gear units with fan **)
 P_{GC} (kW) Gear units with built-in cooling coil ***)
 P_{GD} (kW) Gear units with fan and built-in cooling coil ***)

**) Values refer to :

Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20°C with unlimited cooling water outlet temperature.

Please consult with YUHUANG sales engineer about recalculation.

02

齿轮箱
热容量
类型 H2..
规格 3-20
 $n_1 = 1500 \text{ min}^{-1}$

Gear Units
Thermal Capacities
Type H2..
Sizes 3-20
 $n_1 = 1500 \text{ min}^{-1}$

热容量PG (kW) Thermal capacities P G (kW)																			
i_N		齿轮箱规格/Gear unit sizes																	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6.3	P_{GA}	40.4	48.5	48.8		*		*		*		*		*					
	P_{GB}		132	172		256		322		428		442		*					
	P_{GC}		146	226		357		542		746		1197		1267		1410			
	P_{GD}		210	327		525		774		1124		1739		1824		2151			
7.1	P_{GA}	41.7	51.6	53.9		*		*		*		*		*	*				
	P_{GB}		137	177		252		323		453		493		338	*				
	P_{GC}		148	226		338		516		740		1193		1289	1305	1458	1443		
	P_{GD}		214	327		449		735		1117		1728		1851	1880	2199	2209		
8	P_{GA}	40.3	51.4	56.4	59.2	64.9	*	*	*	*	*	*	*	*	*				
	P_{GB}		132	175	191	249	276	322	328	469	501	537	580	422	390				
	P_{GC}		140	219	236	323	367	496	545	720	961	1171	1319	1306	1332	1507	1500		
	P_{GD}		202	316	341	479	542	707	772	1088	1397	1700	1923	1860	1910	2261	2260		
9	P_{GA}	38.1	52.4	60.5	67.8	73.2	77.2	86.3	*	*	*	*	*	*	*				
	P_{GB}		129	174	198	248	275	324	333	484	553	600	666	541	530	584	542		
	P_{GC}		135	211	238	311	352	477	521	686	968	1159	1335	1332	1386	1593	1606		
	P_{GD}		196	303	344	458	518	682	736	1033	1405	1679	1927	1889	1970	2360	2400		
10	P_{GA}	41.1	51.4	61.1	70.9	77.7	84.2	96	95.3	*	*	*	*	*	*				
	P_{GB}		123	165	196	241	273	320	335	489	577	631	715	612	617	710	691		
	P_{GC}		126	196	230	295	338	453	503	657	943	1128	1309	1316	1383	1611	1649		
	P_{GD}		182	282	331	436	498	648	710	987	1375	1628	1896	1861	1964	2374	2447		
11.2	P_{GA}	39.1	50.4	61.2	72.2	83.4	88	99.9	103	119	*	*	*	*	*				
	P_{GB}		118	160	191	246	267	309	331	509	572	674	738	648	669	784	787		
	P_{GC}		120	185	221	294	321	427	479	662	882	1135	1274	1269	1354	1582	1651		
	P_{GD}		174	268	319	436	475	610	679	995	1283	1642	1838	1796	1913	2323	2431		
12.5	P_{GA}	38.3	49.5	62.1	70.5	85.6	88.3	104	106	135	*	*	*	*	*				
	P_{GB}		113	157	181	242	258	305	322	512	562	660	742	685	691	851	840		
	P_{GC}		116	183	204	289	305	415	454	655	837	1056	1215	1272	1302	1579	1605		
	P_{GD}		166	263	295	425	450	589	644	978	1218	1523	1755	1790	1836	2311	2355		
14	P_{GA}	35.9	47.6	60.4	69.5	81.7	93.2	106	108	142	153	*	*	*	*				
	P_{GB}		108	150	174	224	263	298	310	494	583	647	774	686	726	875	906		
	P_{GC}		108	171	193	259	304	393	425	611	841	991	1220	1205	1298	1511	1600		
	P_{GD}		155	243	279	384	449	562	603	914	1223	1434	1761	1697	1832	2211	2342		
16	P_{GA}	33.1	44.1	57.8	69.8	78.6	94.9	104	110	144	169	160	193	*	*				
	P_{GB}		98.9	140	169	210	257	281	303	469	583	603	751	710	721	873	919		
	P_{GC}		98.1	157	191	239	297	362	414	561	827	887	1125	1196	1226	1429	1528		
	P_{GD}		141	225	273	352	438	518	584	839	1197	1286	1626	1684	1726	2068	2236		
18	P_{GA}	34	42.7	56.4	67.6	77.3	89.8	101	111	143	175	181	209	170	*				
	P_{GB}		94.4	134	162	202	237	266	296	443	560	621	731	690	748	888	919		
	P_{GC}		92.4	148	177	229	268	339	392	527	769	899	1057	1119	1219	1387	1442		
	P_{GD}		132	213	255	338	395	486	555	790	1115	1297	1526	1578	1718	2020	2114		
20	P_{GA}	31.7	42	53.3	64	73.1	86.3	100	107	142	170	179	202	179	182				
	P_{GB}		92.1	126	150	188	222	257	278	428	525	586	670	665	712	682	915		
	P_{GC}		89.4	138	162	209	247	326	362	499	702	823	941	1036	1133	1342	1382		
	P_{GD}		128	198	235	310	363	465	512	747	1019	1191	1360	1455	1597	1956	2019		
22.4	P_{GA}	31.5	38.9	49.7	61.3	70.7	82.4	92.6	101	133	159		206		179				
	P_{GB}		85.2	116	144	181	213	239	261	397	489		673		676		893		
	P_{GC}		81.5	125	155	200	235	293	337	454	657		942		1041		1329		
	P_{GD}		117	181	223	295	346	420	478	682	954		1362		1467		1939		
25	P_{GA}				57.6		77.2		98.9		155		195						
	P_{GB}				134		197		252		470		627						
	P_{GC}				142		216		323		617		862						
	P_{GD}				206		318		458		898		1245						
28	P_{GA}				54.1		75.5		93.4		150								
	P_{GB}				125		190		235		439								
	P_{GC}				130		206		292		562								
	P_{GD}				187		302		417		819								

* On request

敬请垂询

 P_{GA} (kW) 齿轮箱不带辅助冷却装置 **) P_{GB} (kW) 齿轮箱带冷却风扇 **) P_{GC} (kW) 齿轮箱带内置冷却盘管 **) P_{GD} (kW) 齿轮箱带冷却风扇和内置冷却盘管 **)

**) 表中数值按

每小时工作周期: 100%

在室内大空间安装

海拔高度至 1000m

**) 表中数值按冷却水入口温度 20°C 和无限定的冷却水出口温度情况下计算得来的。

对于其它情形的重新计算请咨询誉煌销售工程师。

* On request

 P_{GA} (kW) Gear units without auxiliary cooling **) P_{GB} (kW) Gear units with fan **) P_{GC} (kW) Gear units with built-in cooling coil **) P_{GD} (kW) Gear units with fan and built-in cooling coil **)

**) Values refer to :

Operating cycle: 100 %

Installation in a large hall

Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20 °C with unlimited cooling water outlet temperature.

Please consult with YUHUANG sales engineer about recalculation.

02

齿轮箱
热容量
类型 H2..
规格 3-20
 $n_1 = 1800 \text{ min}^{-1}$

Gear Units
Thermal Capacities
Type H2..
Sizes 3-20
 $n_1 = 1800 \text{ min}^{-1}$

		热容量PG (kW) Thermal capacities P G (kW)																	
i_N		齿轮箱规格/Gear unit sizes																	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6.3	P_{GA}	36.5	40.6	*		*		*		*		*		*					
	P_{GB}		144	181		263		319		366		*		*					
	P_{GC}		157	239		373		558		732		1102		1027		1020			
	P_{GD}		236	361		574		832		1154		1678		1562		1661			
7.1	P_{GA}	32.7	44.6	*		*		*		*		*		*	*				
	P_{GB}		150	189		262		325		408		357		*	*				
	P_{GC}		159	241		355		536		738		1127		1102	1081	1147	1080		
	P_{GD}		240	363		548		797		1163		1710		1666	1644	1832	1759		
8	P_{GA}	33.2	45.7	*	*	*	*	*	*	*	*	*	*	*	*	*			
	P_{GB}		145	188	204	262	287	330	332	441	444	436	453	*	*				
	P_{GC}		152	234	251	342	386	519	567	728	954	1134	1266	1169	1165	1269	1219		
	P_{GD}		228	352	379	529	595	772	837	1149	1449	1722	1931	1749	1757	2006	1941		
9	P_{GA}	34.6	48.3	50.5	54.7	*	*	*	*	*	*	*	*	*	*	*			
	P_{GB}		143	189	214	266	293	341	347	481	530	547	595	402	363				
	P_{GC}		146	227	256	332	374	505	548	707	985	1160	1327	1265	1296	1455	1438		
	P_{GD}		221	340	384	510	574	753	809	1113	1494	1755	2003	1877	1930	2262	2254		
10	P_{GA}	34.7	48.5	53.7	61	63.7	65.2	*	*	*	*	*	*	*	*	*			
	P_{GB}		136	181	214	261	294	342	355	501	577	611	683	526	510	547	495		
	P_{GC}		137	211	248	317	361	483	534	687	975	1152	1331	1294	1345	1541	1555		
	P_{GD}		207	318	372	489	555	720	787	1077	1485	1736	2013	1913	1999	2378	2418		
11.2	P_{GA}	34.6	48.3	55.6	64.6	72.1	73.2	79.4	*	*	*	*	*	*	*	*			
	P_{GB}		132	177	210	269	290	333	355	533	587	675	733	600	604	679	655		
	P_{GC}		130	200	239	317	345	457	512	698	923	1175	1314	1276	1350	1558	1609		
	P_{GD}		197	303	359	490	533	682	756	1095	1401	1775	1980	1886	1994	2393	2478		
12.5	P_{GA}	34.1	47.9	57.7	64.6	76.5	76.6	87.5	86.5	*	*	*	*	*	*	*			
	P_{GB}		127	174	200	266	282	332	348	543	587	677	756	662	656	786	754		
	P_{GC}		126	199	221	313	329	447	487	695	883	1105	1267	1298	1321	1585	1596		
	P_{GD}		189	297	333	480	506	661	720	1083	1340	1662	1910	1908	1945	2426	2451		
14	P_{GA}	33.8	46.5	57	65	75	83.7	93.7	92.7	*	*	*	*	*	*	*			
	P_{GB}		120	166	193	247	289	326	338	530	618	676	805	686	717	846	861		
	P_{GC}		118	186	209	281	329	424	458	653	892	1045	1284	1246	1336	1543	1623		
	P_{GD}		177	276	316	434	507	632	677	1018	1355	1578	1933	1832	1969	2358	2482		
16	P_{GA}	31.2	43.5	55.4	66.4	73.6	87.3	94.2	98	116	*	*	*	*	*	*			
	P_{GB}		110	155	188	232	283	309	333	507	625	639	792	727	731	872	905		
	P_{GC}		107	171	207	260	322	392	448	602	882	941	1192	1249	1275	1477	1571		
	P_{GD}		160	256	310	399	496	584	658	939	1333	1424	1767	1836	1875	2253	2401		
18	P_{GA}	30.5	42.3	54.7	65.2	73.7	84.5	94.5	102	122	142	*	*	*	*	*			
	P_{GB}		105	150	180	225	263	295	326	483	606	667	782	722	777	912	934		
	P_{GC}		101	161	192	249	292	368	424	567	825	960	1127	1180	1282	1451	1503		
	P_{GD}		151	242	290	383	447	550	627	887	1249	1446	1698	1736	1885	2206	2299		
20	P_{GA}	29.3	41.8	52.1	62.2	70.2	82	94.4	99.9	125	144	142	157	*	*	*			
	P_{GB}		103	140	168	210	246	285	308	469	571	633	722	702	748	918	944		
	P_{GC}		97.8	150	177	228	268	354	392	539	755	882	1007	1098	1197	1412	1449		
	P_{GD}		146	225	268	352	411	527	580	842	1143	1331	1519	1609	1761	2148	2209		
22.4	P_{GA}	25.8	38.7	48.6	59.6	68	78.5	87.3	94.7	118	135		162		*				
	P_{GB}		95.6	130	161	202	237	265	289	436	533		726		712		924		
	P_{GC}		89.1	136	169	218	256	319	366	491	708		1009		1101		1395		
	P_{GD}		133	205	253	335	392	476	541	768	1071		1522		1619		2125		
25	P_{GA}				56.1		73.8		92.5		133		156						
	P_{GB}				150		219		280		513		678						
	P_{GC}				154		235		351		665		924						
	P_{GD}				234		360		519		1009		1392						
28	P_{GA}				53		72.8		88.5		133								
	P_{GB}				139		212		261		482								
	P_{GC}				142		224		318		606								
	P_{GD}				213		344		473		923								

* On request

敬请垂询
P GA (kW) 齿轮箱不带辅助冷却装置 **
P GB (kW) 齿轮箱带冷却风扇 **
P GC (kW) 齿轮箱带内置冷却盘管 **
P GD (kW) 齿轮箱带冷却风扇和内置冷却盘管 **

**) 表中数值按
每小时工作周期: 100%
在室内大空间安装
海拔高度至 1000m
***) 表中数值按冷却水入口温度 20°C 和无限的冷却水出口温度情况下计算得来的。
对于其它情形的重新计算请咨询誉煌销售工程师。

* On request

P GA (kW) Gear units without auxiliary cooling **
P GB (kW) Gear units with fan **
P GC (kW) Gear units with built-in cooling coil **
P GD (kW) Gear units with fan and built-in cooling coil **

**) Values refer to :

Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20°C with unlimited cooling water outlet temperature.

Please consult with YUHUANG sales engineer about recalculation.

02

齿轮箱
额定功率
类型 H3..
规格 5-20

Gear Units

Nominal Power Ratings

Type H3..

Sizes 5-20

额定功率P 2N (kW) / Nominal power ratings P 2N (kW)																		
i _N	n ₁	n ₂	齿轮箱规格/Gear unit sizes															
			5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
22.4	1800	80									737		1281		1675		2513	
	1500	67									617		1073		1403		2104	
	1200	54									497		865		1130		1696	
	1000	45									414		720		942		1413	
25	1800	72	87		163		269		478		663		1153	1304	1507	1809	2261	2601
	1500	60	72		136		224		398		552		961	1086	1258	1507	1884	2167
	1200	48	58		109		179		319		442		769	869	1005	1206	1507	1734
	1000	40	48		90		149		265		368		640	724	837	1005	1258	1445
28	1800	64	77		145		239		425		589	730	1025	1159	1340	1608	2010	2312
	1500	54	65		122		201		359		497	616	865	978	1130	1357	1696	1950
	1200	43	52		97		160		285		396	490	688	778	900	1080	1350	1553
	1000	36	43		81		134		239		331	410	576	652	753	904	1130	1300
31.5	1800	57	69	92	129	162	213	261	379	460	525	650	913	1032	1193	1432	1790	2059
	1500	48	58	77	109	136	179	220	319	388	442	547	769	869	1005	1206	1507	1734
	1200	38	46	61	86	108	142	174	252	307	350	433	608	688	795	954	1193	1372
	1000	32	38	51	72	91	119	146	212	258	294	365	512	579	670	804	1005	1156
35.5	1800	51	61	82	115	145	190	233	339	412	469	582	817	923	1058	1281	1602	1842
	1500	42	51	68	95	119	157	192	279	339	387	479	672	760	879	1055	1319	1517
	1200	34	41	55	77	96	127	155	226	274	313	388	544	615	712	854	1068	1228
	1000	28	34	45	63	79	104	128	186	226	258	319	448	507	585	703	879	1011
40	1800	45	54	73	102	128	168	206	299	363	414	513	720	815	942	1130	1413	1625
	1500	38	46	61	86	108	142	174	252	307	350	433	608	688	795	954	1193	1372
	1200	30	36	48	68	85	112	137	199	242	276	342	480	543	628	753	942	1083
	1000	25	30	40	56	71	93	114	166	202	230	285	400	452	523	628	785	903
45	1800	40	48	64	90	113	149	183	265	323	368	456	640	724	837	1005	1256	1445
	1500	33	40	53	74	93	123	151	219	266	304	376	528	597	691	829	1036	1192
	1200	27	32	43	61	76	100	123	179	218	248	308	432	489	565	678	848	976
	1000	22	26	35	49	62	82	100	146	177	202	251	352	398	480	552	691	794
50	1800	36	43	58	81	102	134	165	239	291	331	410	576	652	753	904	1130	1300
	1500	30	36	48	68	85	112	137	199	242	276	342	480	543	628	753	942	1083
	1200	24	29	38	54	68	89	110	159	194	221	273	384	434	562	603	753	867
	1000	20	24	32	45	56	74	91	132	161	184	228	320	362	418	502	628	722
56	1800	32	38	51	72	91	119	146	212	258	294	365	512	579	670	804	1005	1156
	1500	27	32	43	61	76	100	123	179	218	248	308	432	489	585	678	848	975
	1200	21	25	34	47	59	78	96	139	169	193	239	336	380	439	527	659	758
	1000	17.9	21	29	40	50	66	82	119	144	164	204	286	324	374	449	562	648
63	1800	29	35	47	65	82	108	133	192	234	267	330	464	525	607	728	910	1047
	1500	24	29	38	54	68	89	110	159	194	221	273	384	434	502	603	753	867
	1200	19	23	30	43	54	71	87	126	153	175	216	304	344	397	477	596	688
	1000	15.9	19	25	36	45	59	72	105	128	146	181	254	288	332	399	499	574
71	1800	25	30	40	56	71	93	114	166	202	230	285	400	452	523	628	785	903
	1500	21	25	34	47	59	78	96	139	169	193	239	336	380	439	527	659	758
	1200	16.9	20	27	38	48	63	77	112	136	155	192	270	306	353	424	530	610
	1000	14.1	17	22	32	40	52	64	93	113	129	160	225	255	295	354	442	509
80	1800	23	27	37	52	65	85	105	152	185	211	262	368	416	481	578	722	830
	1500	18.8	22	30	42	53	70	86	125	151	173	214	301	340	393	472	590	679
	1200	15	18	24	34	42	56	68	99	121	138	171	240	271	314	376	471	541
	1000	12.5	15	20	28	35	46	57	83	101	115	142	200	226	261	314	392	451
90	1800	20	24	32	41	56	72	91	132	161	184	228	320	362	418	502	607	722
	1500	16.7	20	27	34	47	60	76	111	134	153	190	267	302	349	419	507	603
	1200	13.3	16	21	27	37	48	60	88	107	122	151	213	240	278	334	403	480
	1000	11.1	13	18	23	31	40	50	73	89	102	126	177	201	232	278	337	400
100	1800	18		27		51		82		145		205		326		425		631
	1500	15		22		42		68		121		171		271		354		526
	1200	12		18		34		55		97		136		217		283		420
	1000	10		15		28		45		80		114		181		236		350
112	1800	16.1		25		42		72		130		183						
	1500	13.4		21		35		60		108		152						
	1200	10.7		16		28		47		86		122						
	1000	8.9		13		23		39		71		101						

02

齿轮箱
额定输出扭矩
类型 H3..
规格 5-20

Gear Units
Nominal Output Torques
Type H3..
Sizes 5-20

额定输出扭矩 T 2N (kNm) Nominal Output Torques T 2N (kNm)																		
i _N	齿轮箱规格/Gear unit sizes																	
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.25	2.9		8		15.2		24.7											
1.4	3.1		8.2		15.9		25.6											
1.6	3.3		8.6		16.3		27.1		46		67.4							
1.8	2.7		8.8		17.4		28		47.6		70.9							
2	2.8		9.4		17.8		28.7		49.1		72.9		129					
2.24	2.8		9.6		17.8		28.7		50.6		75.2		130					
2.5	2.9		9.6		17.8		28.7		50.6		77		112					
2.8	3.1		9.6		17.1		27.2		50.6		77		120					
3.15	3.1		9.6		17.4		28.1		48.1		73.1		124		173			
3.55	3.2		9.5		17.8		28.6		50.2		74.4		126		173			
4	3.2		9.6		17.8		28.7		50.6		75.7		130		173		245	
4.5	2.5		7.7		15.8		24.6		46		61.6		109		146		216	
5	2.4		7.2		13.8		23.5		38.7		58.3		95		124		174	
5.6	2.3		6.9		13.1		20.1		36.5		55.4		90.4		118		150	
6.3		6.3	10.7		20.3		33.7		59.3		86		143		195		292	
7.1		6.5	11.2		20.3		33.7		59.3		86		143	160	195	230	292	
8		6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
9		6.7	11.2	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
10		6.3	10.5	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
11.2		6.3	10.6	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
12.5		6.7	11.2	13.5	20.2	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
14		6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
16		6.7	11.2	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
18		6.3	10.5	14.4	19	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
20		6.6	11.2	14.4	19	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
22.4		6.3	10.9	13.5	19.8	24	33.1	42.2	58.3	73.8	88	107	153	160	200	230	300	335
25			11.6	14.3	21.7	24	35.7	42.2	63.5	73.8	88	107	153	173	200	240	300	345
28			11.6	13.9	21.7	25	35.7	41.6	63.5	72.5	88	109	153	173	200	240	300	345
31.5			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
35.5			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
40			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
45			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
50			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
56			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
63			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
71			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
80			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
90			11.6	15.5	20	27.2	34.5	43.8	63.5	77.2	88	109	153	173	200	240	290	345
100				14.5	21.7	27.2	35.7	43.8	61.6	77.2	90.7	109	153	173	200	226	300	335
112				15	21.7	25.2	35.7	42.8	61.6	77.2	90.7	109	153	173	200	240	300	345
125					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
140					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
160					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
180					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
200					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
224					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
250					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
280					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
315					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
355					19.6	27.2	35.7	44.2	61.6	78	90.7	113	140	173	192	240	290	345
400						27.2		44.2		78		113		158		223		335
450						25.3		42.8		78		113						

02

齿轮箱
热容量
类型 H3..
规格 5-20
 $n_1=1000\text{min}^{-1}$

Gear Units

Thermal Capacities

Type H3..

Sizes 5-20

 $n_1=1000\text{min}^{-1}$

热容量 P _G (kW) Thermal capacities P _G (kW)																	
i _N		齿轮箱规格/Gear unit sizes															
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
22.4	P _{GA}									196		258		270		325	
	P _{GB}									303		432		440			
	P _{GC}									561		903		903			
	P _{GD}									650		1043		1029			
25	P _{GA}	49.9		73.5		99.3		145		191		253	265	263	276	323	333
	P _{GB}	73.4		110		152		230		294		420	443	427	451		
	P _{GC}	105		169		247		419		533		850	913	851	906		
	P _{GD}	125		201		293		492		617		986	1055	972	1033		
28	P _{GA}	48		74.2		99		142		186	214	254	264	265	274	326	338
	P _{GB}	70.7		112		150		222		286	327	417	434	425	441		
	P _{GC}	99.7		167		239		392		500	586	820	860	819	854		
	P _{GD}	118		200		284		464		583	680	957	999	942	961		
31.5	P _{GA}	46.7	54	71.4	79.1	96.9	100	138	164	184	211	252	265	265	276	327	341
	P _{GB}	68.5	78.6	107	118	146	151	215	255	279	319	411	432	425	440		
	P _{GC}	95.6	109	158	173	230	286	374	431	480	556	783	829	819	826		
	P _{GD}	114	130	190	206	273	333	443	509	560	647	917	969	942	952		
35.5	P _{GA}	45.2	51.9	69.4	79.7	93.9	99.8	134	159	180	206	244	264	263	274	325	342
	P _{GB}	66.2	75.6	104	119	142	149	208	246	271	311	395	425	418	433		
	P _{GC}	91.3	103	151	171	219	278	354	403	456	523	725	792	785	789		
	P _{GD}	109	123	183	205	262	324	422	480	534	612	854	934	908	916		
40	P _{GA}	42.7	50.4	66	76.6	88.9	96.5	129	155	174	201	237	253	255	264	317	336
	P _{GB}	62.3	73.3	98.9	113	134	145	199	238	261	302	380	406	401	412		
	P _{GC}	84.8	98.8	141	161	204	265	333	384	431	499	683	734	725	730		
	P _{GD}	101	117	170	194	244	310	397	457	506	586	809	867	844	853		
45	P _{GA}	40.8	48.7	63.6	74.3	85.6	94	128	149	167	194	237	245	247	254	316	326
	P _{GB}	59.6	70.7	95	110	128	141	199	229	250	291	378	390	387	397		
	P _{GC}	80.1	94.4	134	155	193	254	326	364	405	475	669	693	685	689		
	P _{GD}	96	113	162	186	232	298	389	434	475	557	793	817	799	804		
50	P _{GA}	39.6	46.1	60.1	70.9	84.2	89.4	127	145	166	190	241	249	248	269	320	332
	P _{GB}	57.5	66.7	89.6	104	126	133	195	222	245	283	378	393	381	399		
	P _{GC}	77.3	87.7	126	145	189	236	319	344	394	448	662	678	655	671		
	P _{GD}	92.8	105	152	174	225	277	381	411	465	529	785	805	771	793		
56	P _{GA}	37.6	44.3	57.5	68.4	80.4	86.2	118	145	161	183	232	250	240	258	311	332
	P _{GB}	54.5	63.9	85.2	100	120	128	181	221	238	271	361	390	387	394		
	P _{GC}	72.6	83	118	138	176	223	289	337	373	421	617	669	614	660		
	P _{GD}	86.7	99.7	143	166	212	262	345	403	441	499	735	795	723	777		
63	P _{GA}	35.5	42.7	53.7	64.7	76.2	84.6	113	143	154	180	222	242	230	250	295	324
	P _{GB}	51.2	61.4	79.4	95.1	112	124	171	216	226	265	343	375	349	378		
	P _{GC}	67.3	80.1	109	129	163	218	268	330	347	410	570	622	567	616		
	P _{GD}	80.6	96.2	130	156	197	257	321	395	411	486	681	746	672	730		
71	P _{GA}	35.1	40.5	52.1	61.6	74.6	80.5	110	133	150	174	216	229	221	237	292	303
	P _{GB}	50.6	58.1	76.7	90.4	110	119	166	200	219	255	333	353	334	357		
	P _{GC}	66.5	75.1	104	120	160	204	258	298	331	389	548	577	542	571		
	P _{GD}	79.7	89.9	126	145	191	239	309	357	393	461	655	690	644	676		
80	P _{GA}	33.3	38.2	50.9	57.6	70.6	76.1	104	125	145	165	208	222	213	228	277	299
	P _{GB}	47.9	54.5	74.9	84.1	104	111	156	188	213	241	320	342	321	343		
	P _{GC}	61.8	69.7	100	111	148	189	238	277	319	361	517	555	512	546		
	P _{GD}	74.2	83.6	121	134	179	222	286	332	378	429	620	663	608	648		
90	P _{GA}	32.9	37.8	48.1	55.7	67.1	74.3	100	123	136	160	196	215	201	219	263	283
	P _{GB}	47.3	54.1	70.7	81.1	98.8	108	151	183	199	233	301	328	302	329		
	P _{GC}	60.1	69.1	93.1	107	138	185	228	267	293	345	479	524	474	516		
	P _{GD}	72.3	82.8	112	129	166	217	275	321	348	409	573	628	564	614		
100	P _{GA}		35.9		54.6		70.7		116		156		203		208		272
	P _{GB}		51.2		79.5		103		173		227		310		310		
	P _{GC}		64.2		103		172		247		332		484		478		
	P _{GD}		77.2		125		202		297		394		581		589		
112	P _{GA}		35.5		51.7		67.2		112		146						
	P _{GB}		50.7		75.2		98.3		168		213						
	P _{GC}		62.5		95.8		159		237		306						
	P _{GD}		75.2		116		188		286		364						

[*]

敬请垂询

P_{GA} (kW) 齿轮箱不带辅助冷却装置 **)P_{GB} (kW) 齿轮箱带冷却风扇 **)P_{GC} (kW) 齿轮箱带内置冷却盘管 **)P_{GD} (kW) 齿轮箱带冷却风扇和内置冷却盘管 **)

**) 表中数值按

每小时工作周期: 100%

在室内大空间安装

海拔高度至 1000m

***) 表中数值按冷却水入口温度 20°C 和无限定的冷却水出口温度情况下计算

得来的。

对于其它情形的重新计算请咨询誉煌销售工程师。

[*] On request

P_{GA} (kW) Gear units without auxiliary cooling **)P_{GB} (kW) Gear units with fan **)P_{GC} (kW) Gear units with built-in cooling coil **)P_{GD} (kW) Gear units with fan and built-in cooling coil **)

**) Values refer to :

Operating cycle: 100 %

Installation in a large hall

Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20°C with unlimited cooling water outlet temperature.

Please consult with YUHUANG sales engineer about recalculation.

02 齿轮箱

热容量
类型 H3..
规格 5-20
 $n_1=1200\text{min}^{-1}$

Gear Units

Thermal Capacities
Type H3..
Sizes 5-20
 $n_1=1200\text{min}^{-1}$

热容量 $P_G(\text{kW})$ Thermal capacities $P_G(\text{kW})$																	
i_N		齿轮箱规格 / Gear unit sizes															
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
22.4	P_{GA}									173		209		205		232	
	P_{GB}									295		393		382			
	P_{GC}									580		913		901			
	P_{GD}									681		1059		1023			
25	P_{GA}	49.8		72.6		96.6		136		170		207	212	203	207	234	235
	P_{GB}	79.1		118		160		235		288		385	399	375	386		
	P_{GC}	113		180		262		439		552		862	921	852	900		
	P_{GD}	138		221		319		527		647		1004	1066	970	1021		
28	P_{GA}	48.1		73.7		97.1		134		170	193	216	221	215	217	252	255
	P_{GB}	76.5		120		159		229		285	324	394	404	387	394		
	P_{GC}	106		179		255		413		521	609	839	875	828	859		
	P_{GD}	131		221		311		500		617	718	987	1024	958	987		
31.5	P_{GA}	47.1	54.2	71.3	78.6	95.8	98.4	132	156	171	194	222	230	223	230	267	274
	P_{GB}	74.4	85.3	115	127	157	161	225	263	283	322	399	415	394	408		
	P_{GC}	102	117	169	185	245	305	396	454	503	581	808	852	802	840		
	P_{GD}	126	144	210	227	300	365	481	549	598	690	959	1008	935	975		
35.5	P_{GA}	45.7	52.5	69.7	79.8	93.6	99	130	153	171	194	222	237	228	239	279	290
	P_{GB}	72.2	82.4	113	128	153	160	220	257	280	320	393	420	391	417		
	P_{GC}	98.3	110	163	183	234	297	376	427	481	550	755	822	749	812		
	P_{GD}	121	137	202	227	289	356	460	521	576	658	905	984	884	954		
40	P_{GA}	43.3	51.1	66.5	76.9	88.9	96.2	126	150	167	192	219	231	223	235	279	293
	P_{GB}	68.1	80	107	123	145	156	212	251	272	313	383	406	383	404		
	P_{GC}	91.3	106	151	173	219	284	355	407	455	527	714	765	712	756		
	P_{GD}	112	131	189	215	270	342	434	497	547	633	862	921	843	895		
45	P_{GA}	41.5	49.4	64.2	74.7	85.9	93.9	126	145	161	186	220	226	224	229	281	287
	P_{GB}	65.2	77.3	103	120	139	152	212	242	261	303	384	393	382	392		
	P_{GC}	86.3	101	144	166	207	272	347	387	429	502	701	724	698	715		
	P_{GD}	106	125	180	206	256	329	427	474	516	603	847	871	828	848		
50	P_{GA}	40.4	47	61.2	71.9	85.2	90.3	127	144	164	187	232	239	235	245	300	309
	P_{GB}	63.2	73.2	98.2	114	137	145	210	238	262	301	395	410	394	410		
	P_{GC}	83.5	94.6	136	156	203	254	342	368	421	477	701	717	691	707		
	P_{GD}	103	117	169	193	250	307	421	452	510	580	852	872	832	853		
56	P_{GA}	38.5	45.3	58.7	69.7	81.8	87.7	119	146	161	183	228	245	234	250	300	319
	P_{GB}	60.1	70.4	93.7	110	131	140	197	240	257	292	384	414	387	414		
	P_{GC}	78.5	89.7	128	148	190	241	311	361	400	451	658	713	652	700		
	P_{GD}	96.9	111	160	185	236	292	383	446	486	550	805	869	789	846		
63	P_{GA}	36.4	43.9	55.1	66.4	78	86.5	115	145	156	182	222	242	229	249	293	320
	P_{GB}	56.6	67.9	87.6	105	124	137	188	236	247	289	371	405	375	406		
	P_{GC}	72.8	86.6	118	139	176	235	289	356	374	441	611	667	607	659		
	P_{GD}	90.2	107	146	174	220	286	357	439	456	540	753	824	741	804		
71	P_{GA}	36.1	41.6	53.5	63.2	76.4	82.4	112	135	152	177	217	230	222	236	290	301
	P_{GB}	56	64.3	84.8	99.8	122	131	182	219	239	279	361	382	351	385		
	P_{GC}	72	81.2	113	130	173	220	279	321	357	419	589	620	581	611		
	P_{GD}	89.2	100	141	163	214	267	345	398	436	512	725	764	712	746		
80	P_{GA}	34.3	39.2	52.3	59.1	72.4	78	106	128	148	167	210	224	214	228	277	299
	P_{GB}	53	60.3	82.8	92.9	114	123	172	207	233	264	348	371	348	371		
	P_{GC}	66.9	75.5	109	120	160	204	257	298	344	389	556	596	550	586		
	P_{GD}	83	93.6	136	150	200	248	319	370	420	478	688	735	673	716		
90	P_{GA}	33.9	38.9	49.5	57.2	68.8	76.2	103	125	138	163	199	217	203	220	264	284
	P_{GB}	52.4	59.8	78.3	89.7	109	119	166	201	218	256	328	358	329	357		
	P_{GC}	65.1	74.8	100	115	149	200	247	288	316	372	515	563	509	555		
	P_{GD}	81	92.7	126	145	186	242	307	358	388	455	637	697	625	680		
100	P_{GA}		37		56.3		72.7		119		160		207		212		276
	P_{GB}		56.8		88.1		114		191		251		340		340		
	P_{GC}		69.5		112		186		267		359		523		515		
	P_{GD}		86.5		140		226		332		441		648		534		
112	P_{GA}		36.6		53.3		69.2		116		150						
	P_{GB}		56.2		83.4		108		185		235						
	P_{GC}		67.8		103		172		257		330						
	P_{GD}		84.3		130		211		320		407						

* 敬请垂询

 P_{GA} (kW) 齿轮箱不带辅助冷却装置 **) P_{GB} (kW) 齿轮箱带冷却风扇 **) P_{GC} (kW) 齿轮箱带内置冷却盘管 ***) P_{GD} (kW) 齿轮箱带冷却风扇和内置冷却盘管 ***)

**) 表中数值按

每小时工作周期: 100%

在室内大空间安装

海拔高度至 1000m

***) 表中数值按冷却水入口温度 20°C 和无限定的冷却水出口温度情况下计算得来的。

对于其它情形的重新计算请咨询誉煌销售工程师。

* On request

 P_{GA} (kW) Gear units without auxiliary cooling **) P_{GB} (kW) Gear units with fan **) P_{GC} (kW) Gear units with built-in cooling coil ***) P_{GD} (kW) Gear units with fan and built-in cooling coil ***)

**) Values refer to:

Operating cycle: 100 %

Installation in a large hall

Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20°C with unlimited cooling water outlet temperature.

Please consult with YUHUANG sales engineer about recalculation.

02

齿轮箱

热容量 类型 H3..

规格 5-20

 $n_1=1500\text{min}^{-1}$

Gear Units

Thermal Capacities

Type H3..

Sizes 5-20

 $n_1=1500\text{min}^{-1}$

热容量 P _G (kW)Thermal capacities P _G (kW)																	
i _N		齿轮箱规格 /Gear unit sizes															
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
22.4	P _{GA}									169		193		180			
	P _{GB}									346		463		450			
	P _{GC}									668		1050		1035			
	P _{GD}									811		1267		1228			
25	P _{GA}	52.5		76.1		100		138		167		192	193	180			
	P _{GB}	92.4		138		187		275		338		453	470	442	455		
	P _{GC}	130		208		302		507		636		992	1059	979	1036		
	P _{GD}	163		261		378		626		771		1201	1277	1164	1227		
28	P _{GA}	50.9		77.5		101		137		169	191	206	207	198	196	222	
	P _{GB}	89.4		140		186		268		334	380	463	475	455	464		
	P _{GC}	123		207		294		477		600	701	966	1008	953	988		
	P _{GD}	155		261		368		593		734	854	1179	1224	1145	1182		
31.5	P _{GA}	49.9	57.4	75.3	82.8	100	102	137	159	173	196	217	222	212	216	246	249
	P _{GB}	86.9	99.6	135	148	183	188	263	308	332	377	468	487	483	480		
	P _{GC}	118	135	195	214	283	352	457	523	580	670	930	981	924	967		
	P _{GD}	149	170	248	268	355	432	570	650	710	819	1143	1202	1116	1165		
35.5	P _{GA}	48.6	55.7	73.9	84.4	98.7	104	135	158	175	198	222	235	221	232	268	276
	P _{GB}	84.3	96.2	132	150	178	186	257	300	328	374	461	493	459	489		
	P _{GC}	113	127	188	211	271	343	434	492	555	634	870	948	863	935		
	P _{GD}	143	161	239	268	342	421	544	617	683	781	1075	1171	1052	1137		
40	P _{GA}	46.1	54.3	70.6	81.4	93.9	101	132	156	172	197	221	232	221	231	272	283
	P _{GB}	79.5	93.4	125	144	170	182	248	293	318	366	449	476	449	474		
	P _{GC}	105	122	175	200	252	327	410	470	525	608	823	882	820	871		
	P _{GD}	133	154	223	254	319	404	514	589	649	750	1024	1094	1003	1066		
45	P _{GA}	44.2	52.5	68.2	79.2	90.8	99.1	132	151	166	192	223	227	224	227	276	280
	P _{GB}	76.1	90.2	120	140	162	177	247	283	306	355	450	460	448	480		
	P _{GC}	99.7	117	167	192	239	314	401	447	495	579	809	835	804	823		
	P _{GD}	126	148	212	243	303	388	505	561	611	714	1006	1034	985	1009		
50	P _{GA}	43.2	50.1	65.2	76.6	90.6	95.9	134	151	171	195	240	246	242	250	304	313
	P _{GB}	73.8	85.5	114	133	160	169	246	278	306	352	462	479	462	480		
	P _{GC}	96.4	109	157	181	235	293	395	425	485	551	809	827	752	815		
	P _{GD}	122	138	200	228	295	362	497	534	603	686	1009	1033	934	1012		
56	P _{GA}	41.2	48.5	62.7	74.4	87.3	93.4	127	154	170	192	239	256	241	260	310	329
	P _{GB}	70.1	82.2	109	129	153	164	230	280	300	341	449	484	439	482		
	P _{GC}	90.6	103	148	172	219	278	359	417	461	521	759	822	700	808		
	P _{GD}	114	131	188	218	278	344	452	527	574	650	952	1028	876	1001		
63	P _{GA}	39.1	47	59	71	83.5	92.5	122	154	166	194	235	255	264	262	307	336
	P _{GB}	66.1	79.2	102	122	145	160	219	276	288	338	434	473	422	474		
	P _{GC}	84.1	100	136	161	204	272	334	411	432	510	706	770	671	760		
	P _{GD}	106	126	172	205	259	338	421	518	538	637	889	973	841	950		
71	P _{GA}	38.7	44.6	57.3	67.7	81.8	88.2	120	144	162	188	230	243	227	249	306	316
	P _{GB}	65.3	75	98.9	116	142	153	213	256	279	325	422	447	406	450		
	P _{GC}	83.1	93.8	130	151	200	255	322	371	412	484	680	715	635	706		
	P _{GD}	105	118	166	192	252	315	407	469	515	605	857	902	795	881		
80	P _{GA}	36.8	42.1	56	63.3	77.6	83.5	113	136	158	178	223	237	215	241	292	315
	P _{GB}	61.9	70.3	96.6	108	134	143	201	241	272	308	406	434	384	433		
	P _{GC}	77.3	87.2	125	139	185	236	297	345	398	449	642	688	555	676		
	P _{GD}	97.9	110	160	177	236	293	377	437	496	564	812	868	738	846		
90	P _{GA}	36.3	41.8	53.1	61.4	73.8	81.6	110	134	148	173	211	231	233	280	306	
	P _{GB}	61.1	69.8	91.3	104	127	140	194	235	255	298	383	418	417			
	P _{GC}	75.1	86.4	116	133	172	231	285	333	365	430	595	651	540			
	P _{GD}	95.5	109	148	171	219	286	362	422	458	537	752	823	803			
100	P _{GA}		39.7		60.4		78		128		171		221		226		294
	P _{GB}		66.2		102		133		223		293		397		397		
	P _{GC}		80.3		129		215		308		415		604		595		
	P _{GD}		101		165		266		392		520		764		248		
112	P _{GA}		39.3		57.2		74.3		124		161						
	P _{GB}		65.6		97.3		127		216		274						
	P _{GC}		78.3		119		199		296		382						
	P _{GD}		99.4		153		248		377		479						

* 敬请垂询

 P_{GA} (kW) 齿轮箱不带辅助冷却装置 **) P_{GB} (kW) 齿轮箱带冷却风扇 **) P_{GC} (kW) 齿轮箱带内置冷却盘管 ***) **) P_{GD} (kW) 齿轮箱带冷却风扇和内置冷却盘管 ***) **)

**) 表中数值按

每小时工作周期 : 100%

在室内大空间安装

海拔高度至 1000m

***) 表中数值按冷却水入口温度 20°C 和无限定的冷却水出口温度情况下计算得来的。

对于其它情形的重新计算请咨询誉煌销售工程师。

* On request

 P_{GA} (kW) Gear units without auxiliary cooling **) P_{GB} (kW) Gear units with fan **) P_{GC} (kW) Gear units with built-in cooling coil ***) **) P_{GD} (kW) Gear units with fan and built-in cooling coil ***) **)

**) Values refer to :

Operating cycle: 100 %

Installation in a large hall

Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20°C with unlimited cooling water outlet temperature.

Please consult with YUHUANG sales engineer about recalculation.

02 | 齿轮箱

热容量
类型 H3..
规格 5-20
 $n_1=1800\text{min}^{-1}$

Gear Units

Thermal Capacities
Type H3..
Sizes 5-20
 $n_1=1800\text{min}^{-1}$

热容量 $P_G(\text{kW})$ Thermal capacities $P_G(\text{kW})$																	
i_N		齿轮箱规格 / Gear unit sizes															
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
22.4	P_{GA}									141		*					
	P_{GB}									352			446		416		
	P_{GC}									713		1103		1075			
	P_{GD}									881		1350		1290			
25	P_{GA}	52.9		75.6		97.7		126		140		*	*				
	P_{GB}	101		150		201		289		345		439	448	411	414		
	P_{GC}	143		227		329		547		679		1043	mo	1020	1072		
	P_{GD}	183		292		421		689		839		1282	1356	1225	1285		
28	P_{GA}	51.6		77.6		99.8		129		148	165	*	*				
	P_{GB}	97.9		153		202		285		346	392	460	466	439	439		
	P_{GC}	135		226		321		516		644	751	1023	1064	1001	1033		
	P_{GD}	174		292		411		655		803	932	1269	1312	1219	1252		
31.5	P_{GA}	50.9	58.3	76	82.9	100	101	131	149	157	176	179	178				
	P_{GB}	95.5	109	147	162	199	204	281	327	348	394	475	490	459	470		
	P_{GC}	130	148	214	234	309	384	496	566	625	721	992	1043	948	1020		
	P_{GD}	168	191	279	301	397	482	632	719	781	900	1240	1300	1200	1248		
35.5	P_{GA}	49.8	56.9	75.1	85.3	99.2	104	132	152	164	184	194	201	184	187	208	
	P_{GB}	92.9	105	145	164	195	203	277	322	348	396	477	507	467	493		
	P_{GC}	124	140	206	232	296	375	472	535	601	686	933	1015	920	995		
	P_{GD}	161	182	268	301	383	471	606	685	755	862	1176	1278	1144	1231		
40	P_{GA}	47.3	55.7	72	82.7	94.9	101	130	151	164	186	199	205	190	194	223	227
	P_{GB}	87.7	102	138	158	186	199	268	315	339	390	469	495	452	484		
	P_{GC}	116	135	192	219	277	359	447	511	570	659	887	947	878	930		
	P_{GD}	149	173	250	285	357	453	573	655	719	831	1124	1199	1005	1160		
45	P_{GA}	45.5	53.9	69.7	80.6	92	99.9	131	147	159	183	203	204	196	194	231	230
	P_{GB}	84	99.5	132	154	178	194	268	305	327	379	472	481	454	473		
	P_{GC}	109	129	183	211	262	345	438	487	537	628	872	898	853	882		
	P_{GD}	141	166	239	273	340	435	563	624	678	792	1107	1135	1077	1101		
50	P_{GA}	44.7	51.9	67.3	78.7	92.9	98	135	152	170	193	231	234	228	233	280	285
	P_{GB}	81.7	94.6	126	147	177	186	269	303	332	381	495	512	491	508		
	P_{GC}	106	120	172	199	258	322	433	465	530	601	879	897	864	881		
	P_{GD}	137	155	225	257	332	407	558	598	673	766	1120	1146	1092	1117		
56	P_{GA}	42.9	50.4	65	77	90.1	96.2	129	157	171	194	236	252	237	252	298	315
	P_{GB}	77.7	91.1	121	143	169	181	253	307	329	373	487	523	458	521		
	P_{GC}	99.9	114	163	189	241	306	395	458	505	570	829	897	820	879		
	P_{GD}	129	148	212	246	314	388	508	592	644	728	1063	1147	1040	1114		
63	P_{GA}	40.8	49	61.5	73.9	86.8	96	126	159	170	198	238	258	243	262	307	334
	P_{GB}	73.4	88	113	135	160	177	242	304	317	372	475	517	479	517		
	P_{GC}	92.7	110	150	178	225	299	368	452	474	560	774	844	767	832		
	P_{GD}	120	143	194	232	293	381	475	584	606	716	998	1091	981	1064		
71	P_{GA}	40.4	46.6	59.8	70.5	85.1	91.6	124	149	166	193	234	247	237	251	307	317
	P_{GB}	72.6	83.3	109	129	158	170	235	283	308	359	463	490	452	492		
	P_{GC}	91.7	103	144	166	220	281	355	408	453	532	746	785	735	773		
	P_{GD}	118	134	188	217	285	356	458	529	580	681	962	1012	943	987		
80	P_{GA}	38.4	44	58.5	66	80.8	86.8	118	141	162	183	228	242	230	244	295	317
	P_{GB}	68.8	78.2	107	120	148	159	222	267	300	340	447	476	446	475		
	P_{GC}	85.3	96.2	138	153	204	260	327	380	437	494	705	756	695	742		
	P_{GD}	110	124	181	200	266	331	425	492	559	635	912	975	892	949		
90	P_{GA}	38	43.6	55.4	64	76.9	85	114	139	152	179	217	236	219	237	284	304
	P_{GB}	67.9	77.6	101	116	141	155	215	260	282	330	422	460	422	458		
	P_{GC}	82.9	95.3	128	147	190	254	314	367	401	473	654	715	645	703		
	P_{GD}	107	123	168	193	247	323	409	476	516	605	846	925	829	902		
100	P_{GA}		41.6		63.2		81.6		133		178		229		233		303
	P_{GB}		73.7		114		148		247		325		440		439		
	P_{GC}		88.6		142		237		340		457		665		655		
	P_{GD}		115		186		301		442		587		862		843		
112	P_{GA}		41.2		59.9		77.8		130		168						
	P_{GB}		73		108		141		240		305						
	P_{GC}		86.4		132		220		327		421						
	P_{GD}		112		173		281		426		542						

* 敬请垂询

 P_{GA} (kW) 齿轮箱不带辅助冷却装置 **) P_{GB} (kW) 齿轮箱带冷却风扇 **) P_{GC} (kW) 齿轮箱带内置冷却盘管 ***) ***) P_{GD} (kW) 齿轮箱带冷却风扇和内置冷却盘管 ***) ***)

**) 表中数值按

每小时工作周期: 100%

在室内大空间安装

海拔高度至 1000m

***) 表中数值按冷却水入口温度 20°C 和无限的冷却水出口温度情况下计算得来的。

对于其它情形的重新计算请咨询誉煌销售工程师。

* On request

 P_{GA} (kW) Gear units without auxiliary cooling **) P_{GB} (kW) Gear units with fan **) P_{GC} (kW) Gear units with built-in cooling coil ***) ***) P_{GD} (kW) Gear units with fan and built-in cooling coil ***) ***)

**) Values refer to :

Operating cycle: 100 %

Installation in a large hall

Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20°C with unlimited cooling water outlet temperature.

Please consult with YUHUANG sales engineer about recalculation.

02 | 齿轮箱

额定功率
类型 H4..
规格 7-20

Gear Units

Nominal Power Ratings
Type H4..
Sizes 7-20

热容量 P _c (kW) / Nominal power ratings P _{2N} (kW)																
i _n	n ₁	n ₂	齿轮箱规格 / Gear unit sizes													
			7	8	9	10	11	12	13	14	15	16	17	18	19	20
100	1800	18	40		67		116		170		288		376		565	
	1500	15	34		56		96		142		240		314		471	
	1200	12	27		44		77		113		192		251		376	
	1000	10	22		37		64		94		160		209		314	
112	1800	16.1	36		60		103		152		257	291	337	404	505	581
	1500	13.4	30		50		86		127		214	242	280	335	420	484
	1200	10.7	24		39		69		101		171	193	224	268	336	386
	1000	8.9	20		33		57		84		142	161	186	223	229	321
125	1800	14.4	32	41	53	66	92	117	136	170	230	260	301	361	452	520
	1500	12	27	34	44	55	77	98	113	141	192	217	251	301	376	433
	1200	9.6	21	27	35	44	61	78	91	113	153	173	201	241	301	346
	1000	8	18	22	29	37	51	65	75	94	128	144	167	201	251	289
140	1800	12.9	29	36	48	59	83	105	122	152	206	233	270	324	405	466
	1500	10.7	24	30	39	49	69	87	101	126	171	193	224	268	336	386
	1200	8.6	19	24	32	39	55	70	81	101	137	155	180	216	270	310
	1000	7.1	16	20	26	32	45	57	67	84	113	128	148	178	223	256
160	1800	11.3	25	32	42	52	72	92	107	133	181	204	236	283	354	408
	1500	9.4	21	26	35	43	60	76	89	111	150	170	196	236	295	339
	1200	7.5	17	21	28	34	48	61	71	88	120	135	157	188	235	270
	1000	6.3	14	17	23	29	40	51	59	74	100	114	131	158	197	227
180	1800	10	22	28	37	46	64	81	94	118	160	181	209	251	314	361
	1500	8.3	18	23	31	38	53	67	78	98	132	150	173	208	260	299
	1200	6.7	15	19	25	31	43	54	63	79	107	121	140	168	210	242
	1000	5.6	12	15	20	25	36	45	53	66	89	101	117	140	175	202
200	1800	9	20	25	33	41	58	73	85	106	144	163	188	226	282	325
	1500	7.5	17	21	28	34	48	61	71	88	120	135	157	188	235	270
	1200	6	13	17	22	27	38	49	56	70	96	108	125	150	188	216
	1000	5	11	14	18	23	32	40	47	59	80	90	104	125	157	180
224	1800	8	18	22	29	37	51	65	75	94	128	144	167	201	251	286
	1500	6.7	15	19	25	31	43	54	63	79	107	121	140	168	210	242
	1200	5.4	12	15	20	24	34	44	51	63	86	97	113	135	169	195
	1000	4.5	10	12	16	20	29	36	42	53	72	81	94	113	141	162
250	1800	7.2	16	20	26	33	46	58	68	85	115	130	150	180	226	260
	1500	6	13	17	22	27	38	49	56	70	96	108	125	150	188	216
	1200	4.8	10	13	17	22	30	39	45	56	76	86	100	120	150	173
	1000	4	9	11	14	18	25	32	37	47	64	72	83	100	125	144
280	1800	6.4	14	18	23	29	41	52	60	75	102	115	134	160	201	231
	1500	5.4	12	15	20	24	34	44	51	63	86	97	113	135	169	195
	1200	4.3	9.7	12	16	19	27	35	40	50	68	77	96	108	135	155
	1000	3.6	8.1	10	13	16	23	29	34	42	57	65	75	90	113	130
315	1800	5.7	12	16	21	26	36	46	54	67	91	103	119	143	179	205
	1500	4.8	10	13	17	22	30	39	45	56	76	86	100	120	150	173
	1200	3.8	8.6	10	14	17	24	31	36	44	60	68	79	95	119	137
	1000	3.2	7.2	9.1	11	14	20	26	30	37	51	57	67	80	100	115
355	1800	5.1	10	14	19	23	32	41	48	60	74	92	102	128	154	184
	1500	4.2	8.6	11	15	19	27	34	39	49	61	76	84	105	127	151
	1200	3.4	6.9	9.6	12	15	21	27	32	40	49	61	38	85	103	122
	1000	2.8	5.7	7.9	10	12	18	22	26	33	41	50	56	70	85	101
400	1800	4.5		12		20		36		53		74		105		157
	1500	3.8		10		17		31		44		62		88		133
	1200	3		8.5		13		24		35		49		70		105
	1000	2.5		7.1		11		20		29		41		58		87
450	1800	4		10		17		32		47						
	1500	3.3		8.7		14		26		39						
	1200	2.7		7.1		12		22		31						
	1000	2.2		5.8		9.8		17		26						

02 | 齿轮箱

额定输出扭矩
类型 H4..
规格 7-20

Gear Units

Nominal Output Torques
Type H4..
Sizes 7-20

额定输出扭矩 T_{2N} (kNm) Nominal Output Torques T_{2N} (kNm)																		
i_N	齿轮箱规格 / Gear unit sizes																	
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1.25	2.9		8		15.2		24.7											
1.4	3.1		8.2		15.9		25.6											
1.6	3.3		8.6		16.3		27.1		46		67.4							
1.8	2.7		8.8		17.4		28		47.6		70.9							
2	2.8		9.4		17.8		28.7		49.1		72.9		129					
2.24	2.8		9.6		17.8		28.7		50.6		75.2		130		14-19			
2.5	2.9		9.6		17.8		28.7		50.6		76		112					
2.8	3.1		9.6		17.1		27.2		50.6		77		120		see pages 14-19			
3.15	3.1		9.6		17.4		28.1		48.1		73.1		124		173			
3.55	3.2		9.5		17.8		28.6		50.2		74.4		126		173			
4	3.2		9.6		17.8		28.7		50.6		75.7		130		173		245	
4.5	2.5		7.7		15.8		24.6		46		61.6		109		146		216	
5	2.4		7.2		13.8		23.5		38.7		58.3		95		124		174	
5.6	2.3		6.9		13.1		20.1		36.5		55.4		90.4		118		150	
6.3		6.3	10.7		20.3		33.7		59.3		86		143		195		292	
7.1		6.5	11.2		20.3		33.7		59.3		86		143	160	195	230	292	335
8		6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
9		6.7	11.2	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
10		6.3	10.5	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
11.2		6.3	10.6	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
12.5		6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
14		6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
16		6.7	11.2	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
18		6.3	10.5	14.4	19	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
20		6.6	11.2	14.4	19	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335
22.4		6.3	10.9	13.5	19.8	24	33.1	42.2	58.3	73.8	88	107	153	160	195	230	300	335
25			11.6	14.3	21.7	24	35.7	42.2	63.5	73.8	88	107	153	173	200	240	300	345
28			11.6	13.9	21.7	25	35.7	41.6	63.5	72.5	88	109	153	173	200	240	300	345
31.5			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
35.5			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
40			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
45			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
50			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
56			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
63			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
71			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
80			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345
90			11.6	15.5	20	27.2	34.5	43.8	63.5	77.2	88	109	153	173	200	240	290	345
100				14.5	21.7	27.2	35.7	43.8	61.6	77.2	90.7	109	153	173	200	226	300	335
112				15	21.7	25.2	35.7	42.8	61.6	77.2	90.7	109	153	173	200	240	300	345
125					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
140					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
160					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
180					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
200					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
224					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
250					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
280					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
315					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
355					19.6	27.2	35.7	44.2	61.6	78	90.7	113	140	173	192	240	290	345
400						27.2		44.2		78		113		158		223		335
450						25.3		42.8		78		113						

02

齿轮箱

热容量类型 H4..

规格 7-20

 $n_1=1000\text{min}^{-1}$

Gear Units

Thermal Capacities

Type H4..

Sizes 7-20

 $n_1=1000\text{min}^{-1}$

热容量 $P_G(\text{kW})$ /Thermal capacities $P_G(\text{kW})$															
i_N		齿轮箱规格 /Gear unit sizes													
		7	8	9	10	11	12	13	14	15	16	17	18	19	20
100	P_{GA}	43.6		60.8		90.1		120		161		180		253	
112	P_{GA}	42		58.2		89.4		117		154	166	173	185	243	280
125	P_{GA}	40.8	46.8	56.4	61.1	85.8	99.7	114	128	149	160	167	177	235	249
140	P_{GA}	38.7	44.9	54.6	58.5	83	98.9	110	125	144	153	161	171	227	241
160	P_{GA}	37.2	43.6	51.6	56.7	79	95.3	104	121	138	148	154	165	218	232
180	P_{GA}	35.8	41.4	49.4	54.9	76.2	91.8	100	118	136	142	151	158	208	224
200	P_{GA}	34.4	39.9	47.8	51.8	72	87.6	98.2	111	132	139	146	156	201	214
224	P_{GA}	32.4	38.2	45.9	49.6	69	84.4	93.7	107	123	136	136	151	193	206
250	P_{GA}	31	37	43.8	48.2	65.6	79.7	89.1	104	117	126	130	141	183	198
280	P_{GA}	30.1	34.7	42.5	46.2	63.1	76.7	86.3	99.1	113	120	126	133	176	168
315	P_{GA}	29.4	33.3	40.5	44.1	61.6	72.7	82.8	95.5	108	116	121	130	172	181
355	P_{GA}	28.1	32.3	39.8	42.8	58.6	69.9	78.9	91.9	106	111	118	124	164	177
400	P_{GA}		31.6		40.8		68.3		88.3		109		121		168
450	P_{GA}		30.1		40.1		64.9		84.2						

 $n_1=1200\text{min}^{-1}$ $n_1=1200\text{min}^{-1}$

热容量 $P_G(\text{kW})$ /Thermal capacities $P_G(\text{kW})$															
i_N		齿轮箱规格 /Gear unit sizes													
		7	8	9	10	11	12	13	14	15	16	17	18	19	20
100	P_{GA}	45.4		63.1		92.4		121		160		178		246	
112	P_{GA}	43.9		60.6		92.4		120		156	167	173	185	241	257
125	P_{GA}	42.7	49	58.8	63.7	89	103	117	132	152	162	169	179	237	250
140	P_{GA}	40.6	47.1	57.1	61.1	86.5	102	114	129	148	158	164	175	231	245
160	P_{GA}	39.1	45.7	54.1	59.4	82.5	99.4	108	126	143	153	159	170	224	238
180	P_{GA}	37.7	43.6	52	57.7	80	96.2	105	123	142	148	157	165	216	232
200	P_{GA}	36.3	42	50.3	54.5	75.7	92.1	103	117	139	146	153	163	211	224
224	P_{GA}	34.2	40.3	48.4	52.4	72.8	89	98.8	113	130	144	144	159	204	217
250	P_{GA}	32.7	39	46.2	50.8	69.2	84	94	110	123	133	137	148	193	209
280	P_{GA}	31.7	36.6	44.9	48.7	66.6	80.9	91.1	104	120	126	133	141	186	198
315	P_{GA}	31.1	35.1	42.8	46.5	64.9	76.7	87.3	100	114	122	127	137	182	191
355	P_{GA}	29.6	34	42	45.2	61.8	73.8	83.3	96.9	112	118	124	131	173	187
400	P_{GA}		33.4		43.1		72		93.2		115		128		177
450	P_{GA}		31.7		42.3		68.5		88.8						

 $n_1=1500\text{min}^{-1}$ $n_1=1500\text{min}^{-1}$

热容量 $P_G(\text{kW})$ /Thermal capacities $P_G(\text{kW})$															
i_N		齿轮箱规格 /Gear unit sizes													
		7	8	9	10	11	12	13	14	15	16	17	18	19	20
100	P_{GA}	48.7		67.6		99.1		130		172		190		264	
112	P_{GA}	47.1		65.1		99.1		129		167	179	186	198	259	276
125	P_{GA}	45.8	52.5	63.1	68.3	95.5	110	126	142	163	174	181	192	254	268
140	P_{GA}	43.5	50.5	61.3	65.6	92.8	110	123	139	158	169	176	188	248	263
160	P_{GA}	41.9	49.1	58	63.7	88.5	106	116	135	153	164	171	182	240	255
180	P_{GA}	40.4	46.7	55.8	61.9	85.8	103	113	132	152	159	184	177	232	249
200	P_{GA}	38.9	45.1	54	58.5	81.3	98.9	110	126	149	157	164	175	226	240
224	P_{GA}	36.7	43.2	52	56.2	78.1	95.5	106	121	140	154	154	170	219	233
250	P_{GA}	35.1	41.9	49.6	54.5	74.2	90.2	100	118	132	143	147	159	206	224
280	P_{GA}	34	39.3	48.2	52.3	71.4	86.8	97.7	112	128	135	143	151	199	213
315	P_{GA}	33.3	37.6	45.9	49.9	69.7	82.2	93.7	108	122	131	136	147	195	204
355	P_{GA}	31.8	36.5	45.1	48.5	66.3	79.2	89.4	104	120	126	133	141	186	200
400	P_{GA}		35.8		46.2		77.3		100		123		138		190
450	P_{GA}		34		45.4		73.5		95.3						

 $n_1=1800\text{min}^{-1}$ $n_1=1800\text{min}^{-1}$

热容量 $P_G(\text{kW})$ /Thermal capacities $P_G(\text{kW})$															
i_N		齿轮箱规格 /Gear unit sizes													
		7	8	9	10	11	12	13	14	15	16	17	18	19	20
100	P_{GA}	51.1		70.7		102		134		174		191		263	
112	P_{GA}	49.5		68.2		103		133		171	183	189	201	262	279
125	P_{GA}	48.1	55.2	66.3	71.7	99.8	115	131	147	168	179	186	197	259	273
140	P_{GA}	45.9	53.2	64.5	69	97.3	115	128	145	165	175	183	194	255	271
160	P_{GA}	44.2	51.7	61.1	67.1	93	111	122	142	160	171	178	190	249	265
180	P_{GA}	42.7	49.4	58.9	65.3	90.4	108	119	139	160	167	177	185	243	261
200	P_{GA}	41.2	47.7	57.1	61.9	85.8	104	116	133	157	165	173	184	238	253
224	P_{GA}	38.9	45.7	55	59.5	82.7	101	112	128	148	163	163	180	232	247
250	P_{GA}	37.1	44.3	52.5	57.7	78.5	95.4	106	125	140	151	155	168	22	237
280	P_{GA}	36	41.6	51	55.3	75.6	91.8	103	118	136	143	151	160	211	225
315	P_{GA}	35.3	39.8	48.6	52.8	73.7	87	99.1	114	129	139	144	155	207	216
355	P_{GA}	33.6	38.6	47.7	51.3	70.1	83.8	94.6	110	127	134	141	149	197	212
400	P_{GA}		37.9		48.9		81.8		105		130		146		201
450	P_{GA}		36		48		77.8		100						

 P_{GA} (kW) 齿轮箱不带辅助冷却装置**) P_{GA} (kW) Gear units without auxiliary cooling**)

**) 表中数值按: 每小时工作周期: 100%, 在室内大空间安装, 海拔高度至 1000m

**) Values refer to: Operating cycle: 100 %, Installation in a large hall, Altitude up to 1000 m

02 | 齿轮箱

额定输出功率
类型 B2..
规格 4-12

Gear Units

Nominal Power Ratings
Type B2..
Sizes 4-12

热容量 P_{2N} (kW) / Nominal power ratings P_{2N} (kW)											
i_N	n_1	n_2	齿轮箱规格 / Gear unit sizes								
			4	5	6	7	8	9	10	11	12
5	1800	360	229	354		716		1127		1734*	
	1500	300	191	295		596		939		1445	
	1200	240	153	236		477		751		1156	
	1000	200	127	196		397		626		963	
5.6	1800	321	208	315		638		1005		1616*	
	1500	268	173	263		533		839		1349	
	1200	214	138	210		425		670		1077	
	1000	179	116	176		356		560		901	
6.3	1800	286	185	281	359	569	712	895	1138	1503*	1760*
	1500	238	154	234	299	473	593	745	947	1251	1465
	1200	190	123	187	238	378	473	594	756	998	1169
	1000	159	103	156	199	316	396	497	632	835	978
7.1	1800	254	164	250	319	505	633	795	1010	1393*	1619*
	1500	211	136	207	265	419	525	660	839	1157	1345
	1200	169	109	166	212	336	421	529	672	927	1077
	1000	141	91	138	177	280	351	441	561	773	899
8	1800	225	146	221	282	447	560	704	895	1272*	1486*
	1500	188	122	185	236	374	468	588	748	1063	1242
	1200	150	97	147	188	298	373	469	596	848	991
	1000	125	81	123	157	248	311	391	497	706	825
9	1800	200	129	196	251	397	498	626	795	1130*	1365*
	1500	167	108	164	209	332	416	522	664	944	1140
	1200	133	86	130	167	264	331	416	529	752	908
	1000	111	72	109	139	220	276	347	441	627	757
10	1800	180	116	177	226	358	448	563	716	1017*	1249*
	1500	150	97	147	188	298	373	469	596	848	1041
	1200	120	77	118	150	238	299	375	477	678	833
	1000	100	64	98	125	198	249	313	397	565	694
11.2	1800	161	104	158	202	320	401	504	640	910*	1117*
	1500	134	86	131	168	266	333	419	533	757	930
	1200	107	69	105	134	212	266	335	425	605	742
	1000	89	57	87	111	177	221	278	354	503	617
12.5	1800	144			180		358		572		999*
	1500	120			150		299		477		833
	1200	96			120		239		381		666
	1000	80			100		199		318		555
14	1800	129			162		321		513		895*
	1500	107			134		266		425		742
	1200	86			108		214		342		597
	1000	71			89		176		282		492

 卧式安装齿轮箱应采用强制润滑

 请咨询誉煌销售工程师

 Forced lubrication required on horizontal gear units

 Please consult with YUHUANG sales engineer

02

齿轮箱
额定输出扭矩
类型 B2..
规格 4-20

Gear Units
Nominal Output Torques
Type B2..
Sizes 4-20

额定输出扭矩 T_{2N} (kNm) Nominal Output Torques T_{2N} (kNm)																	
i_N	齿轮箱规格 / Gear unit sizes																
	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5	6.1	9.4		19		29.9		46		68.6		122					
5.6	6.2	9.4		19		29.9		48.1		69.6		122	135	195			
6.3	6.2	9.4	12	19	23.8	29.9	38	50.2	58.8	73.6	85.2	130	141	195			
7.1	6.2	9.4	12	19	23.8	29.9	38	52.4	60.9	75.9	87.3	132	145	195	230		
8	6.2	9.4	12	19	23.8	29.9	38	54	63.1	80	91.5	132	148	195	230		
9	6.2	9.4	12	19	23.8	29.9	38	54	65.2	81.1	94.6	132	148	195	230		
10	6.2	9.4	12	19	23.8	29.9	38	54	66.3	81.1	98.8	132	148	195	230		
11.2	6.2	9.4	12	19	23.8	29.9	38	54	66.3	81.1	101	132	148	195	230		
12.5	5.5	9.4	12	17	23.8	28	38	52.4	66.3	79.5	101	132	148	195	230	250	
14	6	9.8	12	18.2	23.8	29.5	38	56.7	66.3	81.6	101	137	148	195	230	262	295
16	6.6	10.5	12	19.8	21.5	31	35.6	59.9	66.3	83.8	99.4	142	154	200	230	275	308
18	6.7	11.3	12.6	21.1	23.1	33.9	37.5	62	69.5	86.7	102	148	160	200	240	268	320
20	6.7	11.6	13.2	21.7	25	35.7	39.3	63.5	72.7	90.7	105	153	167	200	240	300	332
22.4	6.7	11.6	14.2	21.7	26.5	35.7	41.8	63.5	75.6	90.7	108	153	173	200	240	300	345
25	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
28	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
31.5	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
35.5	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
40	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
45	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
50	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
56	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
63	6.6	11.4	15.5	21.4	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
71	6.6	11	15.5	20	27.2	34	43.8	60	77.2	90.7	113	153	173	200	240	300	345
80		11.6	14	21.7	26.9	35.7	43.8	61.6	77.2	90.7	113	153	173	200	240	300	345
90		11.6	14	21.7	25.2	35.7	43	61.6	75	90.7	113	153	173	200	240	300	345
100		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
112		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
125		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
140		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
160		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
180		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
200		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
224		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
250		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
280		11.6	15.5	21.7	27.2	35.3	44.2	61.6	78	90.7	113	153	173	200	240	300	345
315		11.2	15.5	20.5	27.2	34	44.2	60	78	90.7	113	153	173	200	240	300	345
355			15.5		26.5		44.2		78		113		173		240		345
400			14.5		25.5		43		75		113						

02 | 齿轮箱

热容量
类型 B2..
规格 4-20
 $n_1=1000\text{min}^{-1}$

Gear Units

Nominal Power Ratings
Type B2..
Sizes 4-20
 $n_1=1000\text{min}^{-1}$

热容量 P _G (kW)/Thermal capacities P _G (kW)																		
i _N		齿轮箱规格 / Gear unit sizes																
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5	P _{GA}	48.3	58.6		77.4		87.1		*									
	P _{GB}	113	155		246		297		487		684		788					
	P _{GC}	137	206		319		398		677		1344		1821					
	P _{GD}	194	291		468		578		984		1838		2383					
5.6	P _{GA}	47.7	59.8		78.3		90.2		120									
	P _{GB}	109	153		232		282		481		688		804		859			
	P _{GC}	132	199		293		367		643		1289		1763		2055			
	P _{GD}	187	282		432		535		943		1789		2333		2689			
6.3	P _{GA}	47	58.7	68.3	75.8	89.9	89.4	98.3	122	142								
	P _{GB}	105	145	170	216	261	265	300	441	556	637	771	779	838	850			
	P _{GC}	126	185	264	266	388	333	460	566	976	1132	1411	1627	1782	1909			
	P _{GD}	179	263	359	393	548	489	643	834	1340	1574	1954	2168	2366	2530			
7.1	P _{GA}	45	57.2	69	74.3	88.9	89.1	99.3	132	158	151	176						
	P _{GB}	99	137	166	203	246	250	284	436	546	637	768	756	815	838	897		
	P _{GC}	116	171	257	244	357	306	422	545	931	1097	1352	1508	1645	1787	1919		
	P _{GD}	164	243	349	362	506	451	594	808	1278	1541	1895	2028	2204	2388	2558		
8	P _{GA}	42.8	54.8	67.2	72.1	86.1	87.4	97.7	129	155	154	181						
	P _{GB}	92.9	128	157	192	229	237	267	400	498	588	705	705	784	793	874		
	P _{GC}	107	157	237	226	323	283	383	482	817	978	1185	1356	1531	1621	1793		
	P _{GD}	152	225	324	336	459	419	541	719	1129	1375	1663	1830	2059	2174	2402		
9	P _{GA}	41	52.7	64.5	70.2	82.7	85.8	95.3	129	162	159	193	169	176				
	P _{GB}	87.8	121	148	182	215	226	251	383	490	565	699	684	730	774	823		
	P _{GC}	98.8	144	218	212	297	267	352	454	791	914	1152	1283	1368	1542	1624		
	P _{GD}	141	206	299	316	424	396	500	679	1094	1296	1625	1741	1853	2078	2188		
10	P _{GA}	34.6	49.3	61.1	66.4	79.2	81.9	91.7	125	153	157	188	172	182	175			
	P _{GB}	72.8	111	138	169	202	212	237	359	447	535	642	643	704	737	799		
	P _{GC}	78.9	129	200	192	274	244	325	417	700	846	1018	1176	1296	1431	1546		
	P _{GD}	112	185	276	288	392	363	462	626	972	1200	1444	1596	1760	1935	2085		
11.2	P _{GA}	33.5	44.4	58.4	59.8	76.1	74.5	89	114	150	145	185	162	181	169	187		
	P _{GB}	70.3	99.5	131	150	192	187	226	318	426	476	613	581	662	669	760		
	P _{GC}	75.4	113	183	168	257	212	307	361	659	734	952	1030	1182	1267	1439		
	P _{GD}	107	162	252	252	368	316	438	543	918	1046	1358	1411	1616	1720	1940		
12.5	P _{GA}			54.5		72.2		85.1		145		183		175		186		
	P _{GB}			119		179		212		400		579		598		691		
	P _{GC}			163		234		280		604		882		1039		1276		
	P _{GD}			225		337		401		845		1255		1430		1730		
14	P _{GA}			49		65.2		77		131		168						
	P _{GB}			106		159		189		353		514						
	P _{GC}			142		205		243		522		763						
	P _{GD}			196		293		348		733		1092						

□ * 敬请垂询

P_{GA} (kW) 齿轮箱不带辅助冷却装置 **)

P_{GB} (kW) 齿轮箱带冷却风扇 **)

P_{GC} (kW) 齿轮箱带内置冷却盘管 **)

P_{GD} (kW) 齿轮箱带冷却风扇和内置冷却盘管 **)

**) 表中数值按

每小时工作周期: 100%

在室内大空间安装

海拔高度至 1000m

**) 表中数值按冷却水入口温度 20°C 和无限定的冷却水出口温度情况下计算得来的。

对于其它情形的重新计算请咨询誉煌销售工程师。

□ * On request

P_{GA} (kW) Gear units without auxiliary cooling **)

P_{GB} (kW) Gear units with fan **)

P_{GC} (kW) Gear units with built-in cooling coil **)

P_{GD} (kW) Gear units with fan and built-in cooling coil **)

**) Values refer to:

Operating cycle: 100 %

Installation in a large hall

Altitude up to 1000 m

**) Values refer to a cooling water inlet temperature of 20°C with unlimited cooling water outlet temperature.

Please consult with YUHUANG sales engineer about recalculation.

02

齿轮箱

热容量 类型 B2..

规格 4-12

 $n_1=1200\text{min}^{-1}$

Gear Units

Thermal Capacities .

Type B2..

Sizes 4-12

 $n_1=1200\text{min}^{-1}$

热容量 $P_G(\text{kW})$ /Thermal capacities $P_G(\text{kW})$																		
i_N		齿轮箱规格 / Gear unit sizes																
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5	P_{GA}	47.2	53.4		66		*		*									
	P_{GB}	132	178		276		325		500		645		640					
	P_{GC}	153	228		353		441		744		1467		1968					
	P_{GD}	228	338		538		657		1085		1953		2390					
5.6	P_{GA}	47.5	56.5		70.8		75.8		*									
	P_{GB}	128	177		265		316		512		689		724		718			
	P_{GC}	147	222		326		406		709		1414		1918		2224			
	P_{GD}	221	330		501		614		1058		1950		2434		2726			
6.3	P_{GA}	47.3	56.6	65.1	70.5	81.4	78.6	83.8	*	*								
	P_{GB}	125	169	197	249	298	301	337	480	591	657	789	740	778	762			
	P_{GC}	141	206	293	295	431	370	510	625	1076	1245	1551	1778	1944	2076			
	P_{GD}	212	308	419	458	636	566	740	944	1500	1740	2150	2311	2499	2633			
7.1	P_{GA}	45.8	56.4	67.5	71.4	83.8	82.4	89.8	108	*								
	P_{GB}	117	161	194	237	285	288	325	485	598	683	817	762	809	811	849		
	P_{GC}	129	190	286	272	397	340	468	604	1029	1211	1491	1655	1803	1954	2096		
	P_{GD}	194	286	410	424	590	525	689	925	1451	1733	2124	2218	2394	2563	2723		
8	P_{GA}	43.9	54.8	66.7	70.6	83	83	91.2	112	127								
	P_{GB}	110	151	185	225	267	274	308	451	555	643	767	735	807	800	868		
	P_{GC}	119	175	264	252	359	315	426	535	904	1081	1309	1493	1683	1780	1965		
	P_{GD}	181	265	382	395	539	490	631	830	1293	1562	1884	2032	2273	2378	2608		
9	P_{GA}	42.3	53.2	64.8	69.7	81.1	83.2	91.1	116	140	130							
	P_{GB}	105	114	176	214	253	264	292	437	554	630	775	732	773	807	847		
	P_{GC}	110	161	243	236	331	297	392	505	877	1013	1275	1415	1508	1697	1786		
	P_{GD}	167	244	353	373	498	465	585	788	1261	1484	1857	1956	2073	2308	2414		
10	P_{GA}	35.8	50.1	61.8	66.5	78.5	80.3	88.9	115	137	134	157						
	P_{GB}	87.1	132	164	199	238	249	277	413	508	601	719	698	759	783	839		
	P_{GC}	88.1	144	224	214	305	272	362	463	777	938	1129	1293	1431	1577	1703		
	P_{GD}	134	219	326	340	462	426	542	729	1126	1381	1658	1806	1984	2167	2322		
11.2	P_{GA}	34.8	45.3	59.3	60.2	75.9	73.6	87	106	136	127	160						
	P_{GB}	84.3	118	155	177	227	220	265	367	488	539	691	637	720	720	809		
	P_{GC}	84.2	126	204	187	286	236	341	401	733	814	1056	1139	1306	1399	1587		
	P_{GD}	128	192	298	298	434	372	514	633	1066	1208	1563	1605	1831	1938	2175		
12.5	P_{GA}			55.7		72.7		84.3		135		164						
	P_{GB}			142		212		250		462		659		661		750		
	P_{GC}			182		261		312		672		979		1150		1409		
	P_{GD}			267		398		472		985		1454		1632		1957		
14	P_{GA}			50.3		66.1		76.9		125		154						
	P_{GB}			127		189		223		409		589						
	P_{GC}			159		228		271		580		848						
	P_{GD}			232		347		411		856		1270						

* 敬请垂询

 P_{GA} (kW) 齿轮箱不带辅助冷却装置 **) P_{GB} (kW) 齿轮箱带冷却风扇 **) P_{GC} (kW) 齿轮箱带内置冷却盘管 ***) ***) P_{GD} (kW) 齿轮箱带冷却风扇和内置冷却盘管 ***) ***)

**) 表中数值按

每小时工作周期 : 100%

在室内大空间安装

海拔高度至 1000m

***) 表中数值按冷却水入口温度 20°C 和无限定的冷却水出口温度情况下计算得来的。

对于其它情形的重新计算请咨询誉煌销售工程师。

* On request

 P_{GA} (kW) Gear units without auxiliary cooling **) P_{GB} (kW) Gear units with fan **) P_{GC} (kW) Gear units with built-in cooling coil ***) ***) P_{GD} (kW) Gear units with fan and built-in cooling coil ***) ***)

**) Values refer to :

Operating cycle: 100 %

Installation in a large hall

Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20°C with unlimited cooling water outlet temperature.

Please consult with YUHUANG sales engineer about recalculation.

02 | 齿轮箱

热容量
类型 B2..
规格 4-20
 $n_1=1500\text{min}^{-1}$

Gear Units

Thermal Capacities
Type B2..
Sizes 4-20
 $n_1=1500\text{min}^{-1}$

热容量 P _G (kW)/Thermal capacities P _G (kW)																		
i _N		齿轮箱规格 / Gear unit sizes																
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5	P _{GA}	35.3	*		*		*		*									
	P _{GB}	139	184		283		328		478		574		486					
	P _{GC}	159	238		368		459		774		1524		2040					
	P _{GD}	249	366		581		705		1144		2019		2386					
5.6	P _{GA}	38.6	*		*		*		*									
	P _{GB}	135	185		274		322		504		646		618		565			
	P _{GC}	154	231		340		424		738		1470		1992		2307			
	P _{GD}	241	359		543		662		1126		2044		2489		2739			
6.3	P _{GA}	40	*	*	*	*	*	*	*	*								
	P _{GB}	132	178	206	259	308	310	345	479	581	633	753	684	684	646			
	P _{GC}	147	215	306	308	449	385	531	651	1120	1295	1613	1847	2019	2155			
	P _{GD}	231	336	456	497	690	612	799	1010	1596	1839	2267	2393	2574	2689			
7.1	P _{GA}	40.6	44	50.6	*	*	*	*	*	*								
	P _{GB}	125	169	204	248	298	299	336	493	601	676	804	720	754	740	760		
	P _{GC}	135	199	298	284	414	354	488	629	1072	1261	1552	1722	1875	2031	2177		
	P _{GD}	213	313	447	462	642	570	747	996	1556	1848	2261	2331	2505	2668	2817		
8	P _{GA}	39.9	45.1	53.4	53	*	*	*	*	*								
	P _{GB}	117	160	195	236	280	287	321	463	564	646	768	713	775	756	808		
	P _{GC}	124	182	276	263	375	328	444	557	942	1126	1364	1553	1751	1851	2043		
	P _{GD}	198	290	417	430	586	533	686	896	1392	1674	2016	2152	2400	2499	2729		
9	P _{GA}	39.3	45.7	54.4	55.8	61.6	59.6	*	*	*								
	P _{GB}	111	153	186	226	266	277	306	452	568	640	785	724	759	782	812		
	P _{GC}	115	168	253	246	346	310	409	526	915	1055	1329	1474	1570	1768	1858		
	P _{GD}	183	267	386	407	543	507	637	853	1363	1598	1996	2085	2204	2444	2549		
10	P _{GA}	33.7	44	53.3	55.1	62.3	60.8	63.9	*	*								
	P _{GB}	92.8	140	174	211	251	261	291	429	525	616	734	698	753	770	818		
	P _{GC}	91.9	150	233	224	318	284	377	483	810	978	1176	1347	1490	1642	1772		
	P _{GD}	147	240	356	372	505	465	591	791	1218	1490	1787	1933	2118	2306	2464		
11.2	P _{GA}	33	40.4	52.1	51	61.9	57.7	65.2	*	*								
	P _{GB}	89.8	125	165	188	240	232	279	382	506	555	709	641	721	714	797		
	P _{GC}	87.9	131	213	195	298	246	356	418	764	849	1101	1186	1360	1457	1652		
	P _{GD}	140	210	327	326	474	406	561	688	1156	1306	1688	1722	1960	2068	2315		
12.5	P _{GA}			50.1		61.7		66.9		*								
	P _{GB}			151		224		264		481		681		669		749		
	P _{GC}			189		272		326		701		1021		1198		1468		
	P _{GD}			292		435		515		1070		1574		1754		2093		
14	P _{GA}			46		57.4		63.1		*								
	P _{GB}			135		200		236		428		611						
	P _{GC}			166		238		283		605		884						
	P _{GD}			255		380		449		931		1377						

* 敬请垂询
 P_{GA} (kW) 齿轮箱不带辅助冷却装置 **)
 P_{GB} (kW) 齿轮箱带冷却风扇 **)
 P_{GC} (kW) 齿轮箱带内置冷却盘管 ***)
 P_{GD} (kW) 齿轮箱带冷却风扇和内置冷却盘管 ***)
**) 表中数值按
每小时工作周期 : 100 %
在室内大空间安装
海拔高度至 1000m
***) 表中数值按冷却水入口温度 20 °C 和无限定的冷却水出口温度情况下计算得来的。
对于其它情形的重新计算请咨询普煌销售工程师。

* Please consult with FLENDER sales engineer
 P_{GA} (kW) Gear units without auxiliary cooling **)
 P_{GB} (kW) Gear units with fan **)
 P_{GC} (kW) Gear units with built-in cooling coil ***)
 P_{GD} (kW) Gear units with fan and built-in cooling coil ***)
**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m
***) Values refer to a cooling water inlet temperature of 20 °C with unlimited cooling water outlet temperature.
Please consult with YUHUANG sales engineer about recalculation.

02 | 齿轮箱

热容量
类型 B2..
规格 4-20
 $n_1=1800\text{min}^{-1}$

Gear Units

Thermal Capacities
Type B2..
Sizes 4-20
 $n_1=1800\text{min}^{-1}$

热容量 P _G (kW) / Thermal capacities P _G (kW)																		
i _N		齿轮箱规格 / Gear unit sizes																
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5	P _{GA}	*	*	*	*		*		*									
	P _{GB}	149	190		283		313		392		350							
	P _{GC}	170	250		383		470		765		1446		1814					
	P _{GD}	276	401		630		753		1174		1966		2104					
5.6	P _{GA}	*	*	*	*		*		*									
	P _{GB}	147	194		282		321		453		493							
	P _{GC}	164	244		356		439		744		1435		1851		2075			
	P _{GD}	268	395		593		716		1182		2066		2355		2484			
6.3	P _{GA}	31	*	*	*	*	*	*	*	*								
	P _{GB}	144	189	218	270	318	315	346	450	519	528	612	419					
	P _{GC}	157	228	324	324	471	402	551	663	1127	1285	1592	1758	1902	1997			
	P _{GD}	258	371	504	546	754	666	865	1073	1673	1894	2322	2342	2482	2533			
7.1	P _{GA}	34	*	*	*	*	*	*	*	*								
	P _{GB}	136	182	219	263	313	311	346	485	572	616	721	563	560	503	473		
	P _{GC}	145	212	317	301	437	372	512	650	1097	1275	1564	1687	1823	1951	2070		
	P _{GD}	238	347	495	511	707	625	817	1073	1659	1946	2371	2367	2519	5639	2751		
8	P _{GA}	35	*	*	*	*	*	*	*	*								
	P _{GB}	129	173	211	253	298	302	336	467	556	616	723	609	641	592	600		
	P _{GC}	133	195	294	279	397	347	468	580	973	1152	1391	1549	1734	1815	1986		
	P _{GD}	222	323	464	477	649	588	754	973	1500	1785	2143	2230	2467	2539	2743		
9	P _{GA}	35	36	*	*	*	*	*	*	*								
	P _{GB}	123	166	202	244	285	295	324	465	574	630	766	658	674	669	671		
	P _{GC}	123	180	271	263	368	329	433	551	952	1090	1369	1489	1578	1761	1839		
	P _{GD}	206	298	430	453	603	561	703	933	1480	1721	2144	2195	2306	2533	2619		
10	P _{GA}	31	36	43	*	*	*	*	*	*								
	P _{GB}	102	154	190	229	271	280	310	447	537	617	729	6155	694	688	712		
	P _{GC}	99	161	250	239	339	302	400	508	847	1015	1219	1373	1511	1653	1773		
	P _{GD}	164	268	398	414	561	516	654	868	1329	1614	1932	2052	2237	2416	2564		
11.2	P _{GA}	30	34	43	40	*	*	*	*	*								
	P _{GB}	99	137	180	204	259	250	299	401	522	562	713	614	679	656	715		
	P _{GC}	94	141	229	209	319	262	379	441	801	885	1145	1215	1387	1476	1664		
	P _{GD}	157	235	365	363	528	451	622	757	1265	1420	1831	1839	2083	2183	2428		
12.5	P _{GA}			43		48		*		*								
	P _{GB}			166		244		284		503		697		650		701		
	P _{GC}			203		291		347		738		1068		1233		1494		
	P _{GD}			327		485		573		1176		1718		1882		2221		
14	P _{GA}			40		47		*		*								
	P _{GB}			149		218		255		451		633						
	P _{GC}			178		255		302		640		929						
	P _{GD}			285		424		500		1027		1509						

* 请咨询誉煌销售工程师

$P_{GA}(\text{kW})$ 齿轮箱不带辅助冷却装置 **)

$P_{GB}(\text{kW})$ 齿轮箱带冷却风扇 **)

$P_{GC}(\text{kW})$ 齿轮箱带内置冷却盘管 **)

$P_{GD}(\text{kW})$ 齿轮箱带冷却风扇和内置冷却盘管 **)

** 表中数值按

每小时工作周期: 100%

在室内大空间安装

海拔高度至 1000m

*** 表中数值按冷却水入口温度 20°C 和无限定的冷却水出口温度情况下计算得来的。

对于其它情形的重新计算请咨询誉煌销售工程师。

* Please consult with FLENDER sales engineer

$P_{GA}(\text{kW})$ Gear units without auxiliary cooling **)

$P_{GB}(\text{kW})$ Gear units with fan **)

$P_{GC}(\text{kW})$ Gear units with built-in cooling coil **)

$P_{GD}(\text{kW})$ Gear units with fan and built-in cooling coil **)

** Values refer to :

Operating cycle: 100 %

Installation in a large hall

Altitude up to 1000 m

*** Values refer to a cooling water inlet temperature of 20°C with unlimited cooling water outlet temperature.

Please consult with YUHUANG sales engineer about recalculation.

02 | 齿轮箱

额定功率
类型 B3..
规格 3-20

Gear Units

Nominal Power Ratings
Type B3..
Sizes 3-20

额定功率 P _{2N} (kW) / Nominal power ratings P _{2N} (kW)																				
i _N	n ₁	n ₂	齿轮箱规格 / Gear unit sizes																	
			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
12.5	1800	144		82	141		256		422		790		1198		1990*		2940		3769	
	1500	120		69	118		213		351		658		998		1658		2450		3141	
	1200	96		55	94		170		281		526		799		1326		1960		2513	
	1000	80		46	78		142		234		438		665		1105		1633		2094	
14	1800	129		81	132		245		398		765		1102		1850*	1999*	2634	3106	3539	3984
	1500	107		67	109		203		330		635		914		1534	1658	2184	2576	2935	3305
	1200	86		54	88		163		265		510		734		1233	1332	1756	2071	2359	2656
	1000	71		44	72		135		219		421		606		1018	1100	1449	1709	1947	2193
16	1800	113		78	124	141	234	254	366	421	708	784	991	1176	1680*	1822*	2366	2721	3253	3644
	1500	94		64	103	118	194	211	305	350	589	652	824	978	1397	1515	1968	2263	2706	3031
	1200	75		51	82	94	155	168	243	279	470	520	658	780	1115	1209	1570	1806	2159	2418
	1000	63		43	69	79	130	141	204	234	395	437	552	655	936	1015	1319	1517	1814	2031
18	1800	100		70	118	131	220	241	354	392	649	727	907	1068	1549*	1675*	2094	2513	3015	3350
	1500	83		58	98	109	183	200	294	325	538	604	753	886	1286	1390	1738	2085	2503	2781
	1200	67		47	79	88	148	162	237	263	434	487	608	715	1038	1122	1403	1683	2020	2245
	1000	56		39	66	73	123	135	198	219	363	407	508	598	867	938	1172	1407	1688	1876
20	1800	90	33	63	109	124	204	235	336	370	598	685	854	989	1441*	1573*	1584	2261	2427	3128
	1500	75	28	52	91	103	170	196	280	308	498	570	712	824	1201	1311	1570	1884	2356	2607
	1200	60	22	42	72	82	136	157	224	246	398	456	569	659	961	1049	1256	1507	1884	2085
	1000	50	19	35	60	69	113	130	186	205	332	380	474	549	801	874	1047	1256	1570	1738
22.4	1800	80	30	56	97	118	181	221	299	350	531	633	759	904	1281*	1449*	1675	2010	2513	2890
	1500	67	25	47	81	99	152	185	250	293	445	530	636	757	1073	1213	1403	1683	2104	2420
	1200	54	20	37	65	80	122	149	201	236	359	427	512	610	865	978	1136	1357	1696	1950
	1000	45	17	31	54	66	102	124	168	196	299	356	427	508	720	815	942	1130	1413	1625
25	1800	72	27	50	87	116	163	205	269	330	478	582	683	851	1153*	1304*	1507	1809	2261	2601
	1500	60	23	42	72	97	136	170	224	275	398	485	569	709	961	1086	1256	1507	1884	2167
	1200	48	18	33	58	77	109	136	179	220	319	388	455	567	769	869	1005	1206	1507	1734
	1000	40	15	28	48	64	90	113	149	183	265	323	379	473	640	724	837	1005	1256	1445
28	1800	64	24	44	77	103	145	182	239	293	425	517	607	757	1025*	1159*	1340	1608	2010	2312
	1500	54	20	37	65	87	122	153	201	247	359	436	512	638	865	978	1130	1357	1696	1950
	1200	43	16.5	30	52	69	97	122	160	197	285	347	408	508	688	778	900	1080	1350	1553
	1000	36	14	25	43	58	81	102	134	165	239	291	341	425	576	652	75	904	904	1300
31.5	1800	57	21	39	69	92	129	162	213	261	379	460	541	674	913*	1032*	1193	1432	1790	2059
	1500	48	18	33	58	77	109	136	179	220	319	388	455	567	769	869	1005	1206	1507	1734
	1200	38	14.5	26	46	61	86	108	142	174	252	307	360	449	608	688	795	954	1193	1372
	1000	32	12.6	22	38	51	72	91	119	146	212	258	303	378	512	579	670	804	1005	1156
35.5	1800	51	18.2	35	61	82	115	145	190	233	339	412	484	603	817*	923*	1068	1281	1602	1842
	1500	42	15.8	29	51	68	95	119	157	192	279	339	398	496	672	760	879	1055	1319	1517
	1200	34	13.2	23	41	55	77	96	127	155	226	274	322	402	544	615	712	854	1068	1228
	1000	28	11	19	34	45	63	79	104	128	186	226	265	331	448	507	586	703	879	1011
40	1800	45	16.8	31	54	73	102	128	168	206	299	363	427	532	720*	815*	942	1130	1413	1625
	1500	38	14	26	46	61	86	108	142	174	252	307	360	449	608	688	795	954	1193	1372
	1200	30	10.8	21	36	48	68	85	112	137	199	242	284	354	480	543	628	753	942	1083
	1000	25	9	17	30	40	56	71	93	114	166	202	237	295	400	452	523	628	785	903
45	1800	40	14	28	48	64	90	113	149	183	265	323	379	473	640*	724*	837	1005	1256	1445
	1500	33	12	23	40	53	74	93	123	151	219	266	313	390	528	597	691	829	1036	1192
	1200	27		18	32	43	61	76	100	123	179	218	256	319	432	489	565	678	848	975
	1000	22	8.3	15	26	35	49	62	82	100	146	177	208	260	352	398	460	552	691	794
50	1800	36	10	25	43	58	81	102	134	165	239	291	341	425	576	652*	753	904	1130	1300
	1500	30	11	21	36	48	68	85	112	137	199	242	284	354	480	543	628	753	942	1083
	1200	24	9.6	16	29	38	54	68	89	110	159	194	227	283	384	434	502	603	753	867
	1000	20	8	14	24	32	45	56	74	91	132	161	189	236	320	362	418	502	628	722
56	1800	32	12	22	38	51	72	91	119	146	212	258	303	378	512	579	670	804	1005	1156
	1500	27	10.2	18	32	43	61	76	100	123	179	218	256	319	432	489	565	678	848	975
	1200	21	8	14	25	34	47	59	78	96	139	169	199	248	336	380	439	527	659	758
	1000	17.9	6.7	12	21	29	40	50	66	82	119	144	170	211	286	324	374	449	562	646
63	1800	29	10.5	20	34	47	64	82	108	133	192	234	275	343	464	525	607	728	910	1047
	1500	24	9	16	28	38	53	68	89	110	159	194	227	283	384	434	502	603	753	867
	1200	19	7.2	13	22	30	42	54	71	87	126	153	180	224	304	344	397	477	596	686
	1000	15.9	6	10	18	25	35	45	59	72	105	128	151	188	254	288	332	399	499	574
71	1800	25	9.2	17	28	40	52	71	89	114	157	202	237	295	400	452	523	628	785	903
	1500	21	7.9	14	24	34	43	59	74	96	131	169	199	248	336	380	439	527	659	758
	1200	16.9	6.4	11	19	27	35	48	60	77	106	136	160	199	270	306	353	424	530	610
	1000	14.1	5.3	9.7	16	22	29	40	50	64	88	113	133	166	225	255	295	354	442	509
80	1800	23				33		64		105		185		272		416		578		830
	1500	18.8				27		52		86		151		222		340		472		679
	1200	15				21		42		68		121		177		271		376		541
	1000	12.5				18		35		57		101		147		226		314		451
90	1800	20				29		52		90		157		236						
	1500	16.7				24		44		75		131		197						
	1200	13.3																		

02

齿轮箱

额定输出扭矩

类型 B3..

规格 3-20

Gear Units

Nominal Output Torques

Type B3..

Sizes 3-20

额定输出扭矩 T_{2N} (kNm) Nominal Output Torques T_{2N} (kNm)																		
i_N	齿轮箱规格 / Gear unit sizes																	
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5		6.1	9.4		19		29.9		46		68.8		122					
5.6		6.2	9.4		19		29.9		48.1		69.6		122	135	195			
6.3		6.2	9.4	12	19	23.8	29.9	38	50.2	58.8	73.8	85.2	130	141	195			
7.1		6.2	9.4	12	19	23.8	29.9	38	52.4	60.9	75.9	87.3	132	143	195	230		
8		6.2	9.4	12	19	23.8	29.9	38	54	63.1	80	91.5	132	148	195	230		
9		6.2	9.4	12	19	23.8	29.9	38	54	65.2	81.1	94	132	148	195	230		
10		6.2	9.4	12	19	23.8	29.9	38	54	66.3	81.1	98.8	132	148	195	230		
11.2		6.2	9.4	12	19	23.8	29.9	38	54	66.3	81.1	101	132	148	195	230		
12.5		5.5	9.4	12	17	23.8	28	38	52.4	66.3	79.5	101	132	148	195	230	250	
14		6	9.8	12	18.2	23.8	29.5	38	56.7	66.3	81.6	101	137	148	195	230	262	295
16		6.6	10.5	12	19.8	21.5	31	35.6	59.9	66.3	83.8	99.4	142	154	200	230	275	308
18		6.7	11.3	12.6	21.1	23.1	33.9	37.5	62	69.5	86.7	102	148	160	200	240	288	320
20	3.6	6.7	11.6	13.2	21.7	25	35.7	39.3	63.5	72.7	90.7	105	153	167	200	240	300	332
22.4	3.6	6.7	11.6	14.2	21.7	26.5	35.7	41.8	63.5	75.6	90.7	108	153	173	200	240	300	345
25	3.6	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
28	3.6	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
31.5	3.6	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
35.5	3.6	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
40	3.6	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
45	3.6	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
50	3.6	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
56	3.6	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
63	3.6	6.6	11.4	15.5	21.4	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
71	3.6	6.6	11	15.5	20	27.2	34	43.8	60	77.2	90.7	113	153	173	200	240	300	345
80			11.6	14	21.7	26.9	35.7	43.8	61.6	77.2	90.7	113	153	173	200	240	300	345
90			11.6	14	21.7	25.2	35.7	43	61.6	75	90.7	113	153	173	200	240	300	345
100			11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
112			11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173		240	300	345
125			11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173		240	300	345
140			11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173		240	300	345
160			11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173		240	300	345
180			11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173		240	300	345
200			11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173		240	300	345
224			11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173		240	300	345
250			11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173		240	300	345
280			11.6	15.5	21.7	27.2	35.3	44.2	61.6	78	90.7	113	153	173		240	300	345
315			11.2	15.5	20.5	27.2	34	44.2	60	78	90.7	113	153	173		240	300	345
355				15.5		26.5		44.2		78		113		173		240		345
400				14.5		25.5		43		75		113						

02

齿轮箱

热容量

类型 B3..

规格 3-20

 $n_1=1000\text{min}^{-1}$

Gear Units

Thermal Capacities

Type B3..

Sizes 3-20

 $n_1=1000\text{min}^{-1}$

热容量 P _G (kW)/Thermal capacities P _G (kW)																			
i _N		齿轮箱规格 / Gear unit sizes																	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
12.5	P _{GA}		38.1	50.8		79.7		103		140		172		221		235			
	P _{GB}		66.3	93.9		150		204		321		419		583		742			
	P _{GC}		76.8	124		218		323		456		714		1117		1330			
	P _{GD}		100	161		280		413		613		923		1410		1745			
14	P _{GA}		37.1	49.4		77.4		101		139		177		220	233	235	259		
	P _{GB}		64.4	90.9		144		198		315		424		562	604	716	798		
	P _{GC}		74.5	119		210		313		447		719		1066	1129	1286	1410		
	P _{GD}		97.2	155		270		399		600		932		1349	1433	1677	1838		
16	P _{GA}		35.2	47.9	55.4	74	86.2	99.4	110	133	155	165	191	221	227	241	245		
	P _{GB}		61.3	87.5	100	137	158	193	214	300	347	388	448	553	579	713	732		
	P _{GC}		70.8	115	128	200	223	304	343	425	557	654	740	1043	1079	1265	1202		
	P _{GD}		92.2	149	165	257	285	388	434	569	724	846	959	1322	1366	1654	1682		
18	P _{GA}		34.3	46.5	53.7	71.7	83.2	96.5	102	132	156	167	195	216	230	237	263		
	P _{GB}		59.5	84.8	97.1	133	153	187	197	293	347	392	452	531	573	688	763		
	P _{GC}		68.5	111	122	192	217	293	315	416	558	658	745	1001	1063	1210	1332		
	P _{GD}		89.5	144	159	247	277	375	399	558	726	853	965	1265	1344	1584	1738		
20	P _{GA}	29.7	32.4	44.6	51.9	68.9	79.4	92.8	105	126	147	159	180	212	223	234	246	271	
	P _{GB}	41.1	56.1	81.3	93.5	127	145	179	203	280	323	367	413	513	548	652	700	814	
	P _{GC}		64.8	107	118	184	204	280	323	396	516	615	677	961	1010	1164	1214		
	P _{GD}		84.3	138	154	236	261	360	410	531	672	798	877	1215	1280	1523	1589		
22.4	P _{GA}	29.5	31.6	44	50.4	66.8	77.4	90.7	97.5	122	148	154	185	210	219	236	243	276	286
	P _{GB}	41.1	54.6	80	90.7	123	141	175	186	266	324	349	417	498	528	646	675	795	833
	P _{GC}		63	105	115	178	198	272	295	367	515	574	683	910	966	1114	1164		
	P _{GD}		82.2	137	149	226	253	348	375	495	671	746	885	1155	1227	1461	1525		
25	P _{GA}	27.6	30.1	41.8	48.6	65	74.7	87.3	94.3	117	144	149	176	204	222	234	250	281	297
	P _{GB}	38.5	51.7	75.5	86.9	119	134	166	178	250	309	329	390	466	513	607	661	763	616
	P _{GC}		59.4	99.4	110	169	189	253	284	337	489	527	638	823	919	1013	1116		
	P _{GD}		77.4	128	142	217	243	324	359	454	640	687	827	1047	1168	1333	1467		
28	P _{GA}	26.9	29	40.6	48	62.1	72.7	83.9	92.7	113	140	144	172	205	216	239	248	285	302
	P _{GB}	37.2	49.4	72.7	85.5	112	130	157	174	238	295	312	373	453	480	596	621	731	782
	P _{GC}		56	94	109	156	183	235	274	313	456	489	593	789	832	980	1015		
	P _{GD}		73.1	121	141	201	234	302	349	424	596	640	772	1007	1060	1292	1336		
31.5	P _{GA}	25.3	27.5	38.6	45.5	59.2	70.3	80.6	89.1	108	133	139	165	196	215	232	250	279	302
	P _{GB}	35.1	46.8	68.7	80.6	106	125	149	165	225	276	296	350	423	468	557	608	688	749
	P _{GC}		52.5	87.6	102	146	174	220	254	291	417	453	543	715	797	896	982		
	P _{GD}		68.6	113	133	188	222	282	324	395	548	595	710	917	1020	1184	1296		
35.5	P _{GA}	24	25.9	36.4	44	56.4	67	76.9	85.3	105	128	135	159	192	205	228	241	278	293
	P _{GB}	33	43.8	64.3	77.5	100	119	141	156	215	262	284	332	407	435	538	569	666	703
	P _{GC}		48.3	80.2	96.8	135	162	201	237	276	389	431	506	680	725	853	897		
	P _{GD}		63.1	104	126	174	207	260	302	373	509	566	662	873	929	1129	1188		
40	P _{GA}	21.1	22.6	31.7	41.8	49.4	64.1	72.1	81.6	99.6	122	128	152	183	199	220	236	267	289
	P _{GB}	29	38.1	55.5	73.3	87.1	112	131	149	201	246	267	315	383	419	506	548	627	679
	P _{GC}		40.7	66.7	90.4	112	151	182	222	253	360	397	471	627	687	793	853		
	P _{GD}		53.2	87	117	144	193	235	283	344	473	523	617	808	884	1053	1132		
45	P _{GA}	20.8	22.1	30.9	39.3	48	60.9	66.4	77.7	91.6	117	119	147	171	190	208	228	253	278
	P _{GB}	28.4	37.2	54	68.5	84.1	106	120	140	184	236	244	301	352	395	470	520	582	638
	P _{GC}		39.5	64.3	82.9	108	139	164	203	227	340	356	446	564	634	719	796		
	P _{GD}		51.8	84	107	139	179	211	260	311	449	467	586	728	818	956	1067		
50	P _{GA}	20.4	22.4	30.8	34.4	47.6	53.6	65.5	73.1	92.4	112	122	141	178	179	219	216	256	267
	P _{GB}	28	37.4	53.3	59.4	82.5	92.5	117	131	181	221	244	283	356	363	478	481	561	595
	P _{GC}		39.5	62.6	69.2	104	116	156	184	222	312	352	412	567	571	727	725		
	P _{GD}		51.6	81.9	90.3	134	149	203	236	301	411	466	543	728	738	962	963		
56	P _{GA}	18.2	20.7	28.5	33.6	44.3	52.1	60.7	67.7	84.5	103	113	131	165	186	205	228	251	268
	P _{GB}	24.8	34.4	49.3	57.8	76.7	89.6	108	120	164	203	223	258	325	365	438	488	540	571
	P _{GC}		35.6	56.4	66.7	94.7	111	140	166	197	279	315	366	507	573	654	729		
	P _{GD}		46.8	74.1	87.2	122	143	182	213	268	370	416	486	652	738	857	966		
63	P _{GA}	18	19.9	27.4	33.4	42.8	51.5	58.7	66.5	81.7	103	109	133	159	171	198	211	245	260
	P _{GB}	24.1	33.1	47.3	57.1	74.1	88.1	104	117	158	198	214	259	309	333	419	447	520	549
	P _{GC}		33.7	53.3	65	89.8	108	132	159	185	271	296	365	475	510	615	657		
	P _{GD}		44.3	70.1	85.1	116	140	173	203	253	358	393	481	612	659	820	889		
71	P _{GA}	16.7	18.4	26.1	30.8	40.8	47.8	55	61.7	75.7	94.8	103	122	151	164	187	204	232	252
	P _{GB}	22.2	30.7	44.9	52.6	70.5	81.7	97.8	108	146	180	201	236	292	318	393	426	487	529
	P _{GC}		30.6	49.3	58.8	83.1	98.3	119	143	166	240	268	327	437	481	589	620		
	P _{GD}		40.4	65.2	77.1	108	127	157	183	228	319	356	431	567	621	757	824		
80	P _{GA}				29.5		46.2		59.6		90.7		117		157		193		239
	P _{GB}				50.6		79		105		173		227		301		400		495
	P _{GC}				55.4		93.2		134		224		307		442		570		
	P _{GD}				72.8		121		174		300		407		573		761		
90	P _{GA}				28.2		44		55.9		84.5		110						
	P _{GB}				48.1		75.1		98.4		161		212						
	P _{GC}				51.4		86.3		121		201		277						
	P _{GD}				67.9		112		159		271		369						

02

齿轮箱

热容量
类型 B3..
规格 3-20
 $n_1=1200\text{min}^{-1}$

Gear Units

Thermal Capacities
Type B3..
Sizes 3-20
 $n_1=1200\text{min}^{-1}$

热容量 P _G (kW)/Thermal capacities P _G (kW)																			
i _N		齿轮箱规格 / Gear unit sizes																	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
12.5	P _{GA}		39.7	52.1		80.7		103		132		152		173					
	P _{GB}		75.6	106		169		230		356		457		620		777			
	P _{GC}		85.5	138		243		359		508		795		1243		1491			
	P _{GD}		115	184		321		472		697		1042		1577		1939			
14	P _{GA}		38.8	51		79		101		134		161		181	186				
	P _{GB}		73.5	103		163		223		350		465		603	645	758	838		
	P _{GC}		82.9	133		234		349		497		801		1187	1257	1432	1570		
	P _{GD}		111	178		309		457		683		1054		1513	1605	1871	2046		
16	P _{GA}		37	49.5	57	75.7	87.5	100	110	129	147	151	174	185	186	189			
	P _{GB}		70	99.5	113	156	178	218	240	334	384	426	492	597	621	758	774		
	P _{GC}		78.8	128	142	223	248	338	382	473	620	728	824	1161	1201	1408	1438		
	P _{GD}		105	171	190	294	326	444	496	648	823	958	1085	1486	1532	1849	1876		
18	P _{GA}		36	48.1	55.5	73.6	84.8	97.7	102	129	149	155	180	185	193	191	205		
	P _{GB}		67.9	96.5	110	151	173	211	222	328	396	432	498	575	617	734	811		
	P _{GC}		76.3	123	136	214	241	326	351	463	621	732	829	1115	1183	1347	1483		
	P _{GD}		102	166	183	284	317	429	457	635	825	967	1093	1424	1510	1775	1942		
20	P _{GA}	30.4	34	46.4	53.7	70.9	81.2	94.3	106	124	141	149	168	185	191	194	198	211	
	P _{GB}	45.6	64.1	92.6	106	145	165	202	228	314	360	406	456	557	593	711	749	865	
	P _{GC}		72.2	119	132	205	227	312	359	441	574	685	754	1070	1124	1296	1352		
	P _{GD}		96.9	159	176	270	300	412	469	605	764	905	995	1370	1440	1710	1780		
22.4	P _{GA}	30.2	33.3	45.8	52.3	68.9	79.4	92.5	98.9	120	144	147	174	187	192	201	202	222	226
	P _{GB}	45.6	62.4	91.1	103	140	160	198	210	298	361	387	462	544	574	698	725	850	888
	P _{GC}		70.2	117	128	198	220	303	329	409	573	639	761	1013	1076	1240	1296		
	P _{GD}		94.5	158	171	260	290	399	429	565	764	847	1005	1304	1383	1644	1712		
25	P _{GA}	28.2	31.8	43.7	50.6	67.4	77.1	89.7	96.4	117	142	144	170	189	202	208	219	241	260
	P _{GB}	42.8	59.1	86.2	99	135	153	188	202	281	346	367	435	513	563	662	718	826	880
	P _{GC}		66.1	110	122	188	211	282	316	375	545	587	710	916	1023	1128	1242		
	P _{GD}		89	147	163	249	279	371	411	519	730	783	941	1186	1322	1505	1654		
28	P _{GA}	27.1	30.7	42.6	50.3	64.8	75.5	86.8	95.6	114	140	143	170	195	204	222	227	257	269
	P _{GB}	40.1	56.6	83	97.5	127	148	179	197	269	332	350	417	503	531	656	682	800	854
	P _{GC}		62.4	104	121	174	204	261	305	349	508	545	660	879	926	1091	1130		
	P _{GD}		84.2	139	162	231	268	346	400	486	682	731	881	1145	1204	1465	1513		
31.5	P _{GA}	26.2	29.1	40.6	47.8	62	73.4	83.9	92.4	111	135	140	165	191	206	221	236	260	279
	P _{GB}	38.5	53.7	78.5	92.1	121	143	170	188	254	312	333	393	473	521	619	673	760	824
	P _{GC}		58.5	97.5	114	162	194	245	283	324	464	505	605	796	887	996	1093		
	P _{GD}		78.9	130	153	216	255	324	372	453	627	680	811	1044	1161	1345	1471		
35.5	P _{GA}	25.3	27.5	38.4	46.3	59.2	70.2	80.3	88.8	108	131	137	160	189	201	221	232	265	277
	P _{GB}	36.2	50.2	73.6	88.6	114	136	161	178	244	296	321	375	457	487	599	633	739	779
	P _{GC}		53.8	89.3	107	151	180	224	264	307	433	480	564	757	807	949	999		
	P _{GD}		72.7	120	144	200	238	298	347	428	584	648	758	996	1059	1286	1351		
40	P _{GA}	22.2	24	33.5	44.1	52	67.3	75.4	85.2	102	125	130	155	182	197	215	230	258	277
	P _{GB}	31.4	43.7	63.5	83.8	99.6	128	150	170	229	279	302	355	430	470	568	511	698	754
	P _{GC}		45.3	74.3	100	125	168	202	247	282	401	442	525	698	765	883	949		
	P _{GD}		61.3	100	135	166	222	270	325	395	542	599	706	923	1009	1200	1289		
45	P _{GA}	22.4	23.5	32.7	41.5	50.6	64	69.6	81.3	95	121	122	150	171	189	204	224	247	270
	P _{GB}	31.6	42.6	61.8	78.4	96.1	121	137	160	210	268	276	341	397	444	526	581	850	712
	P _{GC}		44	71.6	92.3	120	155	182	226	253	378	396	496	628	706	801	888		
	P _{GD}		59.7	96.7	124	159	205	243	299	357	515	535	671	832	934	1090	1205		
50	P _{GA}	21.3	23.8	32.7	36.4	50.3	56.6	69.1	77	96.6	116	126	146	182	182	221	218	257	266
	P _{GB}	30.4	42.9	61.1	68	94.5	105	133	150	207	251	278	321	402	411	539	542	631	669
	P _{GC}		44	69.7	77	116	129	174	205	247	348	392	459	631	636	809	807		
	P _{GD}		59.4	94.3	103	154	172	234	272	346	472	535	623	834	845	1101	1101		
56	P _{GA}	19.1	22	30.2	35.7	47	55.2	64.3	71.5	88.9	108	118	136	171	191	210	233	256	272
	P _{GB}	27.5	39.4	56.5	66.3	87.9	102	124	137	188	232	254	294	369	415	497	553	611	645
	P _{GC}		39.6	62.8	74.3	105	123	156	185	219	311	351	408	565	638	728	811		
	P _{GD}		53.9	85.4	100	141	165	210	245	308	426	478	558	748	846	994	1107		
63	P _{GA}	19.6	21.2	29.1	35.5	45.5	54.6	62.2	70.4	86.1	108	114	139	165	177	204	217	251	268
	P _{GB}	26.4	38	54.3	65.5	84.9	100	119	134	180	227	244	296	352	378	475	507	589	622
	P _{GC}		37.5	59.3	72.4	100	120	147	177	206	302	330	407	529	568	685	731		
	P _{GD}		51	80.8	98	134	161	199	234	291	411	452	553	703	757	941	997		
70	P _{GA}	18.1	19.6	27.7	32.8	43.3	50.8	58.3	65.3	79.9	99.8	108	128	158	170	194	210	239	259
	P _{GB}	24.2	35.3	51.6	60.3	80.9	93.6	112	124	167	206	229	269	333	362	446	484	553	600
	P _{GC}		34.1	54.9	65.4	92.5	109	133	159	185	267	298	364	487	535	633	690		
	P _{GD}		46.6	75.1	88.8	125	146	181	211	262	367	410	495	651	713	869	945		
80	P _{GA}				31.4		49.1		63.1		95.5		123		163		200		247
	P _{GB}				58.1		90.5		120		198		259		343		454		563
	P _{GC}				61.7		103		149		250		342		492		634		
	P _{GD}				83.9		139		200		345		468		658		873		
90	P _{GA}				30		46.8		59.3		89.2		115						
	P _{GB}				55.2		86.1		112		184		242						
	P _{GC}				57.2		96.1		135		224		309						
	P _{GD}				78.2		129		183		311		425						

02

齿轮箱

热容量

类型 B3..

规格 3-20

 $n_1=1500\text{min}^{-1}$

Gear Units

Thermal Capacities

Type B3..

Sizes 3-20

 $n_1=1500\text{min}^{-1}$

热容量 P _G (kW)/Thermal capacities P _G (kW)																			
i _N		齿轮箱规格 / Gear unit sizes																	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
12.5	P _{GA}		39.4	50.4		76.7		95.4		112		*		*					
	P _{GB}		84.8	118		186		250		377		468		602		726			
	P _{GC}		94.7	151		265		390		542		831		1261		1484			
	P _{GD}		131	209		362		529		768		1126		1652		1991			
14	P _{GA}		38.6	49.6		75.7		95.2		117		127		*	*				
	P _{GB}		82.6	114		180		244		374		482		598	631	726	792		
	P _{GC}		91.9	146		257		380		533		843		1217	1280	1443	1569		
	P _{GD}		127	202		350		514		756		1147		1603	1688	1947	2110		
16	P _{GA}		36.8	48.3	55.4	72.9	83.3	94.3	103	114	125	122	138	*	*				
	P _{GB}		78.6	110	126	172	196	239	262	358	407	445	511	597	615	737	241		
	P _{GC}		87.4	141	157	244	272	369	415	508	662	769	868	1196	1230	1429	1447		
	P _{GD}		121	195	216	334	369	500	558	719	907	1047	1181	1583	1621	1937	1949		
18	P _{GA}		35.9	47.2	54.1	71.1	81.1	92.5	96.3	115	129	128	146	*	*				
	P _{GB}		76.4	107	122	167	191	232	243	353	411	454	520	581	617	722	787		
	P _{GC}		84.7	136	150	235	265	357	383	499	665	777	877	1155	1219	1375	1503		
	P _{GD}		117	189	208	322	359	485	514	707	913	1060	1195	1525	1608	1872	2033		
20	P _{GA}	31.6	34	45.6	52.6	68.8	78	89.8	100	112	124	126	140	*	*				
	P _{GB}	49.3	72.1	103	118	161	182	223	251	339	385	428	480	568	599	708	736	839	
	P _{GC}		80.1	131	145	225	249	342	392	476	616	729	800	1114	1165	1332	1379		
	P _{GD}		111	181	201	307	340	466	529	676	848	996	1092	1475	1542	1815	1876		
22.4	P _{GA}	31.4	33.3	45.1	51.4	67.2	76.7	88.6	93.9	110	128	126	148	*	*				
	P _{GB}	49.3	70.3	101	115	155	177	218	231	324	388	412	489	559	586	702	722	836	864
	P _{GC}		77.9	130	142	218	242	332	360	443	617	683	811	1061	1121	1282	1332		
	P _{GD}		108	180	195	296	330	452	485	632	850	936	1107	1412	1490	1756	1718		
25	P _{GA}	29.4	31.9	43.3	50.1	66.2	75.2	86.9	92.8	109	130	128	150	153	160				
	P _{GB}	46	66.7	96.6	110	151	170	209	223	307	375	395	466	537	585	681	732	833	681
	P _{GC}		73.6	122	135	208	232	310	347	408	590	632	762	970	1078	1181	1294		
	P _{GD}		102	168	186	284	317	422	466	584	817	870	1045	1297	1440	1629	1780		
28	P _{GA}	28.7	30.9	42.5	50	64.1	74.4	85	93.1	109	131	131	155	168	172	183	182	200	
	P _{GB}	44.6	63.9	93.3	109	143	165	199	220	296	363	380	452	535	562	689	711	828	878
	P _{GC}		69.4	116	134	193	225	288	336	382	554	590	715	939	987	1157	1193		
	P _{GD}		96.7	159	185	264	306	395	455	549	767	819	985	1265	1326	1605	1650		
31.5	P _{GA}	27	29.4	40.7	47.8	61.7	72.7	82.7	90.7	106	129	131	154	170	183	190	199	216	227
	P _{GB}	42	60.7	88.5	103	136	160	190	210	282	344	365	430	508	558	658	712	799	863
	P _{GC}		65.2	108	126	180	215	271	312	356	508	550	658	857	952	1057	1165		
	P _{GD}		90.8	149	175	247	292	370	424	514	709	766	912	1162	1288	1487	1520		
35.5	P _{GA}	26.7	27.8	38.6	46.4	59.1	69.8	79.6	87.7	105	125	130	151	173	181	196	103	228	235
	P _{GB}	39.6	56.8	83	99.8	129	152	181	199	271	328	353	412	495	526	644	677	785	825
	P _{GC}		59.9	99.3	119	167	200	248	292	338	475	524	615	819	871	1021	1071		
	P _{GD}		83.7	138	166	229	272	341	396	487	661	732	855	1114	1181	1429	1498		
40	P _{GA}	23.5	24.3	33.7	44.3	52	67.1	75	84.4	100	121	125	147	168	180	194	204	228	240
	P _{GB}	34.7	49.4	71.6	94.6	112	144	168	191	255	310	334	392	469	510	614	657	747	606
	P _{GC}		50.5	82.7	111	138	187	224	274	310	440	484	574	758	829	954	1022		
	P _{GD}		70.6	115	155	191	254	309	372	449	616	678	798	1035	1129	1339	1434		
45	P _{GA}	23.2	23.8	32.9	41.8	50.8	64	69.4	80.8	93.2	118	117	144	160	176	187	203	221	240
	P _{GB}	34	48.3	69.8	88.5	108	137	154	180	234	298	306	377	434	484	572	629	700	765
	P _{GC}		49	79.7	102	133	172	202	251	280	417	435	544	684	768	868	960		
	P _{GD}		68.7	111	142	183	236	279	342	407	585	607	760	936	1049	1221	1346		
50	P _{GA}	22.7	24.2	33	36.8	50.7	56.9	69.3	77	95.8	115	124	142	174	174	210	204	240	247
	P _{GB}	33.6	48.7	69.2	76.9	106	119	151	169	232	281	310	358	445	453	593	594	690	736
	P _{GC}		49.1	77.7	85.8	129	144	194	228	274	384	433	506	692	696	884	880		
	P _{GD}		68.5	108	119	177	197	269	312	396	539	610	709	944	956	1242	1240		
56	P _{GA}	20.3	22.4	30.7	36.2	47.5	55.7	64.8	72	88.9	108	117	135	167	186	203	225	245	260
	P _{GB}	29.7	44.8	64	75.1	99.5	116	140	155	211	260	285	330	411	461	552	612	675	712
	P _{GC}		44.2	70.1	82.9	117	138	174	206	243	345	389	451	622	702	800	891		
	P _{GD}		62.1	98.3	115	162	190	241	281	354	488	547	637	852	962	1128	1255		
63	P _{GA}	20.6	21.6	29.5	36	46.1	55.2	62.8	71	86.3	108	114	138	162	173	199	211	243	256
	P _{GB}	28.8	43.2	61.6	74.2	96.2	114	135	151	203	255	275	332	393	422	529	563	654	689
	P _{GC}		41.9	66.2	80.8	111	134	164	197	229	335	366	451	585	627	755	905		
	P _{GD}		58.9	93	112	154	185	229	269	334	471	517	633	802	862	1070	1133		
71	P _{GA}	19.1	20	28.2	33.3	43.9	51.4	59	65.9	80.2	99.9	107	127	155	167	190	205	232	251
	P _{GB}	26.5	40	58.5	68.4	91.7	106	126	140	189	232	258	302	372	404	498	539	615	666
	P _{GC}		38	61.3	73	103	122	148	177	206	297	331	404	538	591	698	760		
	P _{GD}		53.7	86.5	102	143	168	209	243	301	421	469	567	743	813	990	1075		
80	P _{GA}				31.9		49.7		63.8		95.8		123		161		196		240
	P _{GB}				65.9		102		136		224		291		384		507		626
	P _{GC}				68.8		115		167		278		379		544		700		
	P _{GD}				96.7		160		231		396		536		751		994		
90	P _{GA}				30.5		47.4		60		89.6		115						
	P _{GB}				62.7		97.6		127		208		273						
	P _{GC}				63.8		107		151		249		343						
	P _{GD}				90.1		149		210		357		487						

* 请咨询誉煌销售工程师
其他说明见类型 B2

* Please consult with YUHUANG sales engineer
For additional notes, see type B2.

02

齿轮箱

热容量

类型 B3..

规格 3-20

 $n_1=1800\text{min}^{-1}$

Gear Units

Thermal Capacities

Type B3..

Sizes 3-20

 $n_1=1800\text{min}^{-1}$

热容量 $P_G(\text{kW})$ Thermal capacities $P_G(\text{kW})$																			
i_N		齿轮箱规格 / Gear unit sizes																	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
12.5	P_{GA}	39	48		70.4			82.9		*		*		*					
	P_{GB}	93.5	128		201			267		388		461		548		622			
	P_{GC}	103	165		288			420		574		863		1271		1465			
	P_{GD}	148	234		403			585		835		1199		1704		2009			
14	P_{GA}	38.4	47.7		70.6			84.9		*		*		*	*				
	P_{GB}	91.2	125		196			262		390		483		561	581	650	687		
	P_{GC}	100	160		279			410		568		882		1240	1296	1445	1556		
	P_{GD}	143	226		390			570		826		1231		1674	1750	1996	2141		
16	P_{GA}	36.8	46.7	53.1	68.5	76.8		85.1	90.8	89.8	*	*	*	*	*				
	P_{GB}	86.9	121	138	187	212	258	281	375	419	450	513	568	575	671	658			
	P_{GC}	95.9	154	171	266	295	399	448	542	701	807	909	1226	1252	1440	1446			
	P_{GD}	136	218	241	372	410	555	618	787	986	1128	1268	1662	1691	2000	1994			
18	P_{GA}	35.9	45.9	52.2	67.4	75.5	84.4	86.1	93.1	*	*	*	*	*	*				
	P_{GB}	84.5	118	134	182	207	250	261	371	426	462	527	560	586	669	714			
	P_{GC}	93	149	164	256	287	386	414	534	706	819	921	1190	1248	1395	1513			
	P_{GD}	132	212	233	360	400	539	570	776	995	1146	1289	1610	1687	1946	2096			
20	P_{GA}	28.9	34.1	44.5	51	65.7	73.3	82.9	90.8	93.3	96	*	*	*	*				
	P_{GB}	46.9	79.9	113	129	175	198	241	270	358	401	440	489	555	577	668	681	761	
	P_{GC}	88	143	159	246	271	371	425	511	657	771	844	1154	1199	1360	1399			
	P_{GD}	125	203	225	344	379	519	588	743	926	1081	1182	1566	1628	1900	1949			
22.4	P_{GA}	28.6	33.6	44.3	50.1	64.6	72.7	82.7	86.2	93.7	102	*	*	*	*				
	P_{GB}	46.1	77.9	112	126	170	193	237	250	343	407	426	503	554	573	673	681	774	789
	P_{GC}	85.7	142	155	238	263	361	390	476	659	725	858	1104	1161	1318	1360			
	P_{GD}	122	202	219	331	368	504	539	697	932	1019	1203	1507	1582	1651	1902			
25	P_{GA}	26.7	32.3	43	49.4	64.6	72.5	82.8	87.2	97.2	110	102	116	*	*				
	P_{GB}	43.2	74.1	106	122	165	186	228	243	329	398	414	486	544	587	674	714	803	840
	P_{GC}	80.9	134	148	227	254	337	377	440	634	675	813	1020	1128	1229	1339			
	P_{GD}	115	189	209	319	355	471	520	647	901	954	1143	1399	1546	1738	1890			
28	P_{GA}	25.9	31.4	42.6	49.9	63.4	72.9	82.5	89.4	100	117	112	130	*	*				
	P_{GB}	41.8	71.1	103	121	157	182	218	240	320	390	404	479	554	577	700	716	826	869
	P_{GC}	76.5	127	147	211	246	315	367	414	598	635	767	998	1044	12189	1251			
	P_{GD}	109	179	209	296	344	442	509	611	851	903	1085	1378	1440	1734	1776			
31.5	P_{GA}	24.2	30.1	41	48	61.6	72	81.3	88.4	100	118	116	135	137	142				
	P_{GB}	39.1	67.6	98.1	114	150	177	209	230	306	371	391	460	534	582	681	731	814	874
	P_{GC}	71.8	119	139	198	236	297	341	387	551	594	710	916	1015	1133	1233			
	P_{GD}	102	169	197	278	328	415	476	573	788	849	1009	1274	1409	1619	1759			
35.5	P_{GA}	23.4	28.5	39.1	46.9	59.4	69.7	78.9	86.3	100	118	119	137	146	149	155	155		
	P_{GB}	35.8	63.3	92.1	110	142	168	199	219	296	356	381	443	525	555	674	705	813	849
	P_{GC}	66.1	109	131	184	219	272	320	369	516	568	666	880	933	1091	1141			
	P_{GD}	94.6	155	187	258	306	384	445	544	738	814	949	1228	1299	1566	1836			
40	P_{GA}	20.7	25	34.2	44.9	52.4	67.2	74.7	83.6	97	115	116	136	146	153	160	164	175	
	P_{GB}	31.4	55.1	79.6	105	124	160	186	211	279	337	362	424	500	541	647	690	779	836
	P_{GC}	55.7	91	123	152	205	246	300	339	480	526	623	816	891	1022	1092			
	P_{GD}	79.8	129	175	215	286	348	418	503	688	755	888	1144	1245	1472	1572			
45	P_{GA}	20.7	24.5	33.5	42.5	51.3	64.4	69.5	80.4	90.8	113	no	134	142	154	159	169	179	190
	P_{GB}	31.2	53.9	77.7	98.4	120	151	170	199	257	326	333	409	465	517	607	665	737	801
	P_{GC}	54.1	87.8	113	147	190	222	275	306	454	473	592	739	828	933	1029			
	P_{GD}	77.7	125	161	206	265	314	384	457	655	677	847	1037	1160	1346	1481			
50	P_{GA}	19.8	24.9	33.9	37.7	51.7	57.8	70.2	77.7	95.2	113	120	138	163	161	191	184	212	216
	P_{GB}	30.4	54.4	77.1	85.7	118	132	167	188	256	310	340	392	483	491	640	639	739	780
	P_{GC}	54.2	85.7	94.6	142	158	213	250	300	421	473	552	752	755	958	951			
	P_{GD}	77.5	122	135	200	223	303	352	445	606	684	794	1053	1064	1380	1376			
56	P_{GA}	17.6	23.1	31.6	37.2	48.7	57	66.1	73.2	89.4	108	116	133	161	179	193	211	229	240
	P_{GB}	26.4	50	71.4	83.7	110	129	156	173	234	288	314	363	450	504	601	665	731	771
	P_{GC}	48.9	77.4	91.4	129	152	192	227	267	379	426	494	680	766	871	969			
	P_{GD}	70.3	111	130	183	215	272	318	398	549	614	716	954	1076	1260	1401			
63	P_{GA}	17.4	22.3	30.4	37.1	47.3	56.6	64.2	72.5	87.3	108	114	137	158	168	192	202	231	242
	P_{GB}	25.4	48.3	68.7	82.9	107	127	150	168	226	283	303	367	431	463	579	615	712	750
	P_{GC}	46.3	73.1	89.2	123	147	181	217	252	368	401	494	639	685	814	877			
	P_{GD}	66.7	105	127	174	210	259	304	377	531	582	712	899	966	1198	1267			
71	P_{GA}	16.3	20.7	29.1	34.3	45.2	52.7	60.4	67.4	81.3	100	107	127	153	163	184	198	222	239
	P_{GB}	23.7	44.8	65.3	76.3	102	118	141	156	210	257	285	334	409	444	546	590	671	726
	P_{GC}	42	67.7	80.6	113	134	163	195	226	327	363	443	589	647	763	830			
	P_{GD}	60.8	97.9	115	162	190	236	275	340	474	528	638	834	912	1109	1204			
80	P_{GA}				32.9		51.1		65.3		96.9		123		158		190		231
	P_{GB}				73.6		114		151		248		323		423		556		684
	P_{GC}				76		127		184		305		417		595		765		
	P_{GD}				109		182		261		447		604		843		1114		
90	P_{GA}				31.5		48.8		61.5		90.9		116						
	P_{GB}				70		108		142		231		302						
	P_{GC}				70.5		118		166		274		377						
	P_{GD}				102		168		238		403		549						

* 请咨询誉煌销售工程师
其他说明见类型 B2

* Please consult with YUHUANG sales engineer
For additional notes, see type B2.

02 | 齿轮箱

额定功率
类型 B4..
规格 5-20

Gear Units

Nominal Power Ratings
Type B4..
Sizes 5-20

额定功率 P _{2N} (kW) / Nominal power ratings P _{2N} (kW)																		
i _N	n ₁	n ₂	齿轮箱规格 / Gear unit sizes															
			5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
80	1800	23	27		52		85		148		218		368		481		722	
	1500	18.8	22		42		70		121		178		301		393		590	
	1200	15	18		34		56		96		142		240		314		471	
	1000	12.5	15		28		46		80		118		200		261		392	
90	1800	20	24		45		74		129		189		320	362	418	502	628	722
	1500	16.7	20		37		62		107		158		267	302	349	419	524	603
	1200	13.3	16		30		49		85		126		213	240	278	334	417	480
	1000	11.1	13		25		41		71		105		177	201	232	278	348	400
100	1800	18	21	29	40	51	67	83	116	147	170	212	288	326	376	452	565	850
	1500	15	18	24	34	42	56	69	96	122	142	177	240	271	314	376	471	541
	1200	12	14	19	27	34	44	55	77	98	113	141	192	217	251	301	378	433
	1000	10	12	16	22	28	37	46	64	81	94	118	160	181	209	251	314	381
112	1800	16.1	19	26	36	45	60	74	103	131	152	190	257	291	337	401	505	581
	1500	13.4	16	21	30	38	50	62	86	109	127	158	214	242	280	336	420	484
	1200	10.7	12	17	24	30	39	49	69	87	101	126	171	193	224	268	336	386
	1000	8.9	10	14	20	25	33	41	57	72	84	105	142	161	186	223	279	321
125	1800	14.4	17	23	32	41	53	66	92	117	136	170	230	260	301	361	452	520
	1500	12	14	19	27	34	44	55	77	98	113	141	192	217	251	301	376	433
	1200	9.6	11	15	21	27	35	44	61	78	91	113	153	173	201	241	301	345
	1000	8	9.7	12	18	22	29	37	51	65	75	94	128	144	167	201	251	289
140	1800	12.9	15	20	29	36	48	59	83	105	122	152	206	233	270	324	405	466
	1500	10.7	12	17	24	30	39	49	69	87	101	126	171	193	224	268	336	386
	1200	8.6	10	13	19	24	32	39	55	70	81	101	137	155	180	216	370	310
	1000	7.1	8.6	11	16	20	26	32	45	57	67	84	113	128	148	178	223	258
160	1800	11.3	13	18	25	32	42	52	72	92	107	133	181	204	236	283	354	408
	1500	9.4	11	15	21	26	35	43	60	76	89	111	150	170	196	236	295	339
	1200	7.5	9.1	12	17	21	28	34	48	61	71	88	120	135	157	188	235	270
	1000	6.3	7.6	10	14	17	23	29	40	51	59	74	100	114	131	158	197	227
180	1800	10	12	16	22	28	37	46	64	81	94	118	160	181	209	251	314	361
	1500	8.3	10	13	18	23	31	38	53	67	78	98	132	150	173	208	250	299
	1200	6.7	8.1	10	15	19	25	31	43	54	63	79	107	121	140	168	210	242
	1000	5.6	6.8	9	12	15	20	25	36	45	53	66	89	101	117	140	175	202
200	1800	9	10	14	20	25	33	41	58	73	85	106	144	163	188	226	282	325
	1500	7.5	9.1	12	17	21	28	34	48	61	71	88	120	135	157	188	235	270
	1200	6	7.2	9.7	13	17	22	27	38	49	56	70	96	108	125	160	188	216
	1000	5	6	8.1	11	14	18	23	32	40	47	59	80	90	104	125	157	180
224	1800	8	9.7	12	18	22	29	37	51	65	75	94	128	144	167	201	251	289
	1500	6.7	8.1	10	15	19	25	31	43	54	63	79	107	121	140	168	210	242
	1200	5.4	6.5	8.7	12	15	20	24	34	44	51	63	86	97	113	135	169	195
	1000	4.5	5.4	7.3	10	12	16	20	29	36	42	53	72	81	94	113	141	162
250	1800	7.2	8.7	11	16	20	26	33	46	58	68	85	115	130	150	180	226	260
	1500	6	7.2	9.7	13	17	22	27	38	49	56	70	96	108	125	150	168	216
	1200	4.8	5.8	7.7	10	13	17	22	30	39	45	56	76	86	100	120	150	173
	1000	4	4.8	6.4	9	11	14	18	25	32	37	47	64	72	83	100	125	144
280	1800	6.4	7.7	10	14	18	23	29	41	52	60	75	102	115	134	160	201	231
	1500	5.4	6.5	8.7	12	15	19	24	34	44	51	63	86	97	113	135	169	195
	1200	4.3	5.2	6.9	9.7	12	15	19	27	35	40	50	68	77	90	108	135	155
	1000	3.6	4.3	5.8	8.1	10	13	16	23	29	34	42	57	65	75	90	113	130
315	1800	5.7	6.6	9.2	12	16	20	26	35	46	54	67	91	103	119	143	179	205
	1500	4.8	5.6	7.7	10	13	17	22	30	39	45	56	76	86	100	120	150	173
	1200	3.8	4.4	6.1	8.1	10	13	17	23	31	36	44	60	68	79	95	119	137
	1000	3.2	3.7	5.1	6.8	9.1	11	14	20	26	30	37	51	57	67	80	100	115
355	1800	5.1		8.2		14		23		41		60		92		128		184
	1500	4.2		6.8		11		19		34		49		76		105		151
	1200	3.4		5.5		9.4		15		27		40		61		85		122
	1000	2.8		4.5		7.7		12		22		33		50		70		101
400	1800	4.5		6.8		12		20		35		53						
	1500	3.8		5.7		10		17		29		44						
	1200	3		4.5		8		13		23		35						
	1000	2.5		3.7		6.6		11		19		29						

02 | 齿轮箱

额定输出扭矩
类型 B4..
规格 4-20

Gear Units

Nominal Output Torques
Type B4..
Sizes 4-20

额定输出扭矩 T_{2N} (kNm) Nominal Output Torques T_{2N} (kNm)																	
i_N	齿轮箱规格/Gear unit sizes																
	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5	6.1	9.4		19		29.9		46		68.6		122					
5.6	6.2	9.4		19		29.9		48.1		69.6		122	135	195			
6.3	6.2	9.4	12	19	23.8	29.9	38	50.2	58.8	73.5	85.2	130	141	195			
7.1	6.2	9.4	12	19	23.8	29.9	38	52.4	60.9	75.9	87.3	132	145	195	230		
8	6.2	9.4	12	19	23.8	29.9	38	54	63.4	80	91.5	132	148	195	230		
9	6.2	9.4	12	19	23.8	29.9	38	54	65.2	81.1	94	132	148	195	230		
10	6.2	9.4	12	19	23.8	29.9	38	54	66.3	81.1	98.8	132	148	195	230		
11.2	6.2	9.4	12	19	23.8	29.9	38	54	66.3	81.1	101	132	148	195	230		
12.5	5.5	9.4	12	17	23.8	28	38	52.4	66.3	79.5	101	132	148	195	230	250	
14	6	9.8	12	18.2	23.8	29.5	38	56.7	66.3	81.6	101	137	148	195	230	262	295
16	6.6	10.5	12	19.8	21.5	31	35.6	59.9	66.3	83.8	99.4	142	154	200	236	275	308
18	6.7	11.3	12.6	21.1	23.1	33.9	37.5	62	69.5	86.7	102	148	160	200	240	288	324
20	6.7	11.6	13.2	21.7	25	35.7	39.3	63.5	72.7	90.7	105	153	167	200	240	300	332
22.4	6.7	11.6	14.2	21.7	26.5	35.7	41.8	63.5	75.6	90.7	108	153	173	200	240	300	345
25	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
28	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
31.5	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
35.5	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
40	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
45	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
50	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
56	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
63	6.6	11.4	15.5	21.4	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345
71	6.6	11	15.5	20	27.2	34	43.8	60	77.2	90.7	113	153	173	200	240	300	345
80		11.6	14	21.7	26.9	35.7	43.8	61.6	77.2	90.7	113	153	173	200	240	300	345
90		11.6	14	21.7	25.2	35.7	43	61.6	75	90.7	113	153	173	200	240	300	345
100		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
112		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
125		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
140		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
160		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
180		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
200		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
224		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
250		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345
280		11.6	15.5	21.7	27.2	35.3	44.2	61.6	78	90.7	113	153	173	200	240	300	345
315		11.2	15.5	20.5	27.2	34	44.2	60	78	90.7	113	153	173	200	240	300	345
355			15.5		26.5		44.2		78		113		173		240		345
400			14.5		25.5		43		75		113						

02

齿轮箱

热容量

类型 B4..

规格 5-20

 $n_1=1000\text{min}^{-1}$

Gear Units

Thermal Capacities

Type B4..

Sizes 5-20

 $n_1=1000\text{min}^{-1}$

热容量 P _G (kW)/Thermal capacities P _G (kW)																		
i _N		齿轮箱规格 /Gear unit sizes																
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
80	P _{GA}	28.6		42.4		60		90.6		121		162		183		250		
90	P _{GA}	27.9		41		58.6		87.9		118		155	167	175	188	240	256	
100	P _{GA}	26.6	30.6	38.8	45.3	55.6	60.4	84.4	101	112	130	146	160	164	180	227	246	
112	P _{GA}	25.6	29.9	37.4	44	53.5	59	80.4	97.6	107	126	139	151	157	169	216	232	
125	P _{GA}	24.5	28.6	35.7	41.6	51	56	77	93.2	102	119	132	144	149	161	205	221	
140	P _{GA}	23.4	27.5	33.9	40.1	48.1	53.9	72.8	88.8	97.6	114	128	137	144	154	196	211	
160	P _{GA}	21.5	26.3	30.9	38.2	44	51.3	66.4	85.1	92.4	110	121	132	136	148	187	203	
180	P _{GA}	21.1	25.1	30.1	36.4	42.9	48.7	64.6	80.6	87.2	103	114	124	128	139	175	191	
200	P _{GA}	20.4	23.1	29.9	33.2	42	44.6	63.2	73.6	85.2	98.5	112	117	126	132	174	179	
224	P _{GA}	19	22.7	27.8	32.4	39.3	43.4	59.4	71.8	79.9	93.2	105	116	117	130	163	179	
250	P _{GA}	18.5	21.8	26.9	32.1	37.9	42.5	57.5	70.1	77.3	90.6	102	108	114	122	158	168	
280	P _{GA}	17.6	20.4	25.2	30	36.1	39.8	55	65.8	73	85.2	95	104	107	117	148	161	
315	P _{GA}	16.5	19.8	23.6	28.8	33.9	38.4	51.3	63.7	69.6	82.4	89.7	98.5	101	110	140	153	
355	P _{GA}		19		27.1		36.6		60.8		77.8		92.4		104		144	
400	P _{GA}		17.7		25.4		34.5		56.7		74.1							

 $n_1=1200\text{min}^{-1}$ $n_1=1200\text{min}^{-1}$

		热容量 $P_G(\text{kW})$ /Thermal capacities $P_G(\text{kW})$																
i_N		齿轮箱规格 /Gear unit sizes																
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
80	P_{GA}	30.5		45.1		63.5		94.9		125		165		183		248		
90	P_{GA}	29.9		43.7		62.2		92.3		123		159	170	176	189	240	255	
100	P_{GA}	28.5	32.7	41.4	48.2	59.1	64.1	88.9	106	117	135	150	163	167	182	228	247	
112	P_{GA}	27.5	32	39.9	46.9	56.9	62.7	84.9	102	112	132	144	155	161	173	219	235	
125	P_{GA}	26.3	30.6	38.2	44.4	54.4	59.7	81.5	98.4	108	125	138	149	154	166	210	226	
140	P_{GA}	25.1	29.5	36.3	42.9	51.4	57.5	77.3	94.1	103	120	134	143	149	159	204	217	
160	P_{GA}	23.1	28.2	33.2	41	47	54.9	70.7	90.4	97.8	116	127	138	142	155	194	210	
180	P_{GA}	22.7	27	32.4	39	46	52.2	69	85.9	92.8	110	120	131	135	146	183	200	
200	P_{GA}	21.9	24.9	32.1	35.7	45.1	47.8	67.7	78.7	91	105	119	125	134	140	183	189	
224	P_{GA}	20.4	24.4	30	34.9	42.3	46.7	63.8	77	85.6	99.8	112	123	125	138	174	190	
250	P_{GA}	20	23.5	29	34.6	40.8	45.8	61.9	75.4	83.1	97.4	109	116	122	131	169	180	
280	P_{GA}	19	22	27.2	32.3	39	43	59.3	71	78.8	92	102	113	115	127	160	174	
315	P_{GA}	17.8	21.4	25.5	31.1	36.6	41.5	55.4	68.7	75.2	89	96.9	106	109	119	152	165	
355	P_{GA}		20.5		29.2		39.6		65.6		84		99.7		113		155	
400	P_{GA}		19.1		27.4		37.3		61.2		80							

 $n_1=1500\text{min}^{-1}$ $n_1=1500\text{min}^{-1}$

		热容量 $P_G(\text{kW})$ /Thermal capacities $P_G(\text{kW})$																
i_N		齿轮箱规格 /Gear unit sizes																
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
80	P_{GA}	31.7		46.9		66.1		98.6		130		171		189		256		
90	P_{GA}	31.1		45.5		64.7		95.9		128		164	175	183	195	248	264	
100	P_{GA}	29.6	34	43.1	50.2	61.5	66.7	92.4	110	121	140	156	169	173	188	236	255	
112	P_{GA}	28.6	33.3	41.5	48.8	59.2	65.3	88.3	106	116	137	149	161	167	179	227	243	
125	P_{GA}	27.4	31.8	39.7	46.2	56.6	62.1	84.8	102	112	130	143	155	159	172	218	234	
140	P_{GA}	26.1	30.7	37.8	44.6	53.5	59.9	80.4	97.8	107	125	139	148	155	165	211	225	
160	P_{GA}	24.1	29.4	34.5	42.7	49	57.2	73.6	94.1	101	121	132	143	147	160	202	218	
180	P_{GA}	23.6	28.1	33.7	40.7	47.9	54.3	71.8	89.3	96.5	114	125	136	140	152	190	208	
200	P_{GA}	22.8	25.9	33.5	37.2	47	49.8	70.5	81.9	94.7	109	124	130	139	146	191	196	
224	P_{GA}	21.3	25.4	31.2	36.4	44	48.6	66.5	80.2	89.1	104	117	128	130	144	181	198	
250	P_{GA}	20.8	24.5	30.2	36	42.5	47.8	64.5	78.6	86.6	101	114	120	127	136	176	187	
280	P_{GA}	19.8	22.9	28.4	33.7	40.6	44.8	61.8	74	82.1	95.9	106	117	120	132	167	182	
315	P_{GA}	18.6	22.3	26.6	32.4	38.2	43.2	57.8	71.6	78.4	92.7	100	110	113	124	158	172	
355	P_{GA}		21.3		30.4		41.2		68.4		87.6		103		117		162	
400	P_{GA}		19.9		28.6		38.9		63.8		83.4							

 $n_1=1800\text{min}^{-1}$ $n_1=1800\text{min}^{-1}$

		热容量 P _G (kW)/Thermal capacities P _G (kW)																
i _N		齿轮箱规格 /Gear unit sizes																
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
80	P _{GA}	33		48.6		68.1		100		130		168		189		245		
90	P _{GA}	32.3		47.2		66.8		97.9		129		163	173	183	190	239	253	
100	P _{GA}	30.9	35.4	44.8	52	63.6	68.8	94.7	112	123	142	155	168	173	185	230	247	
112	P _{GA}	29.8	34.7	43.2	50.6	61.4	67.5	90.7	109	118	139	150	161	167	177	223	238	
125	P _{GA}	28.5	33.2	41.4	48	58.8	64.3	87.3	105	114	133	144	155	159	171	216	231	
140	P _{GA}	27.3	32	39.4	46.5	55.6	62.2	83.1	100	109	128	141	150	155	166	212	224	
160	P _{GA}	25.2	30.7	36.1	44.5	51	59.5	76.2	97.2	104	124	135	146	147	162	204	220	
180	P _{GA}	24.7	29.4	35.2	42.5	50	56.6	74.6	92.6	99.8	118	129	140	140	155	194	211	
200	P _{GA}	23.9	27.1	35	38.9	49.1	52	73.4	85.2	98.3	113	128	134	139	150	196	201	
224	P _{GA}	22.3	26.7	32.7	38.1	46.1	50.9	69.5	83.7	92.9	108	121	133	130	149	187	205	
250	P _{GA}	21.8	25.7	31.7	37.8	44.6	50.1	67.6	82.3	90.6	106	119	126	127	142	184	195	
280	P _{GA}	20.9	24.1	29.8	35.4	42.7	47.1	65	77.7	86.3	100	112	123	120	139	175	191	
315	P _{GA}	19.5	23.5	27.9	34.1	40.1	45.4	60.7	75.2	82.3	97.4	106	116	113	131	166	180	
355	P _{GA}		22.4		32		43.3		71.8		92		109		123		170	
400	P _{GA}		21		30		40.8		67		87.6							

 P_{GA} (kW) 齿轮箱不带辅助冷却装置 ** P_{GA} (kW) Gear units without auxiliary cooling**

**) 表中数值按: 每小时工作周期: 100%, 在室内大空间安装, 海拔高度至 1000m

**) Values refer to: Operating cycle: 100 %, Installation in a large hall, Altitude up to 1000 m

02

齿轮箱

实际传动比

类型 H1SH, H2..., H3..., H4..

规格 3-20

Gear Units

Actual Ratios

Type H1SH, H2..., H3..., H4..

Sizes 3-20

实际传动比 i / Actual ratios i																			
i _N	齿轮箱规格 / Gear unit sizes																		
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
1.25	1.243	-	1.256	-	1.263	-	1.270	-	-	-	-	-	-	-	-	-	-	-	
1.4	1.371	-	1.378	-	1.389	-	1.400	-	-	-	-	-	-	-	-	-	-	-	
1.6	1.594	-	1.588	-	1.606	-	1.625	-	1.636	-	1.588	-	-	-	-	-	-	-	
1.8	1.829	-	1.839	-	1.774	-	1.800	-	1.806	-	1.839	-	-	-	-	-	-	-	
2.0	2.000	-	2.034	-	1.966	-	2.000	-	2.000	-	2.034	-	2.000	-	2.000	-	1.967	-	
2.24	2.194	-	2.259	-	2.308	-	2.231	-	2.222	-	2.259	-	2.231	-	2.25	-	2.296	-	
2.5	2.536	-	2.520	-	2.583	-	2.500	-	2.480	-	2.520	-	2.481	-	2.481	-	2.580	-	
2.8	2.808	-	2.826	-	2.800	-	2.741	-	2.783	-	2.828	-	2.733	-	2.760	-	2.870	-	
3.15	3.125	-	3.190	-	3.130	-	3.208	-	3.080	-	3.208	-	3.087	-	3.087	-	3.238	-	
3.55	3.500	-	3.591	-	3.524	-	3.591	-	3.478	-	3.591	-	3.476	-	3.476	-	3.450	-	
4.0	3.950	-	4.050	-	4.000	-	4.050	-	3.905	-	4.050	-	3.947	-	3.947	-	3.944	-	
4.5	4.435	-	4.619	-	4.400	-	4.381	-	4.421	-	4.619	-	4.579	-	4.526	-	4.400	-	
5.0	4.952	-	4.900	-	4.905	-	4.947	-	5.150	-	4.900	-	5.100	-	4.900	-	4.950	-	
5.6	5.579	-	5.556	-	5.526	-	5.684	-	5.474	-	5.556	-	5.778	-	5.556	-	5.700	-	
6.3	-	6.319	6.286	-	6.088	-	6.260	-	6.246	-	6.410	-	6.449	-	6.154	-	6.410	-	
7.1	-	6.857	7.213	-	7.048	-	7.247	-	6.900	-	7.100	-	7.120	7.316	9.125	7.147	7.100	7.132	
8.0	-	7.778	7.889	7.792	7.799	7.676	8.018	7.848	7.644	7.941	7.889	7.944	7.882	8.076	7.881	8.274	7.889	8.100	
9.0	-	8.485	8.652	8.940	8.660	8.887	8.904	9.085	8.974	8.772	8.799	8.800	8.758	8.941	8.755	9.155	8.799	9.000	
10	-	9.722	10.002	9.778	9.660	9.833	9.932	10.053	10.046	9.718	9.861	9.778	9.774	9.935	9.765	10.167	9.788	10.038	
11.2	-	10.694	11.075	10.724	10.648	10.920	11.138	11.163	10.889	11.410	10.811	10.906	10.967	11.087	10.951	11.340	10.887	11.167	
12.5	-	12.444	12.326	12.397	11.807	12.180	12.574	12.452	12.174	12.773	12.655	12.222	12.139	12.440	12.432	12.717	12.176	12.420	
14	-	13.865	13.806	13.726	13.939	13.426	14.152	13.964	13.704	13.844	14.164	13.399	13.708	13.769	13.915	14.438	13.712	13.891	
16	-	15.556	15.581	15.278	15.717	14.887	15.962	15.765	15.556	15.478	15.975	15.685	15.389	15.550	15.694	16.159	15.570	15.643	
18	-	17.602	17.493	17.111	17.598	17.576	18.204	17.743	17.111	17.423	17.280	17.556	17.424	17.457	17.899	18.225	18.061	17.763	
20	-	19.444	19.534	19.311	19.742	19.817	19.312	20.012	19.074	19.778	19.515	19.800	20.297	19.765	18.988	20.786	20.117	20.605	
22.4	-	22.037	22.006	21.681	20.982	22.189	21.895	22.824	21.491	21.756	22.020	21.418	21.374	23.024	20.930	22.050	21.782	22.95	
25	-	-	25.011	24.212	25.540	24.892	25.439	24.212	24.706	24.251	25.372	24.187	24.716	24.245	24.02	24.306	25.283	24.850	
28	-	-	28.490	27.275	27.711	26.456	29.187	27.451	28.602	27.325	29.373	27.292	27.304	28.036	26.736	28.106	28.006	28.844	
31.5	-	-	31.161	30.999	31.433	32.202	31.924	31.894	31.648	31.412	32.501	31.447	30.248	30.971	29.619	31.048	31.117	31.950	
35.5	-	-	34.177	35.312	34.291	34.940	35.013	36.593	35.144	36.366	36.092	36.406	35.514	34.311	34.776	34.397	34.708	35.500	
40	-	-	39.508	38.622	39.292	39.633	40.474	40.024	39.200	40.238	40.257	40.283	39.756	40.284	38.929	40.385	38.897	39.596	
45	-	-	43.745	42.360	43.221	43.236	44.816	43.897	43.210	44.683	45.147	44.733	43.090	45.096	42.194	45.208	47.642	44.375	
50	-	-	48.689	48.967	50.293	49.542	49.881	50.744	47.911	49.840	50.968	49.896	48.175	48.878	47.174	49.000	49.917	48.648	
56	-	-	54.532	54.220	56.033	54.496	55.866	56.187	56.566	54.938	57.365	55.957	54.229	54.647	53.102	54.783	55.870	56.948	
63	-	-	61.543	60.347	62.867	63.413	63.049	62.537	63.778	60.916	64.699	63.171	61.557	61.514	60.278	61.667	63.113	63.739	
71	-	-	69.742	67.589	71.139	70.651	70.787	70.041	71.414	71.919	73.789	71.100	67.713	69.826	66.303	70.000	68.162	71.868	
80	-	-	78.723	76.279	78.583	79.267	79.049	79.046	80.111	81.089	78.278	80.190	75.481	76.809	73.912	77.000	76.974	77.762	
90	-	-	86.806	86.440	89.061	89.696	89.050	88.748	85.146	90.798	88.750	91.457	85.046	85.620	83.279	85.833	88.439	87.816	
100	-	-	-	97.572	101.554	99.083	101.210	99.106	103.639	101.856	103.114	97.020	97.768	96.471	95.735	96.711	100.079	100.895	
112	-	-	-	107.590	115.256	112.294	115.290	111.645	112.450	108.257	118.306	110.000	113.186	110.901	111.033	111.176	115.862	114.174	
125	-	-	-	-	125.733	128.046	126.098	126.890	127.556	131.769	129.398	127.803	125.238	128.390	122.634	128.710	128.198	132.180	
140	-	-	-	-	143.985	145.322	138.301	144.542	139.152	142.973	141.920	146.633	139.074	142.060	136.163	142.414	142.362	146.254	
160	-	-	-	-	158.251	158.533	159.874	158.093	159.444	162.178	164.058	160.380	155.125	157.756	151.900	158.148	158.792	162.413	
180	-	-	-	-	174.630	181.546	177.022	173.392	175.389	176.921	181.654	175.901	170.993	175.962	167.1438	176.400	178.029	181.156	
200	-	-	-	-	193.629	199.533	197.028	200.439	204.089	202.722	202.184	203.339	189.597	193.962	185.656	194.414	201.040	203.160	
224	-	-	-	-	228.606	220.185	220.671	221.938	227.382	222.994	226.446	225.149	223.845	215.065	219.192	215.600	226.272	229.355	
250	-	-	-	-	257.753	244.141	249.043	247.020	255.111	259.484	255.560	250.594	252.385	253.914	247.139	254.545	255.201	258.141	
280	-	-	-	-	288.615	288.242	282.219	276.663	288.678	289.100	286.925	280.665	282.605	286.288	276.730	287.000	291.058	291.144	
315	-	-	-	-	305.352	324.993	318.563	312.234	318.889	324.356	320.413	316.751	317.021	320.566	310.431	321.364	308.761	332.052	
355	-	-	-	-	344.112	363.906	351.273	353.827	361.407	367.034	360.951	355.625	336.946	359.606	329.924	380.500	350.069	352.249	
400	-	-	-	-	-	385.010	-	399.393	-	405.444	-	397.131	-	382.207	-	383.158	-	399.375	
450	-	-	-	-	-	433.881	-	440.402	-	459.504	-	447.376	-	-	-	-	-	-	

02 | 齿轮箱

实际传动比
类型 B2..., B3..., B4..
规格 4-20

Gear Units

Actual Ratios
Type B2..., B3..., B4..
Sizes 4-20

实际传动比 i / Actual ratios i																	
i _N	齿轮箱规格 / Gear unit sizes																
	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5.0	4.936	5.006	-	4.865	-	5.002	-	4.897	-	4.967	-	4.963	-				
5.6	5.480	5.488	-	5.333	-	5.483	-	5.534	-	5.613	-	5.609	5.630	5.514			
6.3	6.296	6.386	6.205	6.206	6.135	6.381	6.271	6.296	6.226	6.386	6.156	6.340	6.362	6.234			
7.1	6.959	7.058	6.802	6.860	6.725	7.053	6.875	7.037	7.036	7.138	6.957	7.132	7.192	7.012	7.329		
8.0	7.549	7.657	7.915	7.880	7.825	8.101	8.000	7.994	8.005	8.108	7.915	8.101	8.090	7.965	8.143		
9.0	8.693	8.817	8.749	8.569	8.649	8.810	8.842	8.693	8.947	8.817	8.847	8.810	9.190	8.662	9.250		
10	9.872	10.108	9.490	9.823	9.935	10.099	10.157	9.965	10.164	10.108	10.049	10.099	9.993	9.930	10.059		
11.2	10.769	10.923	10.928	10.615	10.804	10.914	11.045	10.769	11.052	10.923	10.928	10.914	11.456	10.731	11.531		
12.5	12.034	12.703	12.528	12.433	12.385	12.554	12.662	12.334	12.670	12.482	12.528	12.172	12.380	12.770	12.462	12.062	
14	13.484	13.964	13.538	13.515	13.385	14.137	13.683	13.821	13.692	13.721	13.538	13.810	13.832	13.790	14.654	13.709	13.698
16	15.601	15.835	15.826	16.275	15.773	15.952	15.693	15.522	15.888	16.354	15.552	15.215	15.665	16.226	16.014	15.192	15.640
18	17.482	17.407	17.307	17.692	17.041	17.963	17.724	17.393	17.572	17.978	17.007	17.262	17.290	17.522	18.620	17.267	17.252
20	19.614	19.645	19.729	19.948	20.648	20.259	19.940	19.744	19.995	20.276	20.376	19.379	19.581	19.762	20.348	19.667	19.696
22.4	21.919	21.954	21.575	22.146	22.308	22.208	22.520	21.643	22.114	22.226	22.282	21.900	21.982	22.333	22.950	22.158	22.368
25	25.380	25.421	24.349	25.446	25.152	25.843	25.400	25.185	25.103	25.864	25.131	24.916	24.842	25.409	25.936	25.048	25.276
28	27.836	27.881	27.211	28.125	27.923	28.563	27.842	27.836	27.517	28.587	27.548	27.847	28.263	28.398	29.507	28.175	28.576
31.5	30.196	30.245	31.508	30.509	32.084	30.985	32.400	31.975	32.021	32.838	32.057	31.634	31.588	32.259	32.979	32.005	32.143
35.5	34.771	34.827	34.557	35.131	35.461	35.679	35.811	34.771	35.392	35.709	35.432	34.400	35.883	35.080	37.463	34.804	36.513
40	39.487	39.551	37.486	39.896	38.468	40.902	38.846	39.861	40.654	40.936	40.700	39.435	39.021	40.215	40.736	39.899	39.706
45	43.077	43.146	43.166	43.523	44.296	44.202	44.732	43.077	44.209	44.238	44.259	42.617	44.732	43.480	46.702	43.117	45.518
50	49.060	49.139	49.021	49.568	50.304	50.341	51.280	49.060	50.681	50.383	50.737	48.536	48.341	49.496	50.489	49.106	49.190
56	55.152	55.240	53.477	55.723	54.877	56.592	55.417	55.152	54.769	56.639	54.831	54.562	55.055	55.641	57.479	55.203	56.022
63	60.808	60.906	60.904	61.438	62.499	62.396	63.114	60.808	62.376	62.448	62.446	60.158	61.892	61.348	64.616	60.885	62.978
71	69.293	69.404	68.467	70.011	70.259	71.102	70.951	69.293	70.121	71.161	70.200	68.553	68.239	69.909	71.243	69.358	69.438
80	-	77.598	75.489	79.267	77.465	79.497	78.228	80.949	77.313	82.118	77.400	78.131	77.761	76.506	81.184	79.977	79.127
90	-	86.720	86.022	88.585	88.274	88.842	89.143	89.869	88.101	90.016	88.200	85.645	88.626	83.865	88.846	87.670	91.242
100	-	100.413	96.178	102.572	99.945	102.869	99.667	103.259	102.921	104.750	101.780	99.664	97.150	97.593	97.391	102.020	100.017
112	-	110.130	107.484	112.498	111.694	112.824	111.384	114.129	114.262	115.777	111.569	110.155	113.052	107.865	113.333	112.759	116.389
125	-	119.466	124.455	122.035	129.330	122.389	128.971	123.804	131.287	125.592	129.831	126.535	124.952	123.904	125.263	129.526	128.641
140	-	137.567	136.499	140.525	141.846	140.933	141.452	142.562	145.106	144.621	143.498	137.599	143.532	134.739	143.889	140.851	147.769
160	-	156.225	148.071	159.585	153.871	160.047	153.443	161.897	157.408	165.791	155.663	157.741	156.082	154.462	156.471	161.470	160.690
180	-	170.427	170.506	174.092	177.184	174.597	176.692	176.615	181.258	179.166	179.248	170.467	178.930	168.923	179.375	174.496	184.212
200	-	194.098	193.631	198.272	201.215	198.847	200.656	201.145	205.841	204.050	205.487	194.143	193.365	190.107	193.846	198.752	199.073
224	-	218.199	211.234	222.891	219.508	223.537	218.898	226.121	224.554	229.386	222.065	218.249	220.222	213.712	220.769	223.408	226.722
250	-	240.578	240.572	245.752	249.995	246.464	249.300	249.313	255.742	252.913	252.907	240.634	247.566	235.631	248.182	246.322	254.874
280	-	274.147	270.443	280.042	281.036	280.855	280.256	284.101	287.497	288.204	284.310	274.210	272.957	268.510	273.636	280.692	281.015
315	-	302.121	298.181	308.618	309.861	309.513	309.000	313.091	316.984	317.612	313.470	302.191	311.045	295.909	311.818	309.334	320.226
355	-	-	339.788	-	353.097	-	352.116	-	361.214	-	357.210	-	342.784		343.636		352.902
400	-	-	374.460	-	389.127	-	388.046	-	398.073	-	393.660	-	-				

02

齿轮箱

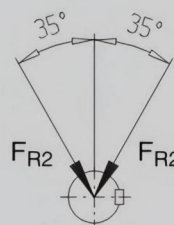
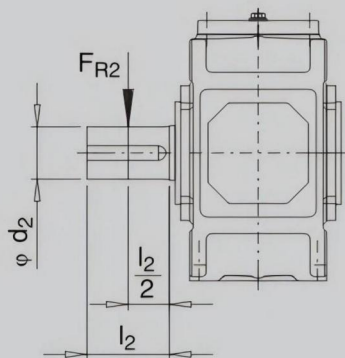
在输出轴 d_2 上允许的
附加径向力¹⁾
实心轴(S)

Gear Units

Permissible Additional Radial
Forces on Output Shaft d_2 ¹⁾
Solid Shaft (S)

作用力在轴伸中部

Application of force on centre of shaft end



允许的作用力方向

Permissible direction of force

表 1 / Table 1

允许的附加径向力 F_{R2} (kN) , 作用在输出轴轴伸中部 ³⁾ Permissible additional radial forces F_{R2} in kN with application of force on centre of shaft end ³⁾																			
类型 Type	布置形式 Design	齿轮箱规格 /Gear unit sizes																	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
H1SH	A / B	2)	-	2)	-	2)	-	2)	-	2)	-	-	-	-	-				
H2S.	A / B / G / H	-	10	22	22	30	30	30	45	64	64	150	150	140	205				
	C / D	-	10	13	13	18	18	10	28	35	35	112	112	85	135				
B2S.	A / C	-	13	27	27	37	37	38	55	78	78	160	160	150	210	210	210		
	B / D	-	12	15	15	17	17	10	30	35	38	110	110	75	145	100	100		
H3S.	A / B / G / H	-	-	29	29	40	40	40	60	85	85	190	190	185	265	265	265		
H4S.	C / D	-	-	-	-														
B3S.	A / C	-	14	29	29														
B4S.	A / C	-	-																
H3S.	C / D	-	-	18	18	26	26	18	40	50	50	150	150	120	185	185	190		
H4S.	A / B	-	-	-	-														
B3S.	B / D	-	9	18	18														
B4S.	B / D	-																	

02

齿轮箱

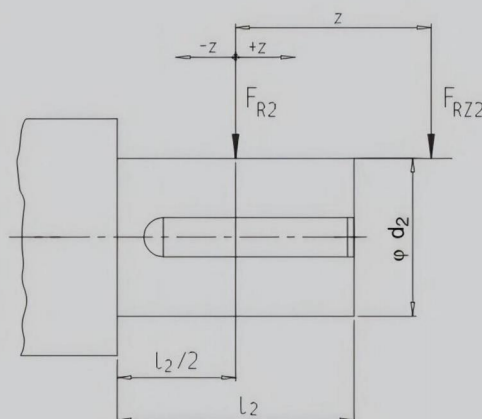
在输出轴 d_2 上允许的
附加径向力¹⁾
实心轴(S)

Gear Units

Permissible Additional Radial
Forces on Output Shaft d_2 ¹⁾
Solid Shaft (S)

作用力不在轴伸中部

Application of force outside the
centre of the shaft end



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

F_{RZ2} 允许的外部径向力
Permissible external radial force

F_{R2} 允许的附加径向力, 根据第 52 页
上的表 1 确定
Permissible additional radial force
acc. to table 1 page 52

k 作用力系数根据下表确定
Factor of application of force acc.
to table

表 2 / Table 2

作用力系数 k / Factor of application of force k															
规格 Size	距离 z , mm / Distance z in mm														
	-200	-150	-100	-75	-50	-25	0	25	50	75	100	150	200	250	300
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

1) 表中数值为最小值, 在 $f_1 \geq 1.2$ 时可以满足要求。
如果给出了力的作用角和旋转方向, 则有可能承受较大的附加力。

2) 请咨询誉煌销售工程师。

3) 当作用力不在轴伸中部时, 请参阅本页表格。

1) Values in tables are minimum values. They are valid for $f_1 \geq 1.2$. If the angle of application of force and the direction of rotation are given, significantly higher additional forces can mostly be allowed.

2) Please consult with FLENDER sales engineer.

3) Please refer to above table when the force is not in the middle of shaft

敬请垂询:

- 输入轴 d_1 上允许的附加径向力。
- 双出轴实心轴上允许的附加径向力
(设计形式 E、F 和 I)。

On request:

- Permissible additional radial forces on input shaft d_1
- Permissible additional radial forces on solid output shafts on both sides (assemblies E, F, and I).

02

齿轮箱

转动惯量 J_1

类型 H1SH, H2..., H3..., H4..

规格 3-20

Gear Units

Mass Moments of Inertia J_1

Types H1SH, H2..., H3..., H4..

Sizes 3-20

转动惯量 J_2 (kgm²) 是指相对于齿轮箱输出轴 d_2 的转动惯量, 可按下列公式计算:

$$J_2 = i_N^2 \times J_1$$

转动惯量 J_1 (kgm²) 是指相对于齿轮箱不带冷却风扇的输入轴 d_1 的转动惯量。

如果输入轴 d_1 带有冷却风扇, 则应加上 J_L 。

齿轮箱带法兰轴的情形, 请咨询誉煌销售工程师。

The mass moment of inertia J_2 in kgm² refers to the output shaft d_2 of a gear unit and is calculated with the following formula: $J_2 = i_N^2 \times J_1$

The mass moment of inertia J_1 in kgm² refers to the input shaft d_1 of a gear unit without fan.

For shaft d_1 with fan, J_L has to be added.

Please consult with FLENDER sales engineer if flanged shaft required.

转动惯量 J_1 (kgm ²) 是指相对于齿轮箱输入轴 d_1 的转动惯量 / Mass moments of inertia J_1 in kgm ² referring to shaft d_1																				
i_N	齿轮箱规格 / Gear unit sizes																			
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
1.25	0.02855	-	0.15709	-	0.42300	-	0.92932	-	-	-	-	-	-	-	-	-	-	-	-	
1.4	0.02589	-	0.14349	-	0.38558	-	0.84322	-	-	-	-	-	-	-	-	-	-	-	-	
1.6	0.02243	-	0.12352	-	0.33519	-	0.72861	-	1.74977	-	3.74077	-	-	-	-	-	-	-	-	
1.8	0.01974	-	0.10903	-	0.30515	-	0.66019	-	1.58798	-	3.22057	-	-	-	-	-	-	-	-	
2.0	0.01820	-	0.09932	-	0.27747	-	0.59704	-	1.43757	-	2.90582	-	6.86903	-	11.68172	-	21.86950	-	-	
2.24	0.01677	-	0.09029	-	0.23964	-	0.53840	-	1.29698	-	2.61258	-	6.15225	-	10.37670	-	18.85867	-	-	
2.5	0.01479	-	0.08187	-	0.21652	-	0.48366	-	1.16495	-	2.33813	-	5.52442	-	9.40145	-	16.67579	-	-	
2.8	0.01347	-	0.07398	-	0.20156	-	0.44378	-	1.04055	-	2.08042	-	4.95982	-	8.44258	-	14.80399	-	-	
3.15	0.00915	-	0.05006	-	0.14031	-	0.31089	-	0.84211	-	1.67273	-	3.91162	-	6.72168	-	11.98945	-	-	
3.55	0.00807	-	0.04369	-	0.12256	-	0.27320	-	0.73595	-	1.47399	-	3.40847	-	5.86401	-	11.14244	-	-	
4.0	0.00702	-	0.03797	-	0.10584	-	0.23756	-	0.64640	-	1.28613	-	2.93214	-	5.05491	-	9.52270	-	-	
4.5	0.00522	-	0.02975	-	0.08623	-	0.19980	-	0.49550	-	0.96567	-	2.30300	-	4.00905	-	7.87489	-	-	
5.0	0.00451	-	0.02756	-	0.07492	-	0.17089	-	0.40618	-	0.89360	-	1.96108	-	3.55977	-	5.66044	-	-	
5.6	0.00384	-	0.02332	-	0.06407	-	0.14114	-	0.37471	-	0.75803	-	1.65759	-	3.01064	-	5.50473	-	-	
J_1	0.060	-	0.045	-	0.100	-	0.100	-	0.290	-	0.290	-	0.690	-	0.690	-	0.690	-	-	
6.3	-	0.01493	0.03380	-	0.09209	-	0.20124	-	0.52103	-	1.10195	-	2.69450	-	5.30249	-	10.62028	-	-	
7.1	-	0.01340	0.02812	-	0.07563	-	0.16652	-	0.45488	-	0.95997	-	2.36587	2.93445	4.38152	5.79425	9.32889	11.42554	-	
8.0	-	0.01138	0.02503	0.03969	0.06630	0.11062	0.14592	0.23956	0.39684	0.63968	0.83523	1.28897	2.07496	2.56276	3.85101	4.74843	8.17656	9.98629	-	
9.0	-	0.01020	0.02227	0.03260	0.05805	0.08946	0.12771	0.19511	0.32236	0.55211	0.72509	1.11239	1.81611	2.23558	3.37587	4.15070	7.14706	8.70419	-	
10	-	0.00860	0.01857	0.02877	0.05058	0.07759	0.11102	0.16927	0.27967	0.47606	0.62735	0.95870	1.58473	1.94622	2.94834	3.61890	8.27857	7.57118	-	
11.2	-	0.00757	0.01619	0.02538	0.04457	0.06721	0.09506	0.14665	0.25168	0.37982	0.55925	0.82433	1.37708	1.68919	2.56218	3.14368	5.52433	6.62132	-	
12.5	-	0.00527	0.01187	0.02089	0.03379	0.05794	0.07209	0.12624	0.19234	0.32553	0.42550	0.70636	1.14218	1.46006	2.04515	2.71748	4.44852	5.80139	-	
14	-	0.00453	0.01013	0.01809	0.02691	0.05063	0.06102	0.10716	0.16348	0.29072	0.36723	0.62499	0.97937	1.20991	1.76837	2.16588	3.81731	4.67000	-	
16	-	0.00384	0.00853	0.01340	0.02264	0.03872	0.05133	0.08159	0.13633	0.22357	0.31417	0.47348	0.82110	1.03247	1.51448	1.86457	3.23981	3.99197	-	
18	-	0.00320	0.00758	0.01136	0.02005	0.03044	0.04385	0.06852	0.12189	0.18813	0.28054	0.40553	0.68720	0.86324	1.21881	1.59010	2.59172	3.37528	-	
20	-	0.00276	0.00649	0.00949	0.01712	0.02542	0.04039	0.05722	0.10460	0.15546	0.23699	0.34428	0.56007	0.72007	1.10345	1.27695	2.24548	2.69238	-	
22.4	-	0.00230	0.00550	0.00834	0.01578	0.02227	0.03414	0.04838	0.08840	0.13769	-	0.30627	-	0.58429	1.15512	-	2.32662	-	-	
25	-	-	-	0.00710	-	0.01888	-	0.04442	-	0.11733	-	0.25717	-	-	-	-	-	-	-	
28	-	-	-	0.00598	-	0.01734	-	0.03728	-	0.09842	-	-	-	-	-	-	-	-	-	
J_1	-	0.006	0.010	0.010	0.045	0.045	0.045	0.045	0.100	0.100	0.290	0.290	0.290	0.290	0.690	0.690	0.690	0.690	-	
22.4	-	-	-	-	-	-	-	-	-	-	-	0.28093	-	0.74161	-	0.81650	-	1.65788	-	
25	-	-	0.00645	-	0.01629	-	0.03910	-	0.10272	-	0.22706	-	0.60098	0.76346	0.65739	0.85893	1.32246	1.72711	-	
28	-	-	0.00536	-	0.01447	-	0.03237	-	0.08333	-	0.18629	0.29678	0.52263	0.61732	0.56883	0.68913	1.15173	1.38384	-	
31.5	-	-	0.00474	0.00682	0.01209	0.01734	0.02874	0.04142	0.07242	0.11030	0.16244	0.23899	0.45433	0.53601	0.49253	0.59483	0.99457	1.19361	-	
35.5	-	-	0.00418	0.00565	0.01070	0.01536	0.02550	0.03413	0.06284	0.08898	0.14149	0.19520	0.36744	0.46523	0.39559	0.51371	0.65736	1.02856	-	
40	-	-	0.00343	0.00498	0.00888	0.01278	0.02129	0.03021	0.05440	0.07704	0.12303	0.16971	0.31814	0.37536	0.34093	0.41097	0.73692	0.88457	-	
45	-	-	0.00301	0.00438	0.00782	0.01129	0.01874	0.02673	0.04799	0.06659	0.10672	0.14739	0.28778	0.32445	0.30742	0.35319	0.65396	0.75883	-	
50	-	-	0.00228	0.00358	0.00570	0.00933	0.01359	0.02221	0.03603	0.05741	0.07610	0.12778	0.21066	0.29316	0.22462	0.31786	0.46753	0.67202	-	
56	-	-	0.00194	0.00313	0.00487	0.00819	0.01162	0.01949	0.02835	0.05047	0.06432	0.11049	0.17805	0.21496	0.18897	0.23297	0.39642	0.48071	-	
63	-	-	0.00163	0.00238	0.00413	0.00597	0.00982	0.01419	0.02386	0.03805	0.05428	0.07906	0.14889	0.18145	0.15726	0.19556	0.33619	0.40895	-	
71	-	-	0.00123	0.00202	0.00324	0.00509	0.00738	0.01210	0.01900	0.02979	0.04221	0.06666	0.12167	0.15152	0.13362	0.16237	0.28899	0.34441	-	
80	-	-	0.00102	0.00169	0.00278	0.00430	0.00624	0.01020	0.01595	0.02500	0.03866	0.05611	0.10341	0.12385	0.11392	0.13785	0.24206	0.29606	-	
90	-	-	0.00088	0.00128	0.00229	0.00337	0.00520	0.00768	0.01453	0.01991	0.03176	0.04362	0.08646	0.10516	0.09573	0.11733	0.19751	0.24759	-	
100	-	-	-	0.00106	-	0.00289	-	0.00648	-	0.01667	-	0.03992	-	0.08784	-	0.09841	-	0.20171	-	
112	-	-	-	0.00091	-	0.00238	-	0.00539	-	0.01517	-	0.03274	-	-	-	-	-	-	-	
J_1	-	-	0.006	0.006	0.010	0.010	0.020	0.020	0.045	0.045	0.045	0.045	0.100	0.100	0.100	0.100	-	-	-	
100	-	-	-	-	0.00328	-	0.00667	-	0.01753	-	0.03962	-	0.10814	-	-	0.11315	-	0.23894	-	
112	-	-	-	-	0.00274	-	0.00552	-	0.01560	-	0.03254	-	0.08764	-	0.10910	0.09173	0.11518	0.19488	0.24222	
125	-	-	-	-	0.00243	0.00334	0.00486	0.00683	0.01310	0.01796	0.02873	0.04034	0.07613	0.08829	0.07972	0.09324	0.16925	0.19732	-	
140	-	-	-	-	0.00202	0.00279	0.00428	0.00564	0.01164	0.01597	0.02534	0.03309	0.06605	0.07672	0.06922	0.08096	0.14680	0.17125	-	
160	-	-	-	-	0.00176	0.00247	0.00348	0.00496	0.00970	0.01338	0.02087	0.02919	0.05704	0.06652	0.06986	0.07022	0.12654	0.14842	-	
180	-	-	-	-	0.00153	0.00205	0.00300	0.00436	0.00848	0.01188	0.01806	0.02572	0.04990	0.05742	0.05247	0.06086	0.10759	0.12785	-	
200	-	-	-	-	0.00124	0.00178	0.00230	0.00354	0.00595	0.00988	0.01339	0.02115	0.03803	0.05022	0.03937	0.05313	0.06150	0.10852	-	
224	-	-	-	-	0.00097	0.00155	0.00195	0.00305	0.00508	0.00863	0.01135	0.01829	0.02994	0.03828	0.03102	0.03991	0.06851	0.08231	-	
250	-	-	-	-	0.00081	0.00126	0.00163	0.00234	0.00428	0.00606	0.00948	0.01358	0.02503	0.03013	0.02596	0.03140	0.05728	0.06915	-	
280	-	-	-	-	0.00065	0.00098	0.00134	0.00199	0.00354	0.00517	0.00794	0.01150	0.02100	0.02517	0.02181	0.02636	0.04877	0.05779	-	
315	-	-	-	-	0.00060	0.00082	0.00112	0.00165	0.00304	0.00435	0.00670	0.00960	0.01768	0.02111	0.01840	0.02206	0.04283	0.04715	-	
355	-	-	-	-	0.00050	0.00066	0.00097	0.00136	0.00252	0.00360	0.00559	0.00803	0.01616	0.01777	0.01685	0.01859	0.03572	0.04318	-	
400	-	-	-	-	0.00060	-	0.00114	-	0.00252	-	0.00309	-	0.00678	-	0.01625	-	0.01702	-	0.03599	
450	-	-	-	-	0.00050	-	0.00098	-	0.00256	-	0.00356	-	0.00565	-	-	-	-	-	-	

02

齿轮箱

转动惯量 J_1

类型 B2.., B3.., B4..

规格 4-20

Gear Units

Mass Moments of Inertia J_1

Types B2.., B3.., B4..

Sizes 4-20

转动惯量 J_2 (kgm²) 是指相对于齿轮箱输出轴 d_2 的转动惯量, 可按下列公式计算:

$$J_2 = i_N^2 \times J_1$$

转动惯量 J_1 (kgm²) 是指相对于齿轮箱不带冷却风扇的输入轴 d_1 的转动惯量。

如果输入轴 d_1 带有冷却风扇, 则应加上 J_L 。

齿轮箱带法兰轴的情形, 请咨询誉煌销售工程师。

The mass moment of inertia J_2 in kgm² refers to the output shaft d_2 of a gear unit and is calculated with the following formula: $J_2 = i_N^2 \times J_1$

The mass moment of inertia J_1 in kgm² refers to the input shaft d_1 of a gear unit without fan.

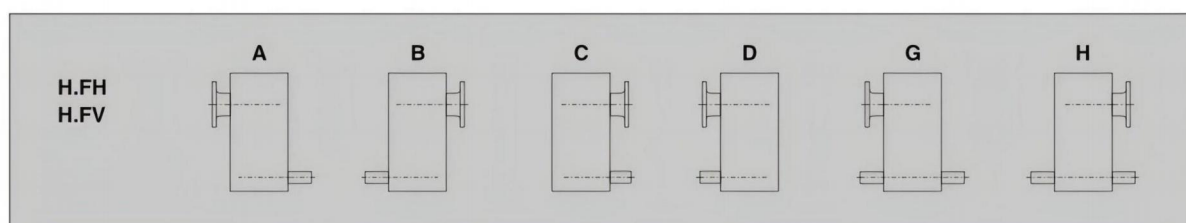
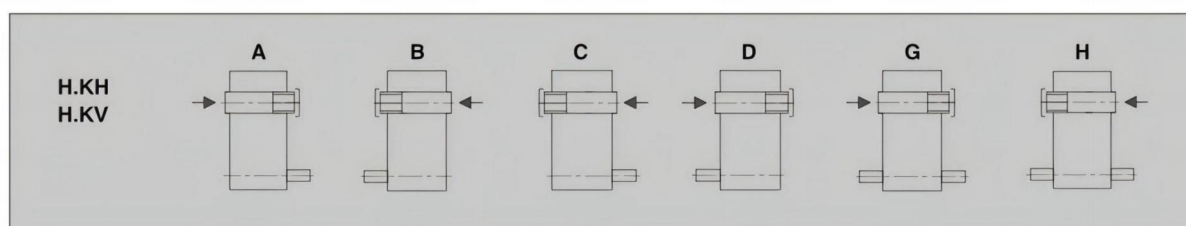
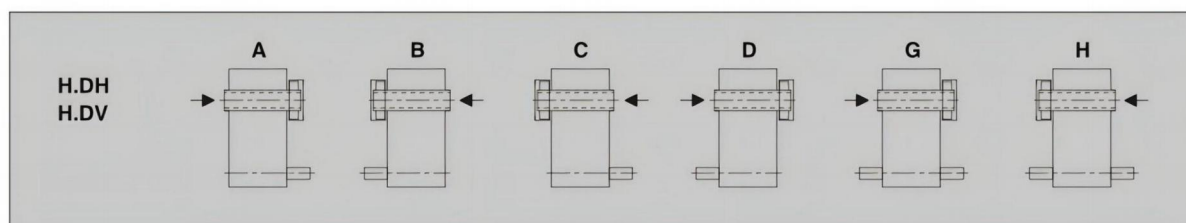
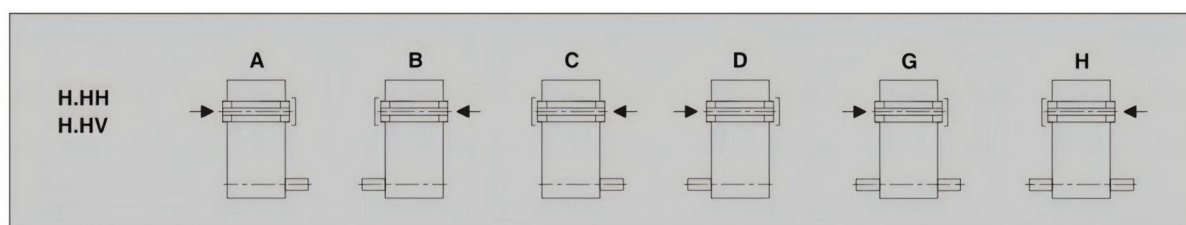
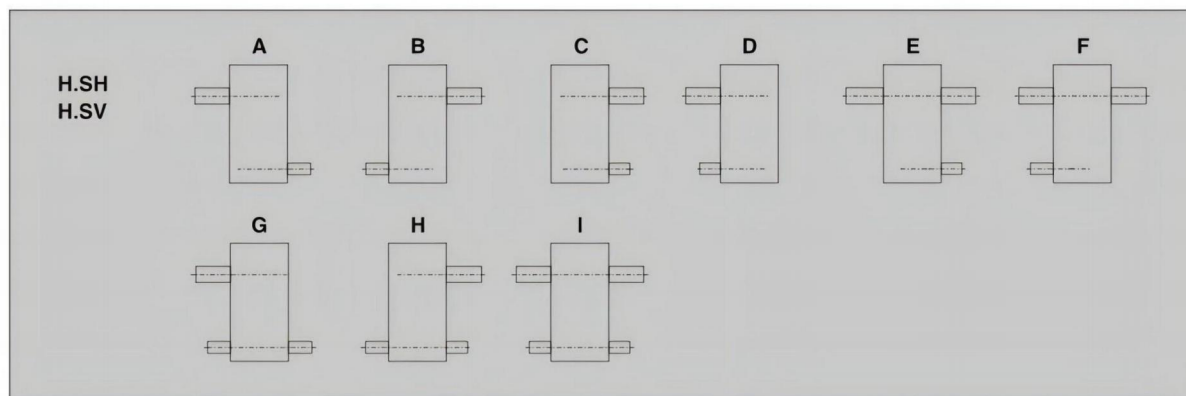
For shaft d_1 with fan, J_L has to be added.

Please consult with FLENDER sales engineer if flanged shaft required.

转动惯量 J ₁ (kgm ²) 是指相对于齿轮箱输入轴 d ₁ 的转动惯量 / Mass moments of inertia J ₁ in kgm ² referring to shaft d ₁																	
i _N	/ Gear unit sizes																
	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5.0	0.03211	0.07501	-	0.20154	-	0.44627	-	1.29058	-	2.79496	-	6.25795	-	-	-	-	-
5.6	0.03024	0.06915	-	0.17137	-	0.37934	-	1.08250	-	2.36141	-	5.40648	6.66577	10.37011	-	-	-
6.3	0.02673	0.05791	0.08406	0.13819	0.23057	0.30248	0.50622	0.85265	1.48203	1.86785	3.10156	4.49760	5.72660	8.58657	-	-	-
7.1	0.02249	0.04955	0.07668	0.11905	0.19554	0.25734	0.42923	0.73360	1.23242	1.63448	2.60149	3.77001	4.74810	7.14219	9.05416	-	-
8.0	0.01814	0.03799	0.06347	0.08858	0.15603	0.18973	0.33932	0.53110	0.96847	1.18384	2.05333	2.78214	3.95800	5.01824	7.51989	-	-
9.0	0.01486	0.03115	0.05410	0.07952	0.13365	0.17287	0.28749	0.48051	0.82632	1.06973	1.78297	2.53133	2.93557	4.52494	5.31094	-	-
10	0.01037	0.02538	0.04185	0.06883	0.09965	0.14614	0.21259	0.41113	0.60295	0.92751	1.2989	2.16711	2.68107	3.85877	4.77245	-	-
11.2	0.00931	0.02176	0.03406	0.05956	0.08888	0.12482	0.19220	0.35269	0.54127	0.80120	1.16704	1.81377	2.26854	3.3205	4.04511	-	-
12.5	-	-	0.02760	-	0.07596	-	0.16085	-	0.45737	-	1.00155	-	1.89831	-	3.48202	-	-
14	-	-	0.02366	-	0.06566	-	0.13741	-	0.39227	-	0.88460	-	-	-	-	-	-
J _L	0.020	0.045	0.045	0.100	0.100	0.100	0.100	0.290	0.290	0.690	0.690	0.690	0.690	0.690	0.690	-	-
12.5	0.00756	0.01615	-	0.04549	-	0.10285	-	0.27616	-	0.61844	-	1.69718	-	3.48560	-	7.6896	-
14	0.00734	0.01575	-	0.04455	-	0.09999	-	0.26878	-	0.60537	-	1.65740	1.76004	3.44624	3.60423	7.7305	8.0659
16	0.00623	0.01371	0.01750	0.03768	0.04966	0.08727	0.11205	0.23571	0.30357	0.51600	0.66451	1.48103	1.70973	3.06690	3.54418	6.9989	7.8400
18	0.00610	0.01346	0.01695	0.03713	0.04831	0.08550	0.10750	0.23105	0.29302	0.50838	0.64618	1.45557	1.52126	3.04252	3.14038	6.6398	6.9560
20	0.00569	0.01248	0.01458	0.03464	0.04011	0.07999	0.09297	0.21547	0.25301	0.47566	0.54284	1.37309	1.48906	2.88266	3.10318	6.37936	6.8399
22.4	0.00527	0.01157	0.01422	0.03229	0.03933	0.07329	0.09015	0.18297	0.24635	0.40380	0.53216	1.14711	1.39966	2.43009	2.93035	5.50155	6.46478
25	0.00456	0.01073	0.01308	0.02828	0.03637	0.06097	0.08364	0.14675	0.22734	0.32054	0.49435	0.90256	1.16792	1.92090	2.46743	4.57199	5.56843
28	0.00394	0.00881	0.01206	0.02376	0.03369	0.05206	0.07633	0.12605	0.19285	0.27212	0.41936	0.77356	0.91864	1.67695	1.94976	3.82881	4.62433
31.5	0.00335	0.00730	0.01109	0.01922	0.02934	0.04011	0.06322	0.09389	0.15405	0.20094	0.33203	0.56206	0.78643	1.21675	1.70005	2.82771	3.87017
35.5	0.00271	0.00586	0.00911	0.01568	0.02463	0.03275	0.05390	0.08401	0.13203	0.18235	0.28152	0.50670	0.57204	1.09757	1.23465	2.56989	2.85976
40	0.00190	0.00416	0.00755	0.01100	0.01996	0.02660	0.04188	0.07225	0.09842	0.15335	0.20806	0.43106	0.51513	0.94859	1.11270	2.19643	2.59697
45	0.00177	0.00393	0.00605	0.00984	0.01624	0.02280	0.03393	0.06249	0.08784	0.13099	0.18837	0.36975	0.43748	0.84933	0.96021	1.83887	2.21706
50	0.00129	0.00301	0.00431	0.00812	0.01143	0.01784	0.02750	0.04683	0.07516	0.10268	0.15794	0.27673	0.37524	0.57171	0.82919	1.40288	1.85654
56	0.00105	0.00248	0.00405	0.00682	0.01020	0.01462	0.02357	0.03850	0.06498	0.08549	0.13492	0.22863	0.28096	0.46952	0.57931	1.14615	1.41650
63	0.00087	0.00207	0.00310	0.00589	0.00840	0.01242	0.01844	0.03265	0.04876	0.07262	0.10571	0.19582	0.23198	0.40563	0.47553	1.01477	1.15893
71	0.00067	0.00157	0.00256	0.00467	0.00705	0.00997	0.01509	0.02622	0.04002	0.05866	0.08789	0.15881	0.19858	0.33347	0.41058	0.84854	1.05364
80	-	-	0.00213	-	0.00607	-	0.01280	-	0.03390	-	0.07459	-	0.16093	-	0.33728	-	0.85337
90	-	-	0.00162	-	0.00481	-	0.01027	-	0.02719	-	0.06017	-	-	-	-	-	-
J _L	0.006	0.010	0.010	0.020	0.020	0.045	0.045	0.100	0.100	0.290	0.290	0.290	0.290	0.690	0.690	0.690	0.690
80	-	0.00240	-	0.00589	-	0.01293	-	0.03573	-	0.08226	-	0.22213	-	0.22783	-	0.49622	-
90	-	0.00227	-	0.00543	-	0.01193	-	0.03317	-	0.07518	-	0.18851	0.22377	0.19328	0.23101	0.42091	0.50136
100	-	0.00200	0.00244	0.00468	0.00600	0.01100	0.01317	0.02895	0.03644	0.06237	0.08339	0.15085	0.18988	0.15435	0.19590	0.33318	0.42519
112	-	0.00176	0.00230	0.00404	0.00551	0.00903	0.01212	0.02431	0.03375	0.05320	0.07613	0.12941	0.15185	0.13227	0.15630	0.28247	0.33633
125	-	0.00145	0.00202	0.00344	0.00474	0.00749	0.01114	0.01969	0.02939	0.04108	0.06307	0.09644	0.13023	0.09861	0.13381	0.20878	0.28506
140	-	0.00117	0.00178	0.00278	0.00409	0.00600	0.00915	0.01603	0.02467	0.03348	0.05377	0.08616	0.09706	0.08799	0.09982	0.18898	0.21073
160	-	0.00091	0.00147	0.00195	0.00348	0.00427	0.00759	0.01127	0.01999	0.02716	0.04157	0.07389	0.08669	0.07528	0.08902	0.15840	0.19063
180	-	0.00085	0.00118	0.00181	0.00281	0.00402	0.00608	0.01007	0.01626	0.02328	0.03385	0.06389	0.07429	0.06509	0.07606	0.13531	0.15966
200	-	0.00058	0.00092	0.00132	0.00198	0.00308	0.00433	0.00830	0.01145	0.01821	0.02744	0.04791	0.06423	0.04883	0.06575	0.10801	0.13639
224	-	0.00047	0.00086	0.00108	0.00183	0.00254	0.00407	0.00696	0.01021	0.01491	0.02352	0.03935	0.04818	0.04008	0.04935	0.08813	0.10684
250	-	0.00043	0.00058	0.00090	0.00134	0.00211	0.00312	0.00600	0.00841	0.01266	0.01840	0.03335	0.03956	0.03395	0.04049	0.07479	0.08879
280	-	0.00033	0.00047	0.00069	0.00109	0.00160	0.00257	0.00476	0.00705	0.01016	0.01506	0.02676	0.03353	0.02723	0.03429	0.08032	0.07533
315	-	0.00028	0.00043	0.00058	0.00091	0.00136	0.00214	0.00405	0.00608	0.00812	0.01278	0.02169	0.02690	0.02207	0.02748	0.04934	0.08074
355	-	-	0.00034	-	0.00070	-	0.00162	-	0.00482	-	0.01025	-	0.02180	-	0.02228	-	0.04968
400	-	-	0.00028	-	0.00059	-	0.00138	-	0.00409	-	0.00820	-	-	-	-	-	-

02 | 齿轮箱 布置形式

Gear Units Assemblies



➔ 箭头表示工作机驱动轴插入方向

The arrow indicates the direction of insertion of the driven machine shaft

02

齿轮箱

布置形式

安装侧

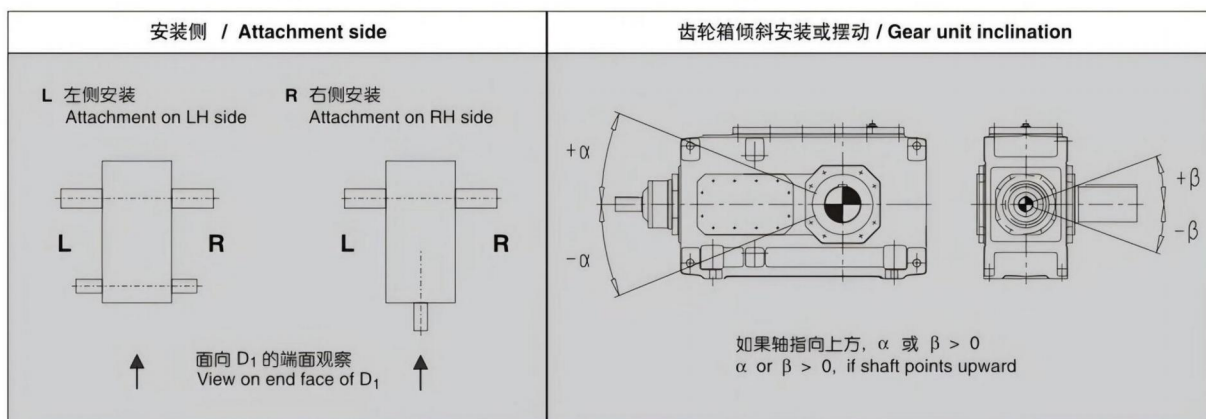
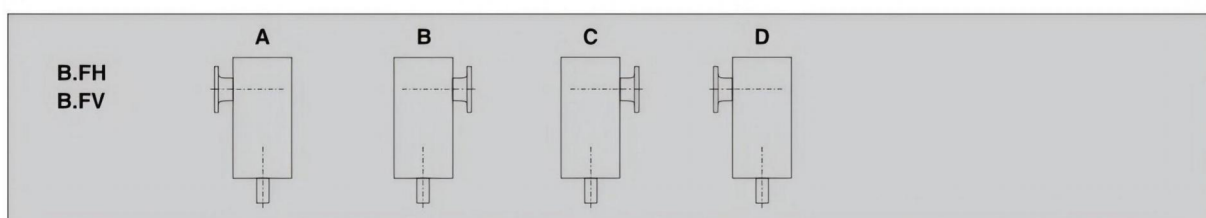
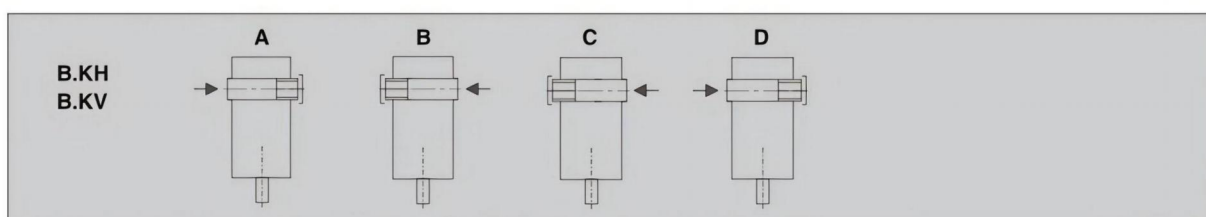
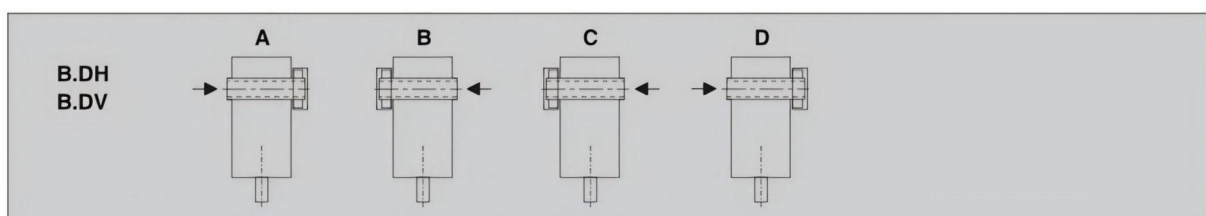
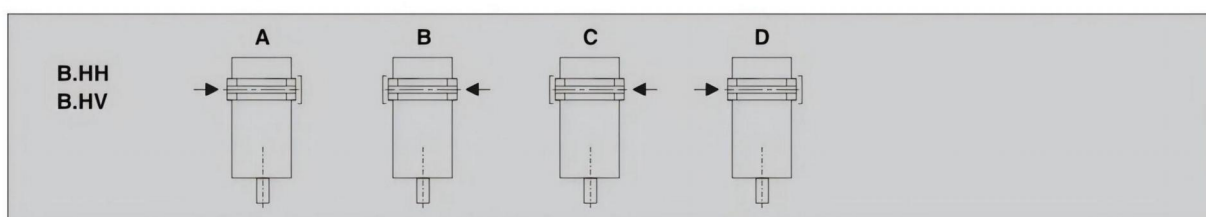
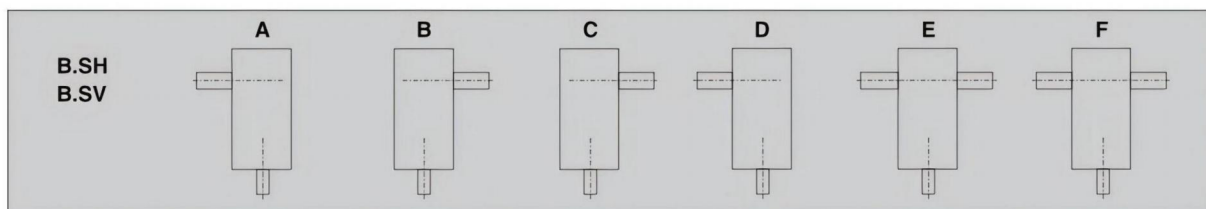
齿轮箱倾斜安装或摆动

Gear Units

Assemblies

Attachment Side

Gear Unit Inclination



03

齿轮箱

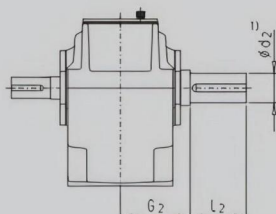
单级传动
卧式安装
类型 H1SH
规格 3-11

Gear Units

Single Stage
Horizontal
Type H1SH
Sizes 3-11

输出轴 / Output

H1SH
实心轴
Solid shaft

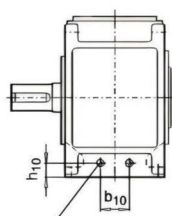


规格 Size	H1SH		
	d_2	l_2	G_2
3	60	125	170
5	85	160	210
7	105	200	250
9	125	210	270
11	150	240	320

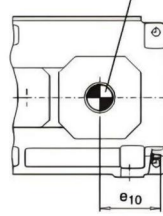
规格 Size	润滑油量 Oil quantity (L) ^{x)}		重量 Weight (kg) ^{x), **)}
	轴封 Shaft seal	迷宫式密封 Labyrinth seal	
3	7	5.2	128
5	22	18	302
7	42	34	547
9	68	57	862
11	120	100	1515

冷却盘管 / Cooling coil

输出轴 / Output



冷却盘管接口尺寸 G1/2"
Water connection for
cooling coil G1/2"



冷却盘管适用于淡水，海水和稍有咸味的水
Cooling coil suitable for fresh, sea and brackish water

规格 Size	b_{10}	e_{10}	h_{10}	$x)$ L/min
3	48	205	74	4
5	88	270	90	4
7	124	310	135	4
9	116	365	110	8
11	146	425	130	8

x) 所需冷却水量；冷却水压最大值：8 巴
Cooling water quantity required; max. cooling water pressure: 8 bar

尺寸以 mm 为单位

1) 轴:

- $m_6 \leq \varnothing 100$; $n_6 > \varnothing 100$
- 平键槽按照 DIN 6885/1
轮毂键槽宽度按照 ISO Js9
- 平键按照 DIN 6885/1 B
- 有关细节见第 94 - 103 页:

2) 在安装地脚螺栓前应先拆下风罩罩。

*) 参考值：准确的数据应根据与合同相关的文件确定。
轴封见第 105 - 107 页

**) 未注油时

Dimensions in mm

1) Shafts:

- $m_6 \leq \varnothing 100$; $n_6 > \varnothing 100$
- Keyway acc. to DIN 6885/1
Hub keyway width acc. to ISO Js9
- Parallel key acc. to DIN 6885/1 form B
- For details, see pages 94 - 103

2) Remove air guide cover before fitting the foundation bolts.

*) Approximate values; exact data acc. to order-related documentation.
For shaft seals, see pages 105 - 107

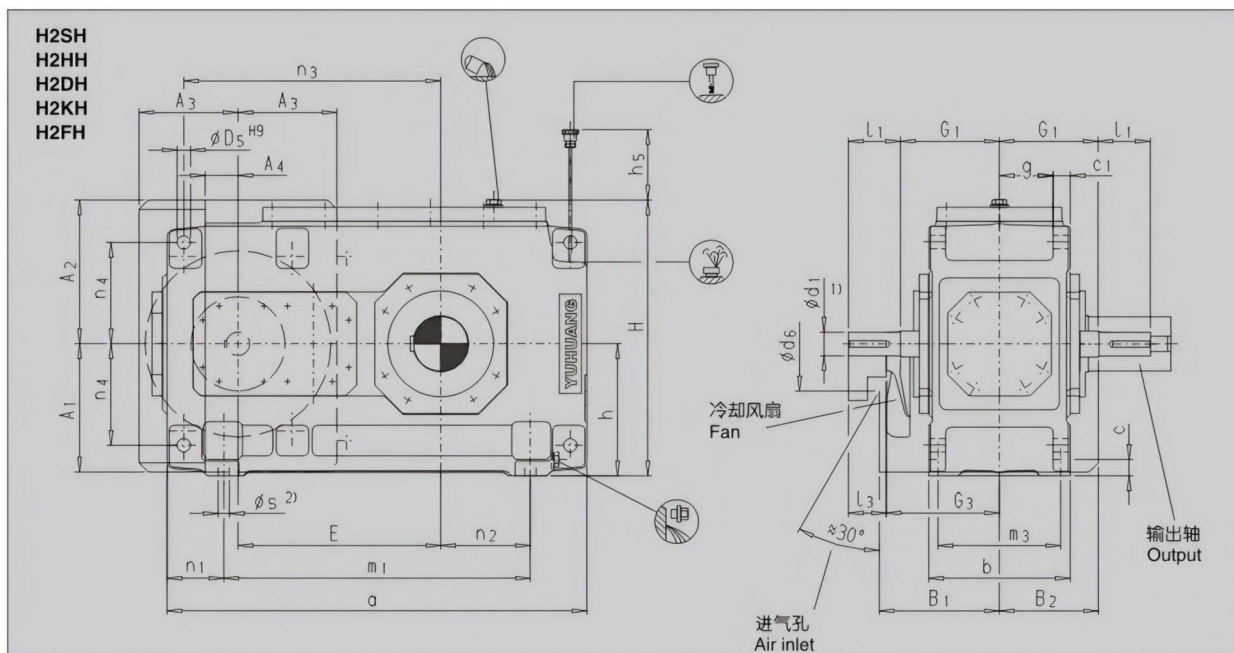
**) Without oil filling

03 | 齿轮箱

两级传动
卧式安装
类型 H2.H
规格 3-12

Gear Units

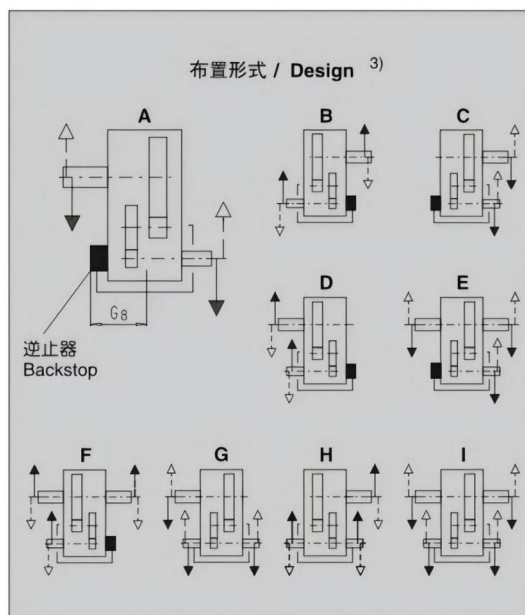
Two Stage
Horizontal
Type H2.H
Sizes 3-12



规格 Size	输入轴 / Input								3) 布置形式 / Design G, H, I 仅用于 / only for		冷却风扇 / Fan						
	$i_N = 6.3-11.2$			$i_N = 12.5-22.4$													
	$i_N = 8-14$			$i_N = 16-28$													
	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3	$i_N =$	A_1	A_2	A_3	A_4	B_1	B_2	d_6	
3	35	60	-	28	50	-	135	-	6.3-18	-	-	-	-	-	-	-	
4	45	100	80	32	80	60	170	190	6.3-18	-	195	225	150	30	205	158	136
5 +6	50	100	80	38	80	60	195	215	6.3-18	8-22.4	225	260	175	55	230	178	150
7 +8	60	135	105	50	110	80	210	240	6.3-16	8-20	272	305	210	70	255	210	200
9 +10	75	140	110	60	140	110	240	270	6.3-16	8-20	312	355	240	100	285	245	200
11 +12	90	165	130	70	140	105	275	310	6.3-18	8-22.4	372	420	285	135	325	285	210

规格 Size	齿轮箱 / Gear units									
	b	c	c_1	D_5	g	h_1	m_3	n_1	n_4	s
3	190	22	24	18	71	175	160	80	132.5	15
4	215	28	30	24	77.5	200	180	105	150	19
5 +6	255	28	30	24	97.5	230	220	105	180	19
7 +8	300	35	36	28	114	280	260	120	215	24
9 +10	370	40	45	36	140	320	320	145	245	28
11 +12	430	50	54	40	161	380	370	165	300	35

规格 Size	齿轮箱 / Gear units							逆止器 Backstop G_8 +)
	a	E	h_5	H	m_1	n_2	n_3	
3	450	220	100	390	290	65	285	-
4	565	270	110	415	355	85	345	207
5	640	315	150	482	430	100	405	253
6	720	350	150	482	510	145	440	253
7	785	385	190	572	545	130	500	280
8	890	430	190	582	650	190	545	280
9	925	450	205	662	635	155	585	331
10	1025	500	215	662	735	205	635	331
11	1105	545	250	782	775	180	710	392
12	1260	615	250	790	930	265	780	392



+) 最大尺寸：细节应根据与合同相关的文件确定。

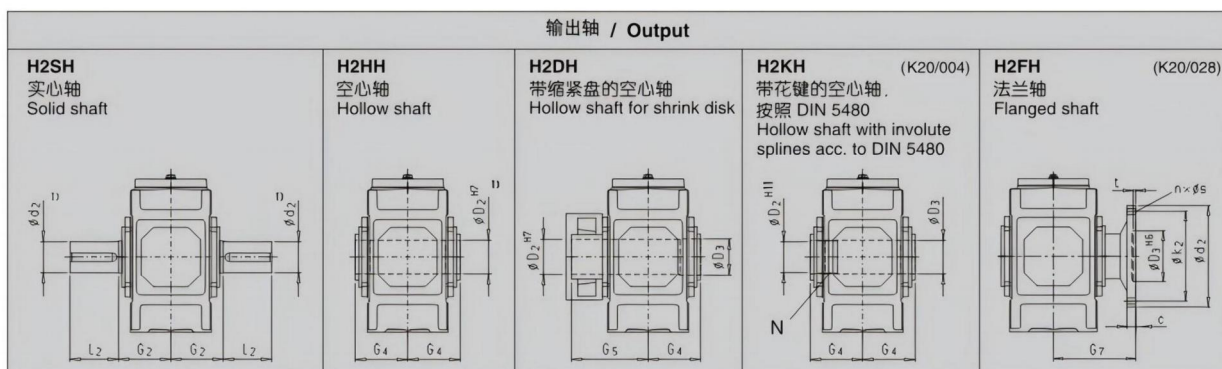
+) Max. dimensions; details acc. to order-related documentation.

03 | 齿轮箱

两级传动
卧式安装
类型 H2.H
规格 3-12

Gear Units

Two Stage
Horizontal
Type H2.H
Sizes 3-12



规格 Size	H2SH			H2HH		H2DH				H2KH				H2FH						
	d ₂	l ₂	G ₂	D ₂	G ₄	D ₂	D ₃	G ₄	G ₅	N / DIN 5480	D ₂	D ₃	G ₄	c	d ₂	D ₃	k ₂	n x s	t	G ₇
3	65	140	125	65	125	70	70	125	180	-	-	-	-	-	-	-	-	-	-	-
4	80	170	140	80	140	85	85	140	205	-	-	-	-	-	-	-	-	-	-	-
5	100	210	165	95	165	100	100	165	240	N 95x3x30x30x9H	89	100	165	25	300	150	260	16x22	10	255
6	110	210	165	105	165	110	110	165	240	N 95x3x30x30x9H	89	110	165	25	320	160	280	18x22	10	255
7	120	210	195	115	195	120	120	195	280	N120x3x30x38x9H	114	120	195	30	370	180	320	16x26	10	300
8	130	250	195	125	195	130	130	195	285	N120x3x30x38x9H	114	130	195	30	390	190	340	18x26	10	300
9	140	250	235	135	235	140	145	235	330	N140x3x30x45x9H	134	145	235	38	430	220	380	20x26	12	350
10	160	300	235	150	235	150	155	235	350	N140x3x30x45x9H	134	155	235	38	470	240	420	22x26	12	350
11	170	300	270	165	270	165	170	270	400	N170x5x30x32x9H	160	170	270	42	510	260	450	18x33	12	400
12	180	300	270	180	270	180	185	270	405	N170x5x30x32x9H	160	185	270	42	540	280	480	22x33	12	400

规格 Size	润滑油量 Oil quantity(L) ^{*)}		重量 / Weight (kg) ^{*)} ^{**)}		冷却盘管 / Cooling coil 输出轴 / Output	规格 Size	b ₁₀	e ₁₀	h ₁₀	x) L / min
	轴封 Shaft seal	迷宫式密封 Labyrinth seal	H2SH H2HH H2DH H2KH	H2FH						
3	6	5	115	-	 冷却盘管接口尺寸 G1/2" Water connection for cooling coil G1/2" 冷却盘管适用于淡水，海水和稍有咸味的水 Cooling coil suitable for fresh, sea and brackish water	3	30	140	40	4
4	10	7	190	-		4	34	155	60	4
5	15	11	300	335		5	68	170	64	4
6	16	12	355	395		6	70	215	68	4
7	27	21	505	555		7	100	210	83	4
8	30	23	590	645		8	100	270	83	4
9	42	33	830	915		9	140	245	110	8
10	45	34	960	1050		10	100	295	95	8
11	71	58	1335	1465		11	110	275	95	8
12	76	60	1615	1755		12	200	360	109	8

x) 所需冷却水量；冷却水压最大值：8 巴
Cooling water quantity required; max. cooling water pressure: 8 bar

尺寸以 mm 为单位

1) 轴:

- m_e ≤ Ø100; n_e > Ø100
- 平键槽按照 DIN 6885/1
轮毂键槽宽度按照 ISO Js9
- 平键按照 DIN 6885/1 B
- 有关细节见第 94 - 103 页:

2) 在安装地脚螺栓前应先拆下风罩。

3) 方案:

- 逆止器不能与布置形式 G、H 和 I 组合。
- * 参考值：准确的数据应根据与合同相关的文件确定。

轴封见第 105 - 107 页

**) 未注油时

Dimensions in mm

1) Shafts:

- m_e ≤ Ø100; n_e > Ø100
- Keyway acc. to DIN 6885/1
Hub keyway width acc. to ISO JS9
- Parallel key acc. to DIN 6885/1 form B
- For details, see pages 94 - 103

2) Remove air guide cover before fitting the foundation bolts.

3) Variants:

- Backstop not possible with G, H and I designs.

*) Approximate values; exact data acc. to order-related documentation.
For shaft seals, see pages 105 - 107

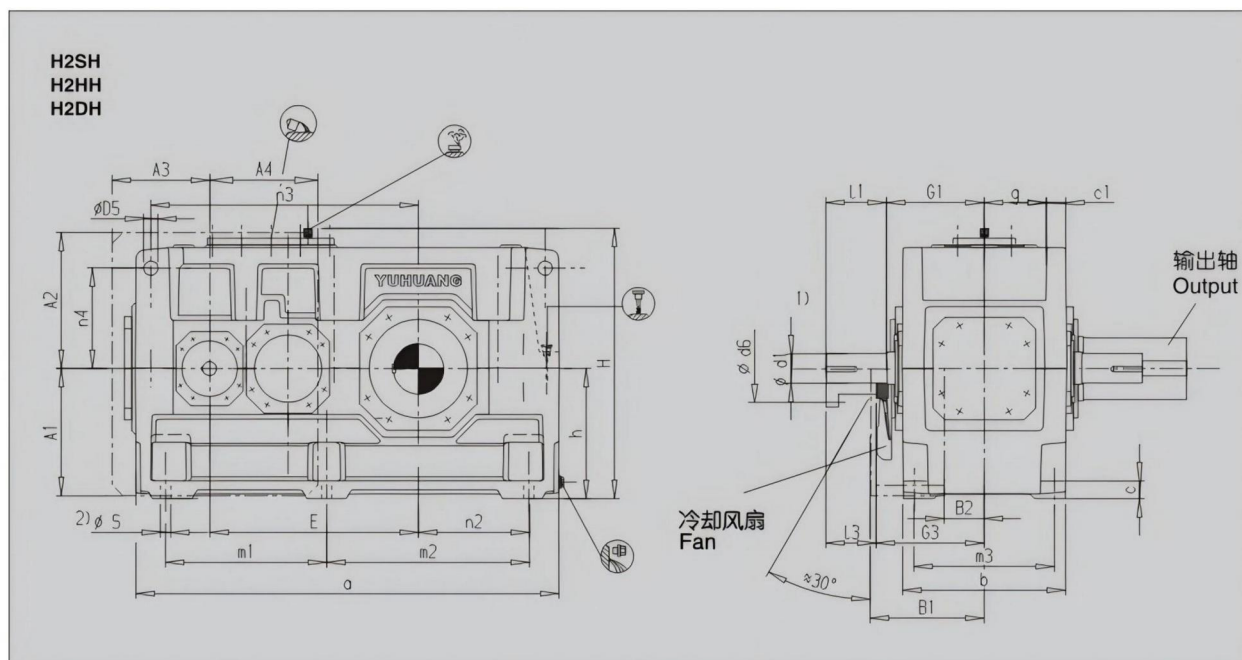
**) Without oil filling

03 | 齿轮箱

两级传动
卧式安装
类型 H2.H
规格 13-20

Gear Units

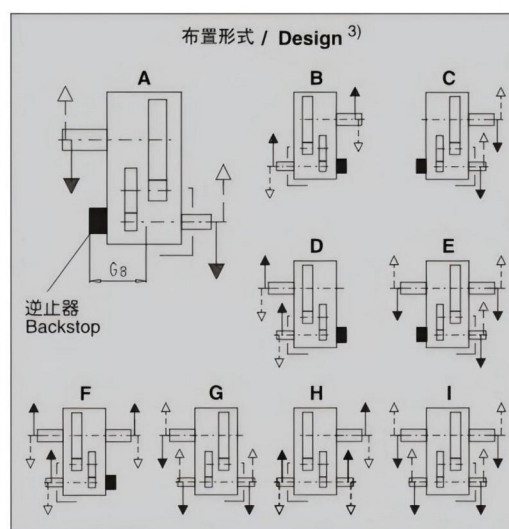
Two Stage
Horizontal
Types H2.H
Sizes 13-20



规格 Size	输入轴 / Input								3) 布置形式 /Design G, H,I 仅用于 / only for i _N =		冷却风扇 / Fan						
	i _N = 6.3-11.2			i _N = 12.5-20													
	i _N = 7.1-12.5			i _N = 14-22.4													
	i _N = 8-14			i _N = 16-25													
d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	G ₁	G ₃			A ₁	A ₂	A ₃	A ₄	B ₁	B ₂	d ₆	
13 +14	100	205	170	85	170	135	330	365	6.3-16	8-20	430	460	330	365	385	135	250
15 +16	120	210	165	100	210	165	365	410	6.3-16	7.1-18	490	500	370	440	430	155	280
17 +18	125	245	200	110	210	165	420	465	6.3-16	7.1-18	540	565	435	505	485	140	260
19 +20	150	245	200	120	210	165	475	520			600	600	500	450	540	190	310

规格 Size	齿轮箱 / Gear units									
	b	c	c ₁	D ₅	g	h ₋₁	m ₃	n ₁	n ₄	s
13 +14	550	60	61 2	48	211.5	440	475	100	340	35
15 +16	625	70	72 2	55	238	500	535	120	375	42
17 +18	690	80	80±2	55	259	550	600	135	425	42
19 +20	790	90	91±2	85	299	620	690	135	475	48

规格 Size	齿轮箱 / Gear units							
	a	E	H	m_1	m_2	n_2	n_3	逆止器 Backstop G8 ^{*)}
13	1290	635	900	545	545	305	835	448
14	1430	705	900	545	685	375	905	448
15	1550	762	1000	655	655	365	1005	527
16	1640	808	1000	655	745	410	1050	527
17	1740	860	1110	735	735	390	1145	576
18	1860	920	1110	735	855	450	1205	576
19	2010	997	1240	850	850	435	1345	670
20	2130	1057	1240	850	970	495	1405	670



+) 最大尺寸：细节应根据与合同相关的文件确定。

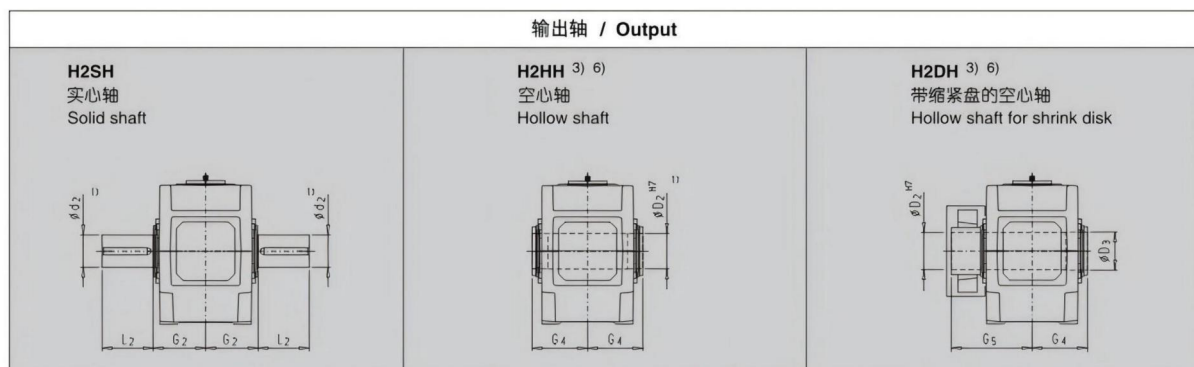
+) Max. dimensions; details acc. to order-related documentation.

03 | 齿轮箱

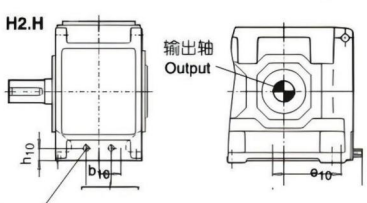
两级传动
卧式安装
类型 H2.H
规格 13-20

Gear Units

Two Stage
Horizontal
Types H2.H
Sizes 13-20



规格 Size	H2SH			H2HH		H2DH			
	d ₂	l ₂	G ₂	D ₂	G ₄	D ₂	D ₃	G ₄	G ₅
13	200	350	335	190	335	190	195	335	480
14	210	350	335	210	335	210	215	335	480
15	230	410	380	230	380	230	235	380	550
16	240	410	380	240	380	240	245	380	550
17	250	410	415	250	415	250	260	415	600
18	270	470	415	275	415	280	285	415	600
19	290	470	465			285	295	465	670
20	300	500	465			310	315	465	670

规格 Size	润滑油量 Oil quantity(L) ^{*)}		重量 / Weight (kg) ^{*) **)}			冷却盘管 / Cooling coil				
	H2.H					规格 Size	b ₁₀	e ₁₀	h ₁₀	x) L/min
	轴封 Shaft seal	迷宫式密封 Labyrinth seal								
13	135	120	2000	冷却盘管接口尺寸 G1/2" Water connection for cooling coil G1/2" x) 所需冷却水量；冷却水压最大值：8 巴 Cooling water quantity required; max. cooling water pressure: 8 bar		13	252	455	116	8
14	140	130	2570			14	252	525	116	8
15	210	190	3430			15	290	535	119	8
16	215	200	3655			16	290	580	119	8
17	290	260	4660							
18	300	270	5125							
19	320		6600							
20	340		7500							

尺寸以 mm 为单位

- 1) 轴:
- $m_6 \leq \varnothing 100$; $n_6 > \varnothing 100$
 - 平键槽按照 DIN 6885/1
轮毂键槽宽度按照 ISO Js9
 - 平键按照 DIN 6885/1 B 型
 - 有关细节见第 94 - 98 页:
- 2) 在安装地脚螺栓前应先拆下风扇罩。
- 3) 方案:
- 逆止器不能与布置形式 G、H 和 I 组合。
- 6) 规格 13 和 15：仅用于 $i_N = 6.3-18$
- * 参考值：准确的数据应根据与合同相关的文件确定。
轴封见第 105 - 107 页
- **) 未注油时

Dimensions in mm

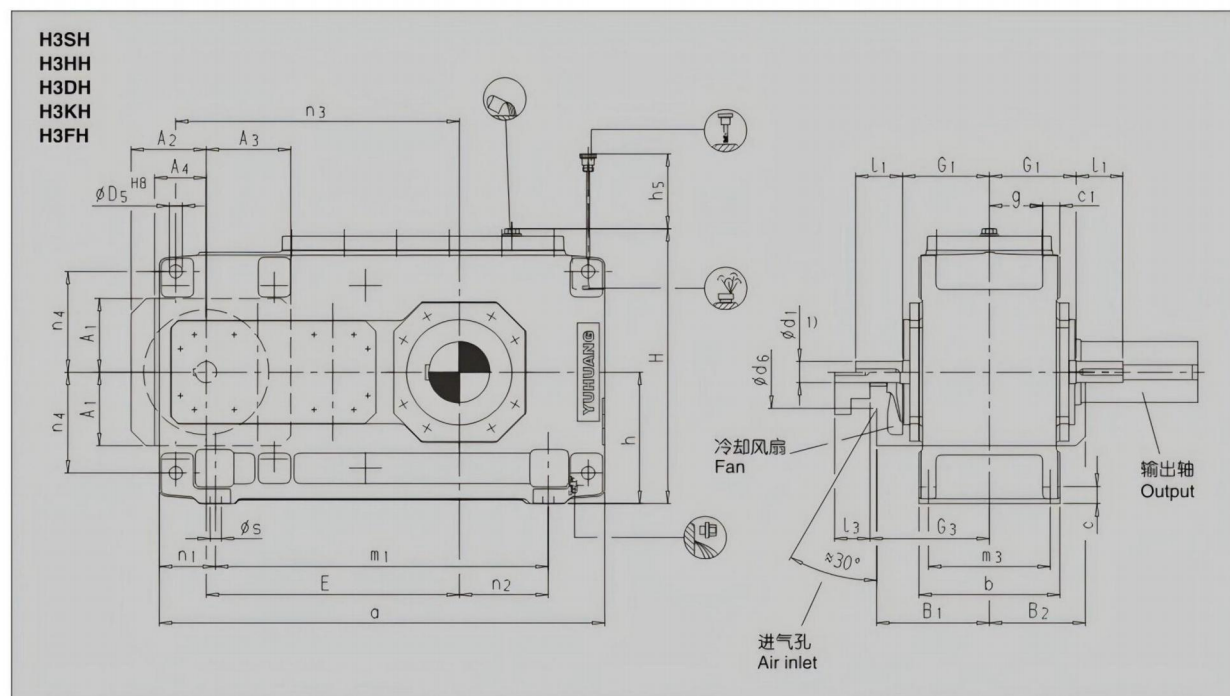
- 1) Shafts:
- $m_6 \leq \varnothing 100$; $n_6 > \varnothing 100$
 - Keyway acc. to DIN 6885/1
Hub keyway width acc. to ISO JS9
 - Parallel key acc. to DIN 6885/1 form B
 - For details, see pages 94 - 98
- 2) Remove air guide cover before fitting the foundation bolts.
- 3) Variants:
- Backstop not possible with G, H and I designs.
- 6) Sizes 13 and 15: only $i_N = 6.3-18$
- *) Approximate values; exact data acc. to order-related documentation.
For shaft seals, see pages 105 - 107
- **) Without oil filling

03 | 齿轮箱

三级传动
卧式安装
类型 H3.H
规格 4-12

Gear Units

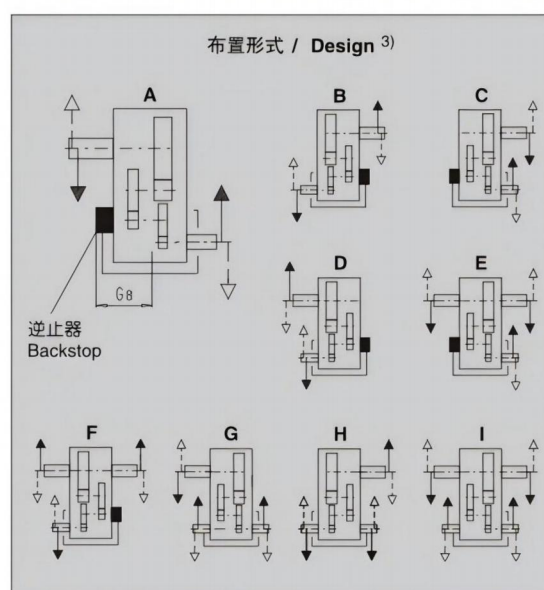
Three Stage
Horizontal
Type H3.H
Sizes 4-12



规格 Size	输入轴 / Input											3) 布置形式 / Design G, H, I 仅用于 / only for i _N =		冷却风扇 / Fan							
	i _N = 25-45			i _N = 50-63			i _N = 71-90														
	i _N = 31.5-56			i _N = 63-80			i _N = 90-112														
	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	G ₁	G ₃										
4	30	50		24	40		24	40		135		25-90									
5 +6	40	70	70	30	50	50	24	40	40	160	220	25-90	31.5-112	137	135	140	140	215	175	60	
7 +8	45	80	80	35	60	60	28	50	50	185	250	25-90	31.5-112	157	160	180	180	245	205	75	
9 +10	60	125	105	45	100	80	32	80	60	230	300	25-90	31.5-112	182	190	205	205	295	240	90	
11 +12	70	120	120	50	80	80	42	70	70	255	330	25-90	31.5-112	218	220	255	255	325	280	100	

规格 Size	齿轮箱 / Gear units									
	b	c	c_1	D_5	g	h_1	m_3	n_1	n_4	s
4	215	28	30 ± 1	24	76.5	200	180	105	150	19
5 + 6	255	28	30 ± 1	24	97.5	230	220	105	180	19
7 + 8	300	35	36 ± 1	28	114	280	260	120	215	24
9 + 10	370	40	45 ± 1.5	36	140	320	320	145	245	28
11 + 12	430	50	54 ± 1.5	40	161	380	370	165	300	35

规格 Size	齿轮箱 / Gear units								逆止器 Backstop G8 ⁺⁾
	a	E	h_5	H	m_1	n_2	n_3		
4	670	350	110	415	410	85	400		
5	690	405	130	482	480	100	455		234
6	770	440	130	482	560	145	490		234
7	845	495	170	572	605	130	560		287
8	950	540	160	582	710	190	605		287
9	1000	580	185	662	710	155	660		317
10	1100	630	185	662	810	205	710		317
11	1200	705	180	782	870	180	805		369
12	1355	775	170	790	1025	265	875		369



+) 最大尺寸；细节应根据与合同相关的文件确定。

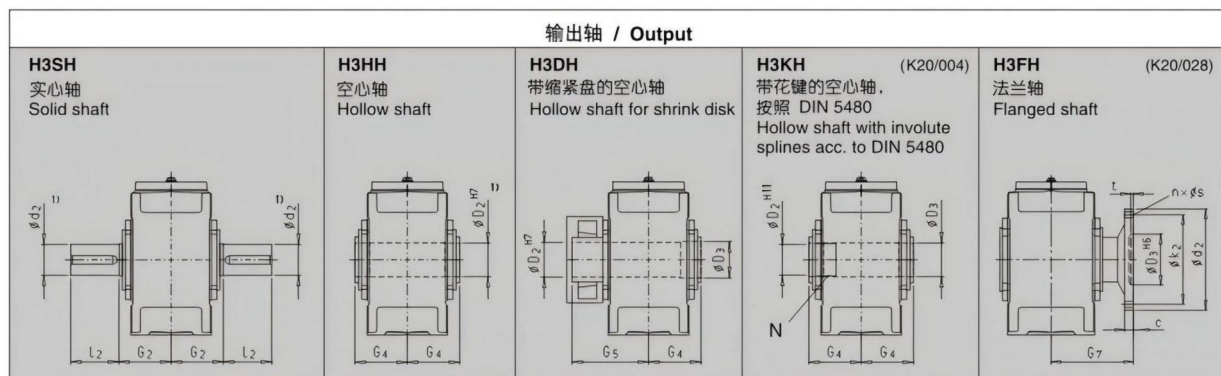
+) Max. dimensions; details acc. to order-related documentation.

03 | 齿轮箱

三级传动
卧式安装
类型 H3.H
规格 4-12

Gear Units

Three Stage
Horizontal
Type H3.H
Sizes 4-12



规格 Size	H3SH			H3HH		H3DH				H3KH					H3FH						
	d ₂	l ₂	G ₂	D ₂	G ₄	D ₂	D ₃	G ₄	G ₅	N / DIN 5480	D ₂	D ₃	G ₄	c	d ₂	D ₃	k ₂	n x s	t	G ₇	
4	80	170	140	80	140	85	85	140	205												
5	100	210	165	95	165	100	100	165	240	N 95x3x30x30x9H	89	100	165	25	300	150	260	16x22	10	255	
6	110	210	165	105	165	110	110	165	240	N 95x3x30x30x9H	89	110	165	25	320	160	280	18x22	10	255	
7	120	210	195	115	195	120	120	195	280	N120x3x30x38x9H	114	120	195	30	370	180	320	16x26	10	300	
8	130	250	195	125	195	130	130	195	285	N120x3x30x38x9H	114	130	195	30	390	190	340	18x26	10	300	
9	140	250	235	135	235	140	145	235	330	N140x3x30x45x9H	134	145	235	38	430	220	380	20x26	12	350	
10	160	300	235	150	235	150	155	235	350	N140x3x30x45x9H	134	155	235	38	470	240	420	22x26	12	350	
11	170	300	270	165	270	165	170	270	400	N170x5x30x32x9H	160	170	270	42	510	260	450	18x33	12	400	
12	180	300	270	180	270	180	185	270	405	N170x5x30x32x9H	160	185	270	42	540	280	480	22x33	12	400	

规格 Size	润滑油量 Oil quantity (L) ¹⁾	重量 / Weight (kg) ²⁾ ³⁾		冷却盘管 / Cooling coil	输出轴 / Output	规格 Size	b ₁₀	e ₁₀	h ₁₀	x) L / min
		H3SH H3HH H3DH H3KH	H3FH							
4	12	190		 冷却盘管接口尺寸 G1/2" Water connection for cooling coil G1/2"	 冷却盘管适用于淡水，海水和稍有咸味的水 Cooling coil suitable for fresh, sea and brackish water	4	34	155	60	4
5	16	320	355			5	70	175	60	4
6	18	365	405			6	70	220	69	4
7	29	540	590			7	80	210	83	4
8	32	625	675			8	80	270	83	4
9	48	875	960			9	150	245	107	4
10	49	1020	1110			10	90	295	95	4
11	85	1400	1530			11	200	275	115	8
12	90	1675	1815			12	200	360	115	8

x) 所需冷却水量；冷却水压最大值：8 巴
Cooling water quantity required; max. cooling water pressure: 8 bar

尺寸以 mm 为单位

1) 轴:

- $k_s = \emptyset 24$ $\emptyset 28 \leq m_6 \leq \emptyset 100$ $n_6 > \emptyset 100$

- 平键槽按照 DIN 6885/1

轮毂键槽宽度按照 ISO Js9

- 平键按照 DIN 6885/1 B

- 有关细节见第 94 - 103 页

3) 方案:

- 逆止器不能与布置形式 G、H 和 I 组合。

* 参考值：准确的数据应根据与合同相关的文件确定。

轴封见第 105 - 107 页

**) 未注油时

Dimensions in mm

1) Shafts:

- $k_s = \emptyset 24$ $\emptyset 28 \leq m_6 \leq \emptyset 100$ $n_6 > \emptyset 100$

- Keyway acc. to DIN 6885/1

Hub keyway width acc. to ISO JS9

- Parallel key acc. to DIN 6885/1 form B

- For details, see pages 94 - 103

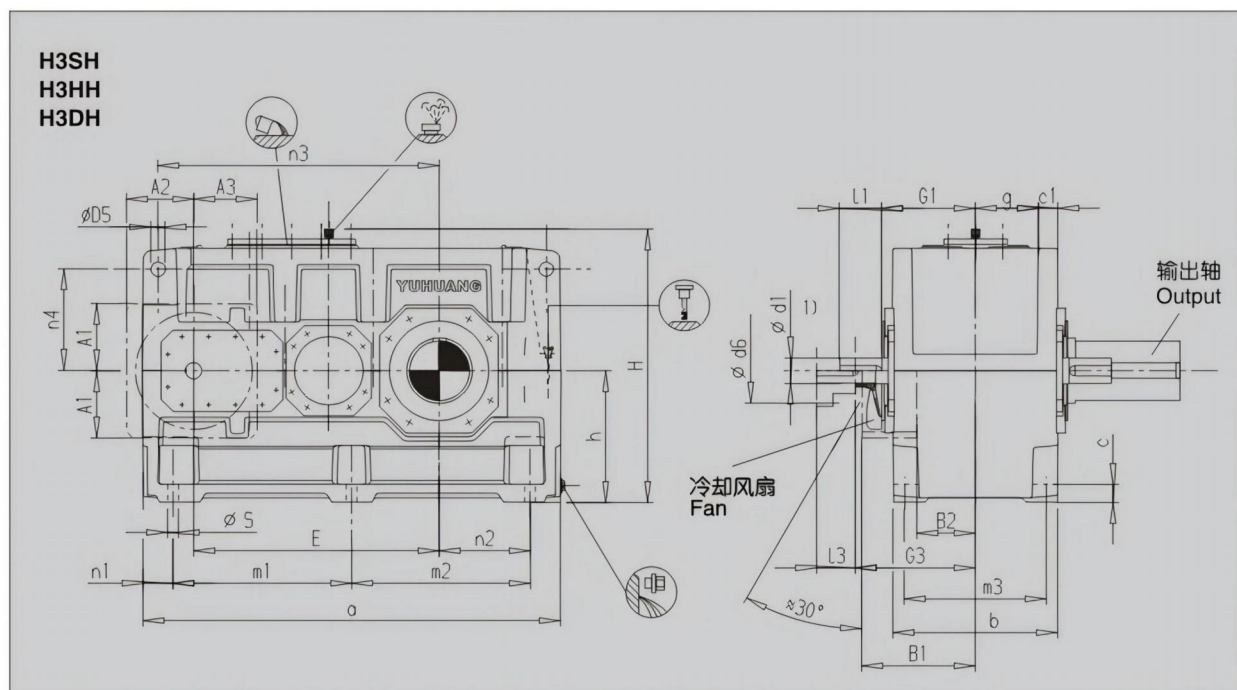
3) Variants:

- Backstop not possible with G, H and I designs.

*) Approximate values; exact data acc. to order-related documentation.

For shaft seals, see pages 105 - 107

**) Without oil filling

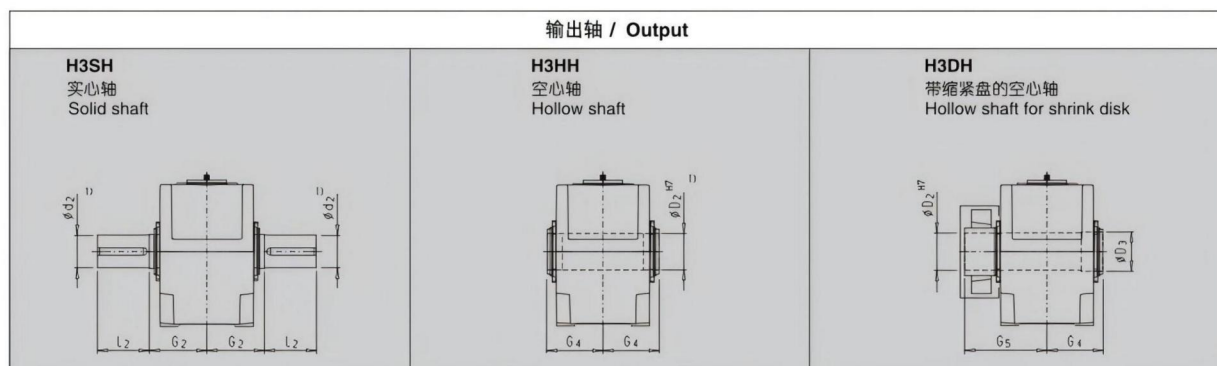


03 | 齿轮箱

三级传动
卧式安装
类型 H3.H
规格 13-20

Gear Units

Three Stage
Horizontal
Type H3.H
Sizes 13-20



规格 Size	H3SH			H3HH		H3DH			
	d ₂	l ₂	G ₂	D ₂	G ₄	D ₂	D ₃	G ₄	G ₅
13	200	350	335	190	335	190	195	335	480
14	210	350	335	210	335	210	215	335	480
15	230	410	380	230	380	230	235	380	550
16	240	410	380	240	380	240	245	380	550
17	250	410	415	250	415	250	260	415	600
18	270	470	415	275	415	280	285	415	600
19	290	470	465			285	295	465	670
20	300	500	465			310	315	465	670

规格 Size	润滑油量 Oil quantity(L) ^)	重量 / Weight (kg) *) **)	冷却盘管 / Cooling coil		规格 Size	b ₁₀	e ₁₀	h ₁₀	x) L/min
	H3.H	H3SH H3HH H3DH				13	14	15	16
13	160	2295	冷却盘管接口尺寸 G1/2" Water connection for cooling coil G1/2"		13	252	460	116	8
14	165	2625			14	252	530	116	8
15	235	3475			15	290	540	119	8
16	245	3875			16	290	585	119	8
17	305	4560			17	300	580	134	8
18	315	5030			18	300	640	134	8
19	420	6700			19				
20	450	8100			20				
x) 所需冷却水量; 冷却水压力最大值: 8 巴 Cooling water quantity required; max. cooling water pressure: 8 bar					冷却盘管适用于淡水, 海水和稍有咸味的水 Cooling coil suitable for fresh, sea and brackish water				

尺寸以 mm 为单位

1) 轴:

- $m \leq \varnothing 100$; $n > \varnothing 100$
- 平键槽按照 DIN 6885/1
轮毂键槽宽度按照 ISO JS9
- 平键按照 DIN 6885/1 B 型
- 有关细节见第 94 - 98 页

3) 方案:

- 逆止器不能与布置形式 G、H 和 I 组合。

*) 参考值: 准确的数据应根据与合同相关的文件确定。

**) 未注油时

Dimensions in mm

1) Shafts:

- $m \leq \varnothing 100$; $n > \varnothing 100$
- Keyway acc. to DIN 6885/1
Hub keyway width acc. to ISO JS9
- Parallel key acc. to DIN 6885/1 form B
- For details, see pages 94 - 98

3) Variants:

- Backstop not possible with G, H and I designs.

*) Approximate values; exact data acc. to order-related documentation.

**) Without oil filling

03

齿轮箱

四级传动 卧式安装

类型 H4.H

规格 7-12

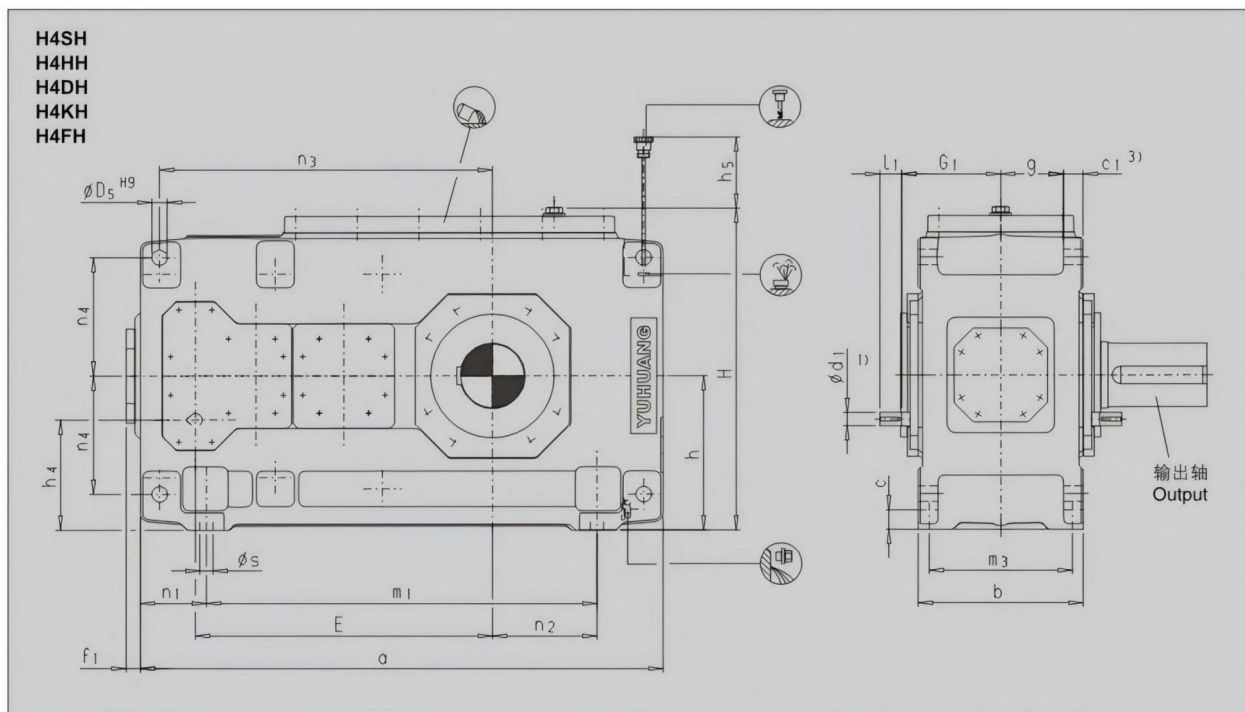
Gear Units

Four Stage

Horizontal

Type H4.H

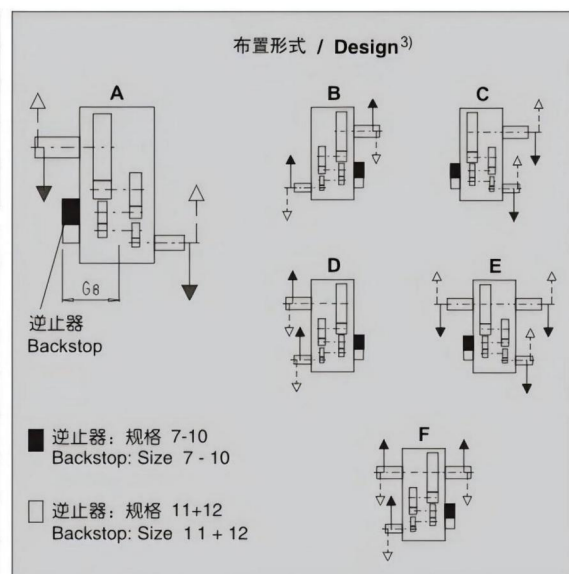
Sizes 7-12



规格 Size	输入轴 / Input				
	$i_N=100-180$		$i_N=200-355$		
	$i_N=125-224$		$i_N=250-450$		
	d_1	l_1	d_1	l_1	
7 +8	30	50	24	40	180
9 +10	35	60	28	50	215
11 +12	45	100	32	80	250

规格 Size	齿轮箱 / Gear units										
	b	c	c_1	D_5	g	h_1	h_4	m_3	n_1	n_4	s
7 +8	300	35	36 ± 1	28	114	280	200	260	120	215	24
9 +10	370	40	45 ± 1.5	36	140	320	230	320	145	245	28
11 +12	430	50	54 ± 1.5	40	161	380	270	370	165	300	35

规格 Size	齿轮箱 / Gear units								
	a	E	f_1	h_5	H	m_1	n_2	n_3	逆止器 Backstop G8 ⁺⁾
7	845	495	37	140	572	605	130	560	286
8	950	540	37	140	582	710	190	605	286
9	1000	580	43	150	662	710	155	660	317
10	1100	630	43	150	662	810	205	710	317
11	1200	705	47	165	782	870	180	805	333
12	1355	775	47	165	790	1025	265	875	333



+) 最大尺寸: 细节应根据与合同相关的文件确定。

+) Max. dimensions; details acc. to order-related documentation.

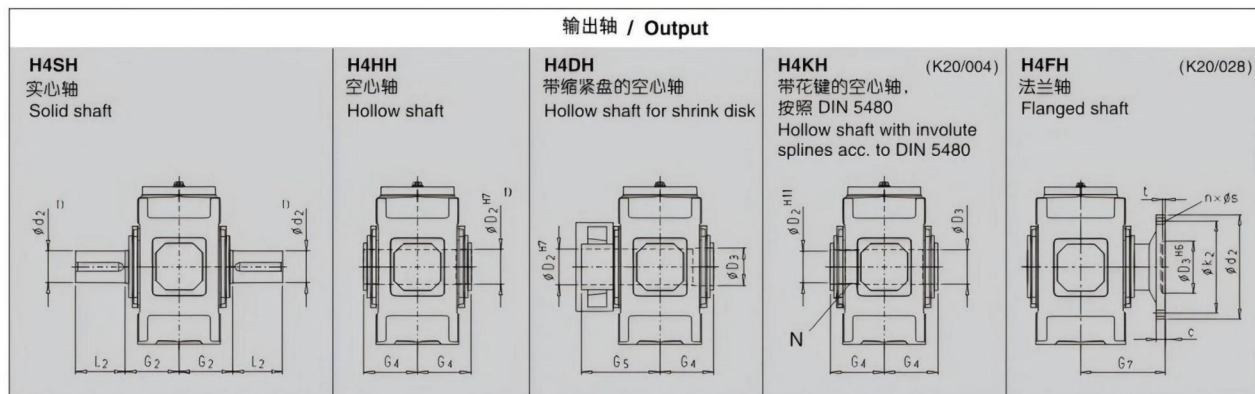
03 | 齿轮箱

四级传动
卧式安装
类型 H4.H
规格 7-12

Gear Units

Four Stage
Horizontal
Type H4.H
Sizes 7-12

输出轴 / Output



规格 Size	H4SH			H4HH		H4DH				H4KH				H4FH						
	d ₂	l ₂	G ₂	D ₂	G ₄	D ₂	D ₃	G ₄	G ₅	N / DIN 5480	D ₂	D ₃	G ₄	c	d ₂	D ₃	k ₂	n x s	t	G ₇
7	120	210	195	115	195	120	120	195	280	N120x3x30x38x9H	114	120	195	30	370	180	320	16x26	10	300
8	130	250	195	125	195	130	130	195	285	N120x3x30x38x9H	114	130	195	30	390	190	340	18x26	10	300
9	140	250	235	135	235	140	145	235	330	N140x3x30x45x9H	134	145	235	38	430	220	380	20x26	12	350
10	160	300	235	150	235	150	155	235	350	N140x3x30x45x9H	134	155	235	38	470	240	420	22x26	12	350
11	170	300	270	165	270	165	170	270	400	N170x5x30x32x9H	160	170	270	42	510	260	450	18x33	12	400
12	180	300	270	180	270	180	185	270	405	N170x5x30x32x9H	160	185	270	42	540	280	480	22x33	12	400

规格 Size	润滑油量 Oil quantity (L) *)	重量 / Weight (kg) *) **)	
		H4SH H4HH H4DH H4KH	H4FH
7	25	550	600
8	27	645	700
9	48	875	960
10	50	1010	1100
11	80	1460	1590
12	87	1725	1865

尺寸以 mm 为单位

1) 轴:

- $k_6 = \varnothing 24 \varnothing 28 \leq m_6 \leq \varnothing 100 \quad n_6 > \varnothing 100$
- 平键槽按照 DIN 6885/1
- 轮毂键槽宽度按照 ISO JS9
- 平键按照 DIN 6885/1 B 型
- 有关细节见第 94 - 103 页

*) 参考值: 准确的数据应根据与合同相关的文件确定。

**) 未注油时

Dimensions in mm

1) Shafts:

- $k_6 = \varnothing 24 \quad \varnothing 28 \leq m_6 \leq \varnothing 100 \quad n_6 > \varnothing 100$
- Keyway acc. to DIN 6885/1
- Hub keyway width acc. to ISO JS9
- Parallel key acc. to DIN 6885/1 form B
- For details, see pages 94 - 103

*) Approximate values; exact data acc. to order-related documentation.

**) Without oil filling

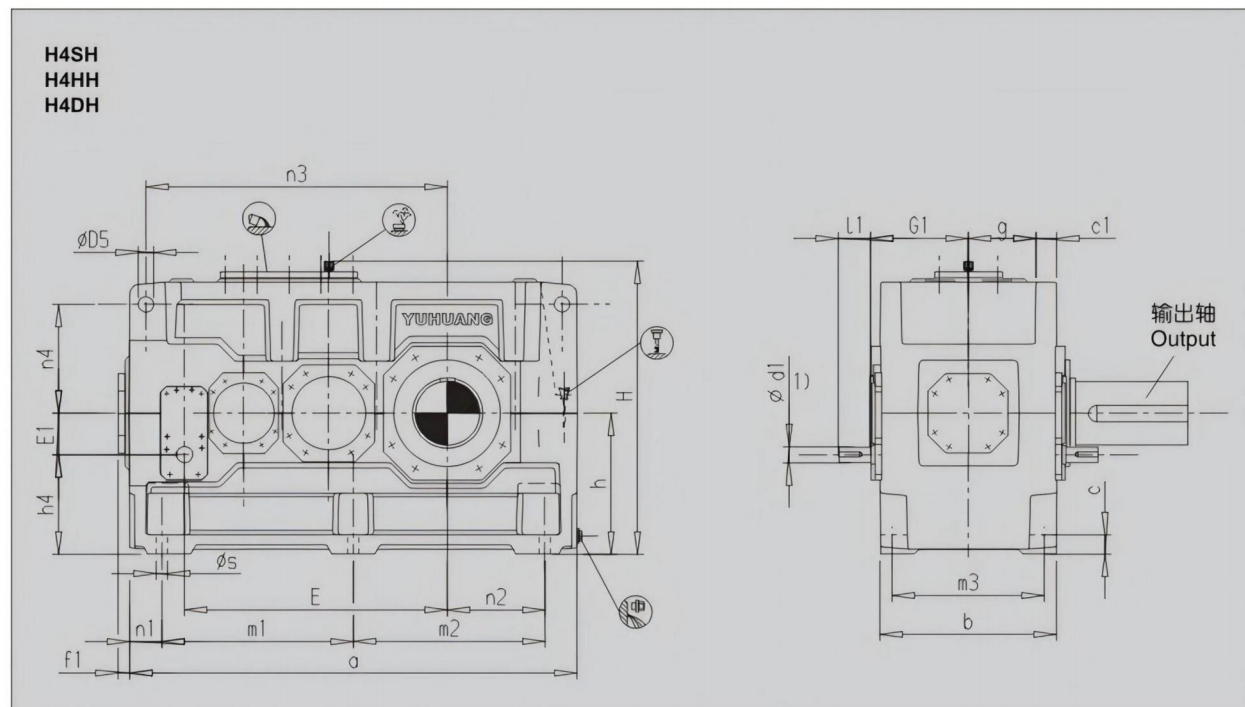
03

齿轮箱

四级传动卧式安装
类型 H4.H
规格 13-20

Gear Units

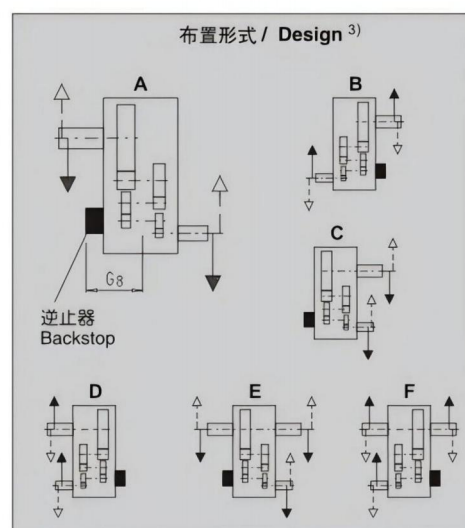
Four Stage
Horizontal
Type H4.H
Sizes 13-20



规格 Size	输入轴 / Input				
	$i_N = 100-180$		$i_N = 200-355$		
	$i_N = 112-200$		$i_N = 224-400$		
	$i_N = 125-224$		$i_N = 250-450$		
	d_1	l_1	d_1	l_1	
13 +14	50	100	38	80	305
15 +16	60	135	50	110	345
17 +18	60	135	50	110	380
19 +20	75	105	60	105	440

规格 Size	齿轮箱 / Gear units										
	b	c	c_1	D_5	g	h_1	h_4	m_3	n_1	n_4	s
13 +14	550	60	61 ± 2	48	211.5	440	310	475	100	340	35
15 +16	625	70	72 ± 2	55	238	500	340	535	120	375	42
17 +18	690	80	81 ± 2	55	259	550	390	600	135	425	42
19 +20	790	90	91 ± 2	65	299	620	435	690	155	475	48

规格 Size	齿轮箱 / Gear units									
	a	E	E_1	f_1	H	m_1	m_2	n_2	n_3	逆止器 Backstop G8 ⁺⁾
13	1395	820	130	47	900	597.5	597.5	305	940	391
14	1535	890	130	47	900	597.5	737.5	375	1010	391
15	1680	987	160	56	1000	720	720	365	1135	487
16	1770	1033	160	56	1000	720	810	410	1180	487
17	1770	1035	160	53	1110	750	750	390	1175	
18	1890	1095	160	53	1110	750	870	450	1235	
19	2030	1190	185	53	1240	860	860	435	1365	
20	2150	1250	185	53	1240	860	980	495	1425	



⁺⁾ 最大尺寸：细节应根据与合同相关的文件确定。

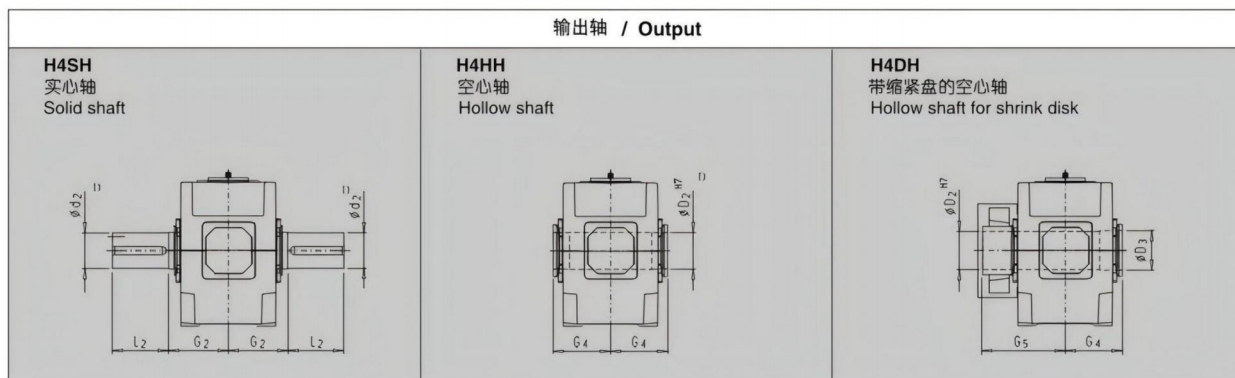
⁺⁾ Max. dimensions; details acc. to order-related documentation.

03 | 齿轮箱

四级传动
卧式安装
类型 H4.H
规格 13-20

Gear Units

Four Stage
Horizontal
Type H4.H
Sizes 13-20



规格 Size	H4SH			H4HH		H4DH			
	d ₂	l ₂	G ₂	D ₂	G ₄	D ₂	D ₃	G ₄	G ₅
13	200	350	335	190	335	190	195	335	480
14	210	350	335	210	335	210	215	335	480
15	230	410	380	230	380	230	235	380	550
16	240	410	380	240	380	240	245	380	550
17	250	410	415	250	415	250	260	415	600
18	270	470	415	275	415	280	285	415	600
19	290	470	465			285	295	465	670
20	300	500	465			310	315	465	670

规格 Size	润滑油量 Oil quantity (L) ¹⁾	重量 / Weight (kg) ^{1) **)}	
	H4.H	H4SH H4HH H4DH	
13	130	2390	
14	140	2730	
15	230	3635	
16	235	3965	
17	290	4680	
18	305	5185	
19	430	6800	
20	380	8200	

尺寸以 mm 为单位

1) 轴 :

- $m \leq \varnothing 100$; $n \leq \varnothing 100$
- 平键槽按照 DIN 6885/1
- 轮毂键槽宽度按照 ISO JS9
- 平键按照 DIN 6885/1 B 型
- 有关细节见第 94 - 98 页

*) 参考值 : 准确的数据应根据与合同相关的文件确定。

**) 未注油时

Dimensions in mm

1) Shafts:

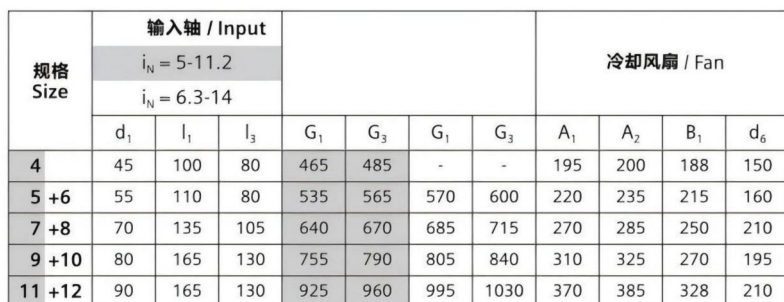
- $m \leq \varnothing 100$; $n \leq \varnothing 100$
- Keyway acc. to DIN 6885/1
- Hub keyway width acc. to ISO JS9
- Parallel key acc. to DIN 6885/1 form B
- For details, see pages 94 - 98

*) Approximate values; exact data acc. to order-related documentation.

**) Without oil filling

规格 4-12

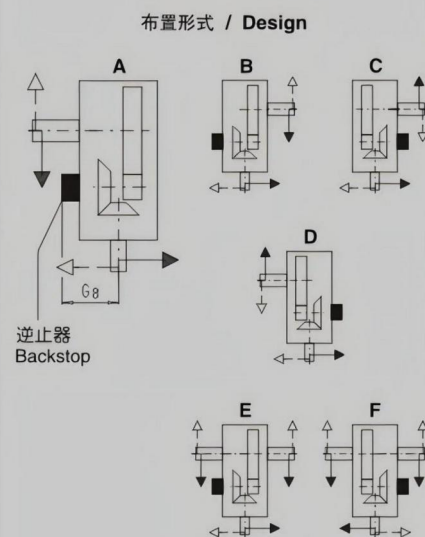
Sizes 4-12



规格 Size	齿轮箱 / Gear units										
	b	c	c ₁	D ₅	e ₃	g	h ₋₁	m ₃	n ₁	n ₄	s
4	270	28	30 ± 1	24	160	105	200	235	105	150	19
5 + 6	320	28	30 ± 1	24	185	130	230	285	105	180	19
7 + 8	380	35	36 ± 1	28	225	154	280	340	120	215	24
9 + 10	440	40	48 ± 1.5	36	265	172	320	390	145	245	28
11 + 12	530	50	54 ± 1.5	40	320	211	380	470	165	300	35

规格 Size	齿轮箱 / Gear units								逆止器 Backstop G8 ^(*)
	a	E	G ₆	h ₅	H	m ₁	n ₂	n ₃	
4	505	160	495	80	415	295	85	285	284
5	565	185	575	150	482	355	100	330	323
6	645	220	610	150	482	435	145	365	323
7	690	225	685	180	582	450	130	405	375
8	795	270	730	190	582	555	190	450	375
9	820	265	805	205	662	530	155	480	452
10	920	315	855	215	662	630	205	530	452
11	975	320	980	240	790	645	180	580	497
12	1130	390	1050	250	790	800	265	650	497

+.) Max. dimensions; details acc. to order-related documentation.



逆止器不能与以下布置形式组合安装
Backstop **not** possible for

B2SH	布置形式 / Design	A, C, E + F
B2FH	布置形式 / Design	A + C
B2DH	布置形式 / Design	B + D

03 | 齿轮箱

两级传动
卧式安装
类型 B2.H
规格 4-12

Gear Units

Two Stage
Horizontal
Type B2.H
Sizes 4-12

输出轴 / Output				
B2SH 实心轴 Solid shaft	B2HH 空心轴 Hollow shaft	B2DH 带缩紧盘的空心轴 Hollow shaft for shrink disk	B2KH (K20/004) 带花键的空心轴, 按照 DIN 5480 Hollow shaft with involute splines acc. to DIN 5480	B2FH (K20/028) 法兰轴 Flanged shaft

规格 Size	B2SH			B2HH		B2DH				B2KH				B2FH						
	d ₂	l ₂	G ₂	D ₂	G ₄	D ₂	D ₃	G ₄	G ₅	N / DIN 5480	D ₂	D ₃	G ₄	c	d ₂	D ₃	k ₂	n x s	t	G ₇
4	80	170	170	80	170	85	85	170	235	-	-	-	-	-	-	-	-	-	-	-
5	100	210	200	95	200	100	100	200	275	N 95x3x30x30x9H	89	100	200	25	300	150	260	16x22	10	290
6	110	210	200	105	200	110	110	200	275	N 95x3x30x30x9H	89	110	200	25	320	160	280	18x22	10	290
7	120	210	235	115	235	120	120	235	320	N120x3x30x38x9H	114	120	235	30	370	180	320	16x26	10	340
8	130	250	235	125	235	130	130	235	325	N120x3x30x38x9H	114	130	235	30	390	190	340	18x26	10	340
9	140	250	270	135	270	140	145	270	365	N140x3x30x45x9H	134	145	270	38	430	220	380	20x26	12	385
10	160	300	270	150	270	150	155	270	385	N140x3x30x45x9H	134	155	270	38	470	240	420	22x26	12	385
11	170	300	320	165	320	165	170	320	450	N170x5x30x32x9H	160	170	320	42	510	260	450	18x33	12	450
12	180	300	320	180	320	180	185	320	455	N170x5x30x32x9H	160	185	320	42	540	280	480	22x33	12	450

规格 Size	润滑油量 Oil quantity (L) ^{*)}	重量 / Weight (kg) ^{*)} ^{**)}		冷却盘管 / Cooling coil		规格 Size	b ₁₀	e ₁₀	h ₁₀	x) L/min
		B2SH B2HH B2DH B2KH	B2FH							
4	10	235	-			4	74	160	54	4
5	16	360	400			5	130	175	62	8
6	19	410	455	冷却盘管接口尺寸 G1/2" Water connection for cooling coil G1/2"	冷却盘管适用于淡水, 海水和稍有咸味的 Cooling coil suitable for fresh, sea and brackish water	6	120	220	68	4
7	31	615	670			7	140	210	80	8
8	34	700	760	x) 所需冷却水量; 冷却水压力最大值: 8 巴 Cooling water quantity required; max. cooling water pressure: 8 bar		8	140	270	80	4
9	48	1000	1090			9	232	245	110	8
10	50	1155	1250			10	150	295	90	8
11	80	1640	1775			11	312	275	115	8
12	95	1910	2060			12	300	360	115	8

尺寸以 mm 为单位

1) 轴:

- $m_6 \leq \varnothing 100$; $n_6 > \varnothing 100$
- 平键槽按照 DIN 6885/1
- 轮毂键槽宽度按照 ISO JS9
- 平键按照 DIN 6885/1 B 型
- 有关细节见第 94 - 103 页

*) 参考值: 准确的数据应根据与合同相关的文件确定。

**) 未注油时

Dimensions in mm

1) Shafts:

- $m_6 \leq \varnothing 100$; $n_6 > \varnothing 100$
- Keyway acc. to DIN 6885/1
- Hub keyway width acc. to ISO JS9
- Parallel key acc. to DIN 6885/1 form B
- For details, see pages 94 - 103

*) Approximate values; exact data acc. to order-related documentation.

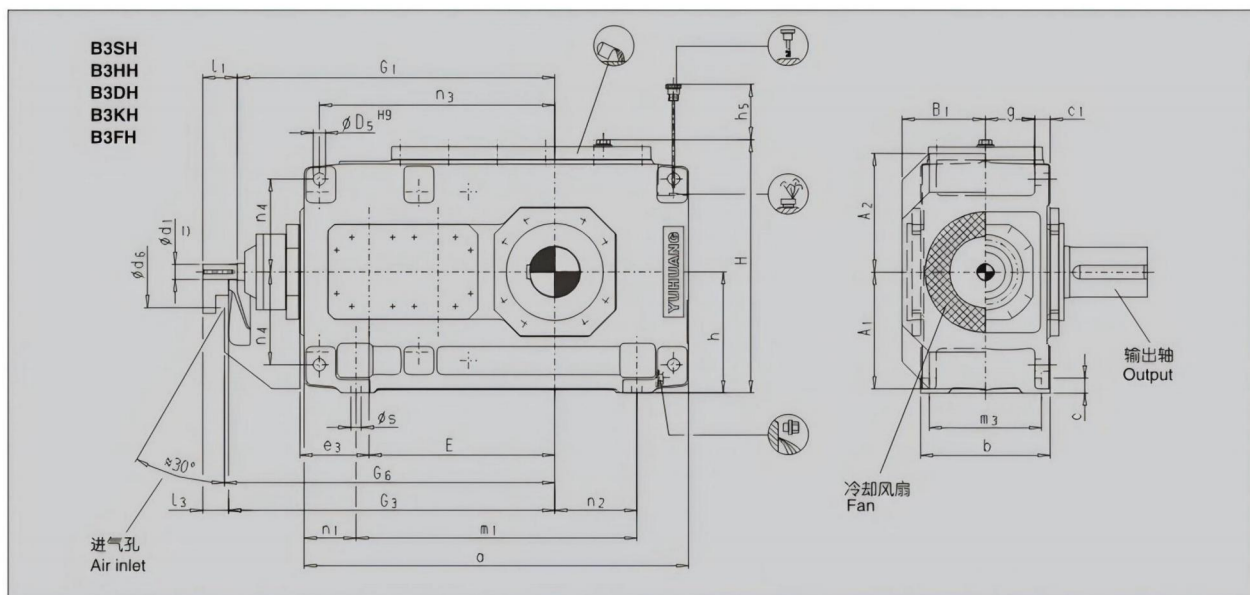
**) Without oil filling

03 | 齿轮箱

三级传动 卧式安装
类型 B3.H
规格 3-12

Gear Units

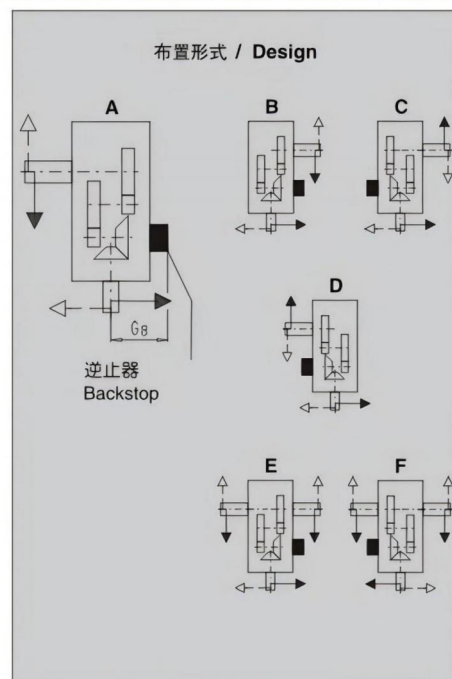
Three Stage
Horizontal
Type B3.H
Sizes 3-12



规格 Size	输入轴 / Input										冷却风扇 / Fan			
	$i_N = 12.5-45$			$i_N = 50-71$										
	$i_N = 16-56$			$i_N = 63-90$										
	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3	G_1	G_3	A_1	A_2	B_1	d_6
3	28	55	40	20	50	35	430	445			170	170	128	90
4	30	70	50	25	60	40	500	520	-	-	195	200	143	110
5 + 6	35	80	60	28	60	40	575	595	610	630	220	235	168	130
7 + 8	45	100	80	35	80	60	690	710	735	755	275	275	193	165
9 + 10	55	110	80	40	100	70	800	830	850	880	315	325	231	175
11 + 12	70	135	105	50	110	80	960	990	1030	1060	370	385	263	190

规格 Size	齿轮箱 / Gear units										
	b	c	c_1	D_5	e_3	g	h_1	m_3	n_1	n_4	s
3	190	22	24 ± 1	18	90	71	175	160	80	132.5	15
4	215	28	30 ± 1	24	110	77.5	200	180	105	150	19
5 + 6	255	28	30 ± 1	24	130	97.5	230	220	105	180	19
7 + 8	300	35	36 ± 1	28	160	114	280	260	120	215	24
9 + 10	370	40	45 ± 1.5	36	185	140	320	320	145	245	28
11 + 12	430	50	54 ± 1.5	40	225	161	380	370	165	300	35

规格 Size	齿轮箱 / Gear units								
	a	E	G_6	h_5	H	m_1	n_2	n_3	逆止器 Backstop G8 ⁺⁾
3	450	220	455	100	390	290	65	285	
4	565	270	530	100	415	355	85	345	204
5	640	315	605	130	482	430	100	405	223
6	720	350	640	130	482	510	145	440	223
7	785	385	720	170	572	545	130	500	281
8	890	430	765	160	582	650	190	545	281
9	925	450	845	175	662	635	155	585	317
10	1025	500	895	175	662	735	205	635	317
11	1105	545	1010	220	782	775	180	710	368
12	1260	615	1080	210	790	930	265	780	368



+)) 最大尺寸：细节应根据与合同相关的文件确定。

+)) Max. dimensions; details acc. to order-related documentation.

03

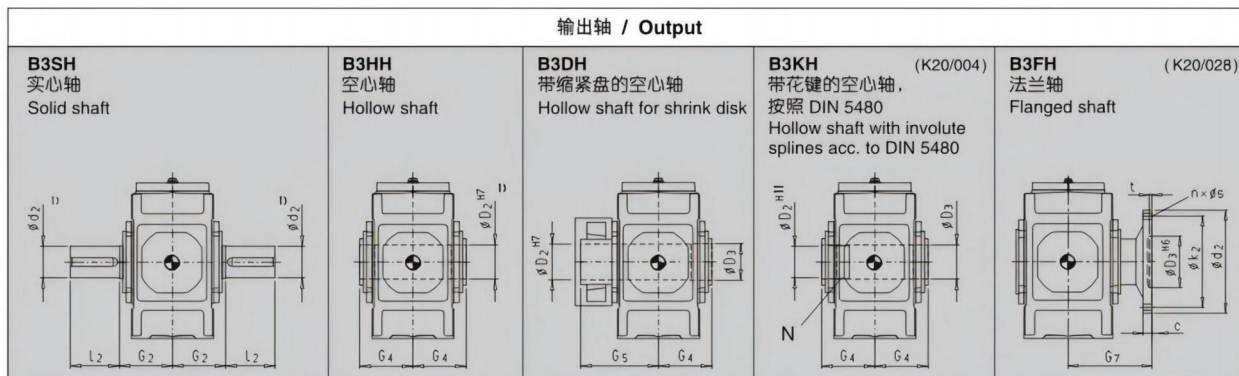
齿轮箱

三级传动
卧式安装
类型 B3.H
规格 3-12

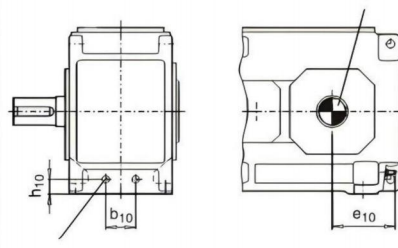
Gear Units

Three Stage
Horizontal
Type B3.H
Sizes 3-12

输出轴 / Output



规格 Size	B3SH			B3HH			B3DH			B3KH				B3FH						
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5	N / DIN 5480	D_2	D_3	G_4	c	d_2	D_3	k_2	$n \times s$	t	G_7
3	65	140	125	65	125	70	70	125	180											
4	80	170	140	80	140	85	85	140	205	-	-	-	-	-	-	-	-	-	-	-
5	100	210	165	95	165	100	100	165	240	N 95x3x30x30x9H	89	100	165	25	300	150	260	16x22	10	255
6	110	210	165	105	165	110	110	165	240	N 95x3x30x30x9H	89	110	165	25	320	160	280	18x22	10	255
7	120	210	195	115	195	120	120	195	280	N 120x3x30x38x9H	114	120	195	30	370	180	320	16x26	10	300
8	130	250	195	125	195	130	130	195	285	N 120x3x30x38x9H	114	130	195	30	390	190	340	18x26	10	300
9	140	250	235	135	235	140	145	235	330	N 140x3x30x45x9H	134	145	235	38	430	220	380	20x26	12	350
10	160	300	235	150	235	150	155	235	350	N 140x3x30x45x9H	134	155	235	38	470	240	420	22x26	12	350
11	170	300	270	165	270	165	170	270	400	N 170x5x30x32x9H	160	170	270	42	510	260	450	18x33	12	400
12	180	300	270	180	270	180	185	270	405	N 170x5x30x32x9H	160	185	270	42	540	280	480	22x33	12	400

规格 Size	润滑油量 Oil quantity (L) ¹⁾	重量 / Weight (kg) ^{*)} ^{**))}		冷却盘管 / Cooling coil		规格 Size	b ₁₀	e ₁₀	h ₁₀	x) L /min
		B3SH B3HH B3DH B3KH	B3FH							
3	6	130				3	30	140	40	4
4	9	210	-		4	34	155	60	4	
5	15	325	360		5	68	170	64	4	
6	16	380	420		6	70	220	69	4	
7	27	550	600		7	100	210	83	4	
8	30	635	690		8	100	270	83	4	
9	42	890	975		9	140	245	110	8	
10	45	1020	1110		10	100	295	95	8	
11	71	1455	1585		11	110	275	95	8	
12	76	1730	1870		12	200	360	109	8	

冷却盘管接口尺寸 G1/2"
Water connection for
cooling coil G1/2"

x) 所需冷却水量; 冷却水压力最大值: 8 巴
Cooling water quantity required; max. cooling water pressure: 8 bar

冷却盘管适用于淡水, 海水和稍有咸味的水
Cooling coil suitable for fresh, sea and brackish water

尺寸以 mm 为单位

1) 轴:

- $k_6 = \varnothing 25 \varnothing 28 \leq m_6 \leq 100 \quad n_6 > \varnothing 100$
- 平键槽按照 DIN 6885/1
轮毂键槽宽度按照 ISO JS9
- 平键按照 DIN 6885/1 B 型
- 有关细节见第 94 - 103 页

*) 参考值: 准确的数据应根据与合同相关的文件确定。

**) 未注油时

Dimensions in mm

1) Shafts:

- $k_6 = \varnothing 25 \varnothing 28 \leq m_6 \leq 100 \quad n_6 > \varnothing 100$
- Keyway acc. to DIN 6885/1
- Hub keyway width acc. to ISO JS9
- Parallel key acc. to DIN 6885/1 form B
- For details, see pages 94 - 103

*) Approximate values; exact data acc. to order-related documentation.

**) Without oil filling

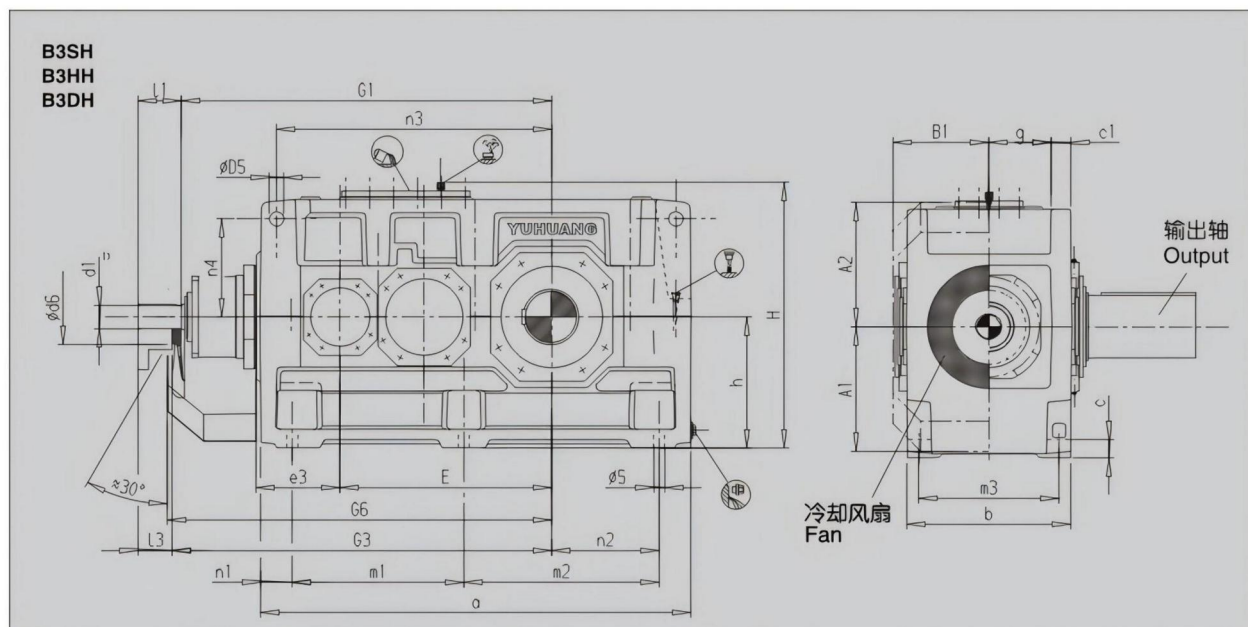
03

齿轮箱

三级传动 卧式安装
类型 B3.H
规格 13-20

Gear Units

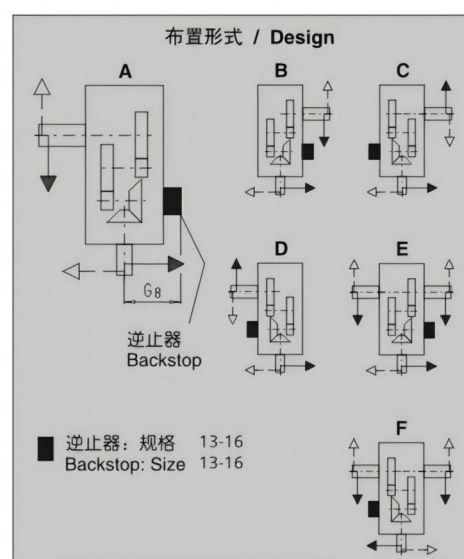
Three Stage
Horizontal
Type B3.H
Sizes 13-20



规格 Size	输入轴 / Input										冷却风扇 / Fan			
	$i_N = 12.5-45$			$i_N = 50-71$										
	$i_N = 14-50$			$i_N = 56-80$										
	$i_N = 16-56$			$i_N = 63-90$										
	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3	G_1	G_3	A_1	A_2	B_1	d_6
13 +14	80	165	130	60	140	105	1125	1160	1195	1230	425	435	325	210
15 +16	90	165	130	70	140	105	1367	1402	1413	1448	485	520	365	210
17 +18	110	205	165	80	170	130	1560	1600	1620	1660	535	570	395	230
19 +20	130	245	200	100	210	165	1832	1877	1892	1937	610	630	448	245

规格 Size	齿轮箱 / Gear units										
	b	c	c_1	D_5	e_3	g	h_1	m_3	n_1	n_4	s
13 +14	550	60	61 ± 2	48	265	211.5	440	475	100	340	35
15 +16	625	70	72 ± 2	55	320	238	500	535	120	375	42
17 +18	690	80	81 ± 2	55	370	259	550	600	135	425	42
19 +20	790	90	91 ± 2	65	420	299	620	690	155	475	48

规格 Size	齿轮箱 / Gear units								
	a	E	G_6	H	m_1	m_2	n_2	n_3	逆止器 Backstop G8 ⁺
13	1290	635	1180	900	545	545	305	835	451
14	1430	705	1250	900	545	685	375	905	451
15	1550	762	1420	1000	655	655	365	1005	497
16	1640	808	1470	1000	655	745	410	1050	497
17	1740	860	1620	1110	735	735	390	1145	564
18	1860	920	1680	1110	735	855	450	1205	564
19	2010	997	1900	1240	850	850	435	1345	621
20	2130	1057	1960	1240	850	970	495	1405	621



+) 最大尺寸：细节应根据与合同相关的文件确定。

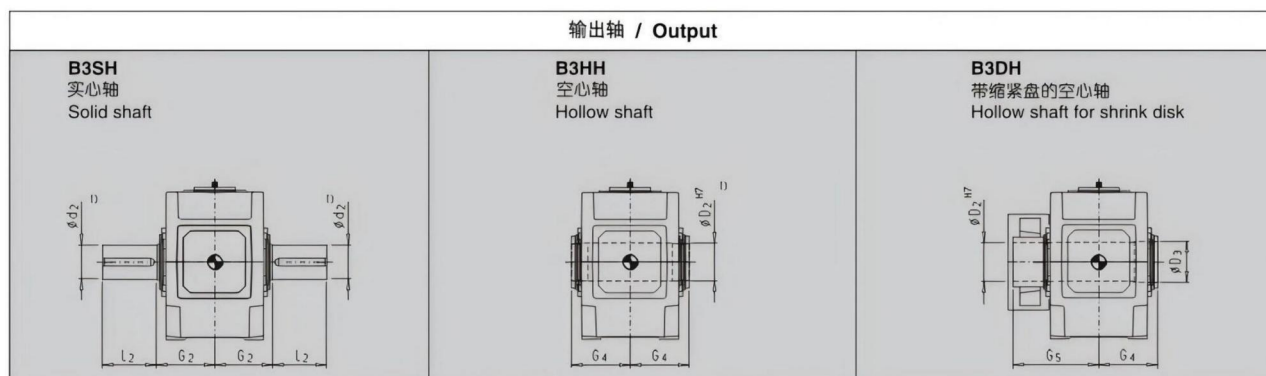
+) Max. dimensions; details acc. to order-related documentation.

03 | 齿轮箱

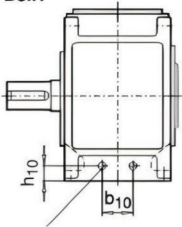
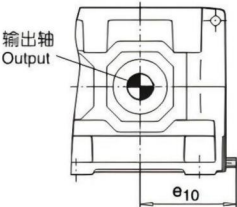
三级传动
卧式安装
类型 B3.H
规格 13-20

Gear Units

Three Stage
Horizontal
Type B3.H
Sizes 13-20



规格 Size	B3SH			B3HH		B3DH			
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5
13	200	350	335	190	335	190	195	335	480
14	210	350	335	210	335	210	215	335	480
15	230	410	380	230	380	230	235	380	550
16	240	410	380	240	380	240	245	380	550
17	250	410	415	250	415	250	260	415	600
18	270	470	415	275	415	280	285	415	600
19	290	470	465			285	295	465	670
20	300	500	465			310	315	465	670

规格 Size	润滑油量 Oil quantity (L) ¹⁾	重量 / Weight (kg) ^{*)} ^{**)}	冷却盘管 / Cooling coil		规格 Size	b_{10}	e_{10}	h_{10}	$x)$ L /min
	B3.H	B3SH B3HH B3DH							
13	130	2380	 冷却盘管接口尺寸 G1/2" Water connection for cooling coil G1/2"	 输出轴 Output	13	252	455	116	8
14	140	2750			14	252	525	116	8
15	210	3730			15	290	535	119	8
16	220	3955			16	290	580	119	8
17	290	4990							
18	300	5495							
19	380	7000							
20	440	8100							

冷却盘管适用于淡水，海水和稍有咸味的水
Cooling coil suitable for fresh, sea and brackish water

x) 所需冷却水量；冷却水压力最大值：8 巴
Cooling water quantity required; max.cooling water pressure: 8 bar

尺寸以 mm 为单位

1) 轴：

- $m_6 \leq \varnothing 100$; $n_6 > \varnothing 100$
- 平键槽按照 DIN 6885/1
- 轮毂键槽宽度按照 ISO JS9
- 平键按照 DIN 6885/1 B 型
- 有关细节见第 94 - 98 页

*) 参考值：准确的数据应根据与合同相关的文件确定。

**) 未注油时

Dimensions in mm

1) Shafts:

- $m_6 \leq \varnothing 100$; $n_6 > \varnothing 100$
- Keyway acc. to DIN 6885/1
- Hub keyway width acc. to ISO JS9
- Parallel key acc. to DIN 6885/1 form B
- For details, see pages 94 - 98

*) Approximate values; exact data acc. to order-related documentation.

**) Without oil filling

03

齿轮箱

四级传动 卧式安装

类型 B4.H

规格 5-12

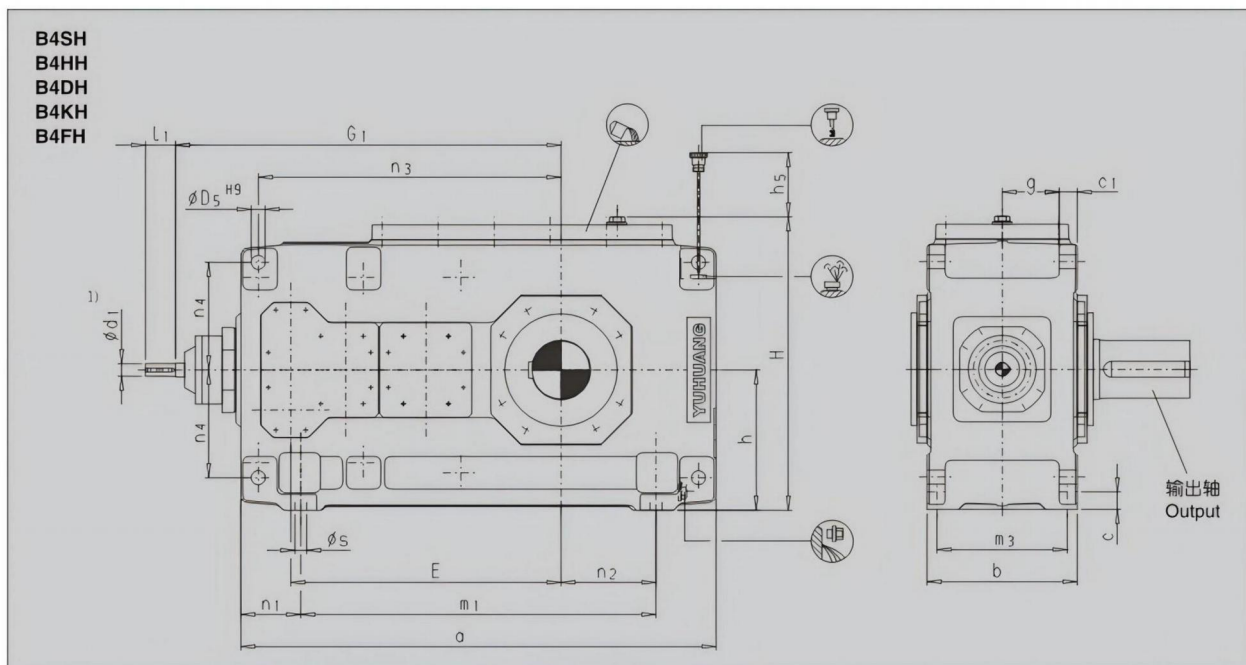
Gear Units

Four Stage

Horizontal

Type B4.H

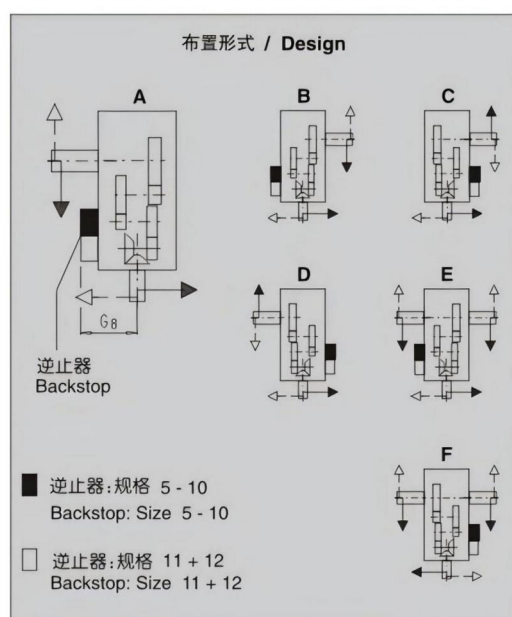
Sizes 5-12



规格 Size	输入轴 / Input					
	$i_N = 80-180$			$i_N = 200-315$		
	$i_N = 100-224$			$i_N = 250-400$		
	d_1	l_1		d_1	l_1	
4	28	55		20	50	G ₁
5 + 6	28	55		20	50	G ₁
7 + 8	30	70		25	60	G ₁
9 + 10	35	80		28	60	G ₁
11 + 12	45	100		35	80	G ₁

规格 Size	齿轮箱 / Gear units									
	b	c	c_1	D_5	g	h_1	m_3	n_1	n_4	s
4	215	28	30 ± 1	24	76.5	200	180	105	150	19
5 + 6	255	28	30 ± 1	24	97.5	230	220	105	180	19
7 + 8	300	35	36 ± 1	28	114	280	260	120	215	24
9 + 10	370	40	45 ± 1.5	36	140	320	320	145	245	28
11 + 12	430	50	54 ± 1.5	40	161	380	370	165	300	35

规格 Size	齿轮箱 / Gear units							逆止器 Backstop G8 ⁺⁾
	a	E	h_5	H	m_1	n_2	n_3	
4	635	350	100	415	410	85	400	
5	690	405	100	482	480	100	455	236
6	770	440	100	482	560	145	490	236
7	845	495	140	572	605	130	560	286
8	950	540	130	582	710	190	605	286
9	1000	580	135	662	710	155	660	317
10	1100	630	135	662	810	205	710	317
11	1200	705	170	782	870	180	805	333
12	1355	775	160	790	1025	265	875	333



+) 最大尺寸：细节应根据与合同相关的文件确定。

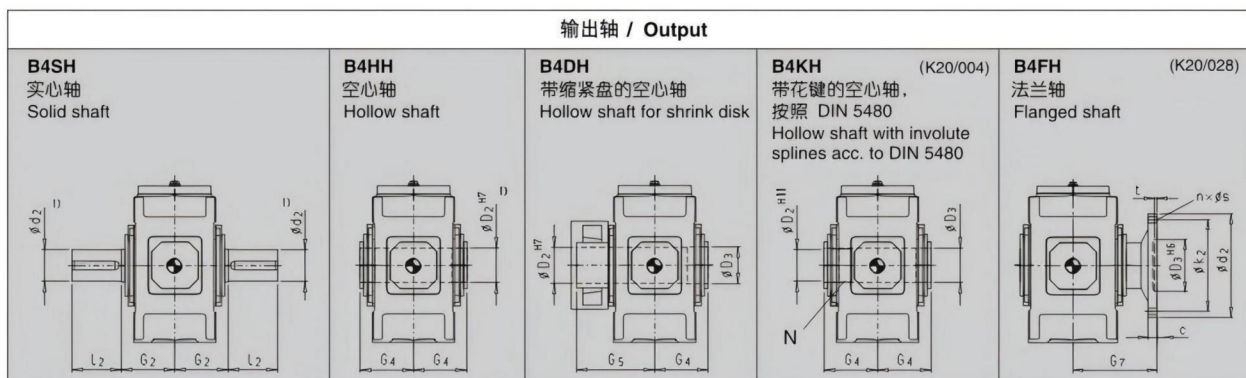
+) Max. dimensions; details acc. to order-related documentation.

03 | 齿轮箱

四级传动
卧式安装
类型 B4.H
规格 5-12

Gear Units

Four Stage
Horizontal
Type B4.H
Sizes 5-12



规格 Size	B4SH			B4HH		B4DH				B4KH				B4FH						
	d ₂	L ₂	G ₂	D ₂	G ₄	D ₂	D ₃	G ₄	G ₅	N / DIN 5480	D ₂	D ₃	G ₄	c	d ₂	D ₃	k ₂	n x s	t	G ₇
4	65	140	125	65	125	70	70	125	180											
5	100	210	165	95	165	100	100	165	240	N 95x3x30x30x9H	89	100	165	25	300	150	260	16x22	10	255
6	110	210	165	105	165	110	110	165	240	N 95x3x30x30x9H	89	110	165	25	320	160	280	18x22	10	255
7	120	210	195	115	195	120	120	195	280	N 120x3x30x38x9H	114	120	195	30	370	180	320	16x26	10	300
8	130	250	195	125	195	130	130	195	285	N 120x3x30x38x9H	114	130	195	30	390	190	340	18x26	10	300
9	140	250	235	135	235	140	145	235	330	N 140x3x30x45x9H	134	145	235	38	430	220	380	20x26	12	350
10	160	300	235	150	235	150	155	235	350	N 140x3x30x45x9H	134	155	235	38	470	240	420	22x26	12	350
11	170	300	270	165	270	165	170	270	400	N 170x5x30x32x9H	160	170	270	42	510	260	450	18x33	12	400
12	180	300	270	180	270	180	185	270	405	N 170x5x30x32x9H	160	185	270	42	540	280	480	22x33	12	400

规格 Size	润滑油量 Oil quantity (L) ¹⁾	重量 / Weight (kg) ^{*)} ^{**))}	
		B4SH B4HH B4DH B4KH	B4FH
4	14	285	
5	16	335	370
6	18	385	425
7	30	555	605
8	33	655	710
9	48	890	975
10	50	1025	1115
11	80	1485	1615
12	90	1750	1890

尺寸以 mm 为单位

1) 轴:

- $k_6 \leq \varnothing 25$ $\varnothing 28 \leq m_6 \leq 100$ $n_6 > \varnothing 100$
- 平键槽按照 DIN 6885/1
轮毂键槽宽度按照 ISO JS9
- 平键按照 DIN 6885/1 B 型
- 有关细节见第 94 - 103 页

*) 参考值: 准确的数据应根据与合同相关的文件确定。

**) 未注油时

Dimensions in mm

1) Shafts:

- $k_6 \leq \varnothing 25$ $\varnothing 28 \leq m_6 \leq 100$ $n_6 > \varnothing 100$
- Keyway acc. to DIN 6885/1
Hub keyway width acc. to ISO JS9
- Parallel key acc. to DIN 6885/1 form B
- For details, see pages 94 - 103

*) Approximate values; exact data acc. to order-related documentation.

**) Without oil filling

03

齿轮箱

四级传动 卧式安装

类型 B4.H

规格 13-20

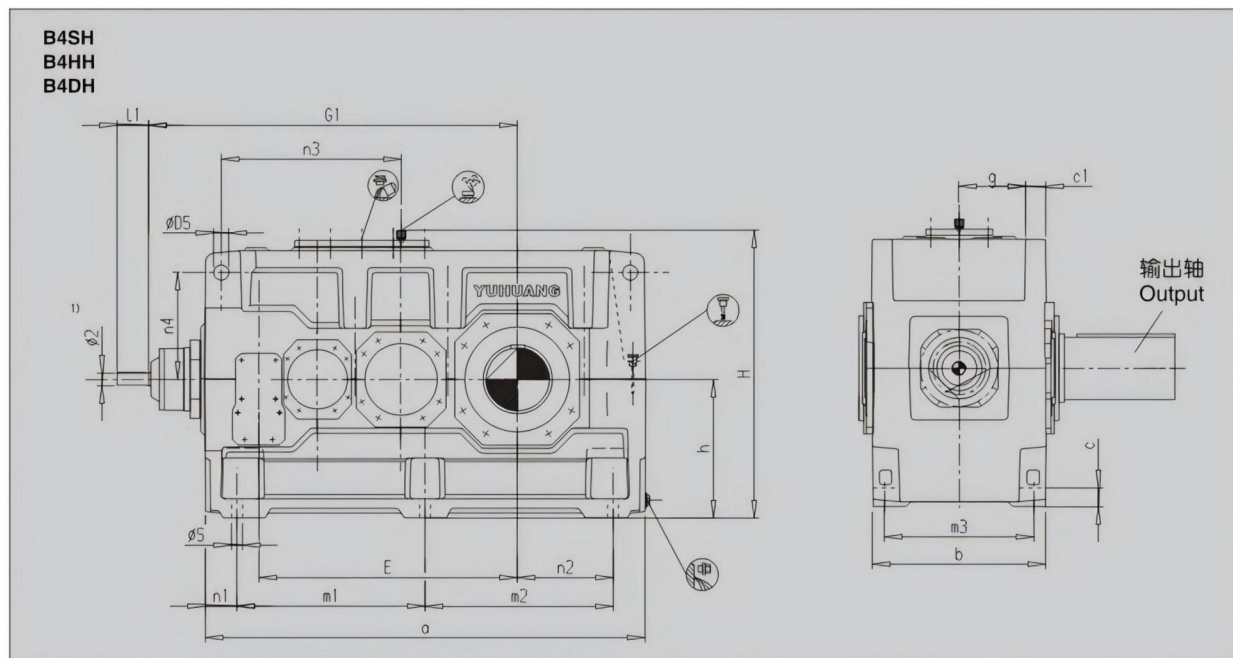
Gear Units

Four Stage

Horizontal

Type B4.H

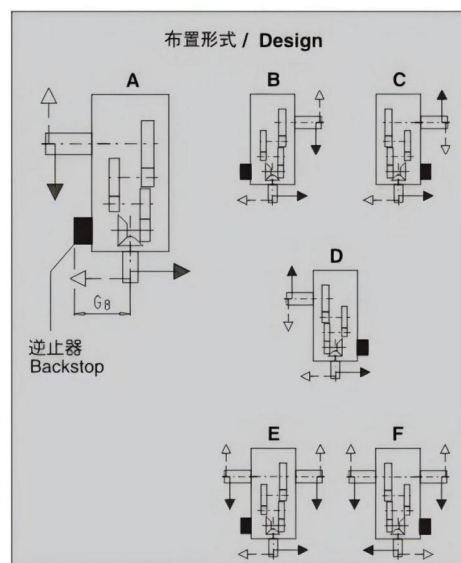
Sizes 13-20



规格 Size	输入轴 / Input					
	$i_N = 80-180$			$i_N = 200-315$		
	$i_N = 90-200$			$i_N = 224-355$		
	$i_N = 100-224$			$i_N = 250-400$		
	d_1	l_1		d_1	l_1	
13 +14	55	110		40	100	G_1
15 +16	70	135		50	110	G_1
17 +18	70	135		50	110	
19 +20	80	165		60	140	

规格 Size	齿轮箱 / Gear units									
	b	c	c_1	D_5	g	h_1	m_3	n_1	n_4	s
13 +14	550	60	61 ± 2	48	211.5	440	475	100	340	35
15 +16	625	70	72 ± 2	55	238	500	535	120	375	42
17 +18	690	80	81 ± 2	55	259	550	600	135	425	42
19 +20	790	90	91 ± 2	65	299	620	690	155	475	48

规格 Size	齿轮箱 / Gear units						
	a	E	H	m_1	m_2	n_2	n_3
13	1395	820	900	597.5	597.5	305	940
14	1535	890	900	597.5	737.5	375	1010
15	1680	987	1000	720	720	365	1135
16	1770	1033	1000	720	810	410	1180
17	1770	1035	1110	750	750	390	1175
18	1890	1095	1110	750	870	450	1235
19	2030	1190	1240	860	860	435	1365
20	2150	1250	1240	860	980	495	1425



+) 最大尺寸：细节应根据与合同相关的文件确定。

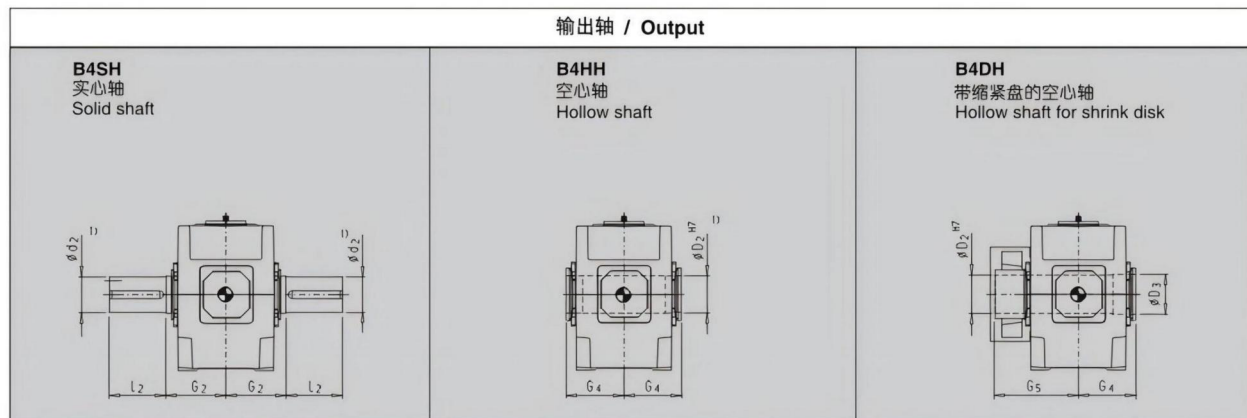
+) Max. dimensions; details acc. to order-related documentation.

03 | 齿轮箱

四级传动
卧式安装
类型 B4.H
规格 13-20

Gear Units

Four Stage
Horizontal
Type B4.H
Sizes 13-20



规格 Size	B4SH			B4HH		B4DH			
	d ₂	l ₂	G ₂	D ₂	G ₄	D ₂	D ₃	G ₄	G ₅
13	200	350	335	190	335	190	195	335	480
14	210	350	335	210	335	210	215	335	480
15	230	410	380	230	380	230	235	380	550
16	240	410	380	240	380	240	245	380	550
17	250	410	415	250	415	250	260	415	600
18	270	470	415	275	415	280	285	415	600
19	290	470	465			285	295	465	670
20	300	500	465			310	315	465	670

规格 Size	润滑油量 Oil quantity (L) *)	重量 Weight (kg) *) **	
	B4.H	B4SH B4HH B4DH	
13	145	2395	
14	150	2735	
15	230	3630	
16	235	3985	
17	295	4695	
18	305	5200	
19	480	6800	
20	550	8200	

尺寸以 mm 为单位

1) 轴 :

- $m_6 \leq \varnothing 100$ $n_6 > \varnothing 100$
- 平键槽按照 DIN 6885/1
- 轮毂键槽宽度按照 ISO JS9
- 平键按照 DIN 6885/1 B 型
- 有关细节见第 94 - 98 页

*) 参考值 : 准确的数据应根据与合同相关的文件确定。

**) 未注油时

Dimensions in mm

1) Shafts:

- $m_6 \leq \varnothing 100$ $n_6 > \varnothing 100$
- Keyway acc. to DIN 6885/1
- Hub keyway width acc. to ISO JS9
- Parallel key acc. to DIN 6885/1 form B
- For details, see pages 94 - 98

*) Approximate values; exact data acc. to documentation.

**) Without oil filling

03

齿轮箱

两级传动 立式安装

类型 H2.V

规格 3-12

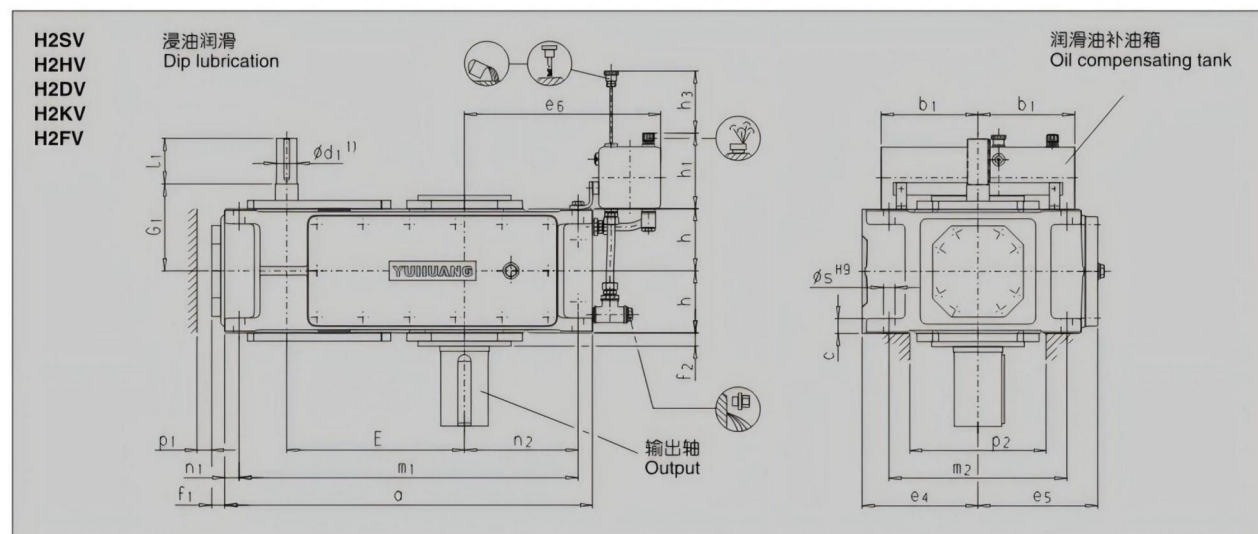
Gear Units

Two Stage

Vertical

Type H2.V

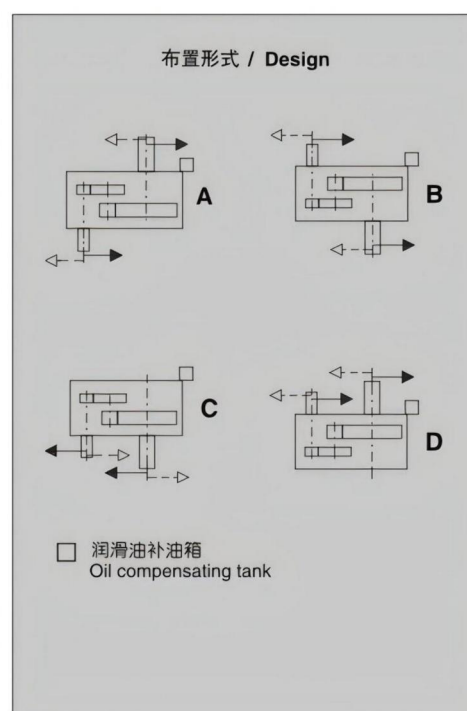
Sizes 3-12



规格 Size	输入轴 / Input						
	$i_N = 6.3-11.2$			$i_N = 12.5-22.4$			
	$i_N = 8-14$			$i_N = 16-28$			
	d_1	l_1	l_3	d_1	l_1	l_3	
3	35	60	60	28	50	50	135
4	45	100	80	32	80	60	170
5 +6	50	100	80	38	80	60	195
7 +8	60	135	105	50	110	80	210
9 +10	75	140	110	60	140	110	240
11 +12	90	165	130	70	140	105	275

规格 Size	齿轮箱 / Gear units										
	b_1	c	e_4	f_1	h	h_1	h_2	h_3	m_2	n_1	s
3	150	24 ± 1	175	28	95	165		100	265	20	18
4	150	30 ± 1	200	28	107.5	165	-	180	300	30	24
5 + 6	240	30 ± 1	230	38	127.5	205	190	240	360	30	24
7 + 8	240	36 ± 1	280	42	150	205	165	250	430	35	28
9 + 10	330	45 ± 1.5	320	42	185	275	205	330	490	40	36
11 + 12	330	54 ± 1.5	380	48	215	275	240	340	600	50	40

规格 Size	齿轮箱 / Gear units								
	a	e_5	e_6	E	f_2	m_1	n_2	p_1	p_2
3	450	185	290	220	20	410	125	35	210
4	565	215	320	270	22	505	160	35	220
5	640	252	385	315	28	580	175	35	270
6	720	252	425	350	28	660	220	35	270
7	785	292	425	385	30	715	215	35	330
8	890	302	485	430	32	820	275	35	330
9	925	342	560	450	32	845	260	40	370
10	1025	342	610	500	32	945	310	40	370
11	1105	402	595	545	35	1005	295	50	440
12	1260	410	680	615	35	1160	380	50	440

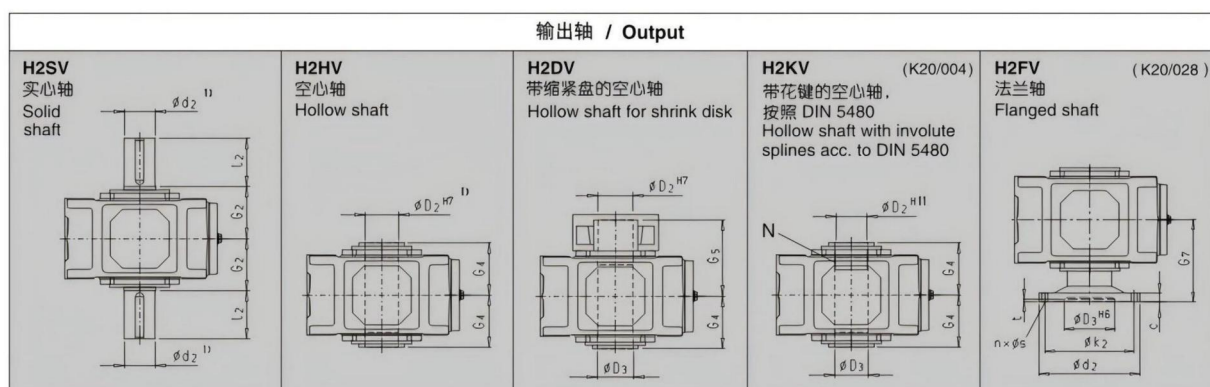


03 | 齿轮箱

两级传动
立式安装
类型 H2.V
规格 3-12

Gear Units

Two Stage
Vertical
Type H2.V
Sizes 3-12



规格 Size	H2SV			H2HV		H2DV				H2KV				H2FV						
	d ₂	l ₂	G ₂	D ₂	G ₄	D ₂	D ₃	G ₄	G ₅	N / DIN 5480	D ₂	D ₃	G ₄	c	d ₂	D ₃	k ₂	n x s	t	G ₇
3	65	140	125	65	125	70	70	125	180											
4	80	170	140	80	140	85	85	140	205	-	-	-	-	-	-	-	-	-	-	-
5	100	210	165	95	165	100	100	165	240	N 95x3x30x30x9H	89	100	165	25	300	150	260	16x22	10	255
6	110	210	165	105	165	110	110	165	240	N 95x3x30x30x9H	89	110	165	25	320	160	280	18x22	10	255
7	120	210	195	115	195	120	120	195	280	N120x3x30x38x9H	114	120	195	30	370	180	320	16x26	10	300
8	130	250	195	125	195	130	130	195	285	N120x3x30x38x9H	114	130	195	30	390	190	340	18x26	10	300
9	140	250	235	135	235	140	145	235	330	N140x3x30x45x9H	134	145	235	38	430	220	380	20x26	12	350
10	160	300	235	150	235	150	155	235	350	N140x3x30x45x9H	134	155	235	38	470	240	420	22x26	12	350
11	170	300	270	165	270	165	170	270	400	N170x5x30x32x9H	160	170	270	42	510	260	450	18x33	12	400
12	180	300	270	180	270	180	185	270	405	N170x5x30x32x9H	160	185	270	42	540	280	480	22x33	12	400

规格 Size	润滑油量 Oil quantity (L) *) 浸油润滑 Dip lubrication	重量 / Weight (kg) *) **)	
		H2SV H2HV H2DV H2KV	H2FV
3	14	115	
4	23	190	-
5	35	300	335
6	37	355	395
7	62	505	555
8	69	590	645
9	98	830	915
10	110	960	1050
11	160	1335	1465
12	180	1615	1755

冷却盘管 / Cooling coil

冷却盘管接口尺寸 G1/2"
Water connection for cooling coil G1/2"

输出轴
Output

规格 Size	m ₁₀	n ₁₀	e ₁₀	x) L/min
3	30	140	40	4
4	34	140	155	4
5	68	166	170	4
6	70	162	215	4
7	100	197	210	4
8	100	197	270	4
9	140	210	245	8
10	100	225	295	8
11	110	285	275	8
12	200	271	360	8

冷却盘管适用于淡水，海水和稍有咸味的水
Cooling coil suitable for fresh, sea and brackish water

x) 所需冷却水量；冷却水压力最大值：8 巴
Cooling water quantity required; max. cooling water pressure: 8 bar

尺寸以 mm 为单位

1) 轴：

- $m_6 \leq \varnothing 100$ $n_6 > \varnothing 100$
- 平键槽按照 DIN 6885/1
轮毂键槽宽度按照 ISO JS9
- 平键按照 DIN 6885/1B 型
- 有关细节见第 94 -103 页

*) 参考值：准确的数据应根据与合同相关的文件确定。

**) 未注油时

Dimensions in mm

1) Shafts:

- $m_6 \leq \varnothing 100$ $n_6 > \varnothing 100$
- Keyway acc. to DIN 6885/1
Hub keyway width acc. to ISO JS9
- Parallel key acc. to DIN 6885/1 form B
- For details, see pages 94 -103

*) Approximate values; exact data acc. to order-related documentation.

**) Without oil filling

03

齿轮箱

三级传动 立式安装

类型 H3.V

规格 4-12

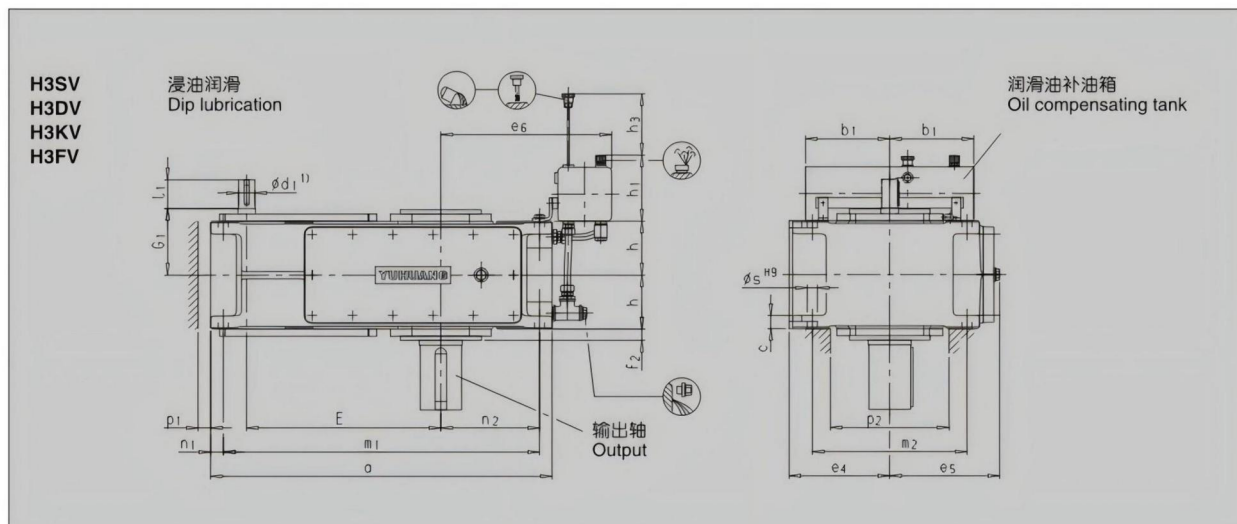
Gear Units

Three Stage

Vertical

Type H3.V

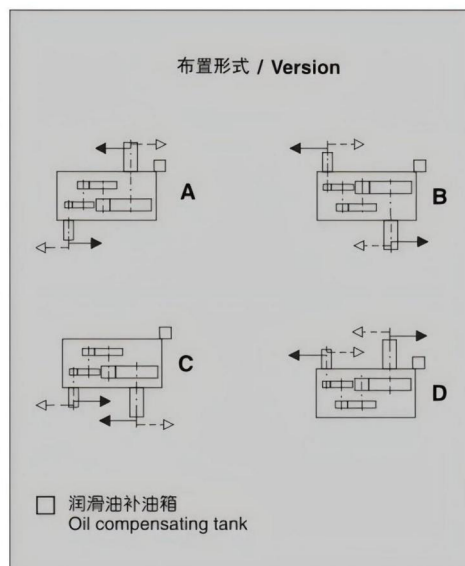
Sizes 4-12



规格 Size	输入轴 / Input						
	$i_N = 25-45$		$i_N = 50-63$		$i_N = 71-90$		
	$i_N = 31.5-56$		$i_N = 63-80$		$i_N = 90-112$		
	d_1	l_1	d_1	l_1	d_1	l_1	
4	30	50	24	40	24	40	135
5 +6	40	70	30	50	24	40	160
7 +8	45	80	35	60	28	50	185
9 +10	60	125	45	100	32	80	230
11 +12	70	120	50	80	42	70	255

规格 Size	齿轮箱 / Gear units											
	b	c	e ₄	h	h ₁	h ₂	h ₃	m ₂	n ₁	p ₁	p ₂	s
4	215	28 ± 1	200	107.5	165		100	300	30	35	220	24
5 + 6	240	30 ± 1	230	127.5	205	190	240	360	30	35	270	24
7 + 8	240	36 ± 1	280	150	205	165	250	430	35	35	330	28
9 + 10	330	45 ± 1.5	320	185	275	205	330	490	40	40	370	36
11 + 12	330	54 ± 1.5	380	215	275	240	340	600	50	50	440	40

规格 Size	齿轮箱 / Gear units						
	a	e _s	e ₆	E	f ₂	m ₁	n ₂
4	670	215	320	350	22	560	160
5	690	252	385	405	28	630	175
6	770	252	425	440	28	710	220
7	845	292	425	495	30	775	215
8	950	302	485	540	32	880	275
9	1000	342	560	580	32	920	260
10	1100	342	610	630	32	1020	310
11	1200	402	595	705	35	1100	295
12	1355	410	680	775	35	1255	380



+) 最大尺寸：细节应根据与合同相关的文件确定。

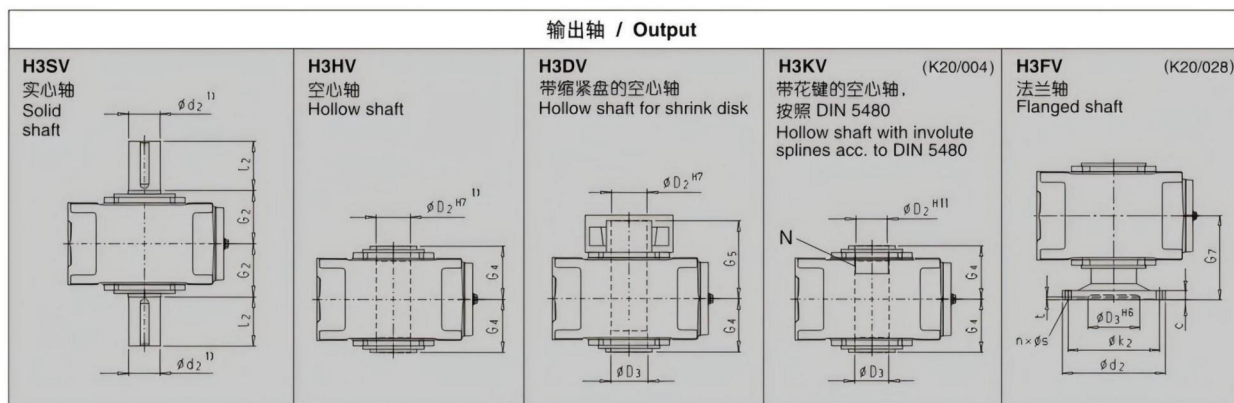
+) Max. dimensions; details acc. to order-related documentation.

03 | 齿轮箱

三级传动
立式安装
类型 H3.V
规格 4-12

Gear Units

Three Stage
Vertical
Type H3.V
Sizes 4-12



规格 Size	H3SV			H3HV		H3DV				H3KV				H3FV						
	d ₂	l ₂	G ₂	D ₂	G ₄	D ₂	D ₃	G ₄	G ₅	N / DIN 5480	D ₂	D ₃	G ₄	c	d ₂	D ₃	k ₂	n x s	t	G ₇
4	80	170	140	80	140	85	85	140	205											
5	100	210	165	95	165	100	100	165	240	N 95x3x30x30x9H	89	100	165	25	300	150	260	16x22	10	255
6	110	210	165	105	165	110	110	165	240	N 95x3x30x30x9H	89	110	165	25	320	160	280	18x22	10	255
7	120	210	195	115	195	120	120	195	280	N120x3x30x38x9H	114	120	195	30	370	180	320	16x26	10	300
8	130	250	195	125	195	130	130	195	285	N120x3x30x38x9H	114	130	195	30	390	190	340	18x26	10	300
9	140	250	235	135	235	140	145	235	330	N140x3x30x45x9H	134	145	235	38	430	220	380	20x26	12	350
10	160	300	235	150	235	150	155	235	350	N140x3x30x45x9H	134	155	235	38	470	240	420	22x26	12	350
11	170	300	270	165	270	165	170	270	400	N170x5x30x32x9H	160	170	270	42	510	260	450	18x33	12	400
12	180	300	270	180	270	180	185	270	405	N170x5x30x32x9H	160	185	270	42	540	280	480	22x33	12	400

规格 Size	润滑油量 Oil quantity (L) ¹⁾ 浸油润滑 Dip lubrication	重量 / Weight (kg) ^{*)} ^{**))}	
		H3SV H3HV H3DV H3KV	H3FV
4	30	260	
5	36	320	355
6	40	365	405
7	64	540	590
8	70	625	680
9	110	875	960
10	120	1020	1110
11	190	1400	1530
12	205	1675	1815

冷却盘管 / Cooling coil				
冷却盘管接口尺寸 G1/2" Water connection for cooling coil G1/2"				
规格 Size	m ₁₀	n ₁₀	e ₁₂	x) L/min
4	60	155	160	4
5	70	170	175	4
6	70	161	220	4
7	80	197	210	4
8	80	197	270	4
9	150	213	245	4
10	90	225	295	4
11	200	265	275	8
12	200	265	360	8

冷却盘管适用于淡水，海水和稍有咸味的水
Cooling coil suitable for fresh, sea and brackish water

x) 所需冷却水量；冷却水压力最大值：8 巴
Cooling water quantity required; max. cooling water pressure: 8 bar

尺寸以 mm 为单位

1) 轴：

• k₆ = Ø 24 Ø 28 ≤ m₆ ≤ Ø 100 n₆ > Ø 100

• 平键槽按照 DIN 6885/1

• 轮毂键槽宽度按照 ISO JS9

• 平键按照 DIN 6885/1B 型

• 有关细节见第 94-103 页

*) 参考值：准确的数据应根据与合同相关的文件确定。

**) 未注油时

Dimensions in mm

1) Shafts:

• k₆ = Ø 24 Ø 28 ≤ m₆ ≤ Ø 100 n₆ > Ø 100

• Keyway acc. to DIN 6885/1

• Hub keyway width acc. to ISO JS9

• Parallel key acc. to DIN 6885/1 form B

• For details, see pages 94-103

*) Approximate values; exact data acc. to order-related documentation.

**) Without oil filling

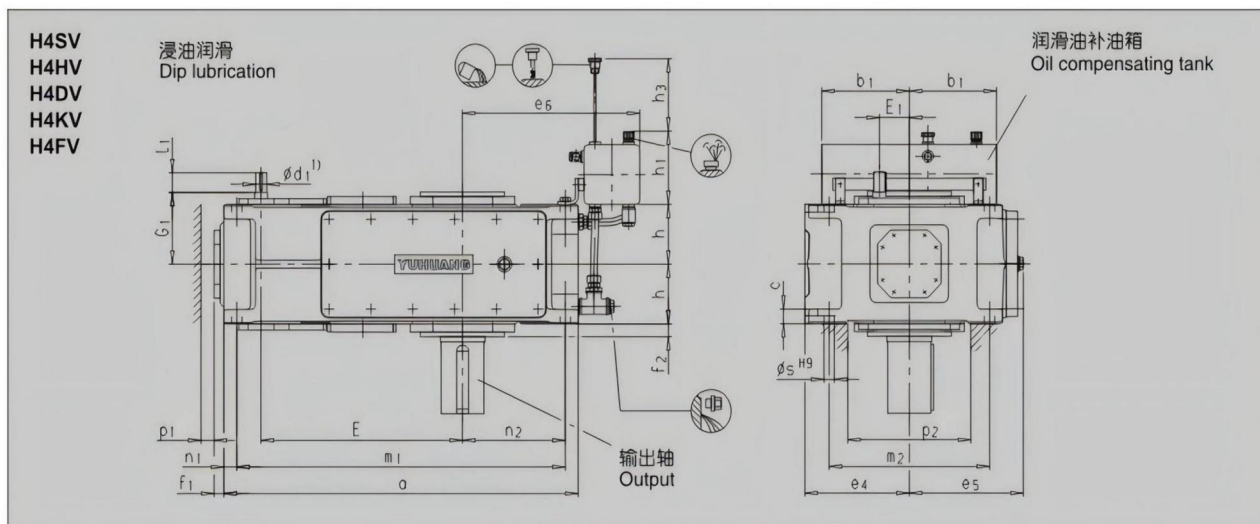
03

齿轮箱

四级传动 立式安装
类型 H4.V
规格 7-12

Gear Units

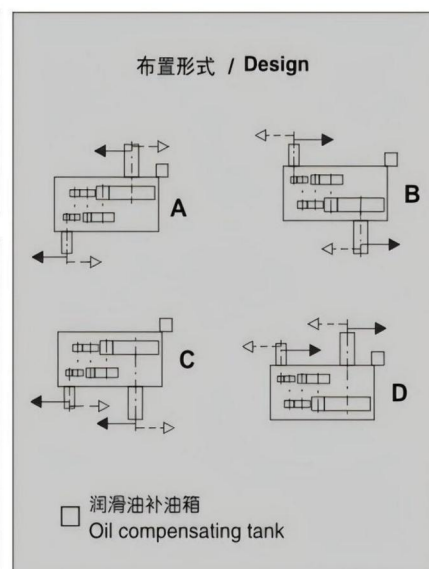
Four Stage
Vertical
Type H4.V
Sizes 7-12



规格 Size	输入轴 / Input				
	i _N = 100-180		i _N = 200-355		
	i _N = 125-224		i _N = 250-450		
	d ₁	l ₁	d ₁	l ₁	
7 +8	30	50	24	40	180
9 +10	35	60	28	50	215
11 +12	45	100	32	80	250

规格 Size	齿轮箱 / Gear units													
	b ₁	c	e ₄	E ₁	f ₁	h	h ₁	h ₂	h ₃	m ₂	n ₁	p ₁	p ₂	s
7 + 8	240	36 ± 1	280	80	37	150	205	165	250	430	35	35	330	28
9 + 10	330	45 ± 1.5	320	90	43	185	275	205	330	490	40	40	370	36
11 + 12	330	54 ± 1.5	380	110	47	215	275	240	340	600	50	50	440	40

规格 Size	齿轮箱 / Gear units						
	a	e ₅	e ₆	E	f ₂	m ₁	n ₂
7	845	292	425	495	30	775	215
8	950	302	485	540	32	880	275
9	1000	342	560	580	32	920	260
10	1100	342	610	630	32	1020	310
11	1200	402	595	705	35	1100	295
12	1355	410	680	775	35	1255	380



+) 最大尺寸：细节应根据与合同相关的文件确定。

+) Max. dimensions; details acc. to order-related documentation.

03

齿轮箱

四级传动

立式安装

类型 H4.V

规格 7-12

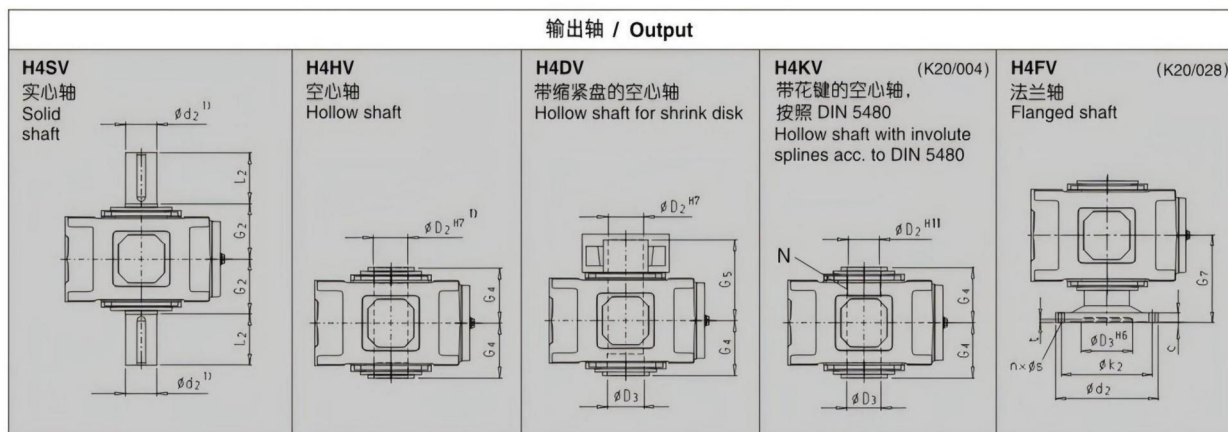
Gear Units

Four Stage

Vertical

Type H4.V

Sizes 7-12



规格 Size	H4SV			H4HV		H4DV				H4KV				H4FV						
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5	N / DIN 5480	D_2	D_3	G_4	c	d_2	D_3	k_2	n x s	t	G_7
7	120	210	195	115	195	120	120	195	280	N120x3x30x38x9H	114	120	195	30	370	180	320	16x26	10	300
8	130	250	195	125	195	130	130	195	285	N120x3x30x38x9H	114	130	195	30	390	190	340	18x26	10	300
9	140	250	235	135	235	140	145	235	330	N140x3x30x45x9H	134	145	235	38	430	220	380	20x26	12	350
10	160	300	235	150	235	150	155	235	350	N140x3x30x45x9H	134	155	235	38	470	240	420	22x26	12	350
11	170	300	270	165	270	165	170	270	400	N170x5x30x32x9H	160	170	270	42	510	260	450	18x33	12	400
12	180	300	270	180	270	180	185	270	405	N170x5x30x32x9H	160	185	270	42	540	280	480	22x33	12	400

规格 Size	润滑油量 Oil quantity (L) *) 浸油润滑 Dip lubrication	重量 / Weight (kg) *) **)	
		H4SV H4HV H4DV H4KV	H4FV
7	60	550	600
8	65	645	700
9	105	875	960
10	110	1010	1100
11	175	1460	1590
12	200	1725	1865

尺寸以 mm 为单位

1) 轴:

• $k_6 = \emptyset 24$ $\emptyset 28 \leq m_6 \leq \emptyset 100$ $n_6 > \emptyset 100$

• 平键槽按照 DIN 6885/1

• 轮毂键槽宽度按照 ISO JS9

• 平键按照 DIN 6885/1 B 型

• 有关细节见第 94-103 页

*) 参考值: 准确的数据应根据与合同相关的文件确定。

**) 未注油时

Dimensions in mm

1) Shafts:

• $k_6 = \emptyset 24$ $\emptyset 28 \leq m_6 \leq \emptyset 100$ $n_6 > \emptyset 100$

• Keyway acc. to DIN 6885/1

Hub keyway width acc. to ISO JS9

• Parallel key acc. to DIN 6885/1 form B

• For details, see pages 94-103

*) Approximate values; exact data acc. to order-related documentation.

**) Without oil filling

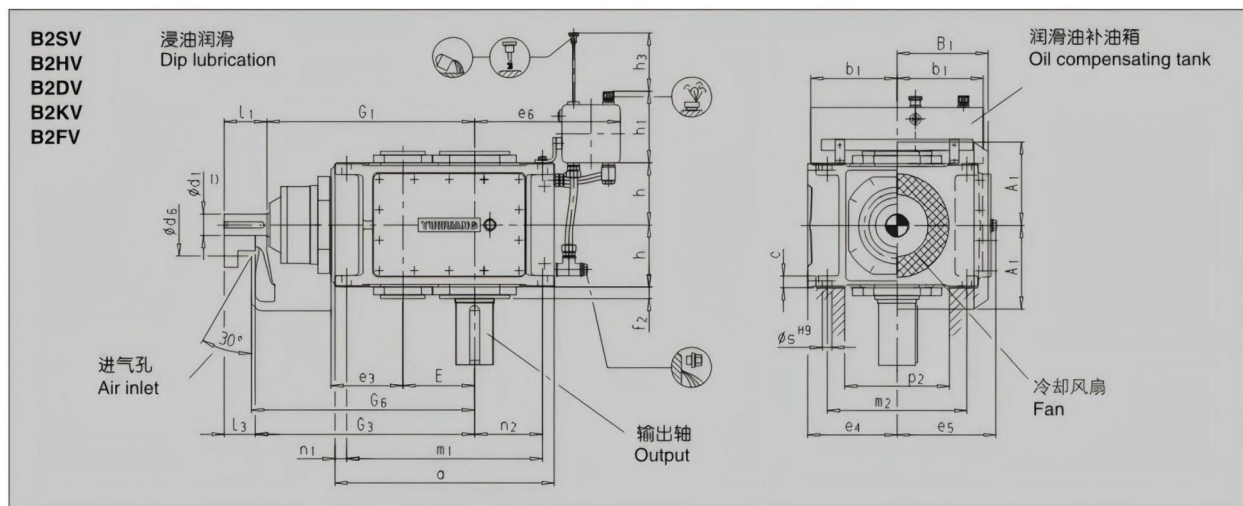
03

齿轮箱

两级传动 立式安装
类型 B2.V
规格 4-12

Gear Units

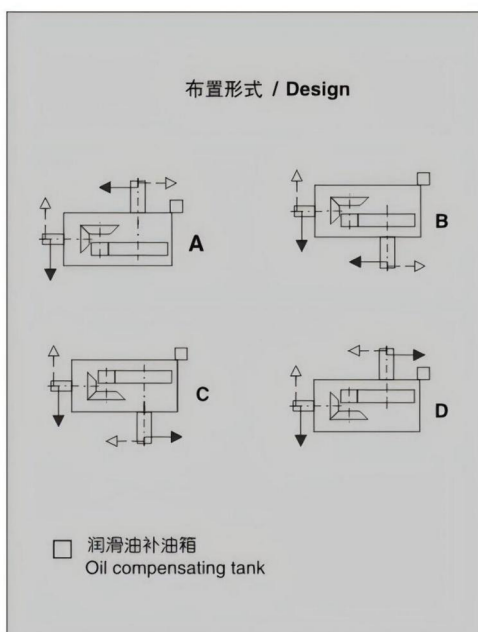
Two Stage
Vertical
Type B2.V
Sizes 4-12



规格 Size	输入轴 / Input							冷却风扇 / Fan		
	$i_N = 5-11.2$									
	$i_N = 6.3-14$									
	d_1	l_1	l_3	G_1	G_3	G_1	G_3	A_1	B_1	d_6
4	45	100	80	465	485	-	-	188	200	150
5 +6	55	110	80	535	565	570	600	215	235	160
7 +8	70	135	105	640	670	685	715	250	285	210
9 +10	80	165	130	755	790	805	840	270	325	195
11 +12	90	165	130	925	960	995	1030	328	385	210

规格 Size	齿轮箱 / Gear units											
	b_1	c	e_3	e_4	e_5	f_2	h	h_1	h_3	m_2	n_1	s
4	150	30 ± 1	100	200	215	26	135	165	180	300	30	24
5 + 6	240	30 ± 1	185	230	252	30	160	205	240	360	30	24
7 + 8	240	36 ± 1	225	280	302	32	190	205	250	430	35	28
9 + 10	330	45 ± 1.5	265	320	342	45	220	275	330	490	40	36
11 + 12	330	54 ± 1.5	320	380	410	47	265	275	340	600	50	40

规格 Size	齿轮箱 / Gear units						
	a	e_6	E	G_6	m_1	n_2	p_2
4	505	320	160	495	445	160	220
5	565	385	185	575	505	175	270
6	645	425	220	610	585	220	270
7	690	425	225	685	620	215	330
8	795	485	270	730	725	275	330
9	820	560	265	805	740	260	370
10	920	610	315	855	840	310	370
11	975	595	320	980	875	295	440
12	1130	680	390	1050	1030	380	440



+) 最大尺寸：细节应根据与合同相关的文件确定。

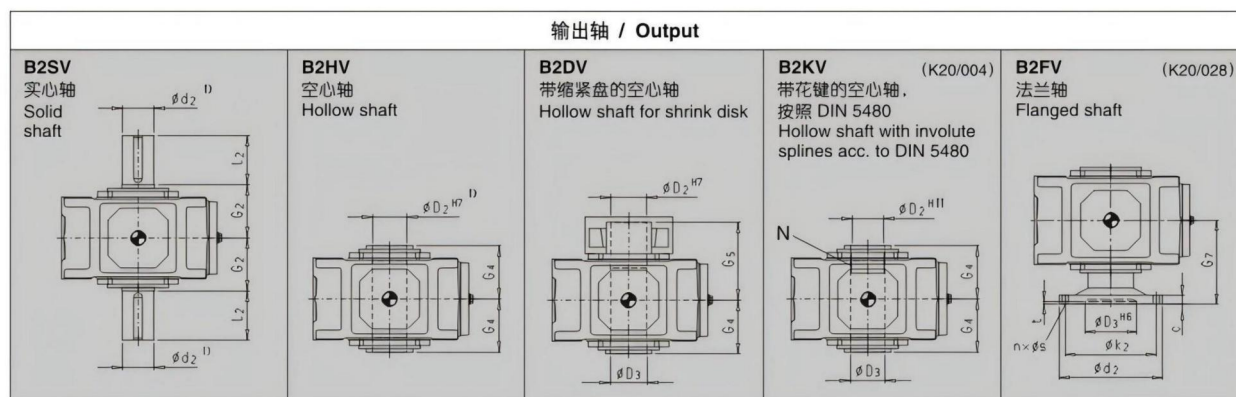
+) Max. dimensions; details acc. to order-related documentation.

03 | 齿轮箱

两级传动
立式安装
类型 B2.V
规格 4-12

Gear Units

Two Stage
Vertical
Type B2.V
Sizes 4-12

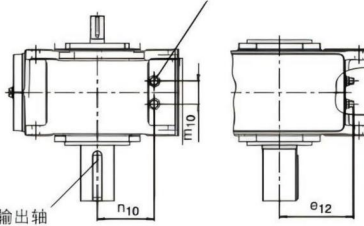


规格 Size	B2SV			B2HV		B2DV				B2KV				B2FV						
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5	N / DIN 5480	D_2	D_3	G_4	c	d_2	D_3	k_2	n x s	t	G_7
4	80	170	170	80	170	85	85	170	235	-	-	-	-	-	-	-	-	-	-	-
5	100	210	200	95	200	100	100	200	275	N 95x3x30x30x9H	89	100	200	25	300	150	260	16x22	10	290
6	110	210	200	105	200	110	110	200	275	N 95x3x30x30x9H	89	110	200	25	320	160	280	18x22	10	290
7	120	210	235	115	235	120	120	235	320	N 120x3x30x38x9H	114	120	235	30	370	180	320	16x26	10	340
8	130	250	235	125	235	130	130	235	325	N 120x3x30x38x9H	114	130	235	30	390	190	340	18x26	10	340
9	140	250	270	135	270	140	145	270	365	N 140x3x30x45x9H	134	145	270	38	430	220	380	20x26	12	385
10	160	300	270	150	270	150	155	270	385	N 140x3x30x45x9H	134	155	270	38	470	240	420	22x26	12	385
11	170	300	320	165	320	165	170	320	450	N 170x5x30x32x9H	160	170	320	42	510	260	450	18x33	12	450
12	180	300	320	180	320	180	185	320	455	N 170x5x30x32x9H	160	185	320	42	540	280	480	22x33	12	450

规格 Size	润滑油量 Oil quantity (L) *) 浸油润滑 Dip lubrication	重量 / Weight (kg) *) **)	
		B2SV B2HV B2DV B2KV	B2FV
4	23.5	235	-
5	38	360	400
6	46	410	455
7	74	615	670
8	81	700	760
9	115	1000	1090
10	120	1155	1250
11	190	1640	1775
12	225	1910	2060

冷却盘管 / Cooling coil

冷却盘管接口尺寸 G1/2"
Water connection for cooling coil G1/2"



输出轴
Output

冷却盘管适用于淡水，海水和稍有咸味的水
Cooling coil suitable for fresh, sea and brackish water

x) 所需冷却水量；冷却水压力最大值：8 巴
Cooling water quantity required; max. cooling water pressure: 8 bar

规格 Size	m ₁₀	n ₁₀	e ₁₀	x) L/min
4	74	146	160	4
5	130	168	175	8
6	120	162	220	4
7	140	200	210	8
8	140	200	270	4
9	232	210	245	8
10	150	230	295	8
11	312	265	275	8
12	300	265	360	8

尺寸以 mm 为单位

1) 轴：

- $m_6 \leq \varnothing 100$ $n_6 > \varnothing 100$
- 平键槽按照 DIN 6885/1
轮毂键槽宽度按照 ISO JS9
- 平键按照 DIN 6885/1B 型
- 有关细节见第 94-103 页

2) 对空心轴减速机布置形式 A, D 请垂询。

*) 参考值：准确的数据应根据与合同相关的文件确定。

**) 未注油时

Dimensions in mm

1) Shafts:

- $m_6 \leq \varnothing 100$ $n_6 > \varnothing 100$
- Keyway acc. to DIN 6885/1
Hub keyway width acc. to ISO JS9
- Parallel key acc. to DIN 6885/1 form B
- For details, see pages 94-103

2) For shaft-mounted gear units, designs A, D on request.

*) Approximate values; exact data acc. to order-related documentation.

**) Without oil filling

03

齿轮箱

三级传动 立式安装

类型 B3.V

规格 3-12

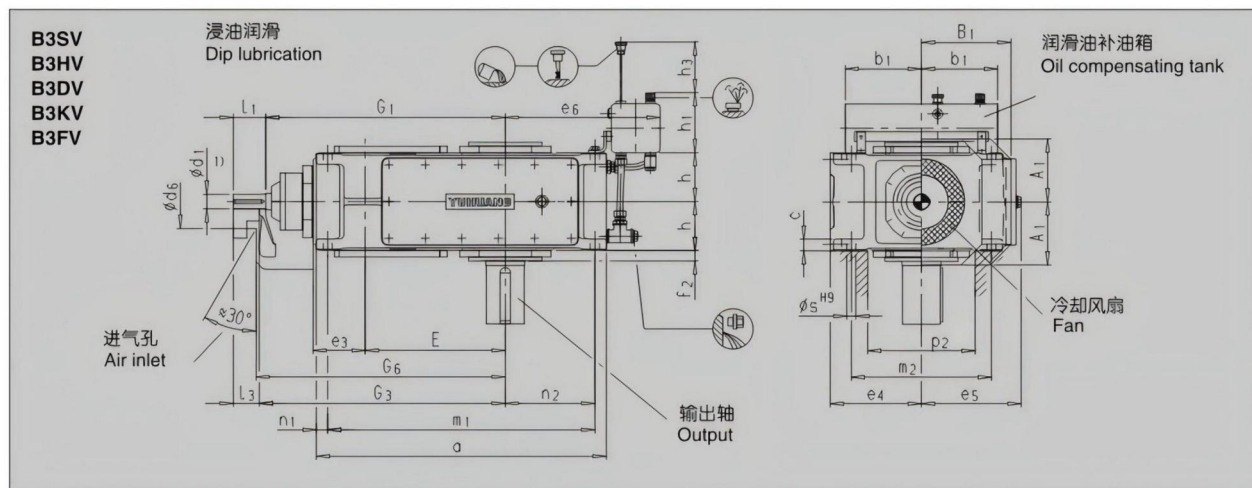
Gear Units

Three Stage

Vertical

Type B3.V

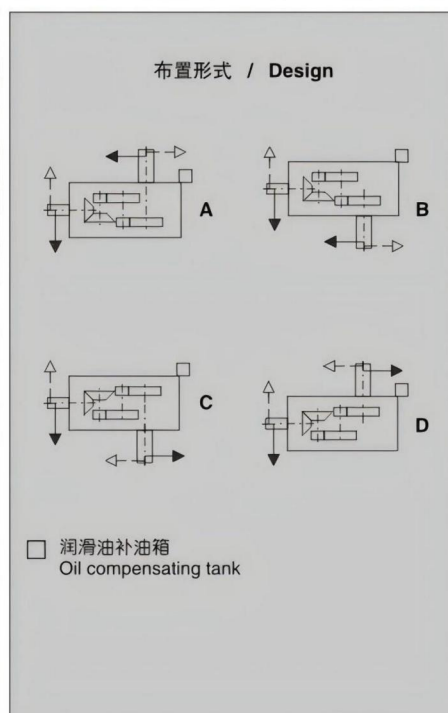
Sizes 3-12



规格 Size	输入轴 / Input										冷却风扇 / Fan		
	$i_N = 12.5-45$			$i_N = 50-71$									
	$i_N = 16-56$			$i_N = 63-90$									
	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3	G_1	G_3	A_1	B_1	d_6
3	28	55	40	20	50	35	430	445			128	170	90
4	30	70	50	25	60	40	500	520	-	-	143	200	110
5 +6	35	80	60	28	60	40	575	595	610	630	168	235	130
7 +8	45	100	80	35	80	60	690	710	735	755	193	275	165
9 +10	55	110	80	40	100	70	800	830	850	880	231	325	175
11 +12	70	135	105	50	110	80	960	990	1030	1060	263	385	190

规格 Size	齿轮箱 / Gear units										
	b_1	c	e_3	e_4	h	h_1	h_3	m_2	n_1	p_2	s
3	150	24±1	90	175	95	165	100	265	20	210	18
4	150	30±1	110	200	107.5	165	180	300	30	220	24
5+6	240	30±1	130	230	127.5	205	240	360	30	270	24
7+8	240	36±1	160	280	150	205	250	430	35	330	28
9+10	330	45±1.5	185	320	185	275	330	490	40	370	36
11+12	330	54±1.5	225	380	215	275	340	600	50	440	40

规格 Size	齿轮箱 / Gear units							
	a	e_5	e_6	E	f_2	G_6	m_1	n_2
3	450	185	290	220	20	455	410	125
4	565	215	320	270	22	530	505	160
5	640	252	385	315	28	605	580	175
6	720	252	425	350	28	640	660	220
7	785	292	425	385	30	720	715	215
8	890	302	485	430	32	765	820	275
9	925	342	560	450	32	845	845	260
10	1025	342	610	500	32	895	945	310
11	1105	402	595	545	35	1010	1005	295
12	1260	410	680	615	35	1080	1160	380



+) 最大尺寸：细节应根据与合同相关的文件确定。

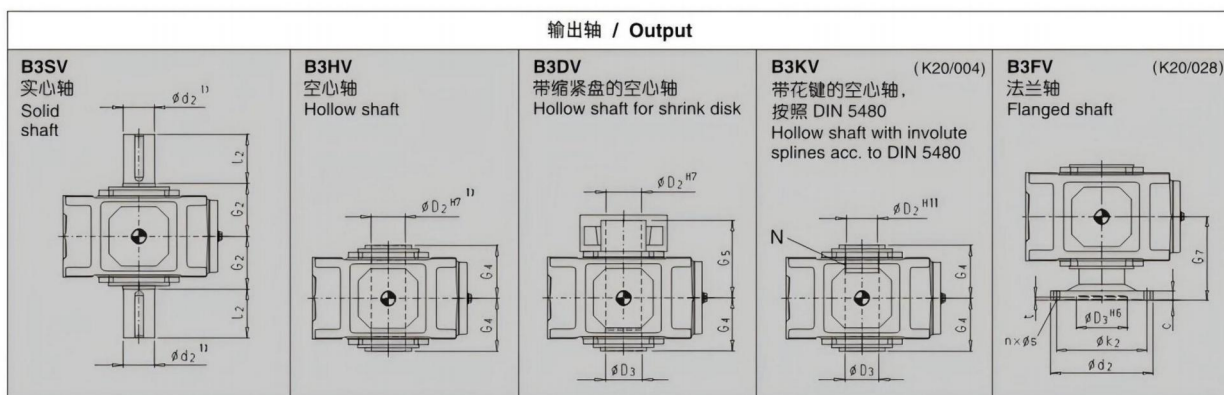
+) Max. dimensions; details acc. to order-related documentation.

03 | 齿轮箱

三级传动
立式安装
类型 B3.V
规格 3-12

Gear Units

Three Stage
Vertical
Type B3.V
Sizes 3-12



规格 Size	B3SV			B3HV			B3DV			B3KV				B3FV						
	d ₂	l ₂	G ₂	D ₂	G ₄	D ₂	D ₃	G ₄	G ₅	N / DIN 5480	D ₂	D ₃	G ₄	c	d ₂	D ₃	k ₂	n x s	t	G ₇
3	65	140	125	65	125	70	70	125	180											
4	80	170	140	80	140	85	85	140	205	-	-	-	-	-	-	-	-	-	-	-
5	100	210	165	95	165	100	100	165	240	N 95x30x30x30x9H	89	100	165	25	300	150	260	16x22	10	255
6	110	210	165	105	165	110	110	165	240	N 95x30x30x30x9H	89	110	165	25	320	160	280	18x22	10	255
7	120	210	195	115	195	120	120	195	280	N120x30x30x38x9H	114	120	195	30	370	180	320	16x26	10	300
8	130	250	195	125	195	130	130	195	285	N120x30x30x38x9H	114	130	195	30	390	190	340	18x26	10	300
9	140	250	235	135	235	140	145	235	330	N140x30x30x45x9H	134	145	235	38	430	220	380	20x26	12	350
10	160	300	235	150	235	150	155	235	350	N140x30x30x45x9H	134	155	235	38	470	240	420	22x26	12	350
11	170	300	270	165	270	165	170	270	400	N170x50x30x32x9H	160	170	270	42	510	260	450	18x33	12	400
12	180	300	270	180	270	180	185	270	405	N170x50x30x32x9H	160	185	270	42	540	280	480	22x33	12	400

规格 Size	润滑油量 Oil quantity (L) ')	重量 / Weight (kg) *) **)	
		B3SV B3HV B3DV B3KV	B3FV
3	14	115	
4	20	210	-
5	34	325	360
6	36	380	420
7	60	550	600
8	68	635	690
9	96	890	975
10	105	1020	1110
11	155	1455	1585
12	175	1730	1870

冷却盘管 / Cooling coil

冷却盘管接口尺寸 G1/2"
Water connection for cooling coil G1/2"

输出轴
Output

冷却盘管适用于淡水，海水和稍有咸味的水
Cooling coil suitable for fresh, sea and brackish water

x) 所需冷却水量；冷却水压力最大值：8 巴
Cooling water quantity required; max. cooling water pressure: 8 bar

规格 Size	m ₁₀	m ₁₀	e ₁₂	x) L / min
3	30	140	40	4
4	34	140	155	4
5	68	168	170	4
6	70	162	215	4
7	100	197	210	4
8	100	197	270	4
9	140	210	245	8
10	100	225	295	8
11	110	285	275	8
12	200	271	360	8

尺寸以 mm 为单位

1) 轴：

• k 6 = Ø 25 Ø 28 ≤ m 6 ≤ Ø 100 n 6 > Ø 100

• 平键槽按照 DIN 6885/1

• 轮毂键槽宽度按照 ISO JS9

• 平键按照 DIN 6885/1B 型

• 有关细节见第 94-103 页

2) 对空心轴减速机布置形式 A, D 请垂询。

*) 参考值：准确的数据应根据与合同相关的文件确定。

**) 未注油时

Dimensions in mm

1) Shafts:

• k₆ = Ø 25 Ø 28 ≤ m₆ ≤ Ø 100 n₆ > Ø 100

• Keyway acc. to DIN 6885/1

• Hub keyway width acc. to ISO JS9

• Parallel key acc. to DIN 6885/1 form B

• For details, see pages 94-103

2) For shaft-mounted gear units, designs A, D on request.

*) Approximate values; exact data acc. to order-related documentation.

**) Without oil filling

03

齿轮箱

四级传动 立式安装

类型 B4.V

规格 5-12

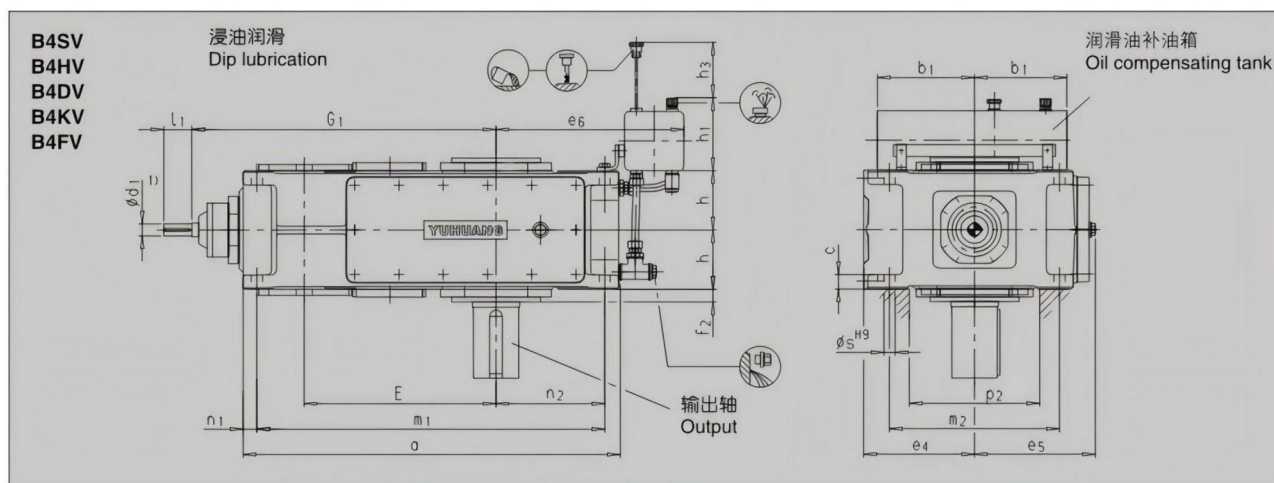
Gear Units

Four Stage

Vertical

Type B4.V

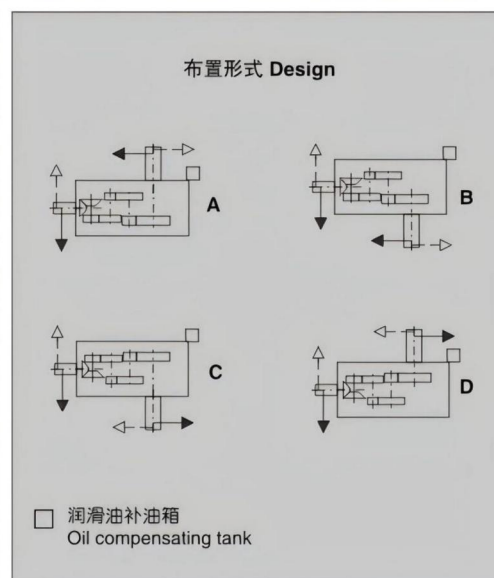
Sizes 5-12



规格 Size	输入轴 / Input					
	$i_N = 80 - 180$		$i_N = 200 - 315$			
	$i_N = 100 - 224$		$i_N = 250 - 400$			
	d_1	l_1	d_1	l_1		
5 +6	28	55	20	50	615	650
7 +8	30	70	25	60	725	770
9 +10	35	80	28	60	840	890
11 +12	45	100	35	80	1010	1080

规格 Size	齿轮箱 / Gear units									
	b ₁	c ₁	e ₄	h	h ₁	h ₃	m ₂	n ₁	p ₂	s
5 + 6	240	30 ± 1	230	127.5	205	240	360	30	270	24
7 + 8	240	36 ± 1	280	150	205	250	430	35	330	28
9 + 10	330	45 ± 1.5	320	185	275	330	490	40	370	36
11 + 12	330	54 ± 1.5	380	215	275	340	600	50	440	40

规格 Size	齿轮箱 / Gear units						
	a	e ₅	e ₆	E	f ₂	m ₁	n ₂
5	690	252	385	405	28	630	175
6	770	252	425	440	28	710	220
7	845	292	425	495	30	775	215
8	950	302	485	540	32	880	275
9	1000	342	560	580	32	920	260
10	1100	342	610	630	32	1020	310
11	1200	402	595	705	35	1100	295
12	1355	410	680	775	35	1255	380



+) 最大尺寸：细节应根据与合同相关的文件确定

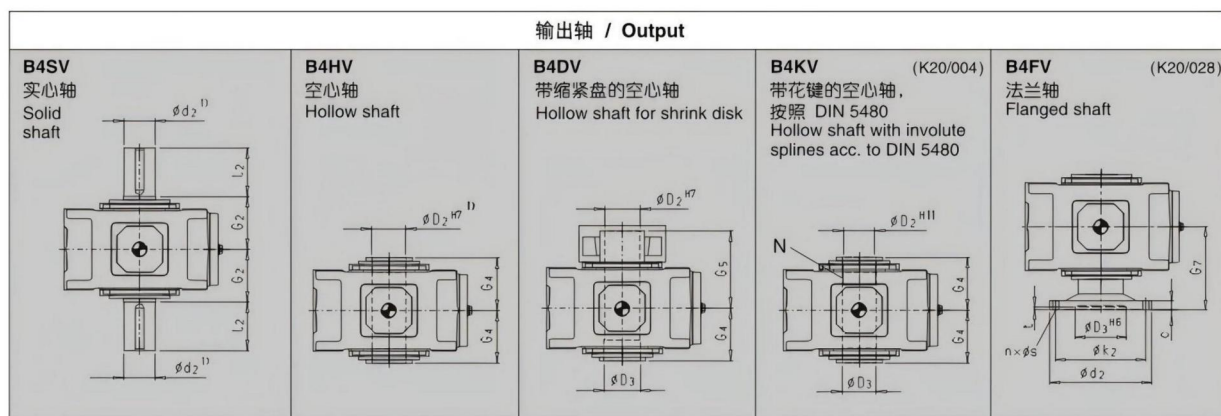
+) Max. dimensions; details acc. to order-related documentation.

03 | 齿轮箱

四级传动
立式安装
类型 B4.V
规格 5-12

Gear Units

Four Stage
Vertical
Type B4.V
Sizes 5-12



规格 Size	B4SV			B4HV		B4DV				B4KV					B4FV						
	d ₂	l ₂	G ₂	D ₂	G ₄	D ₂	D ₃	G ₄	G ₅	N / DIN 5480	D ₂	D ₃	G ₄	c	d ₂	D ₃	k ₂	n x s	t	G ₇	
5	100	210	165	95	165	100	100	165	240	N95x3x30x30x9H	89	100	165	25	300	150	260	16x22	10	255	
6	110	210	165	105	165	110	110	165	240	N 95x3x30x30x9H	89	110	165	25	320	160	280	18x22	10	255	
7	120	210	195	115	195	120	120	195	280	N120x3x30x38x9H	114	120	195	30	370	180	320	16x26	10	300	
8	130	250	195	125	195	130	130	195	285	N120x3x30x38x9H	114	130	195	30	390	190	340	18x26	10	300	
9	140	250	235	135	235	140	145	235	330	N140x3x30x45x9H	134	145	235	38	430	220	380	20x26	12	350	
10	160	300	235	150	235	150	155	235	350	N140x3x30x45x9H	134	155	235	38	470	240	420	22x26	12	350	
11	170	300	270	165	270	165	170	270	400	N170x5x30x32x9H	160	170	270	42	510	260	450	18x33	12	400	
12	180	300	270	180	270	180	185	270	405	N170x5x30x32x9H	160	185	270	42	540	280	480	22x33	12	400	

规格 Size	润滑油量 Oil quantity (L) *) 浸油润滑 Dip lubrication	重量 / Weight (kg) *) **)	
		B4SV B4HV B4DV B4KV	B4FV
5	36	335	370
6	40	385	425
7	65	555	605
8	73	655	710
9	105	890	975
10	110	1025	1115
11	175	1485	1615
12	200	1750	1890

尺寸以 mm 为单位

1) 轴:

• $k_6 \leq \emptyset 25$ $\emptyset 28 \leq m_6 \leq \emptyset 100$ $n_6 > \emptyset 100$

• 平键槽按照 DIN 6885/1

轮毂键槽宽度按照 ISO JS9

• 平键按照 DIN 6885/1B 型

• 有关细节见第 94-103 页

2) 对空心轴减速机布置形式 A, D 请垂询。

*) 参考值: 准确的数据应根据与合同相关的文件确定。

**) 未注油时

Dimensions in mm

1) Shafts:

• $k_6 \leq \emptyset 25$ $\emptyset 28 \leq m_6 \leq \emptyset 100$ $n_6 > \emptyset 100$

• Keyway acc. to DIN 6885/1

Hub keyway width acc. to ISO JS9

• Parallel key acc. to DIN 6885/1 form B

• For details, see pages 94-103

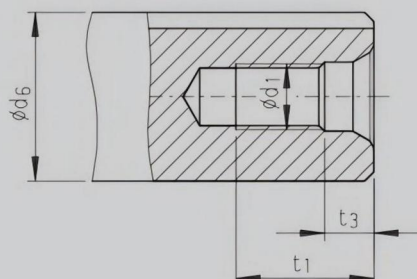
2) For shaft-mounted gear units, designs A, D on request.

*) Approximate values; exact data acc. to order-related documentation.

**) Without oil filling

04 | 齿轮箱 轴伸中心孔

Gear Units Centre Holes in Shaft Ends Guarts

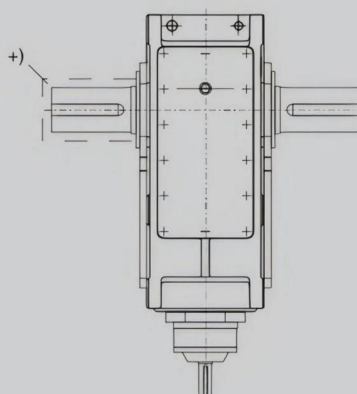
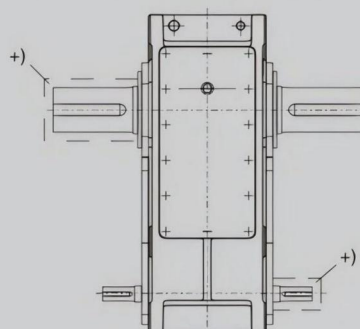


按照 DIN 332/2 指定的直径范围 Assigned ranges of diameters following DIN 332 Part 2		尺寸 / Dimensions		
名义尺寸 / Nominal dimension d6 ¹⁾		d ₁	t ₁	t ₃
大于 above	至 to			
mm		mm		
16	21	M 6	16.0	5.0
21	24	M 8	19.0	6.0
24	30	M 10	22.0	7.5
30	38	M 12	28.0	9.5
38	50	M 16	36.0	12.0
50	85	M 20	42.0	15.0
85	130	M 24	50.0	18.0
130	225	M 30	60.0	22.0
225	320	M 36	74.0	22.0
320	500	M 42	84.0	26.0

1) 对于非圆形结构，配置时将使用其最小直径

1) For non circular sections the smallest diameter must be used for the assignment

Guards



用于布置形式
for designs
E, F, G, H, I

- +) 敬请垂询备用轴伸的防护罩
- +) Guard for free shaft end on request

公差等级 / Tolerance classes			
公称直径 / Nominal diameter d		公差等级 / Tolerance classes	
大于 from mm	小于 to mm	轴 / Shafts	孔 / Bores
	<28	k6	H7
=> 28	<= 100	m6	
> 100		n6	

对于重载工作条件，如带载反向回转，建议采用比较紧密的配合，轮毂键槽宽度亦应选择 ISO P9 公差等级。

For heavy-duty operating conditions, e.g. reversing under load, it is recommended that a tighter fit and for the hub keyway width b the ISO P9 tolerance is selected.

对于此类应用，用户应给出相关信息。

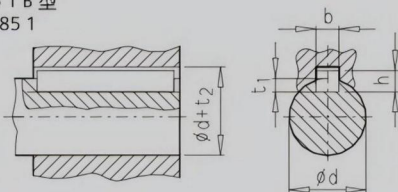
For such applications, the customer should give the relevant information.

平键和平键槽 / Parallel keyways and parallel keys						
公称直径 Nominal diameter d		宽度 Width	高度 Height	轴键槽深度 Depth of key- way in shaft	轮毂键槽深度 Depth of key- way in hub	
大于 above mm	至 to mm	b mm	h mm	t ₁ mm	d+t ₂ DIN 6885/1 mm	
17 22 30	22 30 38	6 8 10	6 7 8	3.5 4 5	d + 2.8 d + 3.3 d + 3.3	
38 44 50	44 50 58	12 14 16	8 9 10	5 5.5 6	d + 3.3 d + 3.8 d + 4.3	
58 65 75	65 75 85	18 20 22	11 12 14	7 7.5 9	d + 4.4 d + 4.9 d + 5.4	
85 95 110	95 110 130	25 28 32	14 16 18	9 10 11	d + 5.4 d + 6.4 d + 7.4	
130 150 170	150 170 200	36 40 45	20 22 25	12 13 15	d + 8.4 d + 9.4 d + 10.4	
200 230 260	230 260 290	50 56 63	28 32 32	17 20 20	d + 11.4 d + 12.4 d + 12.4	
290 330 380	330 380 440	70 80 90	36 40 45	22 25 28	d + 14.4 d + 15.4 d + 17.4	

平键紧固方式，采用无锥度连接
Drive type fastening without taper action

平键按照 DIN 6885 1 B 型
平键槽按照 DIN 6885 1

Parallel key acc.
to DIN 6885/1
form B and
parallel keyway
acc. to DIN 6885/1



1) 轮毂平键键槽宽度 b 的公差带应按 JS9 确定，重载条件下按照 P9 确定。

1) The tolerance zone for the hub keyway width b for parallel keys is ISO JS9, or ISO P9 for heavy-duty operating conditions.

04

齿轮箱

带缩紧盘的空心轴

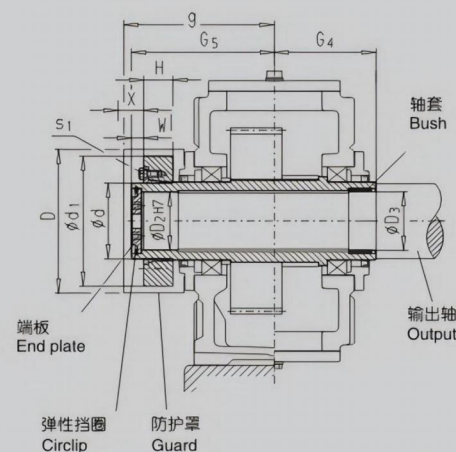
类型 H2, H3, H4, B3, B4

规格 4-16

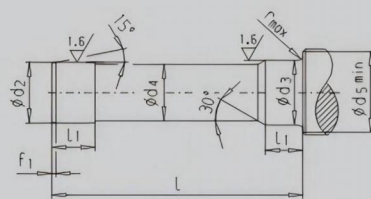
Gear Units

Hollow Shafts for
Shrink DisksTypes H2, H3, H4, B3, B4
Sizes 4-16

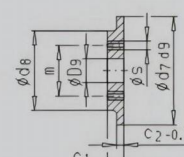
X = 要求预留的力矩扳手空间
X = Space required for torque wrench



用于缩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 disk connection. Driven
machine shaft must be free of oil or grease.



带中心孔的工作机驱动轴
Driven machine shaft with centre hole



端板
End plate

类型 / Types H2D., H3D., H4D., B3D., B4D.

齿轮箱 规格 Gear unit size	工作机驱动轴 ²⁾ Driven machine shaft								端板 End plate								弹性 挡圈 Circlip	空心轴 Hollow shaft				缩紧盘 Shrink disk 1)				螺钉 Screw	防护罩 Guard		
	d ₂	d ₃	d ₄	d ₅	f ₁	l	l ₁	r	c ₁	c ₂	d ₇	d ₈	D ₉	m	s	数量 Qty.	DIN 472	D ₂	D ₃	G ₄	G ₅	类型 Type	d	d ₁	H	W	s ₁	D	g
	mm																	mm											
4	85 g6	85 h6	84.5	95	4	326	48	2	17	7	90	70	22	50	M 8	2	90x3	85	85	140	205	110-32	110	185	51	20	M 12	235	225
5	100 g6	100 h6	99.5	114	5	383	53	2	20	8	105	80	26	55	M 10	2	105x4	100	100	165	240	125-32	125	215	55	20	M 12	275	260
6	110 g6	110 h6	109.5	124	5	383	58	3	20	8	115	85	26	60	M 10	2	115x4	110	110	165	240	140-32	140	230	61	20	M 14	285	255
7	120 g6	120 h6	119.5	134	5	453	68	3	20	8	125	90	26	65	M 12	2	125x4	120	120	195	280	155-32	155	263	64	23	M 14	330	305
8	130 g6	130 h6	129.5	145	6	458	73	3	20	8	135	100	26	70	M 12	2	135x4	130	130	195	285	165-32	165	290	70	23	M 16	340	305
9	140 g6	145 m6	139.5	160	6	539	82	4	23	10	150	110	33	80	M 12	2	150x4	140	145	235	330	175-32	175	300	71	28	M 16	360	355
10	150 g6	155 m6	149.5	170	6	559	92	4	23	10	160	120	33	90	M 12	2	160x4	150	155	235	350	200-32	200	340	87	28	M 16	395	365
11	165 f6	170 m6	164.5	185	7	644	112	4	23	10	175	130	33	90	M 12	2	175x4	165	170	270	400	220-32	220	370	103	30	M 20	435	420
12	180 f6	185 m6	179.5	200	7	649	122	4	23	10	190	140	33	100	M 16	2	190x4	180	185	270	405	240-32	240	405	107	30	M 20	450	420
13	190 f6	195 m6	189.5	213	7	789	137	5	23	10	200	150	33	110	M 16	2	200x4	190	195	335	480	260-32	260	430	119	30	M 20	500	505
14	210 f6	215 m6	209.5	233	8	784	147	5	28	14	220	170	33	130	M 16	2	220x5	210	215	335	480	280-32	280	460	132	30	M 20	525	505
15	230 f6	235 m6	229.5	253	8	899	157	5	28	14	240	180	39	140	M 16	2	240x5	230	235	380	550	300-32	300	485	140	35	M 24	575	575
16	240 f6	245 m6	239.5	263	8	899	157	5	28	14	250	190	39	150	M 20	2	250x5	240	245	380	550	320-32	320	520	140	35	M 24	595	575
17	250 f6	260 m6	249.5	278	8	982	177	5	30	14	265	200	39	150	M 20	2	265x5	250	260	415	600	340-32	340	570	155	35	M 24	615	630
18	280 f6	285 m6	279.5	306	9	982	177	5	30	14	290	210	39	160	M 20	2	290x5	280	285	415	600	360-32	360	590	162	36	M 24	635	625
19	285 f6	295 m6	264.5	316	9	1100	187	5	32	15	300	226	39	170	M 24	2	300x5	285	295	465	870	360-32	380	640	166	40	M 27		
20	310 f6	315 m6	309.5	335	9	1100	187	5	32	15	320	236	39	180	M 24	2	320x6	310	315	465	870	390-32	390	650	166	40	M 27		

1) 缩紧盘在供货范围之内。

2) 工作机驱动轴材质为 C60N 或强度更高的钢材。

在工作机侧的缩紧盘请垂询。

1) Shrink disk is in the scope of supply.

2) Material of driven machine shaft: C60N or higher strength.

Shrink disk on machine side on request.

04

齿轮箱

带缩紧盘的空心轴

类型 B2

规格 4-12

Gear Units

Hollow Shafts for

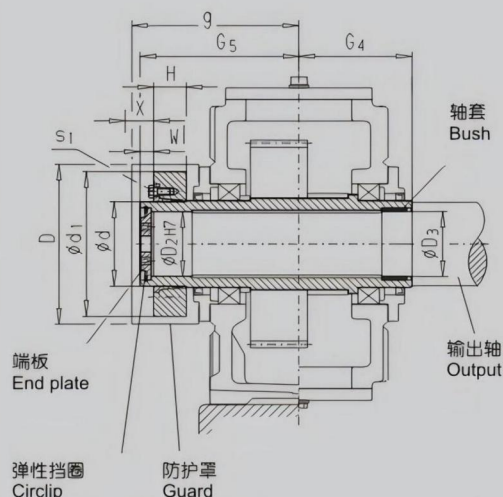
Shrink Disks

Types B2

Sizes 4-12

X = 要求预留的力矩扳手空间

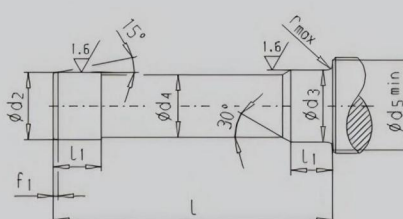
X = Space required for torque wrench



用于缩紧盘联接的工作机驱动轴。

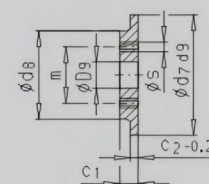
工作机驱动轴表面不得沾有机油或润滑脂。

Driven machine shaft for shrink disk connection. Driven machine shaft must be free of oil or grease.



带中心孔的工作机驱动轴

Driven machine shaft with centre hole

端板
End plate

类型 / Types B2D.

齿轮箱 规格 Gear unit size	工作机驱动轴 ²⁾ Driven machine shaft								端板 End plate								弹性 挡圈 Circlip	空心轴 Hollow shaft				缩紧盘 Shrink disk 1)				螺钉 Screw	防护罩 Guard		
	d ₂	d ₃	d ₄	d ₅	f ₁	l	l ₁	r	c ₁	c ₂	d ₇	d ₈	D ₉	m	s	数量 Qty.	DIN 472	D ₂	D ₃	G ₄	G ₅	类型 Type	d	d ₁	H	W	s ₁	D	g
	mm																	mm											
4	85 g6	85 h6	84.5	95	4	386	48	2	17	7	90	70	22	50	M 8	2	90x3	85	85	170	235	110-32	110	185	51	20	M 12	235	255
5	100 g6	100 h6	99.5	114	5	453	53	2	20	8	105	80	26	55	M 10	2	105x4	100	100	200	275	125-32	125	215	55	20	M 12	275	290
6	110 g6	110 h6	109.5	124	5	453	58	3	20	8	115	85	26	60	M 10	2	115x4	110	110	200	275	140-32	140	230	61	20	M 14	285	285
7	120 g6	120 h6	119.5	134	5	533	68	3	20	8	125	90	26	65	M12	2	125x4	120	120	235	320	155-32	155	263	64	23	M 14	330	345
8	130 g6	130 h6	129.5	145	6	538	73	3	20	8	135	100	26	70	M12	2	135x4	130	130	235	325	165-32	165	290	70	23	M 16	340	345
9	140 g6	145 m6	139.5	160	6	609	82	4	23	10	150	110	33	80	M12	2	150x4	140	145	270	365	175-32	175	300	71	28	M 16	360	390
10	150 g6	155 m6	149.5	170	6	629	92	4	23	10	160	120	33	90	M12	2	160x4	150	155	270	385	200-32	200	340	87	28	M 16	395	400
11	165 f6	170 m6	164.5	185	7	744	112	4	23	10	175	130	33	90	M12	2	175x4	165	170	320	450	220-32	220	370	103	30	M20	435	470
12	180 f6	185 m6	179.5	200	7	749	122	4	23	10	190	140	33	100	M 16	2	190x4	180	185	320	455	240-32	240	405	107	30	M20	450	470

1) 缩紧盘在供货范围之内。

1) Shrink disk is in the scope of supply.

2) 工作机驱动轴材质为 C60N 或强度更高的钢材。
在工作机侧的缩紧盘请垂询。2) Material of driven machine shaft: C60N or higher strength.
Shrink disk on machine side on request.

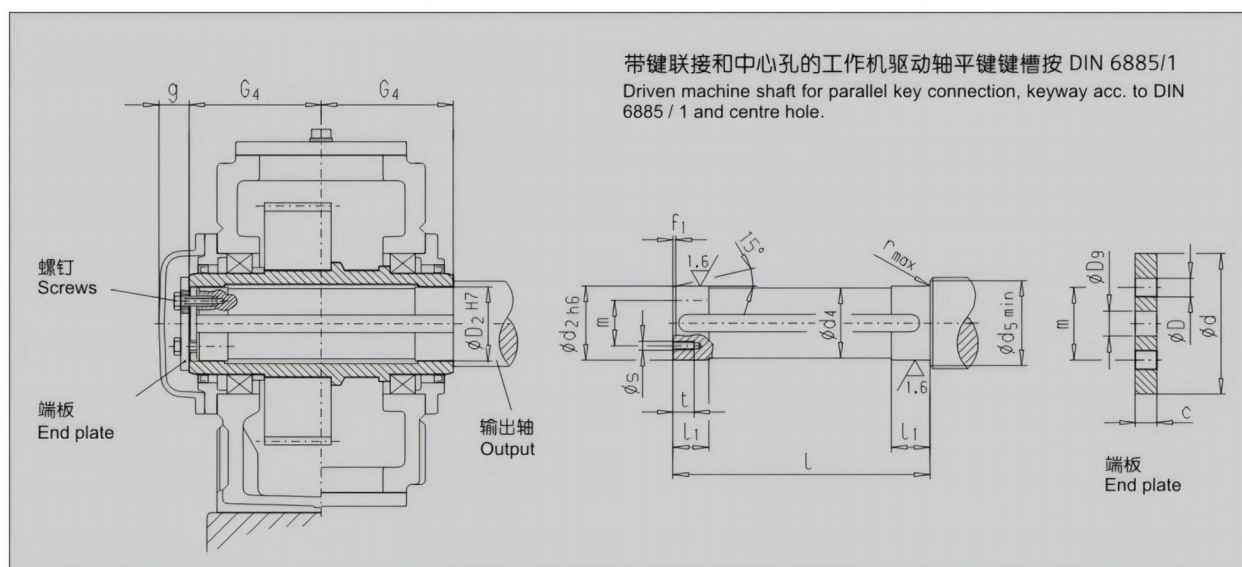
04

齿轮箱

带平键联接的空心轴
类型 H2, H3, H4, B3, B4
规格 4-18

Gear Units

Hollow Shafts for
Parallel Key connections
Types H2, H3, H4, B3, B4
Sizes 4-18



类型 / Types H2H., H3H., H4H., B3H., B4H.

齿轮箱 规格 Gear unit size	工作机驱动轴 ¹⁾ Driven machine shaft									端板 End plate					螺钉 Screw		空心轴 Hollow shaft		
	d ₂	d ₄	d ₅	f ₁	l	l ₁	r	s	t	c	D	D ₉	d	m	规格 Size	数量 Qty.	D ₂	G ₄	g
	mm																mm		
4	80	79.5	88	4	278	35	1.2	M10	18	10	11	22	100	60	M10 x 25	2	80	140	35
5	95	94.5	105	5	328	40	1.6	M10	18	10	11	26	120	70	M10 x 25	2	95	165	40
6	105	104.5	116	5	328	45	1.6	M10	18	10	11	26	120	70	M10 x 25	2	105	165	40
7	115	114.5	126	5	388	50	1.6	M12	20	12	13.5	26	140	80	M12 x 30	2	115	195	40
8	125	124.5	136	6	388	55	2.5	M12	20	12	13.5	26	150	85	M12 x 30	2	125	195	40
9	135	134.5	147	6	467	60	2.5	M12	20	12	13.5	33	160	90	M12 x 30	2	135	235	45
10	150	149.5	162	6	467	65	2.5	M12	20	12	13.5	33	185	110	M12 x 30	2	150	235	45
11	165	164.5	177	7	537	70	2.5	M16	28	15	17.5	33	195	120	M16 x 40	2	165	270	45
12	180	179.5	192	7	537	75	2.5	M16	28	15	17.5	33	220	130	M16 x 40	2	180	270	45
13	190	189.5	206	7	667	80	3	M16	28	18	17.5	33	230	140	M16 x 40	2	190	335	45
14	210	209.5	226	8	667	85	3	M16	28	18	17.5	33	250	160	M16 x 40	2	210	335	45
15	230	229.5	248	8	756	100	3	M20	38	25	22	39	270	180	M20 x 55	4	230	380	60
16	240	239.5	258	8	756	100	3	M20	38	25	22	39	280	180	M20 x 55	4	240	380	60
17	250	249.5	270	8	826	110	4	M20	38	25	22	39	300	190	M20 x 55	4	250	415	60
18	275	275.5	295	9	826	120	4	M20	38	25	22	39	330	210	M20 x 55	4	275	415	60

1) 工作机驱动轴材质为 C60N 或强度更高的钢材。
平键不在供货范围之内。如果需要请另行订购。

1) Material of driven machine shaft: C60N or higher strength.
Parallel key does not belong to our scope of supply. Please order separately, if required.

04

齿轮箱

带平键联接的空心轴

类型 B2

规格 4-12

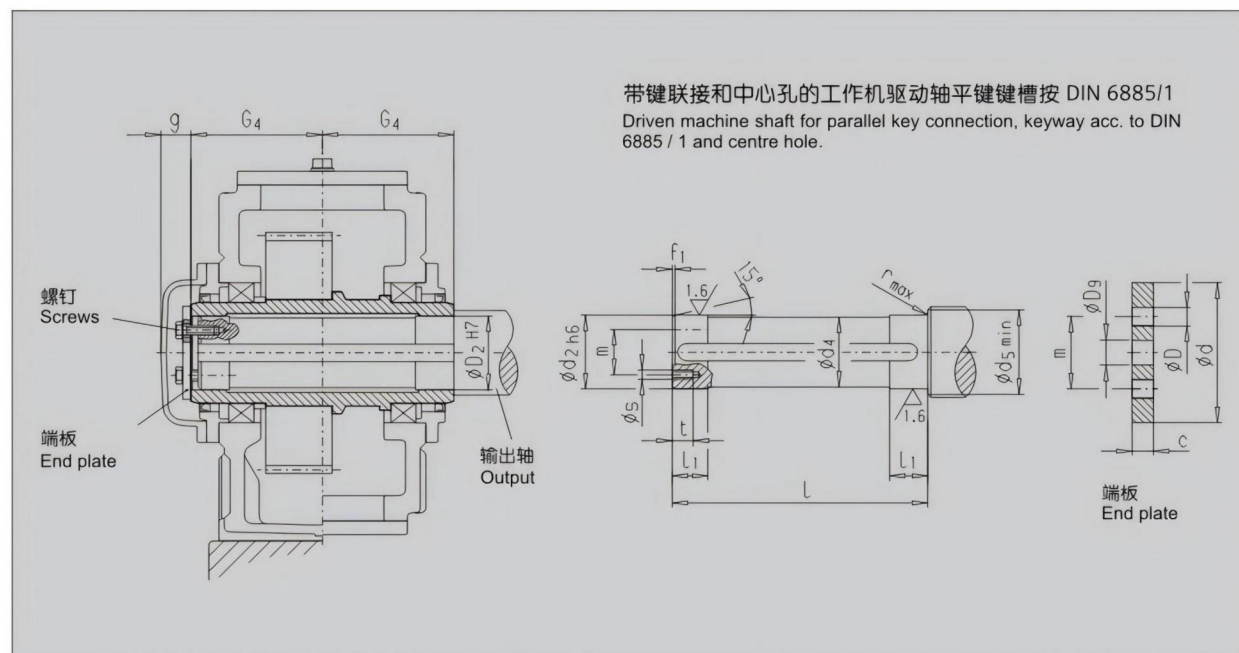
Gear Units

Hollow Shafts for

Parallel Key connections

Type B2

Sizes 4-12



类型 / Types B2H.

齿轮箱 规格 Gear unit size	工作机驱动轴 ¹⁾ Driven machine shaft									端板 End plate					螺钉 Screw		空心轴 Hollow shaft		
	d ₂	d ₄	d ₅	f ₁	l	l ₁	r	s	t	c	D	D ₉	d	m	规格 Size	数量 Qty.	D ₂	G ₄	g
	mm																mm		
4	80	79.5	88	4	338	35	1.2	M 10	18	10	11	22	100	60	M 10 x 25	2	80	170	35
5	95	94.5	105	5	398	40	1.6	M 10	18	10	11	26	120	70	M 10 x 25	2	95	200	40
6	105	104.5	116	5	398	45	1.6	M 10	18	10	11	26	120	70	M 10 x 25	2	105	200	40
7	115	114.5	126	5	468	50	1.6	M 12	20	12	13.5	26	140	80	M 12 x 30	2	115	235	40
8	125	124.5	136	6	468	55	2.5	M 12	20	12	13.5	26	150	85	M 12 x 30	2	125	235	40
9	135	134.5	147	6	537	60	2.5	M 12	20	12	13.5	33	160	90	M 12 x 30	2	135	270	45
10	150	149.5	162	6	537	65	2.5	M 12	20	12	13.5	33	185	110	M 12 x 30	2	150	270	45
11	165	164.5	177	7	637	70	2.5	M 16	28	15	17.5	33	195	120	M 16 x 40	2	165	320	45
12	180	179.5	192	7	637	75	2.5	M 16	28	15	17.5	33	220	130	M 16 x 40	2	180	320	45

1) 工作机驱动轴材质为 C60N 或强度更高的钢材。
平键不在供货范围之内。如果需要请另行订购。

1) Material of driven machine shaft: C60N or higher strength. Parallel key does not belong to our scope of supply. Please order separately, if required.

04

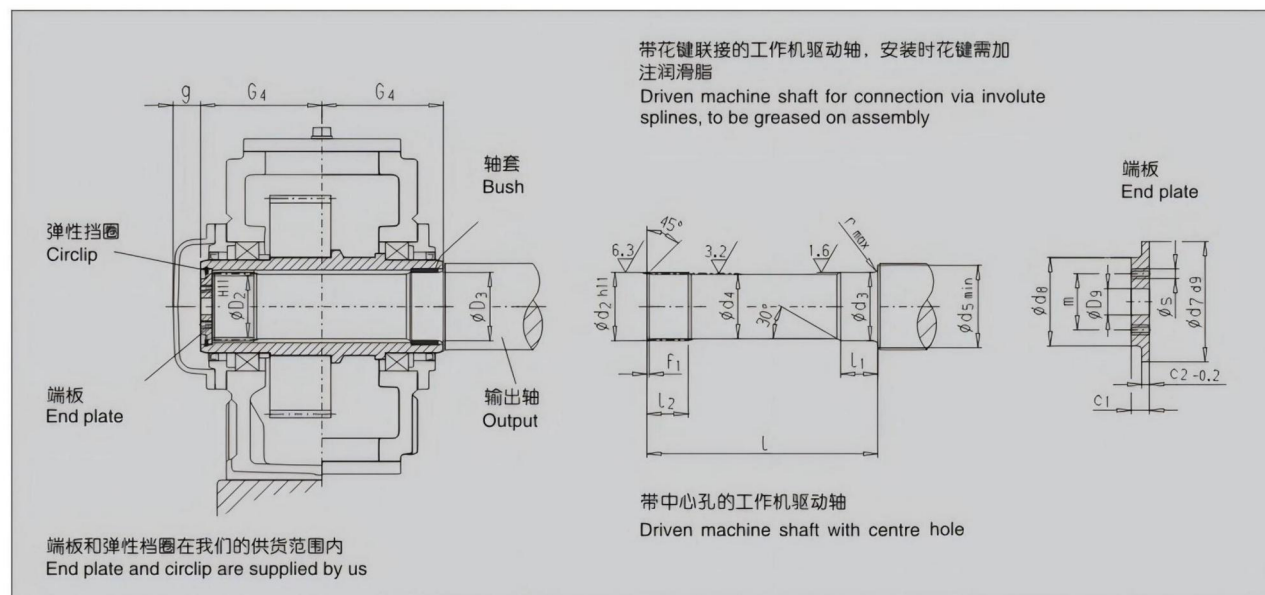
齿轮箱

带花键(按照DIN 5480)的空心轴
类型 H2, H3, H4, B3, B4.
规格 5-18

Gear Units

Hollow Shaft With Involute
Splines acc. to DIN 5480
Types H2, H3, H4, B3, B4
Sizes 5-18

K20/004



类型 / Types H2K., H3K., H4K., B3K., B4K.

类型 / Types H2K., H3K., H4K., B3K., B4K.																										
齿轮箱 规格 Gear unit size	工作机驱动轴 ¹⁾ Driven machine shaft											端板 End plate							弹性 挡圈 Circlip DIN 472	空心轴 Hollow shaft					螺钉 Screw	
	渐开线花键 Involute splines DIN 5480	d ₂	d ₃	d ₄	d ₅	f ₁	l	l ₁	l ₂	r	c ₁	c ₂	d ₇	d ₈	D ₉	m	s	数量 Qty.		DIN 472	D ₂	D ₃	G ₄	g		
5	W 95x3x30x30x8f	94.4	100 h6	93	114	3	308	53	90	2	20	8	105	80	26	55	M 10	2	105x4	89	100	165	40	M24		
6	W 95x3x30x30x8f	94.4	110 h6	93	124	3	308	58	90	3	20	8	105	80	26	55	M 10	2	105x4	89	110	165	40	M24		
7	W 120x3x30x38x8f	119.4	120 h6	118	134	3	368	68	105	3	20	8	125	90	26	65	M 12	2	125x4	114	120	195	40	M24		
8	W 120x3x30x38x8f	119.4	130 h6	118	145	3	368	73	105	3	20	8	125	90	26	65	M 12	2	125x4	114	130	195	40	M24		
9	W 140x3x30x45x8f	139.4	145 m6	138	160	3	444	82	125	4	23	10	150	110	33	80	M 12	2	150x4	134	145	235	45	M30		
10	W 140x3x30x45x8f	139.4	155 m6	138	170	3	444	92	125	4	23	10	150	110	33	80	M 12	2	150x4	134	155	235	45	M30		
11	W 170x5x30x32x8f	169	170 m6	168	185	5	514	112	150	4	23	10	175	130	33	90	M 12	2	175x4	160	170	270	45	M30		
12	W 170x5x30x32x8f	169	185 m6	168	200	5	514	122	150	4	23	10	175	130	33	90	M 12	2	175x4	160	185	270	45	M30		
13	W 190x5x30x36x8f	189	195 m6	188	213	5	644	137	180	5	23	10	200	150	33	110	M 16	2	200x4	180	195	335	45	M30		
14	W 190x5x30x36x8f	189	215 m6	188	233	5	644	147	180	5	23	10	200	150	33	110	M 16	2	200x4	180	215	335	45	M30		
15	W 220x5x30x42x8f	219	235 m6	218	253	5	728	157	200	5	28	14	240	180	39	140	M 16	2	240x5	210	235	380	60	M36		
16	W 220x5x30x42x8f	219	245 m6	218	263	5	728	157	200	5	28	14	240	180	39	140	M 16	2	240x5	210	245	380	60	M36		
17	W 250x5x30x48x8f	249	280 m6	248	278	5	796	177	215	5	30	14	265	200	39	150	M 20	2	265X5	240	260	415	60	M36		
18	W 250x5x30x48x8f	249	285 m6	248	306	5	796	177	215	5	30	14	265	200	39	150	M 20	2	265X5	240	280	415	60	M36		

1) 工作机驱动轴材质为 C60N 或强度更高的钢材。

1) Material of driven machine shaft: C60N or higher strength

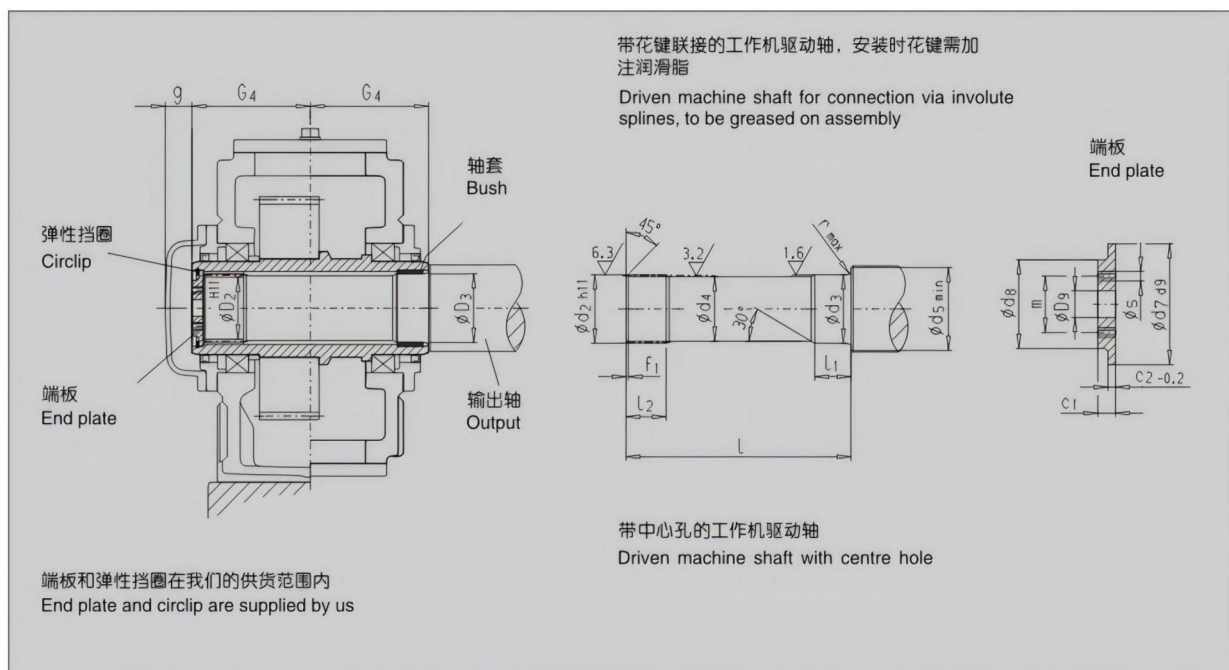
04

齿轮箱

带花键(按照DIN 5480)的空心轴
类型 B2
规格 5-12

Gear Units

Hollow Shaft With Involute
Splines acc. to DIN 5480
Type B2
Sizes 5-12



类型 / Types B2K.																										
齿轮箱 规格 Gear unit size	工作机驱动轴 ¹⁾ Driven machine shaft											端板 End plate							弹性 挡圈 Circlip DIN 472	空心轴 Hollow shaft				螺钉 Screw		
	渐开线花键 Involute splines DIN 5480	d ₂	d ₃	d ₄	d ₅	f ₁	l	l ₁	l ₂	r	c ₁	c ₂	d ₇	d ₈	D ₉	m	s	数量 Qty.		D ₂	D ₃	G ₄	g			
		mm										mm														
5	W 95x3x30x30x8f	94.4	100 h6	93	114	3	378	53	90	2	20	8	105	80	26	55	M 10	2	105x4	89	100	200	40	M24		
6	W 95x3x30x30x8f	94.4	110 h6	93	124	3	378	58	90	3	20	8	105	80	26	55	M 10	2	105x4	89	110	200	40	M24		
7	W120x3x30x38x8f	119.4	120 h6	118	134	3	448	68	105	3	20	8	125	90	26	65	M12	2	125x4	114	120	235	40	M24		
8	W120x3x30x38x8f	119.4	130 h6	118	145	3	448	73	105	3	20	8	125	90	26	65	M 12	2	125x4	114	130	235	40	M24		
9	W140x3x30x45x8f	139.4	145 m6	138	160	3	514	82	125	4	23	10	150	110	33	80	M12	2	150x4	134	145	270	45	M30		
10	W140x3x30x45x8f	139.4	155 m6	138	170	3	514	92	125	4	23	10	150	110	33	80	M12	2	150x4	134	155	270	45	M30		
11	W170x5x30x32x8f	169	170 m6	168	185	5	614	112	150	4	23	10	175	130	33	90	M12	2	175x4	160	170	320	45	M30		
12	W170x5x30x32x8f	169	185 m6	168	200	5	614	122	150	4	23	10	175	130	33	90	M 12	2	175x4	160	185	320	45	M30		

1) 工作机驱动轴材质为 C60N 或强度更高的钢材。

1) Material of driven machine shaft: C60N or higher strength

04

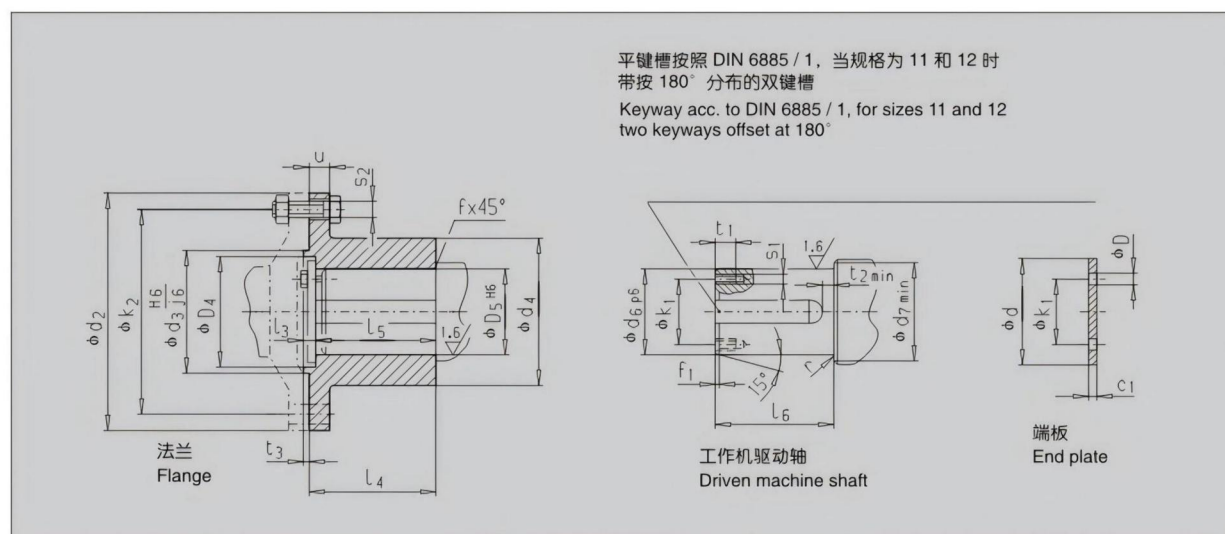
齿轮箱

与法兰轴联接的对接法兰
类型 H2, H3, H4, B2, B3, B4
规格 5-12

Gear Units

Counterflanges for Flanged
Shafts
Types H2, H3, H4, B2, B3, B4
Sizes 5-12

K20/004



类型 / Types H2F., H3F., H4F., B2F., B3F., B4F.

齿轮箱 规格 Gear unit size	法兰 / Flange													螺栓 ¹⁾		
	d ₂	d ₃	d ₄	D ₄	D ₅	f	k ₂	l ₃	l ₄	l ₅	s ₂	t ₃	u	规格 Size	数量 Qty.	T _A 2)
	mm															Nm
5	300	150	190	135	110	2.5	260	16	175	167	M20	8	25	M20x 70	16	610
6	320	160	210	145	120	2.5	280	22	185	171	M20	8	25	M20x 70	18	610
7	370	180	230	160	135	2.5	320	21	220	207	M24	8	30	M24x 90	16	1050
8	390	190	270	175	150	2.5	340	22	220	206	M24	8	30	M24x 90	18	1050
9	430	220	290	195	160	4.0	380	22	250	238	M24	10	38	M 24x100	20	1050
10	470	240	310	220	180	4.0	420	22	250	238	M24	10	38	M 24x100	22	1050
11	510	260	340	235	200	4.0	450	22	290	278	M30	10	42	M 30x120	18	2100
12	540	280	360	255	210	4.0	480	22	290	278	M30	10	42	M 30x120	22	2100

齿轮箱 规格 Gear unit size	工作机驱动轴 Driven machine shaft									端板 End plate				螺栓 Bolt		重量 Weight kg
	d ₆	d ₇	f ₁	k ₁	l ₆	r	s ₁	t ₁	t ₂	c ₁	d	D	k ₁	规格 Size	数量 Qty.	
	mm									mm						
5	110	122	2.5	80	165	2	M12	28	7.5	10	130	13.5	80	M 12x35	4	35
6	120	132	2.5	95	169	2	M16	32	7.5	14	140	17.5	95	M 16x45	4	45
7	135	147	2.5	95	205	2	M16	32	16	14	155	17.5	95	M 16x45	4	65
8	150	162	2.5	110	204	2	M16	32	16	16	170	17.5	110	M 16x45	4	85
9	160	176	4.0	110	235	3	M16	32	16	16	190	17.5	110	M 16x45	4	115
10	180	196	4.0	145	235	3	M20	38	16	18	215	22	145	M 20 x 55	4	130
11	200	216	4.0	145	275	3	M20	38	16	18	230	22	145	M 20 x 55	4	175
12	210	230	4.0	160	275	3	M20	38	16	18	250	22	160	M 20 x 55	4	200

平键不在供货范围之内。如果需要请另行订购。

Parallel key does not belong to our scope of supply. Please order separately, if required.

1) 螺栓按照 DIN 931, 性能等级为 10.9 级,
螺母按照 DIN 934, 性能等级为 10 级;

1) Bolts acc. to DIN 981, material 10.9;
Nuts acc. to DIN 984, material 10

2) 法兰联接螺栓的拧紧力矩。

2) Tightening torque of flange connection bolts

法兰和工作机驱动轴的材质为 C60N 或强度更高的钢材。

Material of flanges and driven machine shafts: C60N or higher strength.

04

齿轮箱

与法兰轴联接的

对接法兰

类型 H2, H3, H4, B2, B3, B4

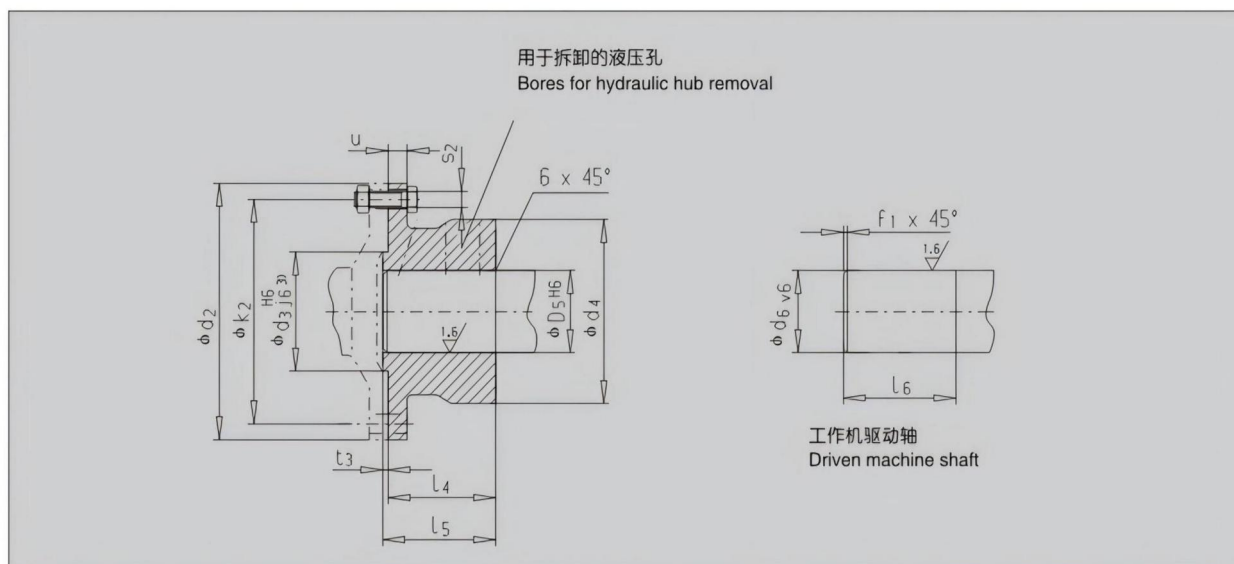
规格 13-18

Gear Units

Counterflanges
for Flanged Shafts

Types H2, H3, H4, B2, B3, B4

Sizes 13-18



类型 / Types H2F., H3F., H4F., B2F.,B3F., B4F.																	
齿轮箱 规格 Gear unit size	法兰 / Flange										螺栓 ¹⁾ Bolt			工作机驱动轴 Driven machine shaft			重量 Weight
	d ₂	d ₃	d ₄	²⁾ D ₅	k ₂	l ₄	l ₅	s ₂	t ₃	u	规格 Size	数量 Qty.	T _a Nm	d ₆	f ₁	l ₆	
	mm													mm			
13	580	310	390	240	500	310	322	M30	12	48	M 30x130	20	2100	240	3	322	235
14	620	310	425	260	540	345	357	M30	12	48	M30X130	24	2100	260	3	357	300
15	710	360	460	280	630	365	380	M30	15	55	M30X140	28	2100	280	3	380	400
16	740	360	480	300	660	395	410	M30	15	55	M30X140	30	2100	300	4	410	450
17	750	410	520	320	660	420	436	M36	16	60	M36x160	24	3560	320	4	436	640
18	800	410	550	340	710	450	466	M36	16	60	M36x160	26	3560	340	4	465	650

1) 螺栓按照 DIN 931, 性能等级为 10.9 级,

螺母按照 DIN934, 性能等级为 10 级;

2) 需要其它尺寸请垂询 (如地脚安装就可以采用较小的 D₅ 尺寸)3) 在热压冷缩配合后为尺寸 d_{1j6}。

带键槽的对接法兰请垂询。

法兰和工作机驱动轴的材质为 C60N 或强度更高的钢材。

对接法兰在装配时应加热至 190°C。工作机驱动轴应在 20°C。

1) Bolts acc. to DIN 931, material 10.9;

Nuts acc. to DIN 934, material 10.

2) Other diameters on request. (For footmounted design, smaller bores D₅ are possible).3) Dimension d_{1j6} after shrink fitting.

Counterflange with keyway on request.

Material of flanges and driven machine shafts: C60N or higher strengths.

For assembly, heat counterflange to 190°C, and driven machine shaft to 20°C.

05 | 齿轮箱

润滑油选择和防腐保存

Gear Units

Selection of Oil and Preservation

誉煌齿轮箱可以加注我们认可厂家生产的润滑油，润滑油生产厂家或润滑油供应商对其产品的质量负责。在选择润滑油品种和润滑油粘度时请注意在表 1 中注明的所有允许的最低临界温度。

表 2 给出了相应齿轮箱类型和规格的润滑油供给方式可选方案。

最低工作粘度不得小于 25 cSt。

YUHUANG gear units may be filled with oils from producers authorized by Siemens, the oil producer or supplier being responsible for the quality of his product. For the selection of oil grade and viscosity, the limits of application given in table 1 are to be taken into consideration.

In table 2 a survey of the possible oil supply variants is given for the respective types and sizes.

A minimum operating viscosity of 25 cSt must be ensured.

表 1/ Table 1		
40 ISO-VG mm ² /s(cSt) Viscosity ISO-VG at 40 °C in mm ² /s(cst)	允许的最低临界温度 °C Minimum temperature limit in °C for	
	浸油润滑 Dip lubrication	
	矿物油 Mineral oil	合成油 Synthetic oil
VG 220	-15	-25
VG 320	-12	-25
VG 460	-9	-25

*) 如果使用 PG 基合成油，请联系我们。

浸油润滑：

当采用浸油润滑时，所有需要润滑的零部件均需要浸在润滑油液中。

如果油温低于表 1 中给出的温度值，则必须对润滑油进行加热。

但采用浸油润滑时，油温不得低于润滑油的倾点。

附带的补油箱用于存储胀溢的润滑油。

*) If synthetic oil on PG basis is used, please consult us!

Dip lubrication:

In case of dip lubrication, all parts to be lubricated are lying in the oil.

If the temperatures are below the values as listed in the table 1, the oil must be heated.

In case of dip lubrication, the oil temperature must not drop below the pour point of the selected oil.

An oil compensating tank is used for the storage of expansion oil.

防腐保存：

誉煌齿轮箱的内部防腐与所使用的润滑油密切相关。

已做过防腐处理的齿轮箱可能的存储时间如下：

标准防腐	长效防腐 ¹⁾
可保存至6个月	可保存至 24 个月 ²⁾ 可保存至 36 个月 ³⁾

1) 不适用于配置迷宫式密封或其它非接触式密封。

2) 仅适用于矿物油或PAO基的合成油。

3) 仅适用于PG基的合成油。

当超过上述防腐期限时应重新对齿轮箱进行防腐处理。

Preservation:

The internal preservation of FLENDER gear units is dependent on the oil used.

For gear units with corrosion prevention, the following storage times are possible:

Standard preservation	Long-term preservation ¹⁾
up to 6 months	up to 24 months ²⁾ up to 36 months ³⁾

1) Not for gear units with labyrinth seals or diaphragm glands.

2) Only if mineral oil or synthetic oil on PAO basis is used.

3) Only if synthetic oil on PG basis is used.

If the storage periods mentioned are exceeded, the anti-corrosive agent in the gear unit is to be renewed.

05

齿轮箱

轴封

类型 H1-H4 B2-B4

规格 3-16

Gear Units

Shaft Seals

Types H1-H4, B2-B4

Sizes 3-16

表1/Table 轴封方案 / Variants of shaft seals							
类型 Type	规格 Size	径向轴封 Radial shaft seal		迷宫式密封 ²⁾ Labyrinth seal		组合式密封 ¹⁾ Taconite seal	
		d_1	d_2	$d_1^{3)}$	d_2	$d_1^{3)}$	d_2
H1SH	3-16	H	H	H	H	H	H
H2..	4-16	H / V	H / V	H	-	H / V	H / V
H3..	5-16	H / V	H / V	-	-	H / V	H / V
H4..	7-16	H / V	H / V	-	-	H / V	H / V
B2..	4-16	H / V	H / V	-	-	H / V	H / V
B3..	4-16	H / V	H / V	-	-	H / V	H / V
B4..	5-16	H / V	H / V	-	-	H / V	H / V

H = 卧式安装 V = 立式安装

H = Horizontal V = Vertical

1) 可能的布置形式和限制参见下几页所述

1 For possible designs and restrictions, see the following pages

2) 与冷确风扇组合敬请垂询

2 Combination with fan on request

3) 不能与电机安装法兰组合

3 Not in combination with motor bell housing

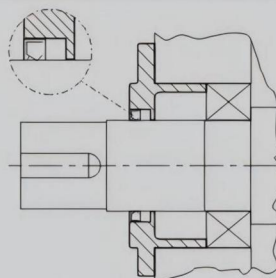
表2/Table 采用迷宫式密封的临界转速 / Speed limits for labyrinth seala													
iN	齿轮箱规格 / Gear unit sizes												
	3	4	5	6	7	8	9	10	11	12	13	14	15
	输入转速 min^{-1} / Input speeds $n \text{ in } \text{min}^{-1}$												
1.25	X		X		X		X						
1.4	X		X		X		X						
1.6	740		515		425		370		305				
1.8	810		570		460		395		325				
2	860		610		490		420		350				
2.24	920		660		550		455		375				
2.5	1020		710		595		495		405				
2.8	1100		775		635		530		445				
3.15	1190		850		690		600		480				
3.55	1300		935		755		650		530				
4	1430		1025		835		720		580				
4.5	1575		1145		905		770		640				
5	1730		1205		990		850		730				
5.6	1910		1340		1095		955		765				
6.3		x	x		x		515		x		370		305
7.1		x	810		660		570		460		395		325
8		1020	860	x	705	x	610	x	490	x	420	370	350
9		1080	920	x	760	660	660	x	550	x	455	395	375
10		1190	1020	860	820	705	710	610	595	x	495	420	405
11.2		1280	1100	920	885	760	775	660	635	550	530	455	445
12.5		1435	1190	1020	955	820	850	710	690	595	600	495	480
14		1560	1300	1100	1090	885	935	775	755	635	650	530	530
16		1715	1430	1190	1200	955	1025	850	835	690	720	600	580
18		1890	1575	1300	1320	1090	1145	935	905	755	770	650	640
20			1730	1430	1450	1200	1205	1025	990	835	850	720	730
22.4			1910	1575	1530	1320	1340	1145	1095	905	X	770	X
25			1075	1730	885	1450	740	1205	x	990	x	850	x
28			1170	1910	940	1530	810	1340	x	1095	x	x	x

X = 不能采用迷宫式密封

X = Labyrinthseala not possible

当低于最低输入转速 n_1 时应配置径向轴封。If the minimum input speed n_1 is Undershot, radial shaft seals are to be provided

径向轴封
Radial shaft seals



径向轴封适用于低工作转速至中等工作转速。

Radial shaft seals are suitable for low to average operating speeds.

其它特征：

- 这是一种有磨损的密封方式，但是易于维护保养；
- 在密封唇部会局部发热，因此应保持足够的润滑（冷却）
- 普通市售产品；
- 当法兰轴维修而需要采用剖分式轴封时（请垂询）；
- 较低油位的布置形式请垂询。

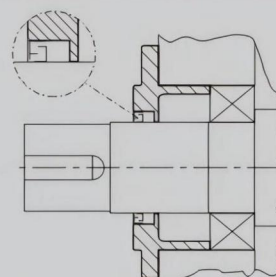
Other features are:

- Wearing seal, however, easy to maintain;
- Local heat development on sealing lip; therefore, adequate lubrication (cooling) required;
- Commercial product;
- Split shaft seals are to be used in case of repair of flanged shafts (please refer to us);
- Design with low oil level on request.

径向轴封可以用在各种类型和各种规格的齿轮箱中。

Radial shaft seals can be used for all types and sizes.

迷宫式密封
Labyrinth seals



迷宫式密封方式特别适用于较高的工作转速。

Labyrinth seals are specially suitable for higher operating speeds.

其它优点：

- 非接触式，从而无磨损；
- 不会产生局部发热，所以无需维护保养；
- 安装空间小。

Further advantages are:

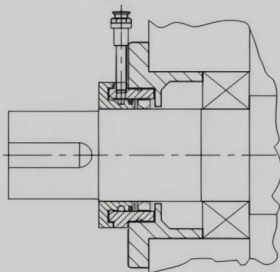
- Non-contacting and thus, wear-resistant;
- No local heat development and thus, maintenance-free;
- Small space required for fitting.

若选择迷宫式密封方式，则应注意如下要求：

- 只是在固定的传动系统中应用（例如不能是行走机构）；
- 只是采用浸油润滑（强制润滑请垂询）；
- 避免在粉尘很大或污水危及的地点使用；
- 轴应保持水平；
- 平行轴齿轮箱的必要的最低输入转速 n_1 参见表 2，
- 当以最低转速长时间运行时（例如在造纸机械中的慢速运行），则有必要采取特殊措施（回油板）。

For the selection of labyrinth seals the following criteria are to be considered:

- Applicable in stationary drives only (e.g. not in travelling gears);
- Only in case of dip lubrication (forced lubrication on request);
- Avoid extremely dusty environments or sites endangered by muddy water;
- Shaft levels must be horizontal;
- For min. required input speed n_1 for helical gear units, see table 2;
- In case of longer operating periods at minimum speeds (e.g. creep speed in case of paper machines) special measures (oil retaining plates) are required.

组合式密封
Taconite seals

可重复填充油脂的迷宫式密封组合。
采用这种密封方式可以使齿轮箱在粉尘环境中达到很高的安全可靠性，这是防止粉尘状颗粒侵入齿轮箱的三种密封元件的组合。

Grease-filled, refillable labyrinth seal combinations.
With this seal a high degree of operational reliability is achieved for the gear unit in dusty environments. This seal is a combination of three sealing elements which protect the gear unit from ingress of dust-like particles.

组合式密封 Taconite Seal	轴 Shaft	说明 Note	表 3 / Table 3					
			采用"E" 型组合式密封时的 G ₁ 尺寸和轴尺寸 G ₁ dimension and shaft dimensions for Taconite "E"					
类型 Type	规格 Size	传动比 Ratio i	G ₁	d ₁	I ₁			
			mm					
E	输入轴 Input shaft	25 -45	250	60 m6	105			
		50 -63		45 m6	80			
		71 -90		32 m6	60			
F	实心轴 Solid shaft	31.5 -56 63 -80 90 -112	250	60 m6	105			
	加强型输出轴 d ₂ Reinforced output shaft d ₂			45 m6	80			
	齿轮箱带法兰轴 d ₂ With flanged shaft d ₂			32 m6	60			
F-F	带平键槽的空心轴 Hollow shaft with keyway	25 -45 50 -63 71 -90	340	85 m6	130			
	带缩紧盘的空心轴 Hollow shaft for shrink disk			60 m6	105			
	带花键的空心轴， 按照 DIN 5480 Hollow shaft with involute splines acc. to DIN 5480			50 m6	80			
F-H	带平键槽的空心轴 Hollow shaft with keyway	28 -56 63 -80 90 -112	340	85 m6	130			
	带缩紧盘的空心轴 Hollow shaft for shrink disk			60 m6	105			
	带花键的空心轴， 按照 DIN 5480 Hollow shaft with involute splines acc. to DIN 5480			50 m6	80			
F-K	带平键槽的空心轴 Hollow shaft with keyway	22.4 -45 50 -63 71 -90	385	100 m6	165			
	带缩紧盘的空心轴 Hollow shaft for shrink disk			75 m6	105			
	带花键的空心轴， 按照 DIN 5480 Hollow shaft with involute splines acc. to DIN 5480			60 m6	105			
H3..	带平键槽的空心轴 Hollow shaft with keyway	25 -50 56 -71 80 -100	385	100 m6	165			
	带缩紧盘的空心轴 Hollow shaft for shrink disk			75 m6	105			
	带花键的空心轴， 按照 DIN 5480 Hollow shaft with involute splines acc. to DIN 5480			60 m6	105			
H4..	带平键槽的空心轴 Hollow shaft with keyway	100 -180 200 -355	270	45 m6	80			
	带缩紧盘的空心轴 Hollow shaft for shrink disk			32 m6	60			
	带花键的空心轴， 按照 DIN 5480 Hollow shaft with involute splines acc. to DIN 5480			45 m6	80			
H4..	带平键槽的空心轴 Hollow shaft with keyway	125 -224 250 -450	270	45 m6	80			
	带缩紧盘的空心轴 Hollow shaft for shrink disk			32 m6	60			
	带花键的空心轴， 按照 DIN 5480 Hollow shaft with involute splines acc. to DIN 5480			45 m6	80			
H4..	带平键槽的空心轴 Hollow shaft with keyway	100 -180 200 -355	325	50 m6	80			
	带缩紧盘的空心轴 Hollow shaft for shrink disk			38 m6	60			
	带花键的空心轴， 按照 DIN 5480 Hollow shaft with involute splines acc. to DIN 5480			50 m6	80			
H4..	带平键槽的空心轴 Hollow shaft with keyway	125 -224 250 -450	325	50 m6	80			
	带缩紧盘的空心轴 Hollow shaft for shrink disk			38 m6	60			
	带花键的空心轴， 按照 DIN 5480 Hollow shaft with involute splines acc. to DIN 5480			50 m6	80			
H4..	带平键槽的空心轴 Hollow shaft with keyway	100 -180 200 -355	375	60 m6	105			
	带缩紧盘的空心轴 Hollow shaft for shrink disk			50 m6	80			
	带花键的空心轴， 按照 DIN 5480 Hollow shaft with involute splines acc. to DIN 5480			50 m6	80			
H4..	带平键槽的空心轴 Hollow shaft with keyway	112 -200 224 -400	375	60 m6	105			
	带缩紧盘的空心轴 Hollow shaft for shrink disk			50 m6	80			
	带花键的空心轴， 按照 DIN 5480 Hollow shaft with involute splines acc. to DIN 5480			50 m6	80			

05

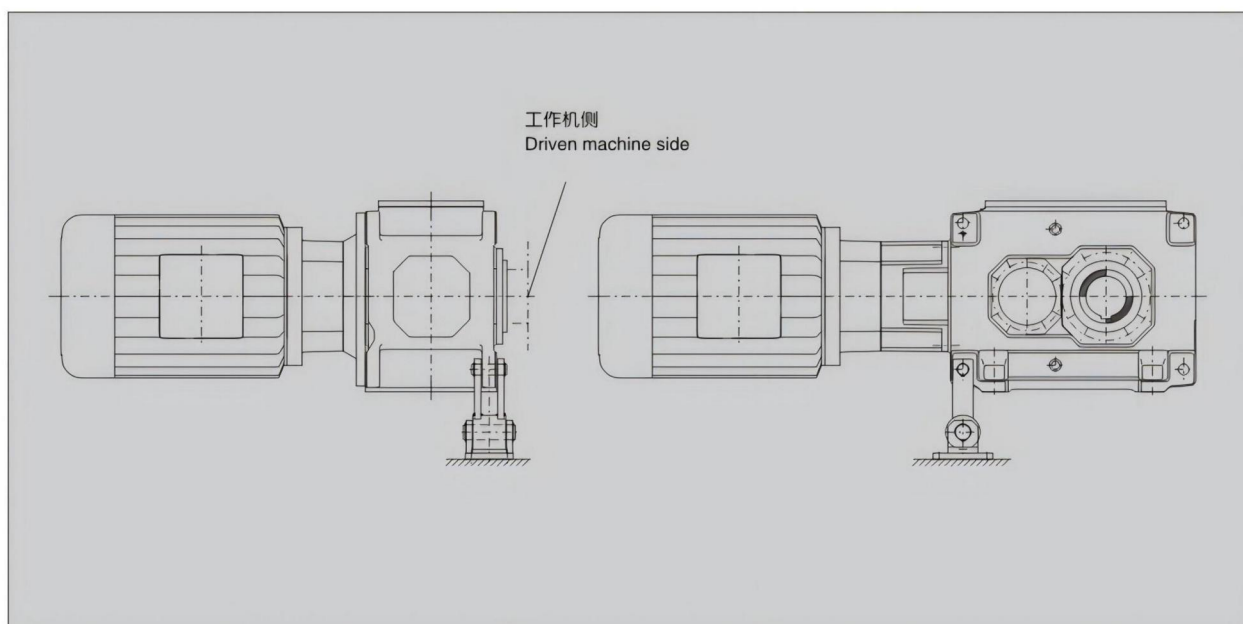
齿轮箱

齿轮箱减振扭力臂支撑
类型 H2, H3, H4, B2, B3, B4

Gear Units

Vibration Reducing
Torque Reaction Arms for
Gear Housings.
Types H2, H3, H4, B2, B3, B4

K20/006



最大传递扭矩受扭力臂支撑的限制：

$$T_{max} = f_{DMST} \times T_{2Nenn}$$

The maximum transmissible torque is limited by the torque support:

$$T_{max} = f_{DMST} \times T_{2Nenn}$$

表1 / Table 1

扭力臂支撑的峰值扭矩系数 f_{DMST} ¹⁾ Peak torque factor f_{DMST} for torque support						
齿轮箱规格 Gear unit size	类型 / Type					
	H2	H3	H4	B2	B3	B4
4	1.3	-	-	1.2	1.2	-
5	1.9	2.0	-	1.2	1.6	2.0
6	1.6	1.7	-	1.2	1.4	1.7
7	2.0	2.0	2.0	1.3	1.8	2.0
8	1.7	2.0	2.0	1.2	1.6	2.0
9	1.5	1.6	1.7	1.2	1.2	1.7
10	1.3	1.4	1.4	1.2	1.2	1.4
11	2.0	2.0	2.0	1.9	2.0	1.2
12	2.0	2.0	2.0	1.8	2.0	1.2
13	-	2.0	2.0	1.4	1.8	2.0
14	-	1.9	2.0	1.3	1.7	2.0
15	-	1.5	1.7	-	1.4	1.6
16	-	1.4	1.5	-	1.3	1.5

1) 表中给出的数值为最小值，旋转方向和电机类型确定后有可能允许更大的峰值扭矩。
详细问题请咨询誉煌销售工程师

1) The values in the table are minimum values. Depending on direction of rotation and motor type, higher peak torques may possibly be allowed.
For details, Please consult with YUHUANG sales engineer

05

齿轮箱

齿轮箱减振扭力臂支撑
类型 H2, H3, H4, B2, B3, B4

Gear Units

Vibration Reducing
Torque Reaction Arms for
Gear Housings
Types H2, H3, H4, B2, B3, B4

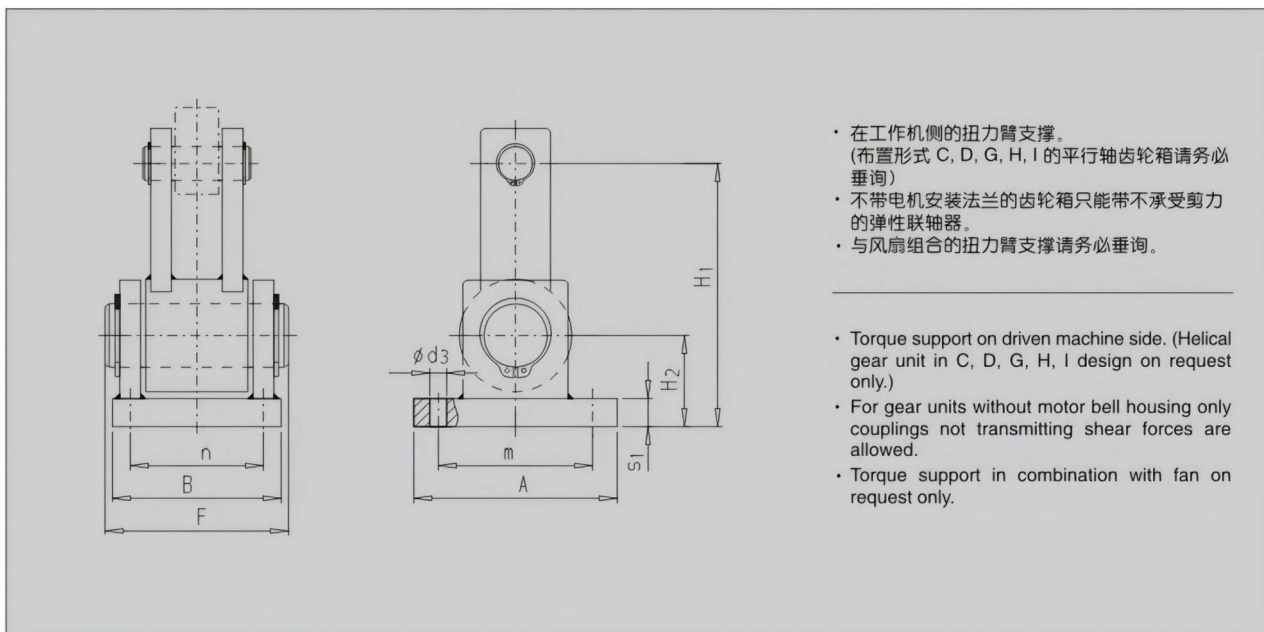


表 2 /Table2

齿轮箱规格 Gear unit size	A	B	Ø d ₃	F	H ₁	H ₂	m	n	s ₁	弹性衬套 Bush	重量 Weight kg
	mm										
4	160	110	19	116	200	65	120	70	15	079	6.8
5 + 6	200	160	19	170	250	90	160	120	20	095	16
7 + 8	320	200	19	195	400	140	260	130	25	772	37
9+10											42
11+12	400	300	24	320	500	175	320	240	30	805	155
13 + 14											159
15 + 16											163



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