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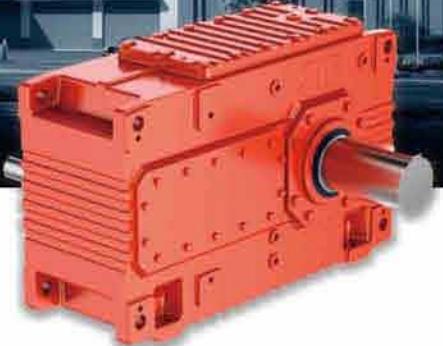
工业齿轮箱选型手册



杰牌传动始创于1988年
坚持一百年做好一台减速机
匠心打造齿轮行业百年企业
JIE Drive Established in 1988
Focus one gear reducer for 100 years
To create the century enterprise with craftsman spirit in the gear industry



因专业 而杰出
Excellence From Expertise



JIE
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JIEC - 05B - 2016B-3000

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亚洲传动专家
Asia Drive Expert



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1.产品图片 Product Pictures



JRH
工业齿轮箱
Series Industry Gear Units



采用新的模块化单元结构，使得箱体和内部零件具有极高的组合性、互换性，从而显著减少零部件种类。主要零部件均有库存，使JIE齿轮箱能在短期内供货。

采用等强度优化设计。

高承载能力、高可靠性、高效率。

圆锥齿轮采用磨削工艺，圆柱齿轮采用独特的修形工艺，箱体采用优化的降噪结构设计，这些使齿轮箱噪音有很大的降低。

方形箱体，增大了表面积，风扇、冷却盘管的合理选用，提高了齿轮箱的热功率。

输出轴型式、安装方式多样化，利于客户选择。

设计

JIE平行轴和直角轴齿轮箱采用全新设计，其独特的创新之处在于：

- 零部件种类减少，而规格型号增加；
- 运转可靠性提高，传动功率增大；
- 采用性能卓越的非接触耐磨迷宫式密封；
- 可以提供法兰盘式输出轴，使齿轮箱满足在狭小空间的安装要求（根据用户要求供货）。

安装方式

JIE齿轮箱既可卧式安装，也可以立式安装。

如果用户提出要求，也可采用其它安装形式。

安装电机用法兰、齿轮箱摆动底座和扭力支撑

装置均为产品的标准配置。

2.产品说明 Product Description

2.1 产品性能特点 Product Characteristics

Taking new modular system ensure housing and internal parts of gear unit high interchangeable and compounding, which significantly reduce the types of parts. Main parts are stocked for short time delivery.

Taking optimal design of equal-intensity.

High reliability, high loadability and High efficiency.

Noise level of gear unit is significantly reduced by taking the process of bevel gear ground, helical gear tooth profile modified and lower noise optimal design on housing.

Square housing, expanding its surface, and optional use on fan and cooling pipe have increased the thermal power of gear unit.

Diversification on mounting and output shaft assemblies is in favor of clients on model selection.

Design

JIE parallel shaft and right angle gear housing adapt new design, the distinctive innovation is:

- Less parts type, more specification and models
- Higher reliability, bigger power rate
- Adapt outstanding non-contact anti-friction labyrinth type seal;
- Provide flange type output shaft, to match the installation requirement in the small space (according the requirement of customer)

Installation

JIE gear box have horizontal and vertical type installation

Provide other installation type according the requirement of customer.

Provide the standard specification of flange, housing swing base and torque arm.



齿轮的噪音特性

采用最新设计思想，通过以下途径彻底改善齿轮的噪音特性；

- 圆锥伞齿轮磨削工艺；
- 利用MASAK计算机程序，设计吸收噪音的箱体结构；
- 采用特大的齿面接触比。

齿轮箱散热

JIE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，主要通过以下方案；

- 增大箱体的表面积；
- 采用非接触迷宫式密封装置；
- 采用大风扇及新型导流风扇罩；
- 根据较低的最大充许油温选择JIE齿轮箱。这样，可因换油周期加长而提高设备运行的可靠性，并降低设备维护费用。

Noise identify

New design idea and improve the noise identify through following solution:

- Conic bevel gear grinding technics;
- MASAK computer software , to design the housing with the function of absorb the noise;
- Adapt the extra large engagement factor of gear;

Housing thermolysis

JIE gear box have not only the high efficiency but also the good thermolysis performance:

- Increase the surface of housing;
- Non-contact labyrinth type seal ;
- Adapt the big fan and new fan cover with flow deflector;
- According the lower and maximum allowable oil temperature to select the JIE gear box to increase the reliability by long oil exchanging period and reduce the maintenance cost.



2.2 一般说明

General Information

注意事项!

Attention!

- 系列样本中的附图只属范例，并不具有约束力。JIE保留变更尺寸的权利。

- Illustrations are examples only and not strictly binding. Dimensions are subject to change.

- 所注重量仅为平均值，并不具有约束力。

- The weights are mean values and not strictly binding.

- 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。

- To prevent accidents, all rotating parts should be guarded according to local and national safety regulations.

- 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。

- Prior to commissioning, the operating instructions must be observed. The gear units are delivered ready for operation but without oil filling.

- 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。

- Oil quantities given are guide values only. The exact quantity of oil depends on the marks on the oil dipstick.

- 润滑油粘度应符合齿轮箱铭牌上的数据。

- The oil viscosity has to correspond to the data given on the name plate.

- 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。

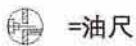
- The gear units are supplied with radial shaft seals. Other sealing variants on request.

- 转动方向是指面向输出轴时输出轴d₂的转动方向。

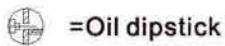
- Directions of rotation referring to output shaft d₂.

在尺寸图上所使用的符号说明如下：

Explanation of symbols used in the dimensioned drawings



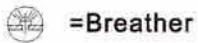
=油尺



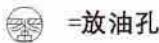
=Oil dipstick



=通气孔



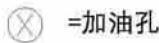
=Breather



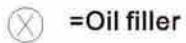
=放油孔



=Oil drain



=加油孔



=Oil filler

2.3 基本类型概述

Summary of Basic Types



卧式安装		Horizontal mounting position	
平行轴齿轮箱		Helical gear units	
类型 JRHH1..,JRHH2..,JRHH3..,JRHH4.. 1-4级,in=1.25-450		Type JRHH1..,JRHH2..,JRHH3..,JRHH4.. 1-4stage,in=1.25-450	
JRHH.SH	JRHH.HH	JRHH.DH	JRHH.HM,JRHH.DM
直交轴齿轮箱		Bevel-helical gear units	
类型 JRHB2..,JRHB3..,JRHB4.. 2-4级,in=5-400		Type JRHB2..,JRHB3..,JRHB4.. 2-4stage,in=5-400	
JRHB.SH	JRHB.HH	JRHB.DH	JRHB.HM,JRHB.DM

立式安装		Vertical mounting position	
平行轴齿轮箱		Helical gear units	
类型 JRHH2.V,JRHH3.V,JRHH4.V 2-4级,in=6.3-450		Type JRHH2.V,JRHH3.V,JRHH4.V 2-4stage,in=6.3-450	
JRHH.SV	JRHH.HV	JRHH.DV	
直交轴齿轮箱		Bevel-helical gear units	
类型 JRHB2.V,JRHB3.V,JRHB4.V 2-4级,in=5-400		Type JRHB2.V,JRHB3.V,JRHB4.V 2-4stage,in=5-400	
JRHB.SV	JRHB.HV	JRHB.DV	

3. 型号说明 Model Description

J R H H 3 S H 8 - 50 - A

1 企业代码
J--杰牌企业

2 产品代码

3 类型
H--平行轴齿轮箱
B--直交轴齿轮箱

4 传动级数
1, 2, 3, 4

5 输出轴形式
S--实心轴
H--空心轴
D--带胀紧盘的空心轴

6 安装方式
H--卧式安装
M--卧式安装, 不带地脚
V--立式安装

7 规格
(5…20)

8 传动比

9 布置形式
A, B, C, D

J R H H 3 S H 8 - 50 - A

1 Enterprise Code
J--JIE Corp

2 Product code

3 Type
H--Helical gear units
B--Bevel-helical gear units

4 No. of stages
1, 2, 3, 4

5 Output shaft design
S--Solid shaft
H--Hollow shaft
D--Hollow shaft shrink disk

6 Mounting
H--Horizontal
M--Horizontal design Without feet
V--Vertical

7 Size
(5…20)

8 Transmission ratio

9 Assemblies
A, B, C, D

示例 JRHH3SH8-50-A
Example JRHH3SH8-50-A

杰牌JRH系列产品中平行轴齿轮箱，3级传动，8号箱，实心轴输出，卧式安装，传动比为50，
布置形式为A种。

JIE Series Products, Helical gear units, 3-stage, Size 8, Solid output shaft design, horizontal
mounting position, i=50, design A



4. 齿轮箱选型

Selection of gear units

4.1 符号说明

Key to Symbols

符号说明

E_0 =每小时工作周期, 以%表示
(例如 $E_0=60\%/\text{h}$)

F_1 =工作机系数(表1), 见第13页

F_2 =原动机系数(表2), 见第14页

F_3 =峰值扭矩系数(表3), 见第14页

$F_{4,5}$ =环境温度系数(表4,5), 见第14页

$F_{6,7}$ =海拔高度系数(表6,7), 见第14页

f_8 =齿轮箱供油系数

对于立式安装齿轮箱见(表8)见第15页

对于卧式安装齿轮箱: $f_8=1$

f_9 、 f_{10} 、 f_{11} 、 f_{12} =热容量系数(表9、10、11、12)
见第15页

i =实际传动比

i_N =额定传动比

i_s =要求传动比

n_1 =输入转速(r/min)

n_2 =输出转速(r/min)

P_G =需要的热容量

P_{G1} =齿轮箱的热容量, 不带辅助冷却装置,
见第17-25页

P_{G2} =齿轮箱的热容量, 带冷却风扇,
见第17-25页

P_{G3} =齿轮箱的热容量, 带内置式冷却盘管,
见第17-25页

P_{G4} =齿轮箱的热容量, 同时带内置式冷却盘管
和冷却风扇, 见第17-25页

P_N =齿轮箱的额定功率(kW), 见第16-24页功率表

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26-27页

Key to symbols

E_0 =Operating cycle per hour in %
e.g. $E_0=60\%/\text{h}$

f_1 =Factor for driven machine(table1),page 13

f_2 =Factor for prime mover(table3),page 14

f_3 =Peak torque factor(table3),page 14

$f_{4,5}$ =Thermal factors(table4,5),page 14

$f_{6,7}$ =Altitude factor(table6,7), page 14

f_8 =Oil supply factor for vertical gear units
(table 8),page 15

For horizontal gear units: $f_8=1$

f_9 、 f_{10} 、 f_{11} 、 f_{12} = Thermal capacity (table 9、10、11、12)
page 15

i =Actual ratio

i_N =Nominal ratio

i_s =Required ratio

n_1 =Input speed(r/min)

n_2 =Output speed(r/min)

P_G =Required thermal capacity

P_{G1} =Thermal capacity for gear units without
auxiliary cooling,pages 17-25

P_{G2} =Thermal capacity for gear units with fan
cooling,pages 17-25

P_{G3} =Thermal capacity for gear units with
built-in cooling coil,pages 17-25

P_{G4} =Thermal capacity for gear units with
built-in cooling coil and fan,pages 17-25

P_N =Nominal power rating of gear unit(kW),
see rating tables,pages 16-24

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 26-27

4.2 选型指南

Guidelines for the Selection

序号 Steps	说 明 Specification	代号 Symbol	参 数 计 算 Calculate parameter				
1	工作机系数 Factor for driven machine	f_1	查13页f1表 See P 13 f1 table				
2	原动机系数 Factor for prime mover	f_2	查14页f2表 See P 14 f2 table				
3	齿轮箱许用输入转速 Permissible input speed	n_1	≤ 1500				
4	输入与输出轴关系 Position of input and output	JRHH JRHB	平行选JRHH系列，垂直选JRHB系列 JRHH:Parallel shaft,JRHB:Right-angled shaft				
5	确定减速比 Determine ratio	i	$i = n_1 / n_2$				
6	传动效率 Efficiency	η	单级：98% 二级：96% 三级：94% 四级：92% single stage:98% 2-stage:96% 3-stage:94% 4-stage:92%				
7	确认齿轮箱额定功率 Determine nominal power	P_N	$P_N \geq P_2 \cdot f_1 \cdot f_2 / \eta$				
8	确认输出形式 Determine output mode		输出轴形式及安装方位 Output mode and mounting position				
9	峰值扭矩校核 Check for peak torque	T_A	$P_N \geq T_A \cdot n_1 \cdot f_3 / 9550$				
10	检查附加径向力 Check for forces on output shaft	F_{R2}					
11	确定供油方式 Determination of oil supply		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">卧式安装 Horizontal</td> <td style="width: 50%;">立式安装 Vertical</td> </tr> <tr> <td>可供选择润滑油供油方式： - 飞溅润滑 - 浸油润滑 所有需润滑的零部件均浸在润滑油中 - 强制润滑 Possible oil supply variations: All parts to be lubricated are lying in the oil or are splash lubricated Forced lubrication on request.</td> <td>可供选择润滑油供油方式： - 浸油润滑 - 采用法兰泵或电动泵进行强制润滑 Possible oil supply variations: - Dip lubrication - Forced lubrication by means of flanged-on pump or motor pump</td> </tr> </table>	卧式安装 Horizontal	立式安装 Vertical	可供选择润滑油供油方式： - 飞溅润滑 - 浸油润滑 所有需润滑的零部件均浸在润滑油中 - 强制润滑 Possible oil supply variations: All parts to be lubricated are lying in the oil or are splash lubricated Forced lubrication on request.	可供选择润滑油供油方式： - 浸油润滑 - 采用法兰泵或电动泵进行强制润滑 Possible oil supply variations: - Dip lubrication - Forced lubrication by means of flanged-on pump or motor pump
卧式安装 Horizontal	立式安装 Vertical						
可供选择润滑油供油方式： - 飞溅润滑 - 浸油润滑 所有需润滑的零部件均浸在润滑油中 - 强制润滑 Possible oil supply variations: All parts to be lubricated are lying in the oil or are splash lubricated Forced lubrication on request.	可供选择润滑油供油方式： - 浸油润滑 - 采用法兰泵或电动泵进行强制润滑 Possible oil supply variations: - Dip lubrication - Forced lubrication by means of flanged-on pump or motor pump						
12	确认冷却方式 Cooling method		1如满足以下条件，则齿轮箱不带辅助冷却装置 Adequate for gear units without auxiliary cooling, if: $P_2 \leq Pg1Xf4Xf6Xf8Xf9$ 2如满足以下条件，则齿轮箱带冷却风扇可满足要求， Adequate for gear units with fan cooling, if: $P_2 \leq Pg2Xf4Xf6Xf8Xf10$ 3如满足以下条件，则齿轮箱需带冷却盘管可满足要求， Adequate for gear units with fitted cooling coil, if: $P_2 \leq Pg3Xf5Xf7Xf8Xf11$ 4如满足以下条件，则齿轮箱需带冷却盘管和风扇可满足要求， Adequate for gear units with cooling coil and fan, if: $P_2 \leq Pg4Xf5Xf7Xf8Xf12$ 5如需要较高的热容量，则可按用户要求提供外部润滑油冷却装置进行冷却。 For higher thermal capacities, cooling by external oil cooler on request.				

*峰值扭矩：最大负载扭矩，是指启动、制动或最大脉动载荷所引起的最大扭矩。

*Peak torque: Maximum torque is maximum starting torque, maximum braking torque.



4.3 选型举例 Selection example

已知条件

原动机：
 $P_1=75\text{KW}$
 $n_1=1500\text{rpm}$
 $T_A=720\text{N} \cdot \text{m}$

工作机（皮带输送机）

$P_2=66\text{KW}$
 $n_2=26\text{rpm}$
工作制为：8小时/天
每小时起动次数：10次
每小时工作周期ED=100%
环境温度：30°C
室外安装
海拔高度：600m
直交齿轮箱
安装方式：卧式
输出轴：实心轴
布置方式：C

Known criteria

Prime mover:
 $P_1=75\text{KW}$
 $n_1=1500\text{rpm}$
 $T_A=720\text{N} \cdot \text{m}$

Driven machine(belt conveyor)

$P_2=66\text{KW}$
 $n_2=26\text{rpm}$
service duration:8h/day
Starts per hour:10times/hour
Working circle ED=100%per hour
Ambient temperature:30°C
installed in open field
Altitude:600m
Right-angled shaft
Mounting mode:Horizontal
Output shaft:solid shaft
Shaft arrangement:C

选型步骤

1.计算速比

$$i = n_1/n_2 = 1500/26 = 57.7 \quad i_N = 56$$

2.确定减速机的额定功率

$$P_N \geq P_2 \cdot f_1 \cdot f_2 / \eta \\ = 66 \times 1.3 \times 1 / 0.94 = 91.3\text{kW}$$

从功率表中选择类型JRHB3SH9，
对应额定功率 $P_N=96\text{kW}$

3.校核峰值扭矩：

$$P_N \geq T_A \cdot n_1 \cdot f_3 / 9550 \\ = 720 \times 1500 \times 0.65 / 9550 = 73.5\text{kW}$$

$P_N=96\text{kW}>73.5\text{kW}$ 符合条件

4.校核热容量：

$$P_{G1} X f_4 X f_5 X f_6 X f_7 \\ = 79.4 \times 0.87 \times 1 \times 1 \times 1.14 \\ = 78.7\text{kW}$$

$P_2=66\text{kW}<78.7\text{kW}$

所以齿轮箱不带辅助冷却装置。

Selecting steps:

1.Calculate ratio

$$i = n_1/n_2 = 1500/26 = 57.7 \quad i_N = 56$$

2.Determine nominal power rating

$$P_N \geq P_2 \cdot f_1 \cdot f_2 / \eta \\ = 66 \times 1.3 \times 1 / 0.94 = 91.3\text{kW}$$

Selected from power rating table:JRHB3SH9,
with $P_N=96\text{kW}$

3.Verify peak torque

$$P_N \geq T_A \cdot n_1 \cdot f_3 / 9550 \\ = 720 \times 1500 \times 0.65 / 9550 = 73.5\text{kW}$$

$P_N=96\text{kW}>73.5\text{kW}$ Meet requirement

4.Verify thermal capacity

$$P_{G1} X f_4 X f_5 X f_6 X f_7 \\ = 79.4 \times 0.87 \times 1 \times 1 \times 1.14 \\ = 78.7\text{kW}$$

$P_2=66\text{kW}<78.7\text{kW}$

So auxiliary cooling device is unnecessary

型号表示为：JRHB3SH9-56-C

Model:JRHB3SH9-56-C

4.4 服务系数 Service Factors

工作机 Driven machines		日带载运行时间(小时) Effective daily operating period under load in hours			工作机 Driven machines		日带载运行时间(小时) Effective daily operating period under load in hours		
		0.5	>0.5-10	>10			0.5	>0.5-10	>10
污水处理	Waste water treatment				输送机械	Conveyors			
浓缩器(中心传动)	Thickeners (central drive)	-	-	1.2	斗式输送机	Bucket conveyors	-	1.5	1.8
压滤器	Filter presses	1.0	1.3	1.5	绞车	Hauling winches	1.4	1.6	1.8
絮凝器	Flocculation apparatus	0.8	1.0	1.3	卷扬机	Hoists	-	1.5	1.8
曝气机	Aerators	-	1.8	2.0	皮带输送机≤150kW	Belt conveyors 150kW	1.0	1.3	1.5
搂集设备	Raking equipment	1.0	1.2	1.3	皮带输送机≥150kW	Belt conveyors 150kW	1.1	1.3	1.6
纵向、回转组	Combined longitudinal and rotary rakes	1.0	1.3	1.5	货用电梯*	Goods lifts	-	1.2	1.5
合式接集装置	Pre-thickeners	-	1.1	1.3	客用电梯	Passenger lifts	-	1.5	1.8
浓缩器	Screw pumps	-	1.4	1.6	刮板式输送机	Apron conveyors	-	1.3	1.6
螺杆泵	Water turbines	-	-	2.0	自动扶梯	Escalators	1.0	1.2	1.4
水轮机	Pumps				轨道行走机构	Rail traveling gears	-	1.6	-
泵	Centrifugal pumps	1.1	1.3	1.5					
离心泵	Positive-displacement pumps								
容积式泵	1 piston	1.3	1.4	1.8					
1个活塞	>1 piston	1.2	1.4	1.5					
挖泥机	Dredgers				变频装置	Frequency converters	-	1.8	2.0
斗式运输机	Bucket conveyors	-	1.6	1.8					
履带式行走机构	Caterpillar travelling gears	1.2	1.6	1.8	往复式压缩机	Reciprocating compressors	-	1.8	1.9
斗轮式挖掘机	Bucket wheel excavators								
用于捡拾	as pick-up	-	1.7	1.7	起重机械**	Cranes			
用于粗料	for primitive material	-	2.2	2.2	回转机构*	Slewing gears	1.0	1.4	1.8
切碎机	Cutter heads	-	2.2	2.2	俯仰机构	Luffing gears	1.0	1.1	1.4
采掘臂回转*	Slewing gears*	-	1.4	1.8	行走机构	Travelling gears	1.1	1.6	2.0
弯板机*	Plate bending machines*	-	1.0	1.0	提升机构	Hoisting gears	1.0	1.2	1.5
				转臂式起重机	Derrick jib cranes	1.0	1.2	1.6	
化学工业	Chemical industry				冷却塔	Cooling towers			
挤压机	Extruders	-	-	1.6	冷却塔风扇	Cooling tower fans	-	-	2.0
调浆机	Dough mills	-	1.8	1.8	风机(轴流和离心式)	Blowers(axial and radial)	-	1.4	1.6
橡胶研光机	Rubber calenders	-	1.5	1.5					
冷却圆筒	Cooling drums	-	1.3	1.4					
混料机, 用于均匀介质	Mixers for uniform media	1.0	1.3	1.5	食品工业	Food industry			
非均匀介质	non-uniform media	1.4	1.6	1.7	蔗糖生产	Cane sugar production			
搅拌机, 用于密度均匀介质	Agitators for media with uniform density	1.0	1.3	1.5	甘蔗切碎机*	Cane knives	-	-	1.7
搅拌机, 用于不均匀介质	non-uniform density	1.2	1.5	1.7	甘蔗碾磨机	Cane mills	-	-	1.7
不均匀气体吸收	non-uniform gas absorption	1.4	1.6	1.8	甜菜糖生产	Beet sugar production			
烘炉	Toasters	1.0	1.3	1.5	甜菜绞碎机	Beet cossletes macerators,			
离心机	Centrifuges	1.0	1.2	1.3	榨取机, 机械致冷机、蒸煮机	Extraction plants, Mechanical refrigerators, Juice boilers,			
金属加工设备	Metal working mills				甜菜清洗机	Sugar beet washing machines,			
翻板机	Plate tilters	1.0	1.0	1.2	甜菜切碎机	Sugar beet cutters			
推钢机	Ingot pushers	1.0	1.2	1.2					
绕线机	Winding machines	-	1.6	1.6	造纸机械	Paper machines			
冷床横移架	Cooling bed transfer frames	-	1.5	1.5	各种类型***	of all kind	-	1.8	2.0
辊式矫直机	Roller straighteners	-	1.6	1.6	碎浆机驱动装置	Pulper drives			
辊道	Roller tables								
连续式	continuous	-	1.5	1.5					
间歇式	intermittent	-	2.0	2.0					
可逆式轧管机	Reversing tube mills	-	1.8	1.8					
剪切机	Shears								
连续式*	continuous	-	1.5	1.5					
曲柄式*	crank type	1.0	1.0	1.0					
连铸机驱动装置	Continuous casting drivers	-	1.4	1.4					
轧机	Rolls								
可逆式开坯机	Reversing blooming mills	-	2.5	2.5					
可逆式板坯轧机	Reversing slabbing mills	-	2.5	2.5					
可逆式线材轧机	Reversing wire mills	-	1.8	1.8					
可逆式薄板轧机	Reversing sheet mills	-	2.0	2.0					
可逆式中厚板轧机	Reversing plate mills	-	1.8	1.8					
辊缝调节驱动装置	Roll adjustment drives	0.9	1.0	-					

1. 工作机额定功率P2的确定:

*) 按最大的扭矩确定额定功率。

**) 可将载荷准确地分类。

***) 检验热容量是绝对必要的。

2. 所列各项系数均为经验值。使用这些系数的前提条件是, 所述机械设备应符合通常的设计规范和载荷条件。如遇特殊情况, 请及时与我们取得联系。

3. 对于那些未列入此表的工作机械, 请与我们联系。

1.Design for power rating of driven machine P2

*)Designed power corresponding to max.torque

**)Load can be exactly classified.

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

2.The listed factors are empirical values.Perequisite 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.

3.For driven machines which are not listed in this table,please refer to us.



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

Table2 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

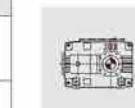


表3 峰值扭矩系数		f_3	
	每小时峰值负荷次数		
	1-5	6-30	31-100
f_3 单向载荷	0.5	0.65	0.7
f_3 交变载荷	0.7	0.95	1.10
			>100
			0.85

Table3 Peak torque factor		f_3	
	Load peaks per hour		
	1-5	6-30	31-100
f_3 Steady direction of load	0.5	0.65	0.7
f_3 Alternating direction of load	0.7	0.95	1.10
			>100
			0.85

表4 环境温度系数		f_4			
不带辅助冷却装置或仅带冷却风扇					
环境温度	100	80	60	40	20
10°C	1.14	1.20	1.32	1.54	2.04
20°C	1.00	1.06	1.16	1.35	1.79
30°C	0.87	0.93	1.00	1.18	1.56
40°C	0.71	0.75	0.82	0.96	1.27
50°C	0.55	0.58	0.64	0.74	0.98

Table4 Thermal factor		f_4			
Gear units without auxiliary cooling or with fan					
Ambient	100	80	60	40	20
10°C	1.14	1.20	1.32	1.54	2.04
20°C	1.00	1.06	1.16	1.35	1.79
30°C	0.87	0.93	1.00	1.18	1.56
40°C	0.71	0.75	0.82	0.96	1.27
50°C	0.55	0.58	0.64	0.74	0.98

表5 环境温度系数		f_5			
带冷却盘管或同时带冷却盘管和风扇					
环境温度	100	80	60	40	20
10°C	1.04	1.10	1.21	1.40	1.86
20°C	1.00	1.06	1.16	1.35	1.79
30°C	0.93	0.99	1.08	1.26	1.66
40°C	0.88	0.93	1.02	1.19	1.58
50°C	0.81	0.86	0.94	1.09	1.45

Table5 Thermal factor		f_5			
For cooling with cooling coil,or with fan and cooling coil					
Ambient	100	80	60	40	20
10°C	1.04	1.10	1.21	1.40	1.86
20°C	1.00	1.06	1.16	1.35	1.79
30°C	0.93	0.99	1.08	1.26	1.66
40°C	0.88	0.93	1.02	1.19	1.58
50°C	0.81	0.86	0.94	1.09	1.45

表6 海拔高度系数		f_6			
不带辅助冷却装置或仅带冷却风扇					
系数	海拔高度 (m, 高于海平面)				
	高达 1000	高达 2000	高达 3000	高达 4000	高达 5000
f_6	1.0	0.95	0.90	0.85	0.80

Table6 Factor for altitude		f_6			
Gear units without auxiliary cooling or with fan					
Factor	Altitude(metres above MSL)				
	up to 1000	up to 2000	up to 3000	up to 4000	up to 5000
f_6	1.0	0.95	0.90	0.85	0.80

表7 海拔高度系数		f_7			
带冷却盘管或同时带冷却盘管和风扇					
系数	海拔高度 (m, 高于海平面)				
	高达 1000	高达 2000	高达 3000	高达 4000	高达 5000
f_7	1.0	0.98	0.96	0.94	0.92

Table7 Factor for altitude		f_7			
For cooling with cooling coil,or with fan and cooling coil					
Factor	Altitude(metres above MSL)				
	up to 1000	up to 2000	up to 3000	up to 4000	up to 5000
f_7	1.0	0.98	0.96	0.94	0.92

表8 立式安装齿轮箱供油系数。对于卧式安装齿轮箱：当采用浸油润滑时 $f_8=1.0$ ；当采用强制润滑时 $f_8=1.05$									
Table 8 Oil supply factor for vertical gear units. For horizontal gear units $f_8=1.0$, and in case of forced lubrication $f_8=1.05$									
齿轮箱类型 Gear unit type	供油方式 Oil supply	规格/Sizes 5...12				规格/Sizes 13...18			
		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	带风扇和冷却盘管 with Fan and cooling coil	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	带风扇和冷却盘管 with Fan and cooling coil
JRHH2..V JRHH3..V JRHH4..V	浸油润滑 Dip lubrication	0.95	****	0.95	****	****	****	****	****
	强制润滑 Forced lubrication	1.15	****	1.05	****	1.15	****	1.05	****
JRHB2..V JRHB3..V JRHB4..V	浸油润滑 Dip lubrication	0.95	0.95	0.95	0.95	****	****	****	****
	强制润滑 Forced lubrication	1.15	1.10	1.10	1.10	1.15	1.10	1.10	1.10

表9 不带辅助冷却装置齿轮箱的热容量系数														
Table 9 Thermal capacity factor for gear units without auxiliary cooling														
齿轮箱类型 Gear unit type	n r/min	速比i Ratio i	狭小空间安装*规格				室内大厅、大车间安装**规格				室外安装***规格			
			Small confined spaces				Large halls workshops				In the open			
JRHH1SH..	750	1.25..2 2.24..5.6	0.54 0.60	0.51 0.58	- 0.55	0.50	0.69 0.73	0.66 0.71	0.68 0.67	- 0.67	0.9 0.9	0.9 0.9	0.9 0.9	0.9
		1000	1.25..2 2.24..5.6	0.50 0.62	- 0.53	0.48	- 0.77	0.57 0.68	0.57 0.59	- 0.45	0.89 0.96	0.81 0.89	- 0.81	0.70
	1500	1.25..2 2.24..3.55 4..5.6	0.39 0.50 0.67	- 0.47	- 0.47	- 0.84	0.57 0.60	- 0.50	- 0.62	- -	0.83 0.94	0.77 0.86	- 0.68	-
JRHH2..	750	5..9 10..28	0.63 0.67	0.55 0.65	0.57 0.64	0.65	0.77 0.79	0.72 0.78	0.70 0.77	0.72 0.77	0.95 0.95	0.95 0.95	0.95 0.95	0.95
	1000	5..9 10..28	0.63 0.71	0.51 0.65	0.48 0.63	- 0.60	0.79 0.86	0.66 0.80	0.62 0.76	- 0.73	1.01 1.05	0.90 1.01	0.86 0.98	0.92
JRHB2..	1500	5..6..3 7..9 10..16 18..28	0.53 0.61 0.53 0.66	- 0.45 0.53 0.60	- 0.47 0.51 0.60	- 0.72	0.56 0.59	- 0.64	- 0.64	1.00 1.14	0.84 0.93	- 0.88	0.77 0.79	-
		750	12..5..112	0.67	0.67	0.67	0.79	0.79	0.79	0.78	0.95	0.95	0.95	0.95
JRHH3..	750	12..5..112	0.67	0.67	0.67	0.67	0.79	0.79	0.79	0.78	0.95	0.95	0.95	0.95
	1000	12..5..112	0.72	0.70	0.67	0.67	0.86	0.85	0.82	0.80	1.04	1.04	1.02	1.00
JRHB3..	1500	12..5..31..5 35..6..56	0.73 0.79	0.59 0.74	0.51 0.61	0.65	0.91 0.95	0.80 0.91	0.64 0.83	0.62 0.77	1.15 1.17	1.05 1.14	0.90 1.06	0.84 1.02
		63..112	0.83	0.83	0.80	0.77	0.98	0.98	0.95	0.92	1.18	1.18	1.17	1.14
JRHH4..	750	80..450	0.71	0.72	0.73	0.73	0.84	0.85	0.85	0.85	1.00	1.00	1.00	1.00
	1000	80..450	0.76	0.77	0.78	0.78	0.90	0.91	0.91	0.91	1.09	1.09	1.09	1.09
JRHB4..	1500	80..112 125..450	0.79 0.84	0.82 0.86	0.80 0.85	0.72 1.01	0.98 1.02	0.98 1.01	0.98 1.01	1.21 1.23	1.21 1.23	1.21 1.23	1.21 1.23	1.21

表10 带冷却风扇齿轮箱的热容量系数														
Table 10 Thermal capacity factor for gear units with fan														
齿轮箱类型 Gear unit type	n r/min	速比i Ratio i	狭小空间安装*规格				室内大厅、大车间安装**规格				室外安装***规格			
			Small confined spaces				Large halls workshops				In the open			
JRHH1SH..	750	1.25..112	0.88	0.91	0.96	0.96	0.91	0.93	0.97	0.97	0.98	0.98	0.98	0.98
			1.05	1.10	1.13	1.15	1.08	1.12	1.14	1.14	1.15	1.16	1.16	1.16
JRHB2..JRHB3..	1500	1.25..112	1.39	1.44	1.43	1.42	1.41	1.45	1.43	1.42	1.47	1.48	1.45	1.44

表11 带冷却盘管齿轮箱的热容量系数														
Table 11 Thermal capacity factor for gear units with cooling coil														
齿轮箱类型 Gear unit type	n r/min	速比i Ratio i	狭小空间安装*规格				室内大厅、大车间安装**规格				室外安装***规格			
			Small confined spaces				Large halls workshops				In the open			
JRHH1SH..	750	1.25..28	0.82	0.85	0.84	0.87	0.89	0.90	0.90	0.91	0.98	0.98	0.98	0.98
			092	0.98	0.94	0.94	1.02	1.03	1.00	1.00	1.12	1.12	1.08	1.07
JRHB2..	1500	1.25..28	110	1.12	0.99	0.93	1.21	1.20	1.05	1.00	1.34	1.30	1.14	1.08
				0.84				0.90				0.98		
JRHH3..	1000	12..5..112		0.96				1.04				1.12		
				1.18				1.28				1.38		

表12 带冷却风扇和冷却盘管齿轮箱的热容量系数														
Table 12 Thermal capacity factor for gear units with fan and cooling coil														
齿轮箱类型 Gear unit type	n r/min	速比i Ratio i	狭小空间安装*规格				室内大厅、大车间安装**规格				室外安装***规格			
			Small confined spaces				Large halls workshops				In the open			
JRHH1SH..	750	1.25..112	0.91	0.95	0.96	0.94	0.96	0.97	0.97	0.98	0.98	0.98	0.98	0.98
			1.11	1.16	1.16	1.13	1.17	1.17	1.17	1.17	1.19	1.19	1.18	
JRHB2..JRHB3..	1500	1.25..112	1.50	1.55	1.50	1.51	1.58	1.51	1.51	1.55	1.57	1.57	1.51	

*) 风速 $\geq 1\text{m/s}$
 **) 风速 $\geq 2\text{m/s}$
 ***) 风速 $\geq 4\text{m/s}$
 ****) 根据客户要求供货
 -需要辅助冷却装置
 **) Wind velocity $\geq 2\text{m/s}$
 ***) Wind velocity $\geq 4\text{m/s}$
 ****) On request
 *) Wind velocity $\geq 1\text{m/s}$
 -Require auxiliary cooling

5. 技术参数 Technical Data

平行轴齿轮箱 额定功率

Helical gear units Nominal Power Ratings

类型 JRHH1.. 规格 5-19

Type JRHH1.. Sizes 5-19

i _n	n ₁ r/min	n ₂	额定功率 Nominal Power Ratings														
			齿轮箱规格 Gear unit Sizes														
			5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.25	1500	1200	898		1704		2756										
	1000	800	598		1136		1837										
	750	600	449		853		1378										
1.4	1500	1071	823		1590		2551										
	1000	714	549		1060		1700										
	750	536	412		796		1277										
1.6	1500	938	752		1423		2364		4008								
	1000	625	501		948		1576		2670		4205						
	750	469	375		711		1182		2003		3156						
1.8	1500	833	685		1353		2171		3683								
	1000	556	457		903		1449		2458		3937						
	750	417	343		677		1086		1844		2953						
2	1500	750	657		1241		2002		3420								
	1000	500	438		828		1335		2281		3642						
	750	375	328		621		1002		1711		2732		4848				
2.24	1500	670	601		1109		1789		3149								
	1000	446	400		738		1191		2096		3349						
	750	335	301		555		895		1574		2515		4366				
2.5	1500	600	539		993		1602		2819								
	1000	400	359		662		1068		1880		3076		4699				
	750	300	269		497		801		1410		2307		3524				
2.8	1500	536	480		853		1357		2519								
	1000	357	320		568		904		1678		2746		4308				
	750	268	241		426		678		1260		2061		3234		4895		
3.15	1500	476	427		773		1245		2130		3477						
	1000	317	285		515		829		1419		2315		3927				
	750	238	213		387		623		1065		1739		2949		4397		
3.55	1500	423	375		701		1125		1975		3145						
	1000	282	250		467		750		1316		2096		3554				
	750	211	187		349		561		985		1569		2659		3898		
4	1500	345	337		621		1002		1763		2836						
	1000	250	224		414		667		1175		1890		3258		4620		
	750	188	168		311		502		883		1422		2450		3474		4919
4.5	1500	333	239		491		761		1423		2048		3628				
	1000	222	159		327		507		949		1366		2418		3462		
	750	167	119		246		381		713		1027		1820		2604		3853
5	1500	300	202		385		657		1080		1746		2846				
	1000	200	135		256		438		720		1164		1897		2649		3717
	750	150	101		192		328		540		873		1423		1987		2788
5.6	1500	268	171		326		501		910		1483		2418				
	1000	179	114		218		335		608		990		1616		2256		2868
	750	134	86		163		251		455		742		1210		1689		2147

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

平行轴齿轮箱 热容量

类型 JRHH1.. 规格 5-19

Helical gear units Thermal Capacities

Type JRHH1.. Sizes 5-19

i _n		热容量 Thermal Capacities																
		齿轮箱规格 Gear unit Sizes					5	6	7	8	9	10	11	12	13	14	15	16
热容量 P _o (单位为kW)取决于冷却方式: P _{o1} : 无辅助冷却装置; P _{o2} : 带冷却风扇; P _{o3} : 带冷却盘管; P _{o4} : 带风扇和冷却盘管 Thermal capacity P _o (in KW) dependent on kind of cooling: P _{o1} :without auxiliary cooling,P _{o2} :fan cooling,P _{o3} :cooling coil,P _{o4} :fan and cooling coil.																		
1.25	P _{G1}	179		306		472												
	P _{G2}	342		551		831												
	P _{G3}	626		1042		1749												
	P _{G4}	750		1266		2100												
1.4	P _{G1}	182		303		479												
	P _{G2}	340		550		827												
	P _{G3}	613		1021		1701												
	P _{G4}	729		1229		2029												
1.6	P _{G1}	177		300		482												
	P _{G2}	330		527		810												
	P _{G3}	576		932		1609												
	P _{G4}	687		1134		1920												
1.8	P _{G1}	176		297		477												
	P _{G2}	318		533		792												
	P _{G3}	545		912		1506												
	P _{G4}	643		1119		1823												
2	P _{G1}	169		295		467												
	P _{G2}	305		517		766												
	P _{G3}	506		883		1426												
	P _{G4}	606		1062		1710												
2.24	P _{G1}	163		292		449												
	P _{G2}	289		481		729												
	P _{G3}	473		788		1334												
	P _{G4}	564		959		1598												
2.5	P _{G1}	156		288		427												
	P _{G2}	271		450		684												
	P _{G3}	439		730		1217												
	P _{G4}	521		884		1470												
2.8	P _{G1}	147		280		449												
	P _{G2}	251		469		713												
	P _{G3}	400		752		1263												
	P _{G4}	475		913		1514												
3.15	P _{G1}	143		256		360												
	P _{G2}	240		410		576												
	P _{G3}	376		697		1061												
	P _{G4}	443		834		1263												
3.55	P _{G1}	138		236		333												
	P _{G2}	233		375		526												
	P _{G3}	357		618		939												
	P _{G4}	421		748		1132												
4	P _{G1}	125		221		285												
	P _{G2}	209		335		444												
	P _{G3}	317		544		777												
	P _{G4}	372		656		936												
4.5	P _{G1}	132		214		305												
	P _{G2}	210		314		467												
	P _{G3}	312		503		801												
	P _{G4}	367		604		960												
5	P _{G1}	127		207		276												
	P _{G2}	199		298		417												
	P _{G3}	293		469		706												
	P _{G4}	343		565		847												
5.6	P _{G1}	116		201		260												
	P _{G2}	175		266		390												
	P _{G3}	254		416		648												
	P _{G4}	298		494		780												

平行轴齿轮箱 额定功率

类型 JRHH2..,JRHH3.. 规格 5-20

Helical gear units Nominal Power Ratings

Type JRHH2..,JRHH3.. Sizes 5-20

			额定功率 Nominal Power Ratings															
i_h	n_1 r/min	n_2	齿轮箱规格 Gear unit Sizes								额定功率 P _N ,kW Nominal Power Ratings P _N ,kW							
			5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6.3	1500	238	262		474		785		1383		2143		3564		4860			
	1000	159	175		316		524		924		1432		2381		3247		4862	
	750	119	131		237		393		692		1072		1782		2430		3639	
7.1	1500	211	232		420		696		1226		1900		3159	3535	4308	5082		
	1000	141	155		281		465		819		1270		2111	2362	2879	3396	4311	4946
	750	106	117		211		350		616		955		1587	1776	2164	2553	3241	3718
8	1500	188	207	266	374	472	620	778	1093	1358	1693	2108	2815	3150	3839	4528		
	1000	125	137	177	249	314	412	517	726	903	1126	1401	1872	2094	2552	3010	3822	4385
	750	94	103	133	187	236	310	389	546	679	846	1053	1408	1575	1919	2264	2874	3297
9	1500	167	184	236	332	420	551	691	971	1207	1504	1871	2501	2798	3410	4022		
	1000	111	122	157	221	279	366	459	645	802	1000	1244	1662	1860	2266	2673	3394	3894
	750	83	91	117	165	209	274	343	482	600	747	930	1243	1391	1695	1999	2538	2912
10	1500	150	165	212	298	377	495	620	872	1084	1351	1681	2246	2513	3063	3613		
	1000	100	110	141	199	251	330	414	581	723	901	1120	1497	1675	2042	2408	3058	3508
	750	75	82	106	149	188	247	310	436	542	675	840	1123	1257	1531	1806	2293	2631
11.2	1500	134	147	189	267	337	442	554	779	968	1207	1501	2006	2245	2736	3227		
	1000	89	98	126	177	224	294	368	517	643	801	997	1333	1491	1817	2143	2721	3122
	750	67	74	95	133	168	221	277	389	484	603	751	1003	1123	1368	1814	2049	2350
12.5	1500	120	132	170	239	302	396	496	697	867	1081	1345	1797	2010	2450	2890	3669	
	1000	80	88	113	159	201	264	331	465	578	720	896	1198	1340	1634	1927	2446	2806
	750	60	66	85	119	151	198	248	349	434	540	672	898	1005	1225	1445	1835	2105
14	1500	107	118	151	213	269	353	443	622	773	964	1199	1602	1793	2185	2577	3272	3753
	1000	71	78	100	141	178	234	294	413	513	639	795	1063	1190	1450	1710	2171	2491
	750	54	59	76	107	136	178	223	314	390	486	605	809	905	1103	1301	1651	1894
16	1500	94	103	133	187	236	310	389	546	679	846	1053	1408	1575	1919	2264	2874	3297
	1000	63	69	89	125	158	208	261	366	455	567	706	943	1055	1286	1517	1926	2210
	750	47	52	66	94	118	155	194	273	340	423	527	704	787	960	1132	1437	1649
18	1500	83	91	117	165	209	274	343	482	600	747	930	1243	1391	1695	1999	2538	2912
	1000	56	62	79	111	141	185	232	325	405	504	627	839	938	1143	1349	1712	1964
	750	42	46	59	84	106	139	174	244	303	378	471	629	704	858	1012	1284	1473
20	1500	75	82	106	149	188	247	310	436	542	675	840	1123	1257	1531	1806	2293	2631
	1000	50	55	71	99	126	165	207	291	361	450	560	749	838	1021	1204	1529	1754
	750	38	42	54	76	95	125	157	221	275	342	426	569	637	776	915	1162	1333
22.4	1500	67	72	95	130	168	217	277	382	484	617	751	1073	1123	1403	1614	2105	2350
	1000	45	48	64	88	113	146	186	257	325	415	504	721	754	942	1084	1414	1579
	750	33	35	47	64	83	107	136	188	238	304	370	529	553	691	795	1037	1158
25	1500	60	69	85	129	151	214	248	377	434	553	672	961	1087	1257	1508	1885	2168
	1000	40	46	57	86	101	142	165	251	289	369	448	641	725	838	1005	1257	1445
	750	30	35	42	64	75	107	124	188	217	276	336	481	543	628	754	942	1084
28	1500	54	62	74	116	133	192	220	339	383	498	616	865	978	1131	1357	1696	1951
	1000	36	41	49	77	89	128	147	226	256	332	411	577	652	754	905	1131	1301
	750	27	31	37	58	66	96	110	170	192	249	308	433	489	565	679	848	975
31.5	1500	48	55	73	103	128	171	216	302	377	442	548	769	870	1005	1206	1508	1734
	1000	32	37	49	69	85	114	144	201	251	295	365	513	580	670	804	1005	1156
	750	24	28	36	52	64	85	108	151	188	221	274	385	435	503	603	754	867
35.5	1500	42	48	64	90	112	150	189	264	330	387	479	673	761	880	1055	1319	1517
	1000	28	32	43	60	75	100	126	176	220	258	320	449	507	586	704	880	1012
	750	21	24	32	45	56	75	95	132	165	194	240	336	380	440	528	660	759

卧式安装齿轮箱要求采用强制润滑

Forced lubrication required on horizontal gear units



平行轴齿轮箱 热容量

Helical gear units Thermal Capacities

类型 JRHH2..,JRHH3.. 规格 5-20

Type JRHH2..,JRHH3.. Sizes 5-20

			热容量 Thermal Capacities																	
			齿轮箱规格 Gear unit Sizes																	
i_N			5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
热容量 P_o (单位为kW)取决于冷却方式: P_{o1} : 无辅助冷却装置; P_{o2} : 带冷却风扇; P_{o3} : 带冷却盘管; P_{o4} : 带风扇和冷却盘管 Thermal capacity P_o (in KW) dependent on kind of cooling: P_{o1} :without auxiliary cooling, P_{o2} :fan cooling, P_{o3} :cooling coil, P_{o4} :fan and cooling coil.																				
6.3	P_{o1}	83.6		136		173		232		386		505		543		618				
	P_{o2}	124		203		280		396		697		943		979		1017				
	P_{o3}	183		296		452		615		1045		1618		1805		0				
	P_{o4}	207		354		531		757		1316		1984		2309		0				
7.1	P_{o1}	82.4		131		170		228		384		515		542		552		664		684
	P_{o2}	125		194		271		395		681		931		972		1120		975		1017
	P_{o3}	180		282		421		606		992		1568		1636		1967		2090		0
	P_{o4}	205		331		498		732		1257		1908		2015		2399		2474		0
8	P_{o1}	80.8	88.3	128	147	165	171	223	267	378	415	521	550	546	607	701	708			
	P_{o2}	122	132	186	218	261	285	383	458	655	719	908	957	1069	1071	1112	1171			
	P_{o3}	173	182	266	303	400	523	578	813	949	1055	1487	1578	1883	1900	0	0			
	P_{o4}	196	208	314	361	472	574	696	947	1194	1318	1826	1937	2366	2564	0	0			
9	P_{o1}	78.5	84.6	123	141	161	165	219	259	369	409	515	547	560	620	725	739			
	P_{o2}	115	130	179	209	250	276	363	447	625	696	885	929	1055	1116	1157	1262			
	P_{o3}	162	178	251	287	383	494	539	770	896	1006	1413	1511	1799	1920	0	0			
	P_{o4}	183	202	296	341	445	543	646	908	1122	1256	1740	1849	2254	2487	0	0			
10	P_{o1}	76.5	85.5	119	136	157	160	218	251	357	404	510	545	570	638	746	761			
	P_{o2}	108	127	170	200	238	263	343	436	596	673	846	902	1039	1162	1328	1353			
	P_{o3}	151	172	235	271	366	466	499	726	843	958	1339	1442	1715	1940	0	0			
	P_{o4}	171	196	277	320	417	513	597	869	1050	1195	1638	1759	2142	2409	0	0			
11.2	P_{o1}	72.8	84.1	117	132	154	158	209	246	361	393	489	533	565	639	744	781			
	P_{o2}	104	124	170	190	224	253	342	409	584	644	807	866	996	1120	1236	1338			
	P_{o3}	142	163	234	256	329	417	489	676	824	1025	1378	1567	1824	2043	0	0			
	P_{o4}	160	186	275	302	389	478	590	793	1033	1127	1532	1663	2012	2282	0	0			
12.5	P_{o1}	71.5	80.6	114	127	147	156	213	237	332	378	503	522	563	617	744	774			
	P_{o2}	101	115	162	181	211	240	329	389	535	612	800	824	965	1072	1242	1287			
	P_{o3}	135	150	219	239	306	390	461	619	729	950	1421	1485	1758	1948	0	0			
	P_{o4}	153	171	257	282	357	452	554	741	912	1054	1515	1556	1916	2143	0	0			
14	P_{o1}	67	76.7	105	124	142	154	211	236	314	380	476	528	560	601	727	773			
	P_{o2}	93.7	108	145	181	201	226	307	388	501	608	743	817	913	1038	1176	1246			
	P_{o3}	124	142	195	237	286	363	428	616	673	931	1313	1456	1634	1857	0	0			
	P_{o4}	141	161	228	279	336	420	510	732	843	1035	1380	1537	1786	2042	0	0			
16	P_{o1}	62.5	75.2	103	121	136	152	207	230	285	349	452	499	524	564	698	752			
	P_{o2}	86.9	105	135	171	186	213	284	371	447	547	696	758	855	979	1103	1182			
	P_{o3}	114	135	178	221	263	336	388	585	599	850	1207	1328	1540	1758	0	0			
	P_{o4}	129	153	208	261	307	388	463	685	743	916	1274	1399	1647	1900	0	0			
18	P_{o1}	61.4	70.5	105	116	136	147	202	225	277	333	428	453	508	581	643	729			
	P_{o2}	82.6	96	131	150	179	197	274	331	428	489	618	675	796	872	984	1053			
	P_{o3}	110	124	175	198	256	314	382	536	637	840	1171	1283	1473	1699	0	0			
	P_{o4}	124	140	201	229	293	359	446	620	770	874	1203	1317	1591	1750	0	0			
20	P_{o1}	57.1	65.6	90.9	104	127	137	196	217	269	301	414	446	518	586	652	695			
	P_{o2}	78.6	91	124	143	177	188	246	290	375	416	561	598	686	817	899	946			
	P_{o3}	102	114	160	180	243	287	326	440	494	630	951	1031	1297	1399	0	0			
	P_{o4}	116	129	186	213	283	333	389	519	612	679	1001	1082	1386	1528	0	0			
22.4	P_{o1}	52.5	64.4	87	100	118	135	192	213	252	304	367	432	504	564	661	661			
	P_{o2}	72.1	88.9	119	143	162	185	226	290	376	418	540	572	712	786		900			
	P_{o3}	92.9	110	151	177	219	279	295	434	496	624	828	962	921	1382					
	P_{o4}	105	126	178	209	256	320	352	508	589	675	958	1017	1077	1463					
25	P_{o1}	61.4	59.9	94.3	97	127	131	185	208	262	283	361	397	440	491	581	610			
	P_{o2}	75.6	82.3	131	132	176	179	256	276	378	384	535	587	651	712					
	P_{o3}	100	102	154	162	221	267	379	403	475	569	780	830	864	969					
	P_{o4}	110	117	181	190	258	305	432	477	562	611	910	972	1022	1134					
28	P_{o1}	59.6	55.1	95.5	93	127	121	181	199	258	282	355	394	434	476	577	608			
	P_{o2}	73.8	75.6	134	125	173	163	247	254	369	414	523	582	636	694					
	P_{o3}	96.1	93.7	155	154	215	247	362	371	445	504	742	787	838	917					
	P_{o4}	107	107	184	182	249	276	412	432	528	603	868	928	989	1080					
31.5	P_{o1}	58.4	64.5	89.7	100	123	124	176	214	251	275	347	390	422	469	564	596			
	P_{o2}	71.8	80.5	126	139	166	175	237	288	354	403	498	575	603	683					
	P_{o3}	92.8	101	148	155	210	264	344	395	423	478	717	754	803	885					
	P_{o4}	103	112	175	184	242	302	389	450	500	574	830	892	938	1045					
35.5	P_{o1}																			

平行轴齿轮箱 额定功率

Helical gear units Nominal Power Ratings

类型 JRHH3...,JRHH4... 规格 5-20

Type JRHH3...,JRHH4... Sizes 5-20

i_N			额定功率 Nominal Power Ratings															
	n ₁	n ₂ r/min	齿轮箱规格 Gear unit Sizes															
			5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
			额定功率P _N ,kW										Nominal Power RatingsP _N ,kW					
40	1500	38	44	58	82	101	135	171	239	298	350	434	609	688	796	955	1194	1373
	1000	25	29	38	54	67	89	113	157	196	230	285	401	453	524	628	785	903
	750	18.8	22	29	40	50	67	85	118	148	173	215	301	341	394	472	591	679
45	1500	33	38	50	71	88	117	149	207	259	304	377	529	598	691	829	1037	1192
	1000	22	25	33	47	59	78	99	138	173	203	251	352	399	461	553	691	795
	750	16.7	19	25	36	45	59	75	105	131	154	191	268	303	350	420	525	603
50	1500	30	35	46	64	80	107	135	188	236	276	342	481	543	628	754	942	1084
	1000	20	23	30	43	53	71	90	126	157	184	228	320	362	419	503	628	723
	750	15	17	23	32	40	53	68	94	118	138	171	240	272	314	377	471	542
56	1500	27	31	41	58	72	96	122	170	212	249	308	433	489	565	679	848	975
	1000	17.9	21	27	38	48	64	81	112	141	165	204	287	324	375	450	562	647
	750	13.4	15	20	29	36	48	60	84	105	123	153	215	243	281	337	421	484
63	1500	24	28	36	52	64	85	108	151	188	221	274	385	435	503	603	754	867
	1000	15.9	18	24	34	42	57	72	100	125	147	181	255	288	333	400	499	574
	750	11.9	14	18	26	32	42	54	75	93	110	136	191	216	249	299	374	430
71	1500	21	24	32	45	56	75	95	132	165	194	240	336	380	440	528	660	759
	1000	14.1	16	21	30	38	50	63	89	111	130	161	226	255	295	354	443	509
	750	10.6	12	16	23	28	38	48	67	83	98	121	170	192	222	266	333	383
80	1500	18.8	22	29	40	50	67	85	118	148	173	215	301	341	394	472	591	679
	1000	12.5	14	19	27	33	45	56	79	98	115	143	200	226	262	314	393	452
	750	9.4	11	14	20	25	33	42	59	74	87	107	151	170	197	236	295	340
90	1500	16.7	19	25	35	45	59	75	105	131	154	191	268	303	350	420	507	603
	1000	11.1	13	17	23	30	39	50	70	87	102	127	178	201	232	279	337	401
	750	8.3	10	13	17	22	29	37	52	65	76	95	133	150	174	209	252	300
100	1500	15		23	32	40	53	68	94	118	138	171	240	272	314	355	471	526
	1000	10		15	21	27	36	45	63	79	92	114	160	181	209	237	314	351
	750	7.5		11	16	20	27	34	47	59	69	86	120	136	157	177	236	263
112	1500	13.4		20	29	35	48	59	84	105	123	153	215	243	281	337	421	484
	1000	8.9		13	19	23	32	39	56	70	82	102	143	161	186	224	280	322
	750	6.7		10	14	18	24	29	42	53	62	76	107	121	140	168	210	242
125	1500	12			26	32	43	54	75	94	111	137	192	217	251	302	377	434
	1000	8			17	21	28	36	50	63	74	91	128	145	168	201	251	289
	750	6			13	16	21	27	38	47	55	68	96	109	126	151	188	217
140	1500	10.7			23	29	38	48	67	84	99	122	171	194	224	269	336	387
	1000	7.1			15	19	25	32	45	56	65	81	114	129	149	178	223	256
	750	5.4			12	14	19	24	34	42	50	62	87	98	113	136	170	195
160	1500	9.4			20	25	33	42	59	74	87	107	151	170	197	236	295	340
	1000	6.3			14	17	22	28	40	49	58	72	101	114	132	158	198	228
	750	4.7			10	13	17	21	30	37	43	54	75	85	98	118	148	170
180	1500	8.3			18	22	30	37	52	65	76	95	133	150	174	209	261	300
	1000	5.6			12	15	20	25	35	44	52	64	90	101	117	141	176	202
	750	4.2			9	11	15	19	26	33	39	48	67	76	88	106	132	152
200	1500	7.5			16	20	27	34	47	59	69	86	120	136	157	188	236	271
	1000	5			11	13	18	23	31	39	46	57	80	91	105	126	157	181
	750	3.8			8.2	10	14	17	24	30	35	43	61	69	80	95	119	137
224	1500	6.7			14	18	24	30	42	53	62	76	107	121	140	168	210	242
	1000	4.5			10	12	16	20	28	35	41	51	72	82	94	113	141	163
	750	3.3			7.1	8.8	12	15	21	26	30	38	53	60	69	83	104	119
250	1500	6			13	16	21	27	38	47	55	68	96	109	126	151	188	217
	1000	4			8.6	11	14	18	25	31	37	46	64	72	84	101	126	145
	750	3			6.4	8	11	14	19	24	28	34	48	54	63	75	94	108
280	1500	5.4			12	14	19	24	34	42	50	62	87	98	113	136	170	195
	1000	3.6			7.7	9.6	13	16	23	28	33	41	58	65	75	90	113	130
	750	2.7			5.8	7.2	10	12	17	21	25	31	43	49	57	68	85	98
315	1500	4.8			10.3	13	17	22	30	38	44	55	77	87	101	121	151	173
	1000	3.2			7	8.5	11	14	20	25	29	37	51	58	67	80	101	116
	750	2.4			5.2	6.4	8.5	11	15	19	22	27	38	43	50	60	75	87
355	1500	4.2			8.6	11	15	19	26	33	39	48	62	76	84	106	128	152
	1000	2.8			5.7	7.5	9.7	13	17	22	26	32	41	51	56	70	85	101
	750	2.1			4.3	5.6	7.3	9.5	13	16	19	24	31	38	42	53	64	76
400	1500	3.8				10.1		17		30		43		63		89		133
	1000	2.5				6.7		11		20		29		41		58		88
	750	1.9				5.1		8.6		15		22		31		44		67
450	1500	3.3				8.6		14		26		38						
	1000	2.2				5.7		9.6		17		25						
	750	1.7				4.4		7.4		13		19						



平行轴齿轮箱 热容量

Helical gear units Thermal Capacities

类型 JRHH3..,JRHH4.. 规格 5-20

Type JRHH3..,JRHH4.. Sizes 5-20

			热容量 Thermal Capacities																		
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			
热容量 P_G (单位为kW)取决于冷却方式: P_{G1} : 无辅助冷却装置; P_{G2} : 带冷却风扇; P_{G3} : 带冷却盘管; P_{G4} : 带风扇和冷却盘管 Thermal capacity P_G (in kW) dependent on kind of cooling: P_{G1} : without auxiliary cooling, P_{G2} : fan cooling, P_{G3} : cooling coil, P_{G4} : fan and cooling coil.																					
40	P_{G1}	54.3	61.8	86.3	96.6	111	121	162	204	228	258	330	360	382	430	527	562				
	P_{G2}	66	76.9	115	134	150	165	216	271	309	368	470	512	550	606						
	P_{G3}	83.6	93.3	135	149	190	253	315	356	383	429	617	666	697	774						
	P_{G4}	92.4	105	156	177	219	286	355	406	443	511	722	780	823	906						
45	P_{G1}	52.3	60.1	79.9	86.7	106	116	161	194	217	247	321	344	378	412	521	542				
	P_{G2}	63.5	74.5	107	122	142	157	215	255	291	345	443	496	542	585						
	P_{G3}	79.7	89.9	129	144	179	244	307	340	362	408	606	631	677	727						
	P_{G4}	88.1	101	149	170	206	275	347	386	417	481	697	745	800	856						
50	P_{G1}	50.8	57.4	73.9	84.8	102	110	156	189	212	238	312	340	369	407	493	536				
	P_{G2}	60.8	70.7	100	115	135	147	206	245	281	322	413	480	490	570						
	P_{G3}	78.6	84.4	122	136	180	228	304	322	359	387	607	615	666	716						
	P_{G4}	86.1	94.4	141	159	205	256	342	364	411	450	682	720	757	838						
56	P_{G1}	48.4	55.3	71.0	82.1	97.4	106	146	182	204	227	305	339	350	398	470	507				
	P_{G2}	57.6	67.9	94.9	110	127	143	189	240	262	297	386	454	460	520						
	P_{G3}	74.4	80.4	117	130	170	217	280	319	342	367	566	616	616	697						
	P_{G4}	81.3	89.8	135	151	192	245	313	362	386	420	627	702	699	789						
63	P_{G1}	45.8	53.6	66.4	78.4	92.8	105	139	177	194	221	290	321	327	375	454	500				
	P_{G2}	54.0	65.0	88.2	105	120	139	173	230	249	278	365	394	417	460						
	P_{G3}	69.6	79.3	108	124	159	217	260	315	319	364	528	578	571	647						
	P_{G4}	75.8	87.9	124	144	179	242	286	355	360	407	584	633	638	710						
71	P_{G1}	46.1	51.1	64.9	75	91.1	101	138	168	190	212	282	301	321	352	436	469				
	P_{G2}	52.8	61.5	83.8	97.7	118	133	166	228	245	271	335	378	384	440						
	P_{G3}	70.8	74.9	106	118	157	204	258	288	309	346	513	537	562	601						
	P_{G4}	75.8	82.7	120	135	177	228	279	333	350	390	553	595	609	667						
80	P_{G1}	43.6	48.3	63.4	70.3	86.5	95.9	130	159	185	202	269	291	306	345	411	449				
	P_{G2}	51.5	57.6	82.6	93	112	121	165	201	237	260	325	358	365	423						
	P_{G3}	65.8	70.4	103	109	149	194	239	267	297	324	487	521	531	586						
	P_{G4}	71.4	77.4	117	126	168	213	265	299	336	368	529	571	575	645						
90	P_{G1}	43.2	48.8	60.1	66.7	81.4	94.2	127	154	175	199	255	279	286	329	389	422				
	P_{G2}	50.3	56.4	77.6	88.6	108	119	160	198	230	254	310	334	340	395						
	P_{G3}	64.6	71.4	95.7	107	138	192	230	262	275	313	450	492	495	556						
	P_{G4}	69.6	77.1	109	123	160	211	255	295	316	354	505	533	535	606						
100	P_{G1}	46.1	53.2	67.4	72.5	89.5	106	145	154	194	213	263	246	307	331	400					
	P_{G2}	54.6	87.5			112		182		243		315		369							
	P_{G3}	66.5	104			178		245		302		458		517							
	P_{G4}	72.8	119			195		273		339		498		563							
112	P_{G1}	45.9	52.6	63.7	71.3	84.4	106	140	152	183	206	220	239	263	321	335					
	P_{G2}	54.0	82			105		174		235											
	P_{G3}	65.5	96.8			168		236		279											
	P_{G4}	71.6	111			183		261		318											
125	P_{G1}			51.5	57.5	70.2	75.3	103	117	148	161	200	216	232	255	314	331				
140	P_{G1}			49.8	56.6	68.9	74.3	101	118	144	159	194	207	225	247	293	312				
160	P_{G1}			48.5	55.4	66.1	73.3	97.9	115	138	155	187	201	216	239	282	302				
180	P_{G1}			46.9	53.6	64.1	71.6	95.1	113	133	151	185	194	214	230	267	285				
200	P_{G1}			46.1	52.1	62.7	69	91.9	109	131	145	182	192	212	229	259	275				
224	P_{G1}			43.7	50.6	60.1	66.7	88.3	106	127	140	173	189	200	225	252	267				
250	P_{G1}			41.9	49.7	57.6	65.3	83.5	102	121	138	164	178	191	213	242	260				
280	P_{G1}			40.3	47.2	56.7	62.7	80.7	98.1	117	133	161	170	186	202	233	248				
315	P_{G1}			39.3	45.1	53.8	60.1	79.1	92.8	112	128	153	166	177	198	228	242				
355	P_{G1}			37.3	43.5	53.2	59.2	75.2	89.9	107	123	148	159	173	189	216	236				
400	P_{G1}				42.4		56.2		88.3		118		154		183		223				
450	P_{G1}				40.1		55.4		83.7		113										

直交轴齿轮箱 额定功率

Bevel-helical gear units Nominal Power Ratings

类型 JRHB2..,JRHB3.. 规格 5-20

Type JRHB2..,JRHB3.. Sizes 5-20

i_N	n_1 r/min		额定功率 Nominal Power Ratings																		
			齿轮箱规格 Gear unit Sizes								额定功率 $P_{N,kW}$ Nominal Power Ratings $P_{N,kW}$										
	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20					
5	1500	300	295		559		880		1351		2073										
	1000	200	197		373		586		901		1382		2555								
	750	150	148		280		440		675		1037		1916								
5.6	1500	268	264		500		786		1263		1880										
	1000	179	176		334		525		843		1256		2287								
	750	134	132		250		393		631		940		1712	1894	2736						
6.3	1500	238	234	299	444	556	698	887	1171	1371	1769	2044									
	1000	159	157	200	296	371	466	593	783	916	1182	1365	2164	2348							
	750	119	117	150	222	278	349	444	586	685	885	1022	1620	1757	2430						
7.1	1500	211	208	265	393	493	619	787	1083	1259	1613	1856									
	1000	141	139	177	263	329	413	526	723	842	1078	1240	1949	2141	2879						
	750	106	104	133	198	248	311	395	544	633	810	932	1465	1609	2164	2553					
8	1500	188	185	236	350	439	551	701	994	1161	1516	1732	2598								
	1000	125	123	157	233	292	366	466	661	772	1008	1152	1728	1937	2552						
	750	94	93	118	175	219	276	350	497	581	758	866	1299	1457	1919	2264					
9	1500	167	164	210	311	390	490	623	883	1067	1364	1591	2309	2588							
	1000	111	109	139	207	259	325	414	587	709	907	1058	1534	1720	2266	2673					
	750	83	82	104	155	194	243	309	439	530	678	791	1147	1286	1695	1999					
10	1500	150	148	188	280	350	440	559	793	974	1225	1492	2073	2325							
	1000	100	98	126	186	234	293	373	529	649	817	995	1382	1550	2042	2408					
	750	75	74	94	140	175	220	280	397	487	613	746	1037	1162	1531	1806					
11.2	1500	134	132	168	250	313	393	500	709	870	1094	1368	1852	2077							
	1000	89	88	112	166	208	261	332	471	578	727	909	1230	1379	1817	2143					
	750	67	66	84	125	156	196	250	354	435	547	684	926	1038	1368	1614					
12.5	1500	120	118	151	214	280	352	447	635	779	980	1225	1659	1860	2450						
	1000	80	79	101	142	187	235	298	423	519	653	817	1106	1240	1634	1927	2094				
	750	60	59	75	107	140	176	224	317	390	490	613	829	930	1225	1445	1571				
14	1500	107	110	134	204	250	331	399	594	695	896	1092	1535	1658	2185	2577					
	1000	71	73	89	135	166	219	265	394	461	595	725	1019	1100	1450	1710	1948	2193			
	750	54	55	68	103	126	167	201	300	351	452	551	775	837	1103	1301	1481	1668			
16	1500	94	100	118	188	212	305	350	551	610	817	960	1398	1516	1969	2264					
	1000	63	67	79	126	142	205	235	369	409	548	643	937	1016	1319	1517	1814	2032			
	750	47	50	59	94	106	153	175	275	305	408	480	699	758	984	1132	1353	1516			
18	1500	83	92	110	172	201	282	326	504	565	739	869	1286	1391	1738	2086					
	1000	56	62	74	116	135	191	220	340	381	498	586	868	938	1173	1407	1689	1876			
	750	42	47	55	87	102	142	185	255	286	374	440	651	704	880	1055	1267	1407			
20	1500	75	86	104	161	188	267	309	471	534	691	809	1202	1312	1571	1885					
	1000	50	58	69	107	125	178	206	314	356	461	539	801	874	1047	1257	1571	1738			
	750	38	44	53	82	95	135	156	239	271	350	410	609	665	796	955	1194	1321			
22.4	1500	67	77	97	144	174	239	288	421	505	617	744	1073	1214	1403	1684	2105	2420			
	1000	45	52	65	97	117	160	193	283	339	415	499	721	815	942	1131	1414	1626			
	750	33	38	48	71	86	117	142	207	249	304	366	529	598	691	829	1037	1192			
25	1500	60	69	91	129	160	214	270	377	471	553	685	961	1087	1257	1508	1885	2168			
	1000	40	46	61	86	107	142	180	251	314	369	457	641	725	838	1005	1257	1445			
	750	30	35	46	64	80	107	135	188	236	276	342	481	543	628	754	942	1084			
28	1500	54	62	82	116	144	192	243	339	424	498	616	865	978	1131	1357	1696	1950			
	1000	36	41	55	77	96	128	162	226	283	332	411	577	652	754	905	1131	1301			
	750	27	31	41	58	72	96	122	170	212	249	308	433	489	565	679	848	975			

卧式安装齿轮箱要求采用强制润滑

Forced lubrication required on horizontal gear units

直交轴齿轮箱 热容量

类型 JRHB2..,JRHB3.. 规格 5-20

Bevel-helical gear units Thermal Capacities

Type JRHB2..,JRHB3.. Sizes 5-20

			热容量 Thermal Capacities															
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
热容量 P_G (单位为kW)取决于冷却方式: P_{G1} : 无辅助冷却装置; P_{G2} : 带冷却风扇; P_{G3} : 带冷却盘管; P_{G4} : 带风扇和冷却盘管 Thermal capacity P_G (in KW) dependent on kind of cooling: P_{G1} : without auxiliary cooling, P_{G2} : fan cooling, P_{G3} : cooling coil, P_{G4} : fan and cooling coil.																		
5	P_{G1}	101		144		177		266		342		491						
	P_{G2}	152		207		224		454		626		787						
	P_{G3}	271		398		470		765		1333		1463						
5.6	P_{G4}	102		138		171		262		357		504		530		542		
	P_{G2}	143		200		214		464		625		777		815		826		
	P_{G3}	248		365		455		785		1287		1568		1515		2078		
6.3	P_{G4}	94.8	106	132	152	167	184	259	322	337	391	497	542	561				
	P_{G2}	133	164	187	200	221	239	424	513	567	639	779	806	827				
	P_{G3}	226	333	333	418	472	583	698	974	1132	1343	1463	1463	1915				
7.1	P_{G4}	86.6	101	125	147	160	179	270	333	362	408	507	557	573	596			
	P_{G2}	124	154	177	191	214	225	418	501	571	634	748	796	818	836			
	P_{G3}	207	307	302	361	400	533	675	960	1106	1305	1452	1442	1795	2053			
8	P_{G4}	85.5	94.8	120	143	156	171	262	315	338	402	474	539	551	587			
	P_{G2}	115	143	167	188	208	234	382	489	536	604	709	787	798	819			
	P_{G3}	188	279	282	353	391	485	599	920	975	1210	1292	1497	1591	1893			
9	P_{G4}	79	88.9	115	137	143	160	269	341	355	404	503	532	561	607			
	P_{G2}	111	133	159	185	200	211	368	481	494	595	644	698	734	778			
	P_{G3}	181	257	265	359	390	450	566	885	929	1198	1228	1346	1596	1786			
10	P_{G4}	80.5	82	107	126	133	151	245	311	348	401	475	531	563	589			
	P_{G2}	94.5	124	147	180	193	207	344	436	467	544	599	667	684	744			
	P_{G3}	164	233	239	338	361	418	523	840	859	1074	1146	1266	1568	1710			
11.2	P_{G4}	62.3	79	105	119	125	144	242	319	329	418	444	523	543	588			
	P_{G2}	90.7	119	131	171	185	204	293	381	399	499	509	594	622	673			
	P_{G3}	143	223	210	318	344	390	435	722	779	996	970	1133	1368	1596			
12.5	P_{G4}	81.0	76.5	104	120	157	143	218	305	335	402	413	495	458	551	552		
	P_{G2}	97.0	109	141	159	205	195	277	375	434	470	535	539	625	591	664		
	P_{G3}	173	202	256	288	405	361	524	713	754	832	1065	1017	1195	1245			
14	P_{G4}	78	72.6	109	111	152	131	211	287	322	359	401	429	445	460	556	605	
	P_{G2}	93.2	97	135	141	197	172	267	330	417	417	520	565	625	648	673	737	
	P_{G3}	166	177	245	254	386	307	500	627	721	730	1025	1065	1150	1305			
16	P_{G4}	75.2	86.8	105	122	146	158	204	239	310	365	389	417	433	447	560	611	
	P_{G2}	89.7	102	130	149	189	212	256	313	400	468	502	543	600	630	687	745	
	P_{G3}	158	173	234	264	369	420	480	645	689	728	980	1025	1130	1250			
18	P_{G4}	72.2	83.7	101	118	139	152	197	232	299	353	377	404	419	436	564	621	
	P_{G2}	86	98.2	125	143	181	204	246	301	383	449	482	523	581	605	701	754	
	P_{G3}	152	166	225	253	353	403	465	615	659	700	940	982	1085	1200			
20	P_{G4}	69.6	80.7	98.9	113	133	146	194	225	289	340	363	392	400	423	570	629	
	P_{G2}	82.9	94.4	120	138	174	195	241	288	372	429	475	502	548	585	715	761	
	P_{G3}	144	159	221	245	342	384	459	590	641	668	921	940	1075	1155			
22.4	P_{G4}	67.5	77.4	92.1	109	130	140	184	218	275	327	344	381	394	425	575	635	
	P_{G2}	79.5	90.8	112	132	165	187	227	276	353	409	460	490	537	585	730	781	
	P_{G3}	139	152	201	235	320	365	426	580	601	660	880	928	1041	1127			
25	P_{G4}	61.9	74.2	87.5	106	122	135	187	219	260	315	347	378	392	413	562	604	
	P_{G2}	72.6	87.4	106	129	155	178	213	269	328	389	430	474	520	571	715	763	
	P_{G3}	125	145	188	225	291	356	389	573	546	651	794	893	941	1084			
28	P_{G4}	61	71.4	82.7	99	115	129	179	221	249	301	330	363	380	388	540	569	
	P_{G2}	71.2	84	99.8	120	145	169	201	255	315	372	400	441	486	527	679	725	
	P_{G3}	123	140	176	206	272	330	361	526	506	603	779	801	913	979			



直交轴齿轮箱 额定功率

Bevel-helical gear units Nominal Power Ratings

类型 JRHB3..,JRHB4.. 规格 5-20

Type JRHB3..,JRHB4.. Sizes 5-20

i_N	n ₁ r/min	n ₂	额定功率 Nominal Power Ratings																																	
			齿轮箱规格 Gear unit Sizes										Nominal Power Ratings P _{N,kW}																							
			5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	额定功率 P _{N,kW}	Nominal Power Ratings P _{N,kW}	额定功率 P _{N,kW}	Nominal Power Ratings P _{N,kW}	额定功率 P _{N,kW}	Nominal Power Ratings P _{N,kW}												
31.5	1500	48	55	73	103	128	171	216	302	377	442	548	769	870	1005	1206	1508	1734	1000	32	49	69	85	114	144	201	251	295	365	513	580	670	804	1005	1156	
	1000	32	37	49	69	85	114	144	201	251	295	365	513	580	670	804	1005	1156																		
	750	24	28	36	52	64	85	108	151	188	221	274	385	435	503	603	754	867																		
35.5	1500	42	48	64	90	112	150	189	264	330	387	479	673	761	880	1055	1319	1517	1000	28	32	43	60	75	95	132	165	194	240	336	380	440	528	660	759	
	1000	28	32	43	60	75	100	126	176	220	258	320	449	507	586	704	880	1012																		
	750	21	24	32	45	56	75	95	132	165	194	240	298	350	434	609	688	796	955	1194	1373															
40	1500	38	44	58	82	101	135	171	239	298	350	434	609	761	880	1055	1319	1517	1000	25	29	38	54	67	85	113	157	196	230	285	401	453	524	628	785	903
	1000	25	29	38	54	67	89	113	157	196	230	285	401	453	524	628	785	903																		
	750	18.8	22	29	40	50	67	85	118	148	173	207	259	304	377	529	598	691	829	1037	1192															
45	1500	33	38	50	71	88	117	149	207	259	304	377	529	598	691	829	1037	1192	1000	22	25	33	47	59	78	99	138	173	203	251	352	399	461	553	691	795
	1000	22	25	33	47	59	78	99	138	173	203	251	304	377	529	598	691	829																		
	750	16.7	19	25	36	45	59	75	105	131	154	191	268	303	350	420	525	603																		
50	1500	30	35	46	64	80	107	135	188	236	276	342	481	543	628	754	942	1083	1000	20	23	30	43	53	68	94	118	138	171	240	272	314	377	471	542	
	1000	20	23	30	43	53	71	90	126	157	184	228	320	362	419	503	628	723																		
	750	15	17	23	32	40	53	68	94	118	138	171	240	272	314	377	471	542																		
56	1500	27	31	41	58	72	96	122	170	212	249	308	433	489	565	679	848	975	1000	17.9	21	27	38	48	64	81	112	141	165	204	287	324	375	450	562	647
	1000	17.9	21	27	38	48	64	81	112	141	165	204	287	324	375	450	562	647																		
	750	13.4	15	20	29	36	48	60	84	105	123	153	215	243	281	337	421	484																		
63	1500	24	28	36	50	64	85	108	151	188	221	274	385	435	503	603	754	867	1000	15.9	18	24	33	42	57	72	100	125	147	181	255	288	333	400	499	574
	1000	15.9	18	24	33	42	57	72	100	125	147	181	255	288	333	400	499	574																		
	750	11.9	14	18	25	32	42	54	75	93	110	136	191	216	249	299	374	430																		
71	1500	21	24	32	44	56	75	95	132	165	194	240	336	380	440	528	660	759	1000	14.1	16	21	30	50	63	89	111	130	161	226	255	295	354	443	509	
	1000	14.1	16	21	30	38	50	63	89	111	130	161	226	255	295	354	443	509																		
	750	10.6	12	16	22	28	38	48	67	83	98	121	170	192	222	266	333	383																		
80	1500	18.8	22	28	40	50	67	85	118	148	173	215	301	341	394	472	591	679	1000	12.5	14	18	27	33	45	56	79	98	115	143	200	226	262	314	393	452
	1000	12.5	14	18	27	33	45	56	79	98	115	143	200	226	262	314	393	452																		
	750	9.4	11	14	20	25	33	42	59	74	87	107	151	170	197	236	295	340																		
90	1500	16.7	19	24	36	44	59	75	105	131	154	191	268	303	350	420	525	603	1000	11.1	13	16	24	29	40	50	70	87	102	127	178	201	232	279	349	401
	1000	11.1	13	16	24	29	40	50	70	87	102	127	178	201	232	279	349	401																		
	750	8.3	9.6	12	18	22	30	37	52	65	76	95	133	150	174	209	261	300																		
100	1500	15	17.3	23	32	40	53	68	94	118	138	171	240	272	314	377	471	542	1000	10	12	15	21	27	36	45	59	75	92	114	160	181	209	251	314	361</td

直交轴齿轮箱 热容量

Bevel-helical gear units Thermal Capacities

类型 JRHB3..,JRHB4.. 规格 5~20

Type JRHB3..,JRHB4.. Sizes 5~20

iN		热容量 Thermal Capacities																		
		齿轮箱规格 Gear unit Sizes																		
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
热容量 P_G (单位为kW)取决于冷却方式: P_{G1} : 无辅助冷却装置; P_{G2} : 带冷却风扇; P_{G3} : 带冷却盘管; P_{G4} : 带风扇和冷却盘管 Thermal capacity P_G (in kW) dependent on kind of cooling: P_{G1} : without auxiliary cooling, P_{G2} : fan cooling, P_{G3} : cooling coil, P_{G4} : fan and cooling coil.																				
31.5	P_{G1}	57.6	65.8	79.5	94.7	109	121	170	208	236	286	319	340	353	373	509	548			
	P_{G2}	67.2	76.6	93.6	113	136	159	189	238	296	346	384	428	449	515	621	679			
	P_{G3}	115	126	164	192	249	303	337	460	481	551	683	770	819	957					
35.5	P_{G4}	55.5	65.1	75.2	89.6	106	114	149	189	226	255	293	311	315	325	475	500			
	P_{G1}	64.3	75.5	89	107	131	148	180	224	282	325	369	395	430	477	596	628			
	P_{G2}	109	125	155	180	242	281	316	445	462	514	648	689	781	873					
40	P_{G3}	116	133	167	195	263	303	351	485	505	582	728	778	891	982					
	P_{G4}	48.6	61.6	65.6	84.3	98.9	108	150	184	211	258	296	315	321	336	464	504			
	P_{G1}	56	71.5	77.6	100	121	139	168	211	263	307	347	379	406	457	558	603			
45	P_{G2}	92.5	116	132	168	222	258	290	419	426	477	603	658	735	822					
	P_{G3}	97.9	124	142	182	242	284	322	456	464	540	673	737	829	932					
	P_{G4}	47.4	59.2	63.3	80.3	90	103	144	177	192	249	271	307	311	325	445	478			
50	P_{G1}	54.6	68.5	75	95.1	110	134	153	201	235	294	314	355	370	430	528	563			
	P_{G2}	89.3	110	127	159	198	251	262	395	410	449	537	612	658	760					
	P_{G3}	94.7	117	137	173	216	272	289	430	461	511	598	681	746	865					
56	P_{G1}	47.2	52	62.9	70.5	88.1	98.3	143	168	198	234	274	282	300	306	433	439			
	P_{G2}	54.1	59.5	74.4	83.7	107	124	150	186	242	273	316	322	375	392	507	515			
	P_{G3}	86.9	93.8	124	137	192	233	255	361	371	412	540	575	663	692					
63	P_{G1}	42.7	50.4	57.5	68.3	79.4	89.9	132	164	180	211	249	275	288	311	395	424			
	P_{G2}	48.8	57.9	67.5	81	96.8	113	135	170	217	246	285	323	360	397	458	512			
	P_{G3}	77.4	90.6	111	131	170	206	225	325	330	367	480	550	596	702					
71	P_{G1}	40.8	49.6	55.2	67.1	75.9	86.3	124	160	171	203	239	261	272	295	386	410			
	P_{G2}	46.1	57.4	63.9	80	91.2	111	127	167	204	250	270	292	322	359	439	461			
	P_{G3}	72.3	88.2	104	128	158	200	210	314	308	377	450	485	568	616					
71	P_{G1}	37.6	45.8	51	65.3	69.3	79.4	112	148	154	200	226	249	261	288	365	396			
	P_{G2}	42.1	52	58.8	72.8	82.8	99.6	129	164	185	225	249	276	300	341	411	443			
	P_{G3}	65.9	78.7	94.4	115	140	176	186	279	276	335	415	457	516	587					
80	P_{G1}	69.9	83.7	102	123	152	191	205	303	311	382	465	513	591	665					
	P_{G2}	35.9	43.4	53.5	59.4	76.4	75.3	114	139	164	189	216	234	266	279	333	375			
	P_{G3}	49	68.9		94.3			168		212		255		316			414			
90	P_{G1}	73.8	108		165		258		312		426		547							
	P_{G2}	67	116		178		281		357		470		615							
	P_{G3}	71.5	105		158		248		317											
100	P_{G1}	33.9	38.1	48.5	57.5	68.9	79.5	103	134	149	173	204	223	238	270	299	326			
112	P_{G1}	33	38.1	48.4	56	68.1	77	98.5	126	143	165	195	211	228	254	283	306			
125	P_{G1}	31.3	36.1	46	52.3	65.3	71.5	93.6	120	135	156	186	203	218	241	270	291			
140	P_{G1}	29.5	35	43.9	52.1	62.9	71.1	90	115	131	149	180	194	209	230	261	278			
160	P_{G1}	26.6	33.1	38.8	49.6	56.3	68.1	81	109	123	141	170	186	198	223	248	269			
180	P_{G1}	26.3	31.5	38.1	47.3	54.9	65.5	78.9	105	114	138	158	176	183	209	228	255			
200	P_{G1}	26.1	28.4	38.8	41.8	54.6	58.6	78.3	94.6	113	130	156	164	181	194	231	245			
224	P_{G1}	23.5	28	35.3	41	50.1	57.3	72.3	91.9	103	120	144	163	166	193	214	239			
250	P_{G1}	23.1	27.8	33.8	41.9	47.8	56.9	69.1	91.3	98.5	119	138	149	159	176	204	220			
280	P_{G1}	21.4	25	30.4	38.1	44.4	52.4	64.5	84	90.5	109	126	143	146	168	189	210			
315	P_{G1}	19.5	24.5	28.5	36.3	41.3	49.8	59.1	80.3	85.9	104	118	130	136	154	178	195			
355	P_{G1}		22.8		32.9		46.5		74.8		95.5		122		144		184			
400	P_{G1}		21		31.1		43.1		68.8		90.5									

平行轴齿轮箱 额定输出扭矩
类型 JRHH1..,JRHH2..,JRHH3..,JRHH4..
规格 5-20

Helical gear units Nominal Output Torques
Type JRHH1..,JRHH2..,JRHH3..,JRHH4..
Sizes 5-20

i_N	传动比 i_N, 额定输出扭矩 T_2N										Nominal ratio i_N, Nominal Output Torques T_2N										
	齿轮箱规格 Gear unit Sizes										额定输出扭矩 T_2N (kNm) Nominal Output Torques T_2N (kNm)										
	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20					
1.25	7.1		13.6		21.9																
1.4	7.3		14.2		22.7																
1.6	7.7		14.5		24.1		40.8		64.3												
1.8	7.9		15.5		24.9		42.2		67.6												
2	8.4		15.8		25.5		43.6		69.6		123										
2.24	8.6		15.8		25.5		44.9		71.7		124										
2.5	8.6		15.8		25.5		44.9		73.4		112										
2.8	8.6		15.2		24.2		44.9		73.4		115		174								
3.15	8.6		15.5		25		42.7		69.8		118		176								
3.55	8.5		15.8		25.4		44.6		71.0		120		176								
4	8.6		15.8		25.5		44.9		72.2		124		176		250						
4.5	6.8		14.1		21.8		40.8		58.8		104		149		220						
5	6.4		12.2		20.9		34.4		55.6		90.6		126		177						
5.6	6.1		11.6		17.9		32.4		52.8		86.2		120		153						
6.3	10.5		19		31.5		55.5		86		143		195		292						
7.1	10.5		19		31.5		55.5		86		143	160	195	230	292	335					
8	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	335					
9	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	335					
10	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	335					
11.2	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	335					
12.5	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	335					
14	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	335					
16	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	335					
18	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	335					
20	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	345					
22.4	10.2	13.5	18.6	24	31	39.5	54.5	69	88	107	153	160	200	230	300	345					
25	11	13.5	20.5	24	34	39.5	60	89	88	107	153	173	200	240	300	345					
28	11	13	20.5	23.5	34	38.9	60	67.8	88	109	153	173	200	240	300	345					
31.5	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
35.5	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
40	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
45	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
50	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
56	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
63	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
71	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
80	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
90	11	14.5	20	25.5	33.5	43	60	75	88	109	153	173	200	240	290	345					
100		14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	226	300	345					
112		14.1	20.5	25.2	34	42	60	75	88	109	153	173	200	240	300	345					
125			20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
140			20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
160			20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
180			20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
200			20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
224			20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
250			20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
280			20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
315			20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345					
355			19.6	25.5	33	43	59	75	88	109	153	173	192	240	290	345					
400				25.5		43		75		109	153	158		223		335					
450					24.8		41.6		74		109	153									

直交轴齿轮箱 额定输出扭矩

Bevel-helical gear units Nominal Output Torques

类型 JRHB2.., JRHB3.., JRHB4 规格 5-20

Type JRHH2.., JRHH3.. Sizes 5-20

i_N	传动比 <i>i_N</i> , 额定输出扭矩T _{2N} Nominal ratio i_N , Nominal Output Torques T _{2N}																		
	齿轮箱规格 Gear unit Sizes									额定输出扭矩T _{2N} (kNm) Nominal Output Torques T _{2N} (kNm)									
	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
5	9.4		17.8		28		43		66		122								
5.6	9.4		17.8		28		45		67		122	135	195						
6.3	9.4	12	17.8	22.3	28	35.6	47	55	71	82	130	141	195						
7.1	9.4	12	17.8	22.3	28	35.6	49	57	73	84	132	145	195	230					
8	9.4	12	17.8	22.3	28	35.6	50.5	59	77	88	132	148	195	230					
9	9.4	12	17.8	22.3	28	35.6	50.5	61	78	91	132	148	195	230					
10	9.4	12	17.8	22.3	28	35.6	50.5	62	78	95	132	148	195	230					
11.2	9.4	12	17.8	22.3	28	35.6	50.5	62	78	97.5	132	148	195	230					
12.5	9.4	12	17.0	22.3	28	35.6	50.5	62	78	97.5	132	148	195	230	250				
14	9.8	12	18.2	22.3	29.5	35.6	53	62	80	97.5	137	148	195	230	262	295			
16	10.2	12	19.1	21.5	31	35.6	56	62	83	97.5	142	154	200	230	275	308			
18	10.6	12.6	19.8	23.1	32.5	37.5	58	65	85	100	148	160	200	240	288	320			
20	11	13.2	20.5	23.9	34	39.3	60	68	88	103	153	167	200	240	300	332			
22.4	11	13.8	20.5	24.8	34	41	60	72	88	106	153	173	200	240	300	345			
25	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
28	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
31.5	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
35.5	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
40	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
45	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
50	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
56	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
63	11	14.5	20	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
71	11	14.5	20	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
80	11	14	20.5	25.2	34	43	60	75	88	109	153	173	200	240	300	345			
90	11	14	20.5	25.2	34	43	60	75	88	109	153	173	200	240	300	345			
100	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
112	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
125	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
140	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
160	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
180	11	14.5	20.5	25.2	34	43	60	75	88	109	153	173	200	240	300	345			
200	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
224	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
250	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
280	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
315	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345			
355		14.5		25.5	34	43	60	75		109		173		240		345			
400		14.5		25.5	34	43	60	75		109									

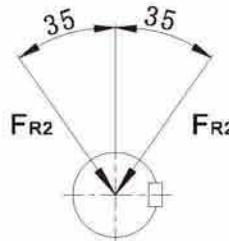
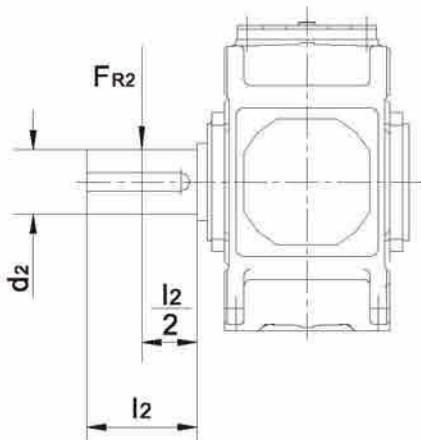
齿轮箱 输出轴 d_2 上允许的附加径向力1)
类型 JRHH1SH,JRHH2S., JRHH3S.,
JRHH4S.,JRHB2S.,JRHB3S.,JRHB4S.

Gear Units Permissible Additional Radial Forces on Output Shaft d_2 1)
Type JRHH1SH,JRHH2S., JRHH3S.,
JRHH4S.,JRHB2S.,JRHB3S.,JRHB4S.



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

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 end³⁾

类型 Type	布置形式 Design	齿轮箱规格 Gear unit sizes 1),4)												
		5	6	7	8	9	10	11	12	13	14	15	16	17
JRHH1SH	A/B	2)	-	2)	-	2)	-	2)	-	2)	-	2)		2)
JRHH2S.	A/B/G/H	22	22	30	30	30	45	64	64	150	150	140	205	205
	C/D	13	13	18	18	10	28	35	35	112	112	85	135	135
JRHH3S.	A/B/G/H	29	29	40	40	40	60	85	85	190	190	185	265	265
	C/D	18	18	26	26	18	40	50	50	150	150	120	185	185
JRHH4S.	A/B	-	-	26	26	18	40	50	50	150	150	120	185	185
	C/D	-	-	40	40	40	60	85	85	190	190	185	265	265
JRHB2S.	A/C	27	27	37	37	38	55	78	78	160	160	150	210	210
	B/D	15	15	17	17	10	30	35	38	110	110	75	145	100
JRHB3S.	A/C	29	29	40	40	40	60	85	85	190	190	185	265	265
	B/D	18	18	26	26	18	40	50	50	150	150	120	185	185
JRHB4S.	A/C	29	29	40	40	40	60	85	85	190	190	185	265	265
	B/D	18	18	26	26	18	40	50	50	150	150	120	185	185

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

2) 根据用户要求供货。

3) 当作用力不在轴端中部时，请参见第29页

4) 基础螺栓的最低性能等级为8.8级。基础必须干燥，不得有油脂。

敬请垂询：

输入轴 d_1 上允许的附加径向力

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

2)on request

3)For application of force outside the centre of the shaft end,see page 29.

4)Use foundation bolts of min.property class 8.8.Foundation must be dry and gerase-free.

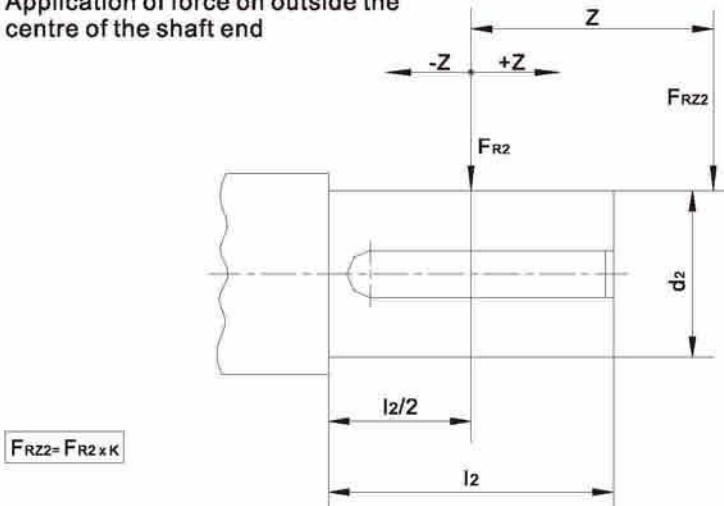
On request:

Permissible additional radial forces on input shaft d_1 .

齿轮箱 输出轴 d_2 上允许的附加径向力1)
类型 JRHH1SH, JRHH2S., JRHH3S.,
JRHH4S., JRHB2S., JRHB3S., JRHB4S.

Gear Units Permissible Additional Radial Forces on Output Shaft d_2 1)
Type JRHH1SH, JRHH2S., JRHH3S., JRHH4S.,
JRHB2S., JRHB3S., JRHB4S.

作用力不在轴伸中部
Application of force on outside the centre of the shaft end



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338页上的表确定
Permissible additional radial force acc.to table page 338.

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

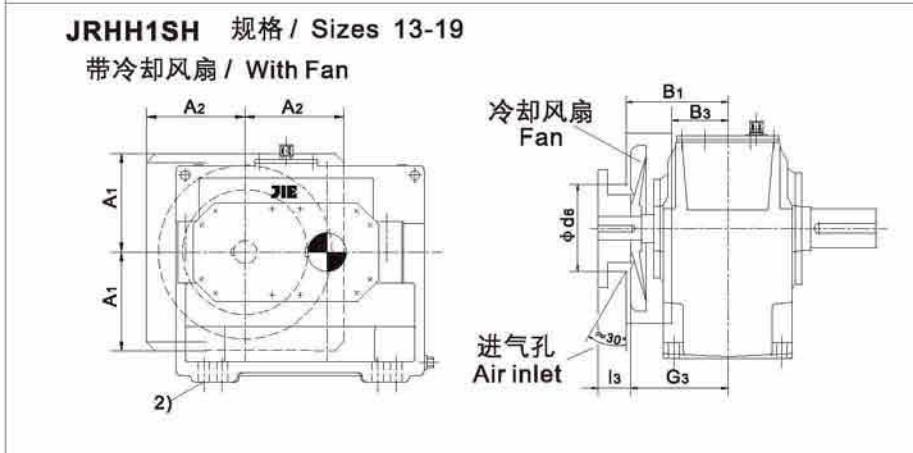
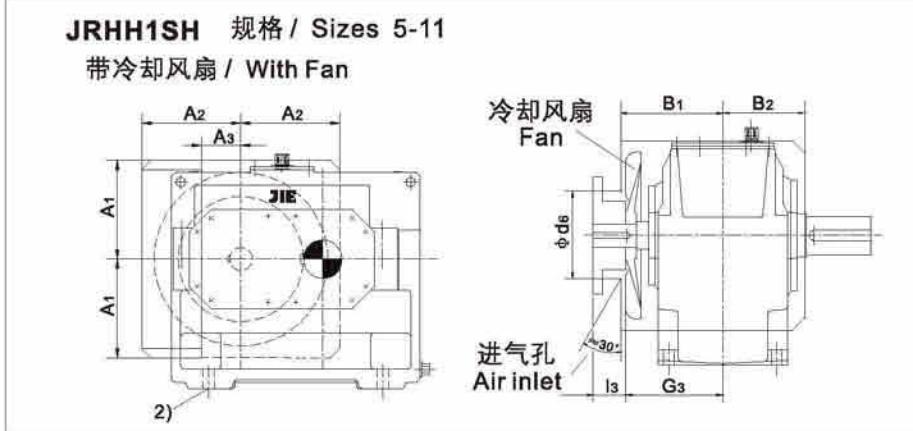
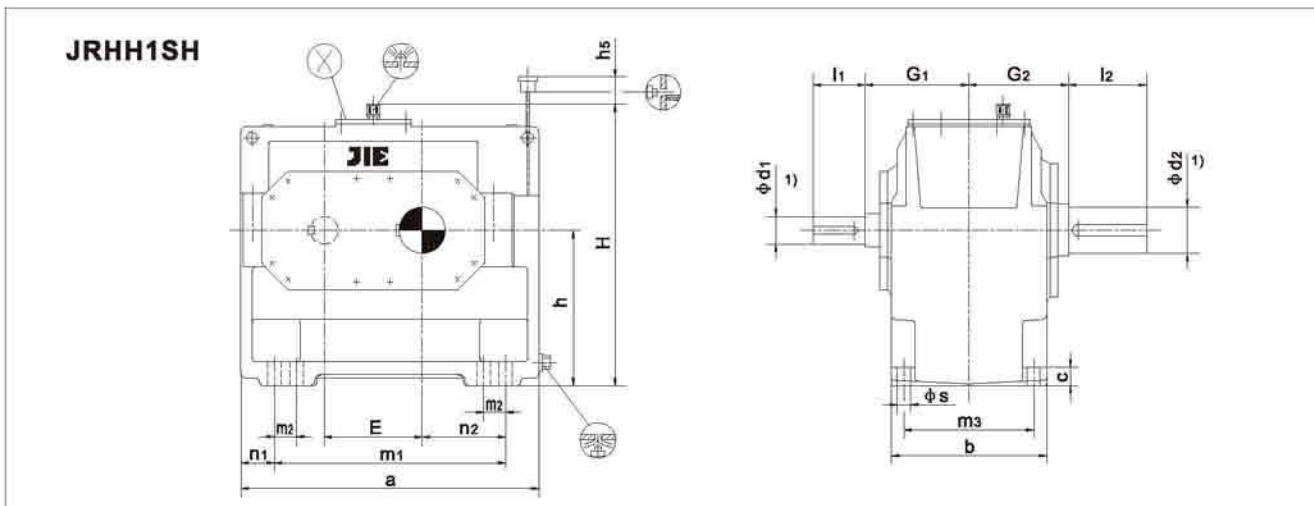
作用力系数k

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
5+6				1.22	1.14	1.06	1.00	0.88	0.79	0.72	0.66	0.56	0.49	0.43	
7+8				1.19	1.12	1.06	1.00	0.89	0.81	0.74	0.68	0.58	0.51	0.46	0.41
9+10			1.22	1.15	1.10	1.05	1.00	0.90	0.82	0.76	0.70	0.61	0.54	0.48	0.44
11+12			1.18	1.13	1.08	1.04	1.00	0.91	0.84	0.78	0.73	0.64	0.57	0.51	0.47
13+14		1.24	1.15	1.11	1.07	1.03	1.00	0.92	0.86	0.80	0.75	0.67	0.60	0.55	0.50
15+16		1.20	1.12	1.09	1.06	1.03	1.00	0.93	0.87	0.82	0.77	0.69	0.63	0.58	0.53
17+18	1.25	1.17	1.11	1.08	1.05	1.03	1.00	0.94	0.88	0.84	0.79	0.72	0.66	0.60	0.56

平行轴齿轮箱
单级传动 卧式安装
类型 JRHH1SH 规格 5-19

Helical gear units
Single Stage Horizontal
Type JRHH1SH Sizes 5-19



- 1) $m_6 \leq \phi 100; n_6 > \phi 100$
平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页
- 2) 油泵、油管和护盖所需的空间尺寸，欲了解
精确尺寸，请与我们联系。

- 1) $m_6 \leq \phi 100; n_6 > \phi 100$
Keyway、Hubkeyway、Parallel key, see pages 80-81
- 2) Space for pump, pipes and cover; for exact dimensions,
Please refer to us.

平行轴齿轮箱

单级传动 卧式安装

类型 JRHH1SH 规格 5-19

Helical gear units

Single Stage Horizontal

Type JRHH1SH Sizes 5-19

规格 Size	尺寸/Dimension mm																
	输入轴/Input																
	i _N =1.25-2.8			i _N =1.6-2.8			i _N =2-2.8			i _N =3.15-4			i _N =4.5-5.6			G ₁	G ₃
d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃			
5	85	160	130						60	135	105	50	110	80	210	240	
7	100	200	165						75	140	105	60	140	105	250	285	
9	110	200	165						90	165	130	75	140	105	280	315	
11				130	240	205			110	205	170	90	170	135	325	360	
13				150	245	200			130	245	200	100	210	165	365	410	
15							180	290	240	150	250	200	125	250	200	360	410
17							200	330	280	170	290	240	140	250	200	400	450
19							220	340	290	190	340	290	160	300	250	440	490

规格 Size	尺寸/Dimension mm																			
	齿轮箱/Gear units																			
	a	A ₁	A ₂	A ₃	b	B ₁	B ₂	B ₃	c	d ₆	E	h	h ₅	H	m ₁	m ₂	m ₃	n ₁	n ₂	s
5	580	225	215	115	285	255	185	-	35	190	185	290	100	525	440	-	240	70	160	24
7	690	255	250	120	375	300	230	-	45	245	225	350	75	625	540	-	315	75	195	28
9	805	300	265	140	425	330	265	-	50	280	265	420	50	735	625	-	350	90	225	35
11	960	360	330	190	515	375	320	-	60	350	320	500	40	875	770	-	440	95	280	35
13	1100	415	350	-	580	430	-	150	70	350	370	580	40	1020	870	-	490	115	315	42
15	1295	500	430	-	545	430	-	120	80	450	442	600	10	1115	1025	-	450	135	370	48
17	1410	550	430	-	615	470	-	150	80	445	490	670	-	1235	1170	130	530	120	425	42
19	1590	630	475	-	690	510	-	190	90	445	555	760	-	1395	1290	150	590	150	465	48

规格 Size	尺寸/Dimension mm						润滑油/Oil						重量/Weight (kg)											
	输出轴/Output						轴封 (L)			迷宫式密封 (L)														
	d ₂	G ₂	l ₂	Shaft seal (L)			Labyrinth seal (L)																	
5	85	210	160				22						19					308						
7	105	250	200				42						36					558						
9	125	270	210				68						60					879						
11	150	320	240				120						106					1545						
13	180	360	310				175						155					2443						
15	220	360	350				190						156					3264						
17	240	400	400				270						225					4335						
19	270	440	450				390						330					5916						

平行轴齿轮箱

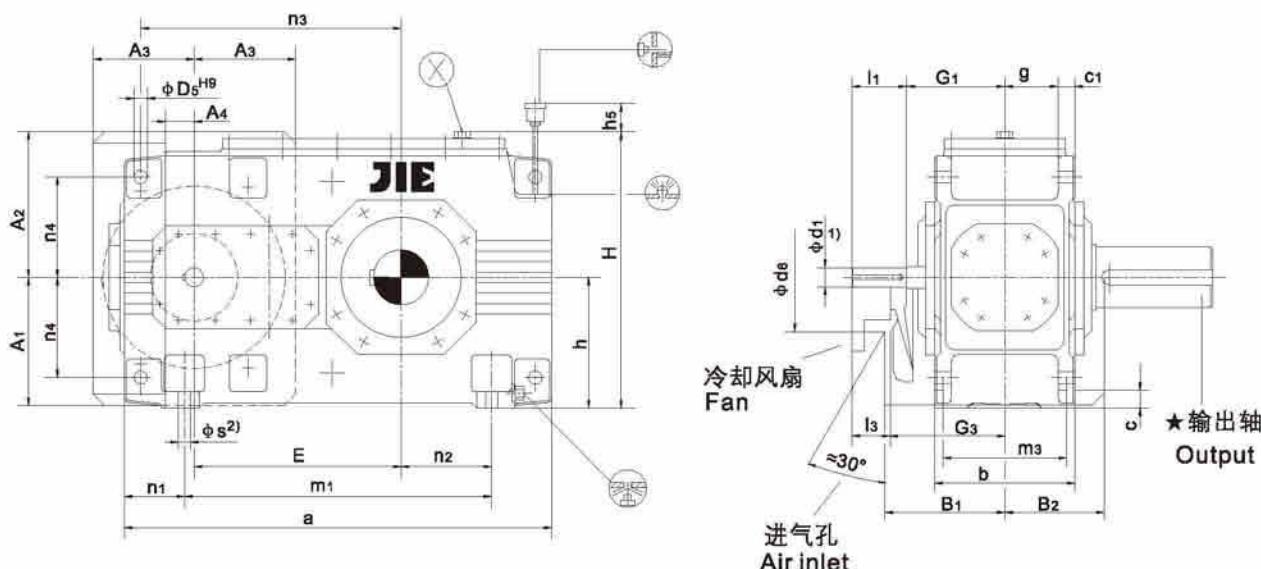
两级传动 卧式安装

类型 JRHH2.H 规格 5-12

Helical gear units

Two Stage Horizontal

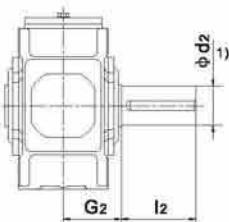
Type JRHH2.H Sizes 5-12

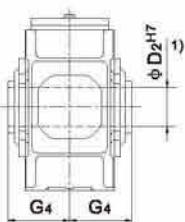

JRHH2SH JRHH2HH JRHH2DH


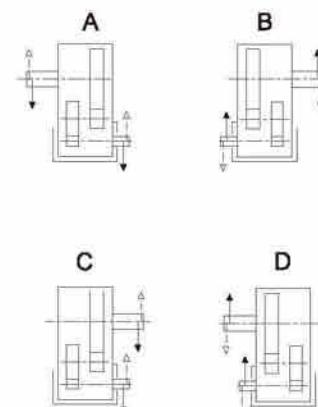
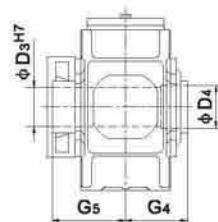
★输出轴 / Output

布置形式 / Design

JRHH2SH

 实心轴
Solid shaft

JRHH2HH

 空心轴
Hollow shaft

JRHH2DH

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

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

 平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第81-81页

2) 在安装地脚螺栓前应拆下风扇罩。

1)m6≤φ100;n6>φ100

Keyway、Hubkeyway、Parallel key, see pages 80-81.

2) Remove air guide cover before fitting foundation bolts.

平行轴齿轮箱



两级传动 卧式安装

类型 JRHH2H 规格 5-12

Helical gear units

Two Stage Horizontal

Type JRHH2H Sizes 5-12



规格 Size	尺寸/Dimension mm																
	输入轴/Input			i _N =6.3-11.2			i _N =8-14			i _N =12.5-22.4			i _N =16-28			G ₁	G ₃
	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	G ₁	G ₃			
5	50	100	80				38	80	60				195	215			
6				50	100	80				38	80	60	195	215			
7	60	135	105				50	110	80				210	240			
8				60	135	105				50	110	80	210	240			
9	75	140	110				60	140	110				240	270			
10				75	140	110				60	140	110	240	270			
11	90	165	130				70	140	105				275	310			
12				90	165	130				70	140	105	275	310			

规格 Size	尺寸/Dimension mm											
	齿轮箱/Gear Units											
a	A ₁	A ₂	A ₃	A ₄	b	B ₁	B ₂	c	c ₁	D ₅	d ₆	
5	640	225	260	175	55	255	230	177.5	28	30±1	24	150
6	720	225	260	175	55	255	230	177.5	28	30±1	24	150
7	785	272	305	210	70	300	255	210	35	36±1	28	200
8	890	272	305	210	70	300	255	210	35	36±1	28	200
9	925	312	355	240	100	370	285	245	40	45±1.5	36	200
10	1025	312	355	240	100	370	285	245	40	45±1.5	36	200
11	1105	372	420	285	135	430	325	285	50	54±1.5	40	210
12	1260	372	420	285	135	430	325	285	50	54±1.5	40	210

规格 Size	尺寸/Dimension mm											
	齿轮箱/Gear Units											
E	g	h	h ₅	H	m ₁	m ₃	n ₁	n ₂	n ₃	n ₄	s	
5	315	97.5	230	150	482	430	220	105	100	405	180	19
6	350	97.5	230	150	482	510	220	105	145	440	180	19
7	385	114	280	190	572	545	260	120	130	500	215	24
8	430	114	280	190	582	650	260	120	190	545	215	24
9	450	140	320	205	662	635	320	145	155	585	245	28
10	500	140	320	215	662	735	320	145	205	635	245	28
11	545	161	380	250	782	775	370	165	180	710	300	35
12	615	161	380	250	790	930	370	165	265	780	300	35

规格 Size	尺寸/Dimension mm									润滑油/Oil		重量 Weight (kg)	
	输出轴/Output									轴封 (L) Shaft seal (L)	迷宫式密封 (L) Labyrinth seal (L)		
	JRHH2SH			JRHH2HH			JRHH2DH						
d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅	15	11	306		
5	100	165	210	95	165	100	100	165	240	16	12	362	
6	110	165	210	105	165	110	110	165	240	27	21	515	
7	120	195	210	115	195	120	120	195	280	30	23	601	
8	130	195	250	125	195	130	130	195	285	42	33	846	
9	140	235	250	135	235	140	145	235	330	45	34	979	
10	160	235	300	150	235	150	155	235	350	71	58	1361	
11	170	270	300	165	270	165	170	270	400	76	60	1647	
12	180	270	300	180	270	180	185	270	405				



平行轴齿轮箱

两级传动 卧式安装

类型 JRHH2.H JRHH2.M 规格 13-20

Helical gear units

Two Stage Horizontal

Type JRHH2.H JRHH2.M Sizes 13-20

JRHH2SH JRHH2HH JRHH2DH			★输出轴 Output
<p>规格19以上有两个检查孔 From size 19 up 2covers</p>			<p>冷却风扇 Fan 进气孔 Air inlet</p>
JRHH2HM JRHH2DM			★输出轴 Output
<p>规格19以上有两个检查孔 From size 19 up 2covers</p>			<p>冷却风扇 Fan 进气孔 Air inlet</p>
★输出轴 / Output			布置形式 / Design
JRHH2SH 实心轴 Solid shaft	JRHH2HH ³⁾ ,JRHH2HM ³⁾ 空心轴 Hollow shaft	JRHH2DH ³⁾ ,JRHH2DM ³⁾ 带胀紧盘的空心轴 Hollow shaft for shrink disk	
1) $m_6 \leq \phi 100$; $n_6 > \phi 100$ 平键槽、轮毂键槽、平键和中心孔的具体尺寸, 见第80-81页		1) $m_6 \leq \phi 100$; $n_6 > \phi 100$ Keyway, Hubkeyway, Parallel key, see pages 80-81.	
2)在安装地脚螺栓前应拆下风扇罩。 3)规格13和15：仅用于 <i>iN=6.3-18</i> ; 规格17和19： 仅用于 <i>iN=6.3-16</i> 。		2) Remove air guide cover before fitting foundation bolts. 3) Sizes 13 and 15: only <i>iN=6.3-18</i> : Sizes 17 and 19: only <i>iN=6.3-16</i>	

平行轴齿轮箱

Helical gear units

两级传动 卧式安装

Two Stage Horizontal

类型 JRHH2H JRHH2M 规格 13-20

Type JRHH2H JRHH2M Sizes 13-20

规格 Size	尺寸/Dimension mm																G ₁	G ₃			
	i _N =6.3-11.2			i _N =7.1-12.5			i _N =8-14			i _N =12.5-20			i _N =14-22.4			i _N =16-25					
	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃			
13	100	205	170							85	170	135							330	365	
14							100	205	170								85	170	135	330	365
15	120	210	165							100	210	165								365	410
16				120	210	165							100	210	165					365	410
17	125	245	200							110	210	165								420	465
18				125	245	200							110	210	165					420	465
19	150	245	200							120	210	165								475	520
20				150	245	200							120	210	165					475	520

规格 Size	尺寸/Dimension mm														E		
	齿轮箱/Gear Units																
	a	A ₁	A ₂	A ₃	A ₄	b	B ₁	B ₂	c	C ₁	d ₆	D ₅	e ₂				
13	1290	430	460	330	365	550	385	135	60	61±2	250	48	405	635			
14	1430	430	460	330	365	550	385	135	60	61±2	250	48	475	705			
15	1550	490	500	370	440	625	430	155	70	72±2	280	55	485	762			
16	1640	490	500	370	440	625	430	155	70	72±2	280	55	530	808			
17	1740	540	565	435	505	690	485	140	80	81±2	280	55	525	860			
18	1860	540	565	435	505	690	485	140	80	81±2	280	55	585	920			
19	2010	600	600	500	450	790	540	190	90	91±2	310	65	590	997			
20	2130	600	600	500	450	790	540	190	90	91±2	310	65	650	1057			

规格 Size	尺寸/Dimension mm														s		
	齿轮箱/Gear Units																
	g	h	h ₁	h ₂	H	m ₁	m ₂	m ₃	n ₁	n ₂	n ₃	n ₄					
13	211.5	440	450	460	900	545	545	475	100	305	835	340	35				
14	211.5	440	450	460	900	545	685	475	100	375	905	340	35				
15	238	500	490	500	1000	655	655	535	120	365	1005	375	42				
16	238	500	490	500	1000	655	745	535	120	410	1050	375	42				
17	259	550	555	560	1110	735	735	600	135	390	1145	425	42				
18	259	550	555	560	1110	735	855	600	135	450	1205	425	42				
19	299	620	615	620	1240	850	850	690	155	435	1345	475	48				
20	299	620	615	620	1240	850	970	690	155	495	1405	475	48				

规格 Size	尺寸/Dimension mm									润滑油/Oil		重量/Weight (kg)		
	输出轴/Output									JRHH2.H	JRHH2.M			
	JRHH2SH			JRHH2HH JRHH2HM			JRHH2DH JRHH2DM			轴封 (L)	迷宫式密封 (L)			
	d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅	Shaft seal (L)	Labyrinth seal (L)			
13	200	335	350	190	335	190	195	335	480	135	120	110	2040	1917
14	210	335	350	210	335	210	215	335	480	140	130	115	2621	2478
15	230	380	410	230	380	230	235	380	550	210	190	160	3498	3304
16	240	380	410	240	380	240	245	380	550	215	200	165	3728	3534
17	250	415	410	250	415	250	260	415	600	290	260	230	4743	4508
18	270	415	470	275	415	280	285	415	600	300	270	240	5227	4967
19	290	465	470	-	-	285	295	465	670	320	-	300	5355	5100
20	300	465	500	-	-	310	315	465	670	340	-	320	6681	6273

平行轴齿轮箱

三级传动 卧式安装

类型 JRHH3.H 规格 5-12

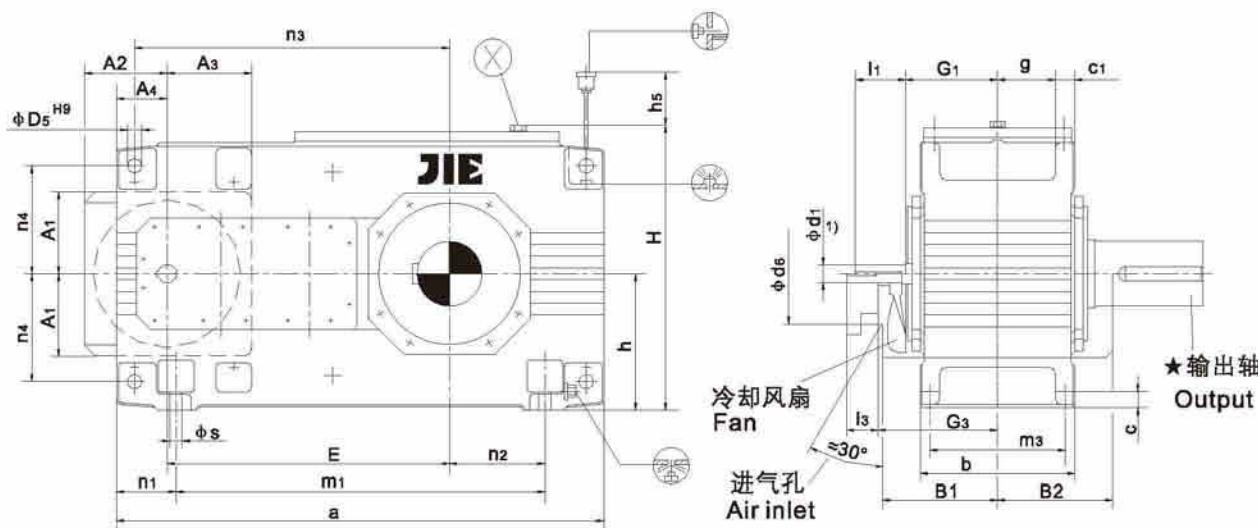
Helical gear units

Three Stage Horizontal

Type JRHH3.H Sizes 5-12



JRHH3SH JRHH3HH JRHH3DH

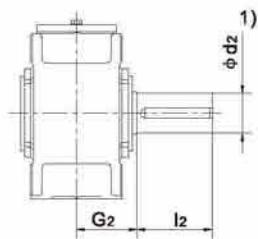


★输出轴 / Output

布置形式 / Design

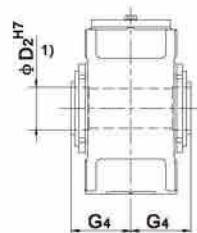
JRHH3SH

实心轴
Solid shaft



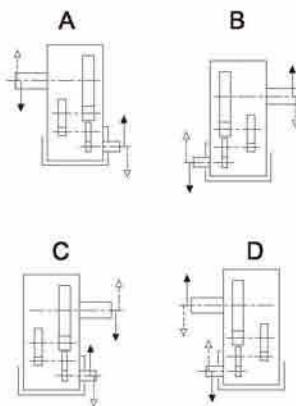
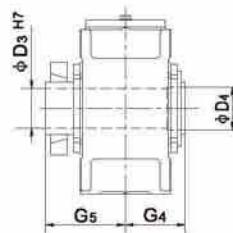
JRHH3HH

空心轴
Hollow shaft



JRHH3DH

带胀紧盘的空心轴
Hollow shaft for shrink disk



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

平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页

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

Keyway, Hubkeyway, Parallel key, see pages 80-81

平行轴齿轮箱

Helical gear units

三级传动 卧式安装

Three Stage Horizontal

类型 JRHH3.H 规格 5-12

Type JRHH3.H Sizes 5-12

规格 Size	尺寸/Dimension mm																		
	输入轴/Input						输出轴/Output												
	i _N =25-45			i _N =31.5-56			i _N =50-63			i _N =63-80			i _N =71-90			i _N =90-112			
	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	
5	40	70	70				30	50	50				24	40	40				160 220
6				40	70	70				30	50	50				24	40	40	160 220
7	45	80	80				35	60	60				28	50	50				185 250
8				45	80	80				35	60	60				28	50	50	185 250
9	60	125	105				45	100	80				32	80	60				230 300
10				60	125	105				45	100	80				32	80	60	230 300
11	70	120	120				50	80	80				42	70	70				255 330
12				70	120	120				50	80	80				42	70	70	255 330

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

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

规格 Size	尺寸/Dimension mm										润滑油/Oil (L)	重量 Weight (kg)		
	输出轴/Output													
	JRHH3SH			JRHH3HH			JRHH3DH							
	d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅					
5	100	165	210	95	165	100	100	165	240	15	326			
6	110	165	210	105	165	110	110	165	240	17	372			
7	120	195	210	115	195	120	120	195	280	28	550			
8	130	195	250	125	195	130	130	195	285	30	637			
9	140	235	250	135	235	140	145	235	330	45	892			
10	160	235	300	150	235	150	155	235	350	46	1040			
11	170	270	300	165	270	165	170	270	400	85	1428			
12	180	270	300	180	270	180	185	270	405	90	1708			



平行轴齿轮箱

三级传动 卧式安装

类型 JRHH3.H JRHH3.M 规格 13-20

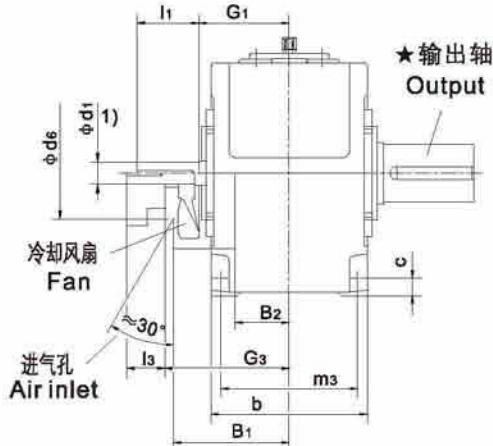
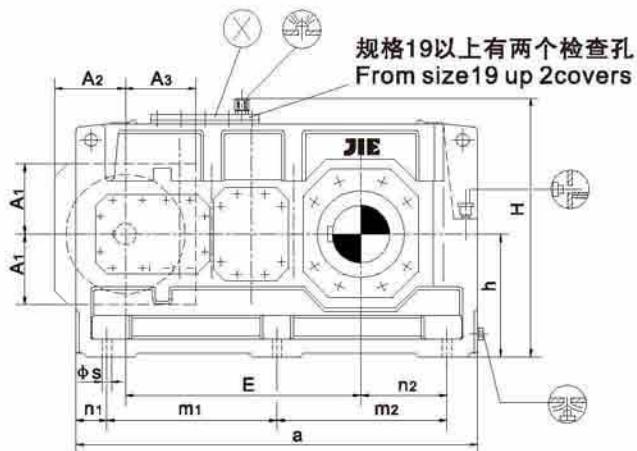
Helical gear units

Three Stage Horizontal

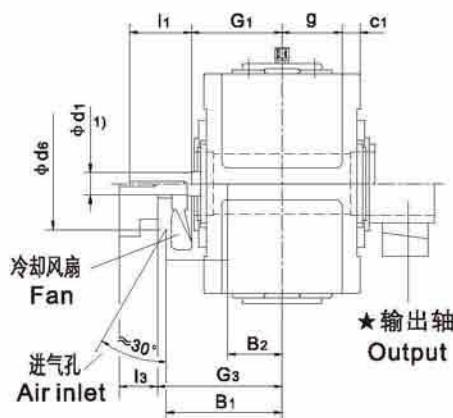
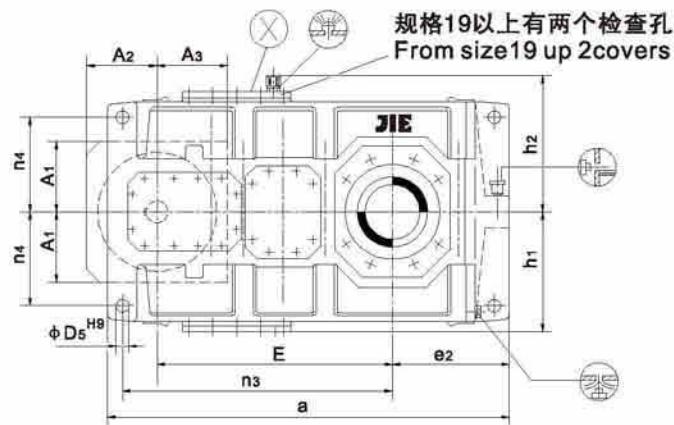
Type JRHH3.H JRHH3.M Sizes 13-20



JRHH3SH JRHH3HH JRHH3DH

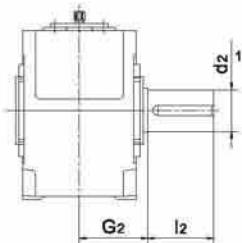
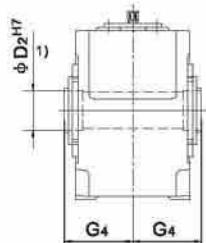
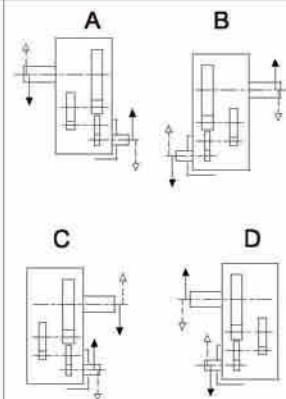
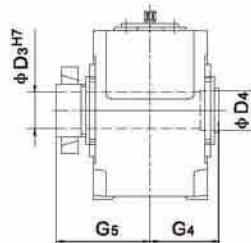


JRHH3HM JRHH3DM



★输出轴 / Output

布置形式 / Design

JRHH3SH
实心轴
Solid shaftJRHH3HH,JRHH3HM
空心轴
Hollow shaftJRHH3DH,JRHH3DM
带胀紧盘的空心轴
Hollow shaft for shrink disk

1) $m6 \leq \phi 100$; $n6 > \phi 100$
平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页

1) $m6 \leq \phi 100$; $n6 > \phi 100$
Keyway, Hubkeyway, Parallel key, see pages 80-81.

平行轴齿轮箱



三级传动 卧式安装

类型 JRHH3.H JRHH3.M 规格 13-20

Helical gear units

Three Stage Horizontal

Type JRHH3.H JRHH3.M Sizes 13-20



规格 Size	尺寸/Dimension mm																		G1	G3		
	输入轴/Input						i _N =25-50 i _N =28-56*)						i _N =50-63 i _N =63-80*)						G1	G3		
	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃				
13	85	160	130				60	135	105				50	110	80						310	385
14				85	160	130				60	135	105				50	110	80			310	385
15	100	200	165				75	140	105				60	140	105						350	420
16				100	200	165				75	140	105				60	140	105			350	420
17	100	200	165				75	140	105				60	140	105						380	450
18				100	200	165				75	140	105				60	140	105			380	450
19	110	200	4)				90	165	4)				75	140	4)						430	4)
20				110	200	4)				90	165	4)				75	140	4)			430	4)

规格 Size	尺寸/Dimension mm													E
	齿轮箱/Gear Units													
	a	A ₁	A ₂	A ₃	b	B ₁	B ₂	c	c ₁	d ₆	D ₅	e ₂	E	
13	1395	225	225	212	550	380	195	60	61±2	120	48	405	820	
14	1535	225	225	212	550	380	195	60	61±2	120	48	475	890	
15	1680	270	265	252	625	415	205	70	72±2	150	55	485	987	
16	1770	270	265	252	625	415	205	70	72±2	150	55	530	1033	
17	1770	270	265	252	690	445	235	80	81±2	150	55	525	1035	
18	1890	270	265	252	690	445	235	80	81±2	150	55	585	1095	
19	2030	4)	4)	4)	790	4)	4)	90	91±2	4)	65	590	1190	
20	2150	4)	4)	4)	790	4)	4)	90	91±2	4)	65	650	1250	

规格 Size	尺寸/Dimension mm													S
	齿轮箱/Gear Units													
	g	h	h ₁	h ₂	H	m ₁	m ₂	m ₃	n ₁	n ₂	n ₃	n ₄	s	
13	211.5	440	450	460	900	597.5	597.5	475	100	305	940	340	35	
14	211.5	440	450	460	900	597.5	737.5	475	100	375	1010	340	35	
15	238	500	490	500	1000	720	720	535	120	365	1135	375	42	
16	238	500	490	500	1000	720	810	535	120	410	1180	375	42	
17	259	550	555	560	1110	750	750	600	135	390	1175	425	42	
18	259	550	555	560	1110	750	870	600	135	450	1235	425	42	
19	299	620	615	620	1240	860	860	690	155	435	1365	475	48	
20	299	620	615	620	1240	860	980	690	155	495	1425	475	48	

规格 Size	尺寸/Dimension mm										重量/Weight		
	输出轴/Output												
	JRHH3SH			JRHH3HH JRHH3HM			JRHH3DH JRH3DM						
d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅	(L)	(L)	(kg)	(kg)	
13	200	335	350	190	335	190	195	335	480	160	125	2341	2198
14	210	335	350	210	335	210	215	335	480	165	130	2678	2540
15	230	380	410	230	380	230	235	380	550	235	190	3545	3325
16	240	380	410	240	380	240	245	380	550	245	195	3953	3698
17	250	415	410	250	415	250	260	415	600	305	240	4651	4335
18	270	415	470	275	415	280	285	415	600	315	250	5131	4835
19	290	465	470	-	-	285	295	465	670	420	390	5151	4845
20	300	465	500	-	-	310	315	465	670	450	415	6783	6375

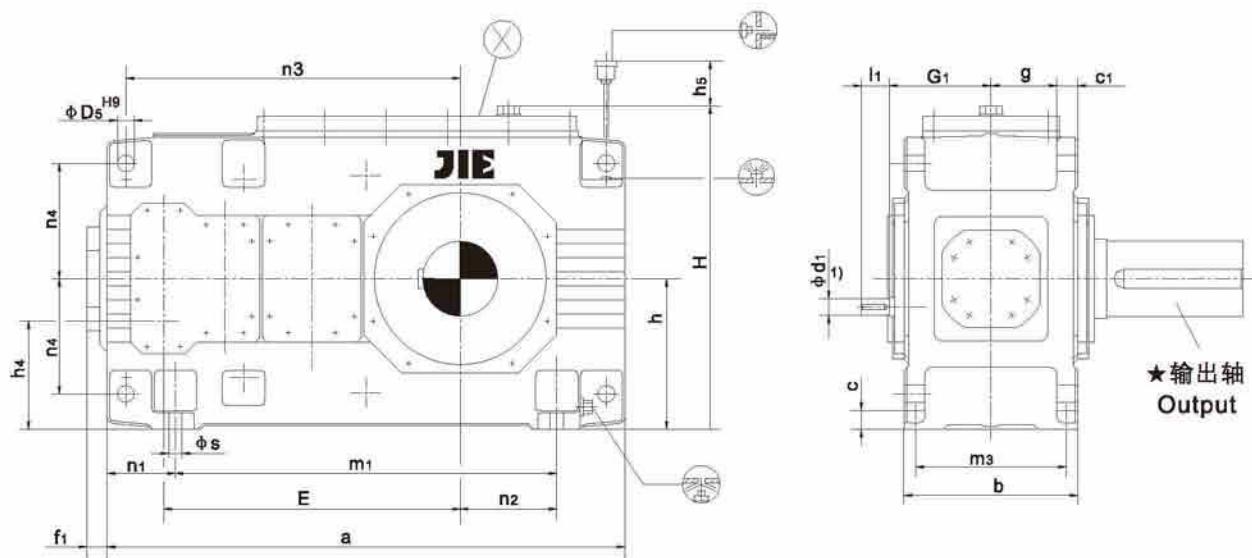
*仅指规格14号箱 / Only for NO.14 unit

4)根据用户要求供货 / On request

平行轴齿轮箱
四级传动 卧式安装
类型 JRHH4.H 规格 7-12

Helical gear units
Four Stage Horizontal
Type JRHH4.H Sizes 7-12

JRHH4SH JRHH4HH JRHH4DH



★输出轴 / Output			布置形式 / Design
JRHH4SH 实心轴 Solid shaft	JRHH4HH 空心轴 Hollow shaft	JRHH4DH 带胀紧盘的空心轴 Hollow shaft for shrink disk	

1) $m6 \leq \phi 100; n6 > \phi 100$
平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页

1) $m6 \leq \phi 100; n6 > \phi 100$
Keyway, Hubkeyway, Parallel key, see pages 80-81.

平行轴齿轮箱

Helical gear units

四级传动 卧式安装

Four Stage Horizontal

类型 JRHH4.H 规格 7-12

Type JRHH4.H Sizes 7-12

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

规格 Size	尺寸/Dimension mm																			
	齿轮箱/Gear Units																			
	a	b	c	c ₁	D ₅	E	f ₁	g	h	h ₄	h ₅	H	m ₁	m ₃	n ₁	n ₂	n ₃	n ₄	s	
7	845	300	35	36±1	28	495	37	114	280	200	140	572	605	260	120	130	560	215	24	
8	950	300	35	36±1	28	540	37	114	280	200	140	582	710	260	120	190	605	215	24	
9	1000	370	40	45±1.5	36	580	43	140	320	230	150	662	710	320	145	155	660	245	28	
10	1100	370	40	45±1.5	36	630	43	140	320	230	150	662	810	320	145	205	710	245	28	
11	1200	430	50	54±1.5	40	705	47	161	380	270	165	782	870	370	165	180	805	300	35	
12	1355	430	50	54±1.5	40	775	47	161	380	270	165	790	1025	370	165	265	875	300	35	

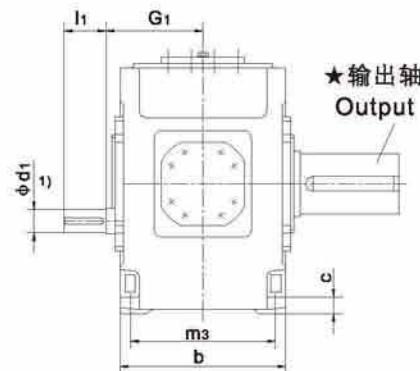
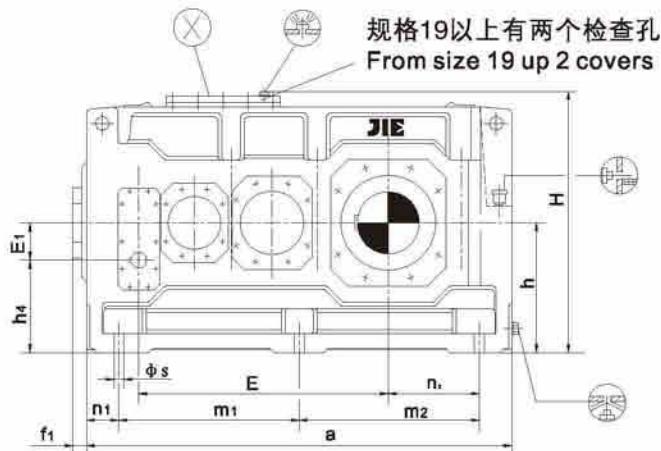
规格 Size	尺寸/Dimension mm										润滑油/Oil (L)	重量 Weight (kg)		
	输出轴/Output													
	JRHH4SH		JRHH4HH		JRHH4DH									
d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅						
7	120	195	210	115	195	120	120	195	280		25	561		
8	130	195	250	125	195	130	130	195	285		27	657		
9	140	235	250	135	235	140	145	235	330		48	892		
10	160	235	300	150	235	150	155	235	350		50	1030		
11	170	270	300	165	270	165	170	270	400		80	1489		
12	180	270	300	180	270	180	185	270	405		87	1759		

平行轴齿轮箱
四级传动 卧式安装
类型 JRHH4.H JRHH4.M 规格 13-20

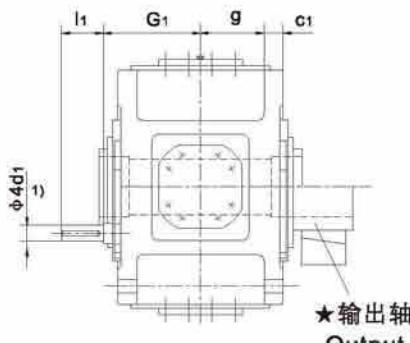
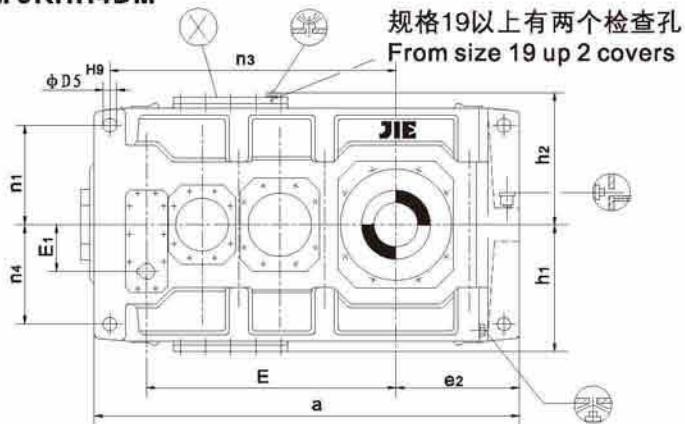
Helical gear units
Four Stage Horizontal
Type JRHH4.H JRHH4.M Sizes 13-20



JRHH4SH JRHH4HH JRHH4DH



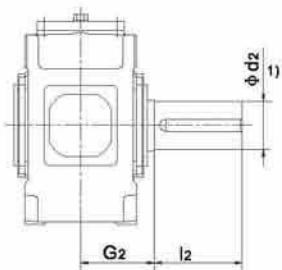
JRHH4HM JRHH4DM



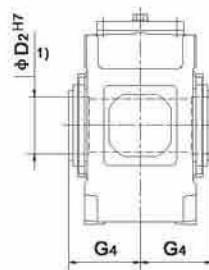
★输出轴 / Output

布置形式 / Design

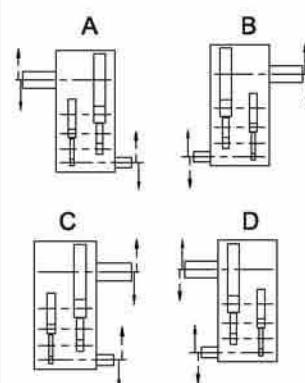
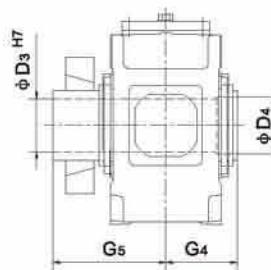
JRHH4SH
实心轴
Solid shaft



JRHH4HH, JRHH4HM
空心轴
Hollow shaft



JRHH4DH, JRHH4DM
带胀紧盘的空心轴
Hollow shaft for shrink disk



1) $m6 \leq \phi 100; n6 > \phi 100$
平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页

1) $m6 \leq \phi 100; n6 > \phi 100$
Keyway, Hubkeyway, Parallel key, see pages 80-81.

平行轴齿轮箱

四级传动 卧式安装

类型 JRHH4.H JRHH4.M 规格 13-20

Helical gear units

Four Stage Horizontal

Type JRHH4.H JRHH4.M Sizes 13-20

规格 Size	尺寸/Dimension mm											
	输入轴/Input											
	$i_N=100-180$		$i_N=112-200$		$i_N=125-224$		$i_N=200-355$		$i_N=224-400$		$i_N=250-450$	
d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	G ₁
13	50	100					38	80				305
14				50	100					38	80	305
15	60	135					50	110				345
16			60	135					50	110		345
17	60	105					50	80				380
18			60	105					50	80		380
19	75	105					60	105				440
20			75	105					60	105		440

规格 Size	尺寸/Dimension mm											
	齿轮箱/Gear Units											
	a	b	c	c ₁	D ₅	e ₂	E	E ₁	f ₁	g	h	
13	1395	550	60	61±2	48	405	820	130	47	211.5	440	
14	1535	550	60	61±2	48	475	890	130	47	211.5	440	
15	1680	625	70	72±2	55	485	987	160	56	238	500	
16	1770	625	70	72±2	55	530	1033	160	56	238	500	
17	1770	690	80	81±2	55	525	1035	160	53	259	550	
18	1890	690	80	81±2	55	585	1095	160	53	259	550	
19	2030	790	90	91±2	65	590	1190	185	53	299	620	
20	2150	790	90	91±2	65	650	1250	185	53	299	620	

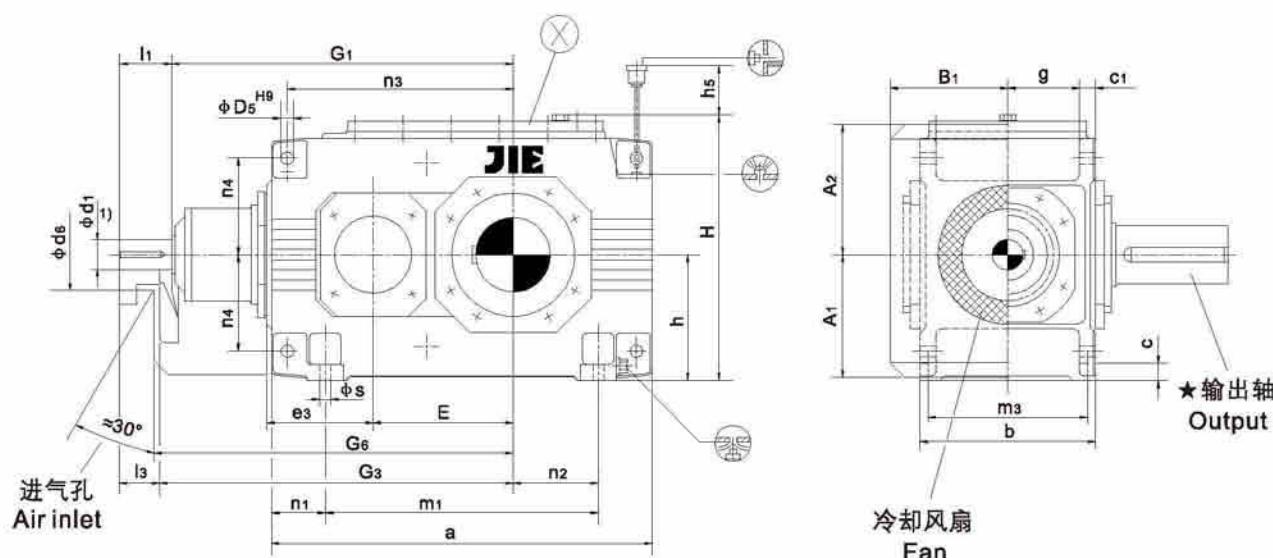
规格 Size	尺寸/Dimension mm											
	齿轮箱/Gear Units											
	h ₁	h ₂	h ₄	H	m ₁	m ₂	m ₃	n ₁	n ₂	n ₃	n ₄	s
13	450	460	310	900	597.5	597.5	475	100	305	940	340	35
14	450	460	310	900	597.5	737.5	475	100	375	1010	340	35
15	490	500	340	1000	720	720	535	120	365	1135	375	42
16	490	500	340	1000	720	810	535	120	410	1180	375	42
17	555	560	390	1110	750	750	600	135	390	1175	425	42
18	555	560	390	1110	750	870	600	135	450	1235	425	42
19	615	620	435	1240	860	860	690	155	435	1365	475	48
20	615	620	435	1240	860	980	690	155	495	1425	475	48

规格 Size	尺寸/Dimension mm									润滑油/Oil		重量/Weight	
	输出轴/Output			JRHH4SH JRHH4HH JRHH4HM						JRHH4.H	JRHH4.M	JRHH4.H	JRHH4.M
	d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅	(L)	(L)	(kg)	(kg)
13	200	335	350	190	335	190	195	335	480	130	120	2437	2315
14	210	335	350	210	335	210	215	335	480	140	125	2784	2652
15	230	380	410	230	380	230	235	380	550	230	170	3707	3508
16	240	380	410	240	380	240	245	380	550	235	175	4044	3814
17	250	415	410	250	415	250	260	415	600	290	225	4773	4533
18	270	415	470	275	415	280	285	415	600	305	230	5288	5013
19	290	465	470	-	-	285	295	465	670	360	310	5814	5406
20	300	465	500	-	-	310	315	465	670	380	330	6528	6069

直交轴齿轮箱

两级传动 卧式安装

类型 JRHB2.H 规格 5-12

Bevel-helical gear units
Two Stage Horizontal
Type JRHB2.H Sizes 5-12
JRHB2SH JRHB2HH JRHB2DH


★输出轴 / Output			布置形式 / Design
JRHB2SH 实心轴 Solid shaft	JRHB2HH 空心轴 Hollow shaft	JRHB2DH 带胀紧盘的空心轴 Hollow shaft for shrink disk	
1) $m6 \leq \phi 100; n6 > \phi 100$ 平键槽、轮毂键槽、平键和中心孔的具体尺寸，见第80-81页		1) $m6 \leq \phi 100; n6 > \phi 100$ Keyway, Hubkeyway, Parallel key, see pages 80-81.	

直交轴齿轮箱



两级传动 卧式安装



类型 JRHB2.H 规格 5-12

Bevel-helical gear Units

Two Stage Horizontal

Type JRHB2.H Sizes 5-12

规格 Size	尺寸/Dimension mm										
	输入轴/Input									G ₁	G ₃
	i _N =5-11.2			i _N =6.3-14			i _N =12.5-18				
d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃			
5	55	110	80							535	565
6				55	110	80				570	600
7	70	135	105							640	670
8				70	135	105				685	715
9	80	165	130							755	790
10				80	165	130				805	840
11	90	165	130							925	960
12				90	165	130				995	1030

规格 Size	尺寸/Dimension mm											
	齿轮箱/Gear Units											g
	a	A ₁	A ₂	b	B ₁	c	c ₁	D ₅	d ₆	e ₃	E	
5	565	220	235	320	215	28	30±1	24	160	185	185	130
6	645	220	235	320	215	28	30±1	24	160	185	220	130
7	690	270	285	380	250	35	36±1	28	210	225	225	154
8	795	270	285	380	250	35	36±1	28	210	225	270	154
9	820	310	325	440	270	40	48±1.5	36	195	265	265	172
10	920	310	325	440	270	40	48±1.5	36	195	265	315	172
11	975	370	385	530	328	50	54±1.5	40	210	320	320	211
12	1130	370	385	530	328	50	54±1.5	40	210	320	390	211

规格 Size	尺寸/Dimension mm											
	齿轮箱/Gear Units											s
	G ₆	h	h ₅	H	m ₁	m ₃	n ₁	n ₂	n ₃	n ₄		
5	575	230	150	482	355	285	105	100	330	180	19	
6	610	230	150	482	435	285	105	145	365	180	19	
7	685	280	180	582	450	340	120	130	405	215	24	
8	730	280	190	582	555	340	120	190	450	215	24	
9	805	320	205	662	530	390	145	155	480	245	28	
10	855	320	215	662	630	390	145	205	530	245	28	
11	980	380	240	790	645	470	165	180	580	300	35	
12	1050	380	250	790	800	470	165	265	650	300	35	

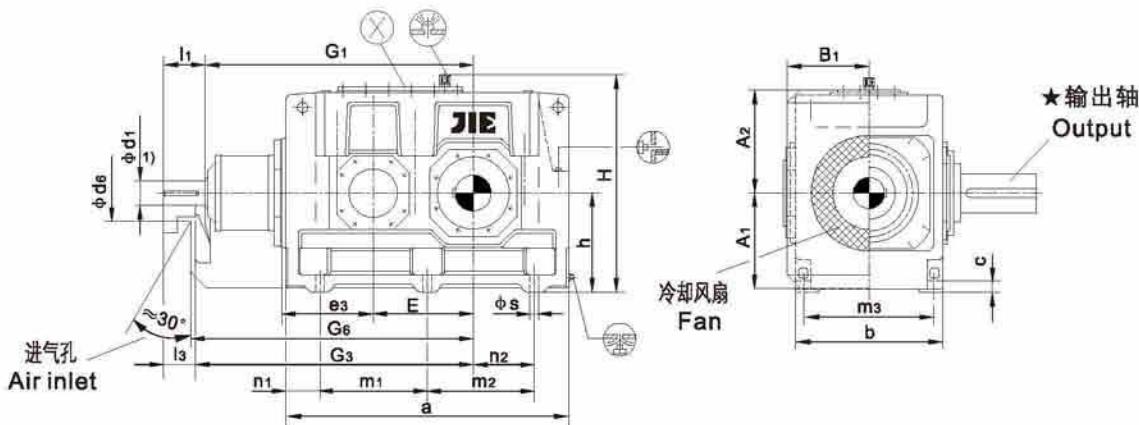
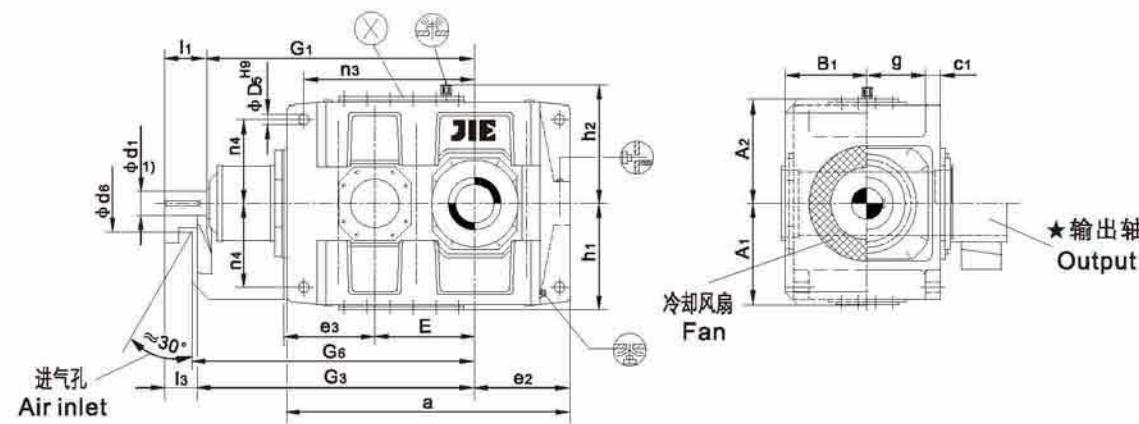
规格 Size	尺寸/Dimension mm									润滑油/Oil		重量 Weight (kg)	
	输出轴/Output									轴封 (L) Shaft seal (L)	迷宫式密封 (L) Labyrinth seal (L)		
	d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅				
5	100	200	210	95	200	100	100	200	275	16	14	367	
6	110	200	210	105	200	110	110	200	275	19	15	418	
7	120	235	210	115	235	120	120	235	320	31	28	627	
8	130	235	250	125	235	130	130	235	325	34	29	714	
9	140	270	250	135	270	140	145	270	365	48	38	1020	
10	160	270	300	150	270	150	155	270	385	50	40	1178	
11	170	320	300	165	320	165	170	320	450	80	65	1672	
12	180	320	300	180	320	180	185	320	455	95	71	1948	

直交轴齿轮箱

两级传动 卧式安装

类型 JRHB2.H JRHB2.M 规格 13-18

Bevel-helical gear units
Two Stage Horizontal
Type JRHB2.H JRHB2.M Sizes 13-18

JRHB2SH JRHB2HH JRHB2DH

JRHB2HM JRHB2DM


★输出轴 / Output			布置形式 / Design
JRHB2SH 实心轴 Solid shaft	JRHB2HH,JRHB2HM 空心轴 Hollow shaft	JRHB2DH,JRHB2DM 带胀紧盘的空心轴 Hollow shaft for shrink disk	A B
			C D

1) $m6 \leq \phi 100; n6 > \phi 100$
平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页

1) $m6 \leq \phi 100; n6 > \phi 100$
Keyway, Hubkeyway, Parallel key, see pages 80-81.

直交轴齿轮箱

Bevel-helical gear Units

两级传动 卧式安装

Two Stage Horizontal

类型 JRHB2.H JRHB2.M 规格 13-18

Type JRHB2.H JRHB2.M Sizes 13-18

规格 Size	尺寸/Dimension mm																
	输入轴/Input																
	iN=5-11.2			iN=5.6-11.2			iN=5.6-12.5			iN=6.3-14			iN=7.1-12.5			G1	G3
d1	l1	l3	d1	l1	l3	d1	l1	l3	d1	l1	l3	d1	l1	l3			
13	110	205	165													1070	1110
14										110	205	165				1140	1180
15	130	245	200													1277	1322
16							130	245	200							1323	1368
17				150	245	200										1435	1480
18													150	245	200	1495	1540

规格 Size	尺寸/Dimension mm												
	齿轮箱/Gear Units												
	a	A ₁	A ₂	b	B ₁	c	c ₁	d ₈	D ₅	e ₂	e ₃	E	g
13	1130	430	450	655	375	60	61±2	245	48	405	380	370	264
14	1270	430	450	655	375	60	61±2	245	48	475	380	440	264
15	1350	490	495	765	435	70	72±2	280	55	485	450	442	308
16	1440	490	495	765	435	70	72±2	280	55	530	450	488	308
17	1490	540	555	885	505	80	81±2	380	65	525	510	490	356
18	1610	540	555	885	505	80	81±2	380	65	585	510	550	356

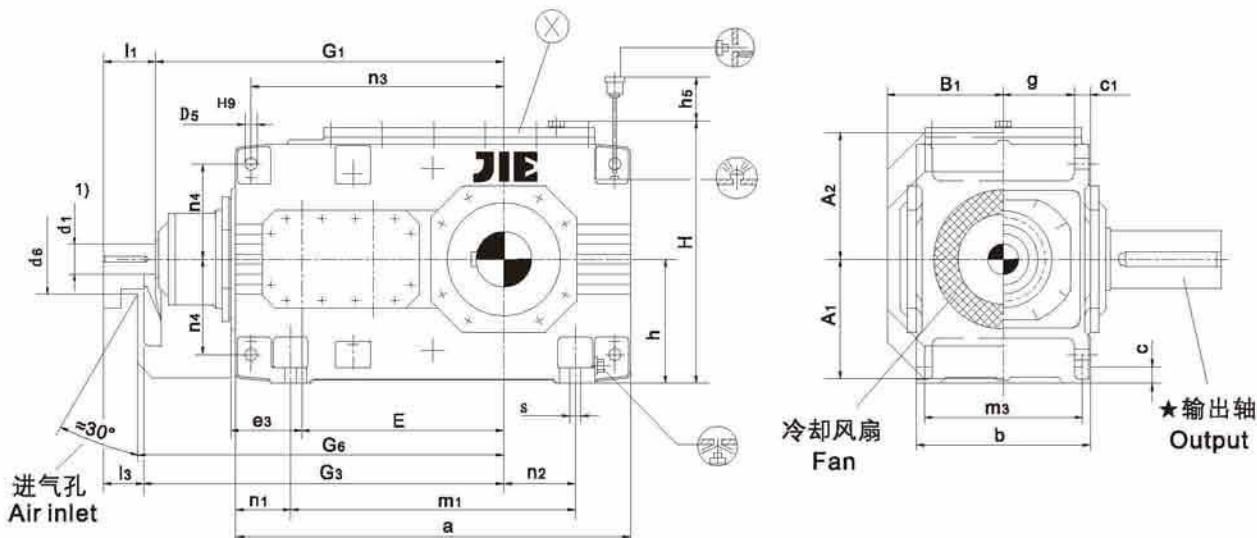
规格 Size	尺寸/Dimension mm												
	齿轮箱/Gear Units												
	G ₆	h	h ₁	h ₂	H	m ₁	m ₂	m ₃	n ₁	n ₂	n ₃	n ₄	s
13	1130	440	450	460	900	465	465	580	100	305	675	340	35
14	1200	440	450	460	900	465	605	580	100	375	745	340	35
15	1340	500	490	500	1000	555	555	670	120	365	805	375	42
16	1385	500	490	500	1000	555	645	670	120	410	850	375	42
17	1500	550	555	560	1110	610	610	780	135	390	895	420	48
18	1560	550	555	560	1110	610	730	780	135	450	955	420	48

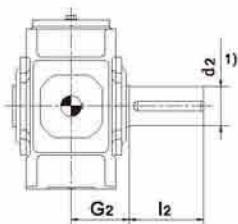
规格 Size	尺寸/Dimension mm									润滑油/Oil			重量/Weight (kg)		
	输出轴/Output									JRHB2.H		JRHB2.M			
	JRHB2SH			JRHB2HH JRHB2HM		JRHB2DH JRB2DM				轴封 (L)	迷宫式密封 (L)	(L)			
d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅		Shaft seal (L)	Labyrinth seal (L)	(kg)	JRHB2.H	JRHB2.M	
13	200	390	350	-	-	-	-	-	140		125	120	2499	2397	
14	210	390	350	210	390	210	215	390	535	155		140	130	2881	2779
15	230	460	410	-	-	-	-	-	220		195	180	4069	3870	
16	240	460	410	240	450	240	245	450	620	230		205	190	4431	4243
17	250	540	410	-	-	-	-	-	320		280	260	5732	5426	
18	270	540	470	275	510	280	285	510	700	335		300	275	6273	5977

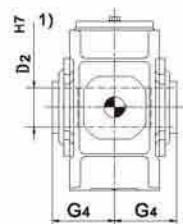
直交轴齿轮箱

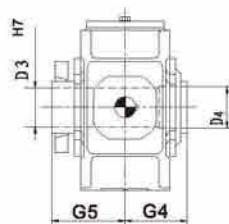
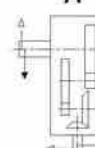
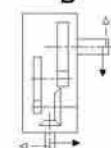
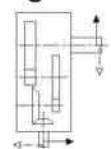
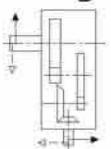
三级传动 卧式安装

类型 JRHB3.H 规格 5-12

Bevel-helical gear units
Three Stage Horizontal
Type JRHB3.H Sizes 5-12
JRHB3SH JRHB3HH JRHB3DH

★输出轴 / Output
布置形式 / Design
JRHB3SH

 实心轴
Solid shaft

JRHB3HH

 空心轴
Hollow shaft

JRHB3DH

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

A

B

C

D


1) $m6 \leq \phi 100; n6 > \phi 100$
平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页

1) $m6 \leq \phi 100; n6 > \phi 100$
Keyway, Hubkeyway, Parallel key, see pages 80-81.

直交轴齿轮箱



三级传动 卧式安装

类型 JRHB3.H 规格 5-12

Bevel-helical gear units

Three Stage Horizontal

Type JRHB3.H Sizes 5-12

规格 Size	尺寸/Dimension mm																
	输入轴/Input																
	i _N =12.5-45			i _N =16-56			i _N =25-40			i _N =50-71			i _N =63-90				
	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃							d ₁	l ₁	l ₃		
5	35	80	60							28	60	40			575	595	
6				35	80	60							28	60	40	610	630
7	45	100	80							35	80	60			690	710	
8				45	100	80							35	80	60	735	755
9	55	110	80							40	100	70			800	830	
10				55	110	80							40	100	70	850	880
11	70	135	105							50	110	80			960	990	
12				70	135	105							50	110	80	1030	1060

规格 Size	尺寸/Dimension mm											
	齿轮箱/Gear Units											
	a	A ₁	A ₂	b	B ₁	c	c ₁	d ₆	D ₅	e ₃	E	g
5	640	220	235	255	168	28	30±1	130	24	130	315	97.5
6	720	220	235	255	168	28	30±1	130	24	130	350	97.5
7	785	275	275	300	193	35	36±1	165	28	160	385	114
8	890	275	275	300	193	35	36±1	165	28	160	430	114
9	925	315	325	370	231	40	45±1.5	175	36	185	450	140
10	1025	315	325	370	231	40	45±1.5	175	36	185	500	140
11	1105	370	385	430	263	50	54±1.5	190	40	225	545	161
12	1260	370	385	430	263	50	54±1.5	190	40	225	615	161

规格 Size	尺寸/Dimension mm											
	齿轮箱/Gear Units											
	G ₆	h	h ₅	H	m ₁	m ₃	n ₁	n ₂	n ₃	n ₄	s	
5	605	230	130	482	430	220	105	100	405	180	19	
6	640	230	130	482	510	220	105	145	440	180	19	
7	720	280	170	572	545	260	120	130	500	215	24	
8	765	280	60	582	650	260	120	190	545	215	24	
9	845	320	175	662	635	320	145	155	585	245	28	
10	895	320	175	662	735	320	145	205	635	245	28	
11	1010	380	220	782	775	370	165	180	710	300	35	
12	1080	380	210	790	930	370	165	265	780	300	35	

规格 Size	尺寸/Dimension mm									润滑油/Oil (L)	重量 Weight (kg)		
	输出轴/Output												
	d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅				
5	100	165	210	95	165	100	100	165	240	14	331		
6	110	165	210	105	165	110	110	165	240	15	387		
7	120	195	210	115	195	120	120	195	280	25	561		
8	130	195	250	125	195	130	130	195	285	28	647		
9	140	235	250	135	235	140	145	235	330	40	907		
10	160	235	300	150	235	150	155	235	350	42	1040		
11	170	270	300	165	270	165	170	270	400	66	1484		
12	180	270	300	180	270	180	185	270	405	72	1764		



直交轴齿轮箱

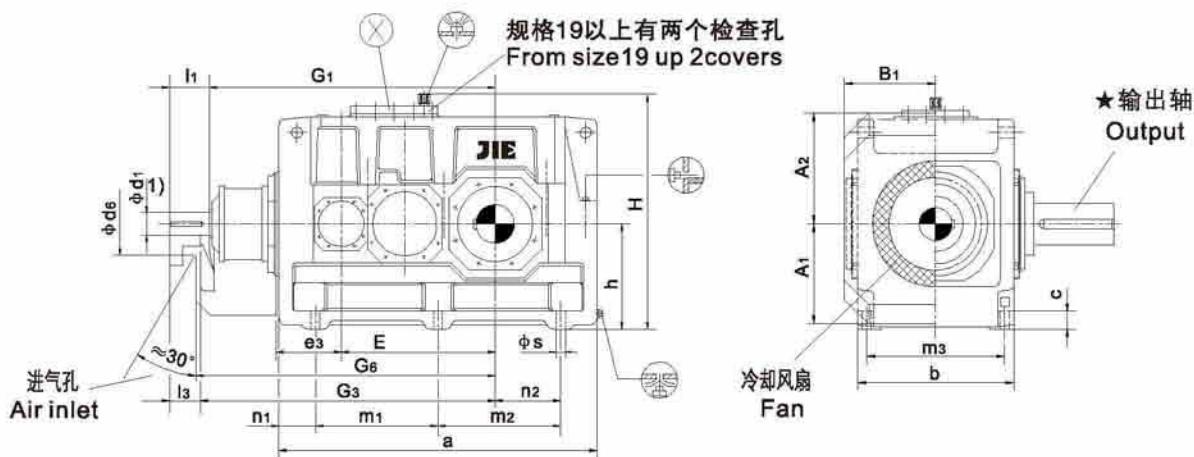
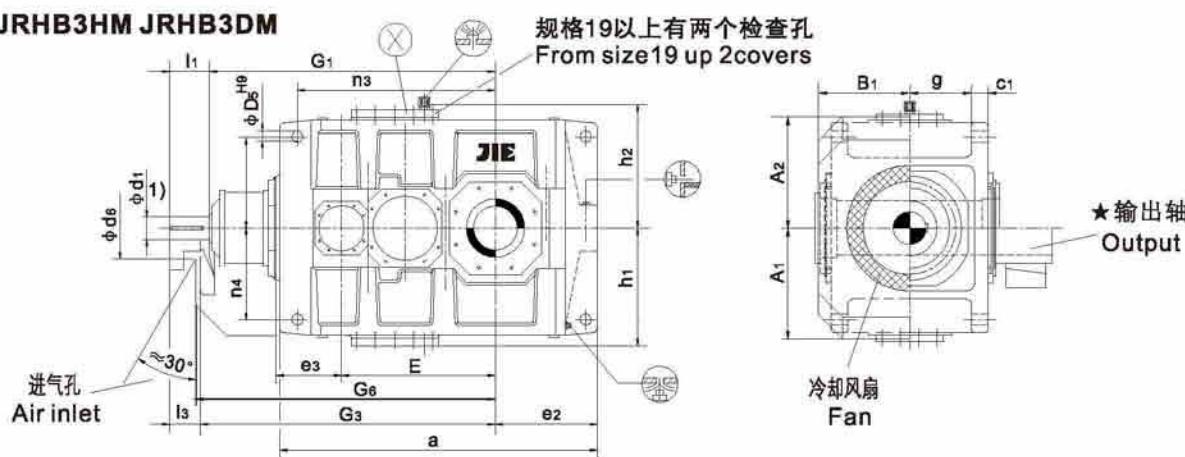
三级传动 卧式安装

类型 JRHB3.H JRHB3.M 规格 13-20

Bevel-helical gear units

Three Stage Horizontal

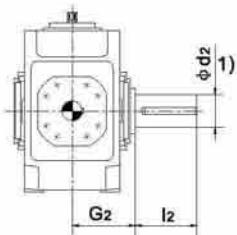
Type JRHB3.H JRHB3.M Sizes 13-20

**JRHB3SH JRHB3HH JRHB3DH****JRHB3HM JRHB3DM**

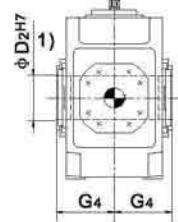
★输出轴 / Output

布置形式 / Design

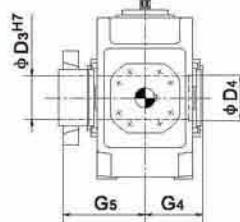
JRHB3SH
实心轴
Solid shaft



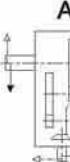
JRHB3HH, JRHB3HM
空心轴
Hollow shaft



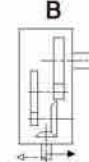
JRHB3DH, JRHB3DM
带胀紧盘的空心轴
Hollow shaft for shrink disk



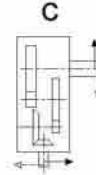
A



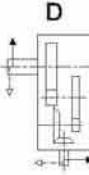
B



C



D



1) $m6 \leq \phi 100$; $n6 > \phi 100$
平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页

1) $m6 \leq \phi 100$; $n6 > \phi 100$
Keyway, Hubkeyway, Parallel key, see pages 80-81.

直交轴齿轮箱



三级传动 卧式安装

类型 JRHB3.H JRHB3.M 规格 13-20

Bevel-helical gear units

Three Stage Horizontal

Type JRHB3.H JRHB3.M Sizes 13-20

规格 Size	尺寸/Dimension mm																		
	输入轴/Input																		
	i _N =12.5-45			i _N =14-50			i _N =16-56			i _N =50-71			i _N =56-80			i _N =63-90			
d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃		
13	80	165	130						60	140	105							11251160	
14						80	165	130								60	140	105	11951230
15	90	165	130						70	140	105								13671402
16				90	165	130						70	140	105					14131448
17	110	205	165						80	170	130								15601600
18				110	205	165						80	170	130					16201660
19	130	245	200						100	210	165								18321877
20				130	245	200						100	210	165					18921937

规格 Size	尺寸/Dimension mm																
	齿轮箱/Gear Units																
	a	A ₁	A ₂	b	B ₁	c	c ₁	d ₈	D ₅	e ₂	e ₃	E	g				
13	1290	425	475	550	325	60	61±2	210	48	405	265	635	211.5				
14	1430	425	475	550	325	60	61±2	210	48	475	265	705	211.5				
15	1550	485	520	625	365	70	72±2	210	55	485	320	762	238				
16	1640	485	520	625	365	70	72±2	210	55	530	320	808	238				
17	1740	535	570	690	395	80	81±2	230	55	525	370	860	259				
18	1860	535	570	690	395	80	81±2	230	55	585	370	920	259				
19	2010	610	630	790	448	90	91±2	245	65	590	420	997	299				
20	2130	610	630	790	448	90	91±2	245	65	650	420	1057	299				

规格 Size	尺寸/Dimension mm												
	齿轮箱/Gear Units												
	G ₆	h	h ₁	h ₂	H	m ₁	m ₂	m ₃	n ₁	n ₂	n ₃	n ₄	s
13	1180	440	450	460	900	545	545	475	100	305	835	340	35
14	1250	440	450	460	900	545	685	475	100	375	905	340	35
15	1420	500	490	500	1000	655	655	535	120	365	1005	375	42
16	1470	500	490	500	1000	655	745	535	120	410	1050	375	42
17	1620	550	555	560	1110	735	735	600	135	390	1145	425	42
18	1680	550	555	560	1110	735	855	600	135	450	1205	425	42
19	1900	620	615	620	1240	850	850	690	155	435	1345	475	48
20	1960	620	615	620	1240	850	970	690	155	495	1405	475	48

规格 Size	尺寸/Dimension mm										润滑油/Oil		重量/Weight		
	输出轴/Output					JRHB3DH JRHB3DM					JRHB3.H	JRHB3.M	JRHB3.H	JRHB3.M	
	JRHB3SH			JRHB3HH JRHB3HM		D ₂	G ₂	I ₂	D ₃	D ₄	G ₄	G ₅	(L)	(L)	(kg)
13	200	335	350	190	335	190	195	335	480	130	110	2427	2305		
14	210	335	350	210	335	210	215	335	480	140	115	2805	2667		
15	230	380	410	230	380	230	235	380	550	210	160	3804	3610		
16	240	380	410	240	380	240	245	380	550	220	165	4034	3840		
17	250	415	410	250	415	250	260	415	600	290	230	5089	4855		
18	270	415	470	275	415	280	285	415	600	300	235	5604	5344		
19	290	465	470	-	-	285	295	465	670	380	360	6364	6171		
20	300	465	500	-	-	310	315	465	670	440	420	7089	6844		

直交轴齿轮箱

四级传动 卧式安装

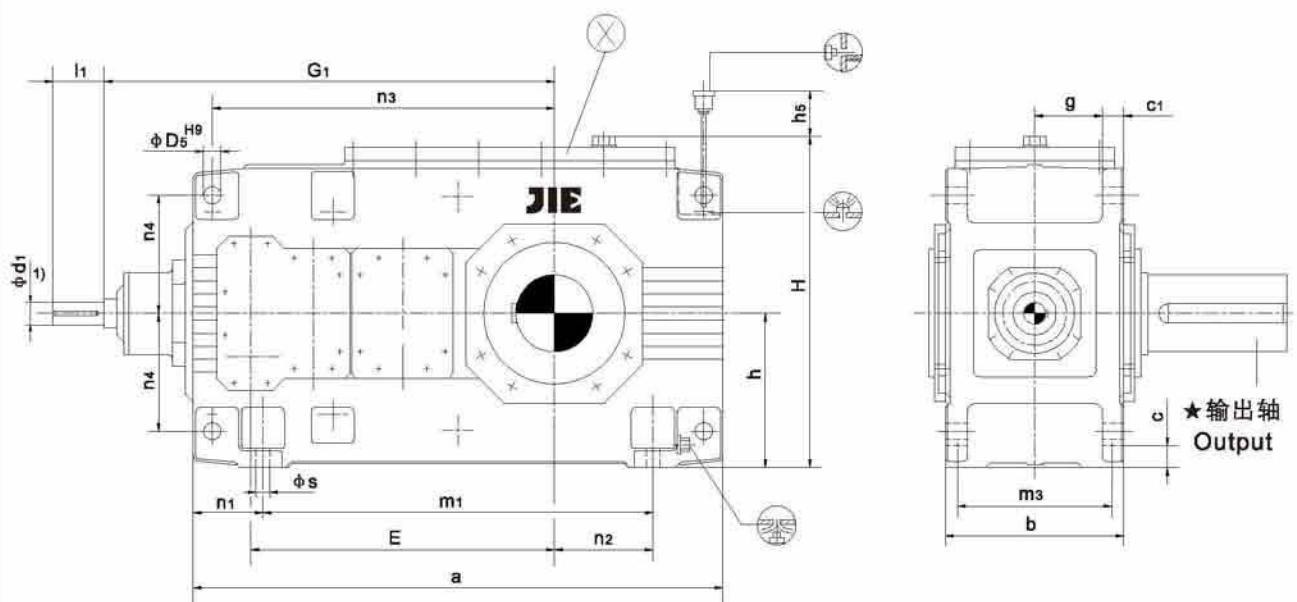
类型 JRHB4.H 规格 5-12

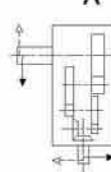
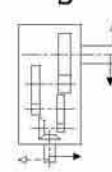
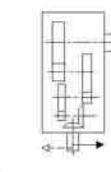
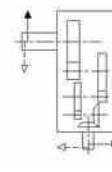
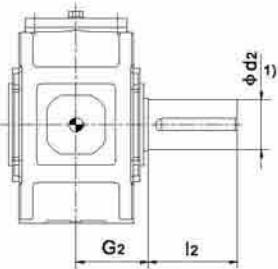
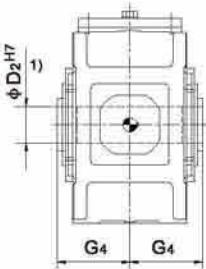
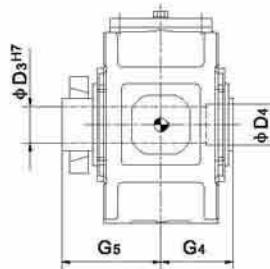
Bevel-helical gear units

Four Stage Horizontal

Type JRHB4.H Sizes 5-12

JRHB4SH JRHB4HH JRHB4DH



★输出轴 / Output		布置形式 / Design	
JRHB4SH 实心轴 Solid shaft	JRHB4HH 空心轴 Hollow shaft	JRHB4DH 带胀紧盘的空心轴 Hollow shaft for shrink disk	   
			
1) $m6 \leq \phi 100; n6 > \phi 100$ 平键槽、轮毂键槽、平键和中心孔的具体尺寸，见第80-81页		1) $m6 \leq \phi 100; n6 > \phi 100$ Keyway, Hubkeyway, Parallel key, see pages 80-81.	

直交轴齿轮箱



四级传动 卧式安装

类型 JRHB4.H 规格 5-12

Bevel-helical gear units

Four Stage Horizontal

Type JRHB4.H Sizes 5-12

规格 Size	尺寸/Dimension mm								G ₁	
	输入轴/Input									
	i _N =80-180		i _N =100-224		i _N =200-315		i _N =250-400			
d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁			
5	28	55			20	50			615	
6			28	55			20	50	650	
7	30	70			25	60			725	
8			30	70			25	60	770	
9	35	80			28	60			840	
10			35	80			28	60	890	
11	45	100			35	80			1010	
12			45	100			35	80	1080	

规格 Size	尺寸/Dimension mm																
	齿轮箱/Gear Units																
	a	b	c	c ₁	D ₅	E	g	h	h ₅	H	m ₁	m ₃	n ₁	n ₂	n ₃	n ₄	s
5	690	255	28	30±1	24	405	97.5	230	100	482	480	220	105	100	455	180	19
6	770	255	28	30±1	24	440	97.5	230	100	482	560	220	105	145	490	180	19
7	845	300	35	36±1	28	495	114	280	140	572	605	260	120	130	560	215	24
8	950	300	35	36±1	28	540	114	280	130	582	710	260	120	190	605	215	24
9	1000	370	40	45±1.5	36	580	140	320	135	662	710	320	145	155	660	245	28
10	1100	370	40	45±1.5	36	630	140	320	135	662	810	320	145	205	710	245	28
11	1200	430	50	54±1.5	40	705	161	380	170	782	870	370	165	180	805	300	35
12	1355	430	50	54±1.5	40	775	161	380	160	790	1025	370	165	265	875	300	35

规格 Size	尺寸/Dimension mm									润滑油/Oil (L)	重量 Weight (kg)		
	输出轴/Output												
	JRHB4SH			JRHB4HH			JRHB4DH						
d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅					
5	100	165	210	95	165	100	100	165	240	16	341		
6	110	165	210	105	165	110	110	165	240	18	392		
7	120	195	210	115	195	120	120	195	280	30	566		
8	130	195	250	125	195	130	130	195	285	33	668		
9	140	235	250	135	235	140	145	235	330	48	907		
10	160	235	300	150	235	150	155	235	350	50	1045		
11	170	270	300	165	270	165	170	270	400	80	1514		
12	180	270	300	180	270	180	185	270	405	90	1785		

直交轴齿轮箱

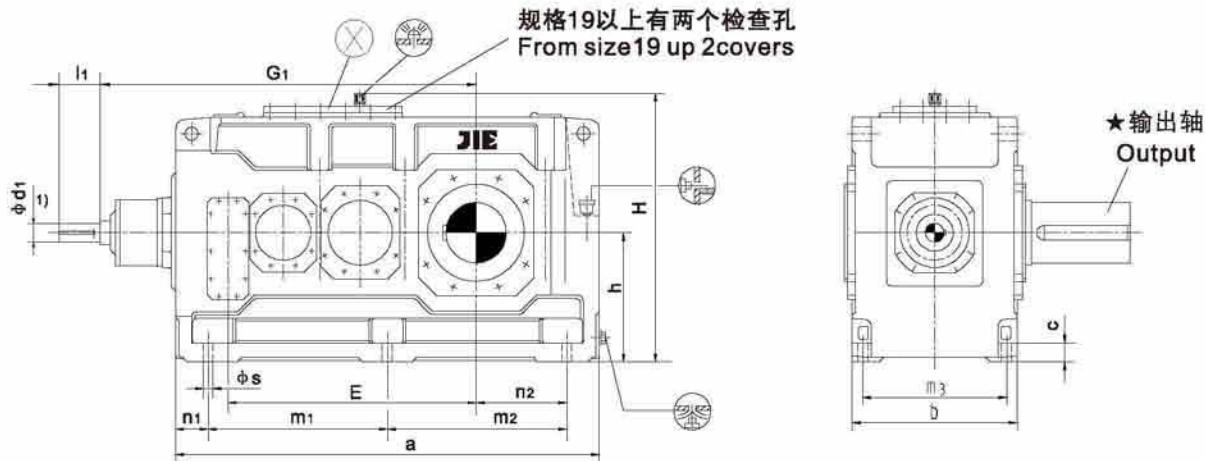
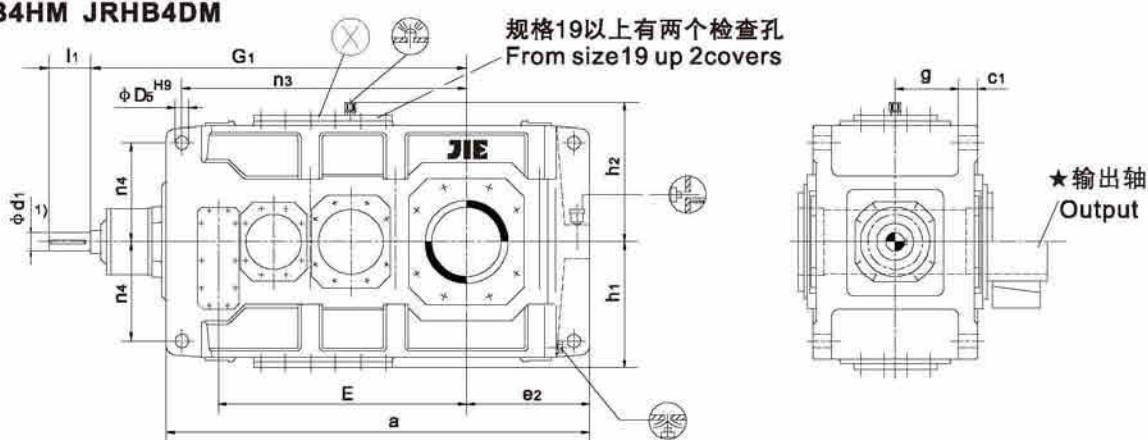
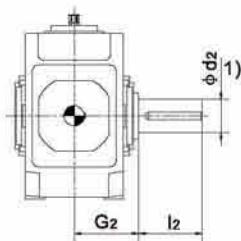
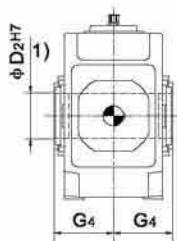
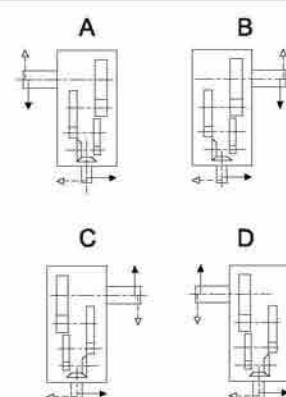
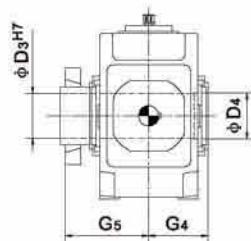
四级传动 卧式安装

类型 JRHB4.H JRHB4.M 规格 13-20

Bevel-helical gear units

Four Stage Horizontal

Type JRHB4.H JRHB4.M Sizes 13-20


JRHB4SH JRHB4HH JRHB4DH

JRHB4HM JRHB4DM

★输出轴 / Output
布置形式 / Design
JRHB4SH
实心轴
Solid shaft

JRHB4HH,JRHB4HM
空心轴
Hollow shaft

JRHB4DH,JRHB4DM
带胀紧盘的空心轴
Hollow shaft for shrink disk


1) $m6 \leq \phi 100; n6 > \phi 100$
平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页

1) $m6 \leq \phi 100; n6 > \phi 100$
Keyway, Hubkeyway, Parallel key, see pages 80-81.

直交轴齿轮箱

四级传动 卧式安装

类型 JRHB4.H JRHB4.M 规格 13-20

Bevel-helical gear units

Four Stage Horizontal

Type JRHB4.H JRHB4.M Sizes 13-20

规格 Size	尺寸/Dimension mm											
	输入轴/Input											
	iN=80-180		iN=90-200		iN=100-224		iN=200-315		iN=224-355		iN=250-400	
d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	G ₁
13	55	110					40	100				1170
14				55	110					40	100	1240
15	70	135					50	110				1402
16			70	135					50	110		1448
17	70	135					50	110				1450
18			70	135					50	110		1510
19	80	165					60	140				1680
20			80	165					60	140		1740

规格 Size	尺寸/Dimension mm									
	齿轮箱/Gear Units									
	a	b	c	c ₁	D ₅	e ₂	E	g	h	h ₁
13	1395	550	60	61±2	48	405	820	211.5	440	450
14	1535	550	60	61±2	48	475	890	211.5	440	450
15	1680	625	70	72±2	55	485	987	238	500	490
16	1770	625	70	72±2	55	530	1033	238	500	490
17	1770	690	80	81±2	55	525	1035	259	550	555
18	1890	690	80	81±2	55	585	1095	259	550	555
19	2030	790	90	91±2	65	590	1190	299	620	615
20	2150	790	90	91±2	65	650	1250	299	620	615

规格 Size	尺寸/Dimension mm									
	齿轮箱/Gear Units									
	h ₂	H	m ₁	m ₂	m ₃	n ₁	n ₂	n ₃	n ₄	s
13	460	900	597.5	597.5	475	100	305	940	340	35
14	460	900	597.5	737.5	475	100	375	1010	340	35
15	500	1000	720	720	535	120	365	1135	375	42
16	500	1000	720	810	535	120	410	1180	375	42
17	560	1110	750	750	600	135	390	1175	425	42
18	560	1110	750	870	600	135	450	1235	425	42
19	620	1240	860	860	690	155	435	1365	475	48
20	620	1240	860	980	690	155	495	1425	475	48

规格 Size	尺寸/Dimension mm									润滑油/Oil		重量/Weight	
	输出轴/Output				JRHB4SH JRHB4HH JRHB4HM					JRHB4.H	JRHB4.M	JRHB4.H	JRHB4.M
	d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅	(L)	(L)	(kg)	(kg)
13	200	335	350	190	335	190	195	335	480	145	120	2442	2325
14	210	335	350	210	335	210	215	335	480	150	125	2789	2657
15	230	380	410	230	380	230	235	380	550	230	170	3702	3503
16	240	380	410	240	380	240	245	380	550	235	175	4064	3840
17	250	415	410	250	415	250	260	415	600	295	230	4788	4549
18	270	415	470	275	415	280	285	415	600	305	235	5304	5028
19	290	465	470	-	-	285	295	465	670	480	440	5865	5508
20	300	465	500	-	-	310	315	465	670	550	510	6579	6120

平行轴齿轮箱

两级传动 立式安装

类型 JRHH2.V 规格 5-12

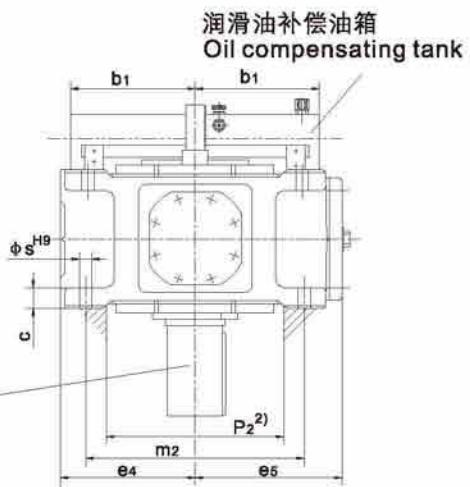
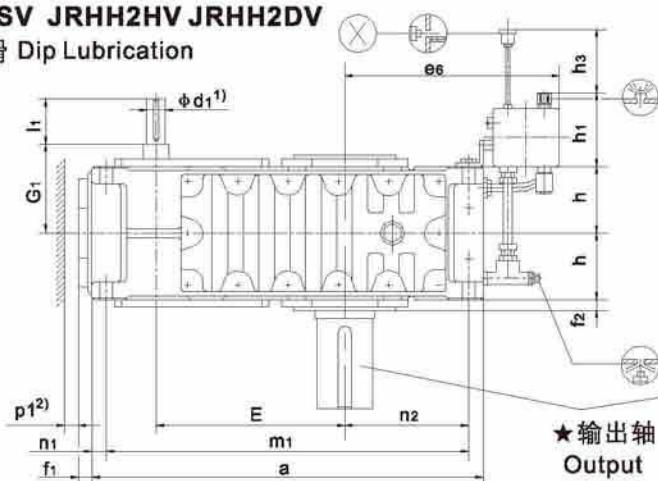
Helical gear units

Two Stage Vertical

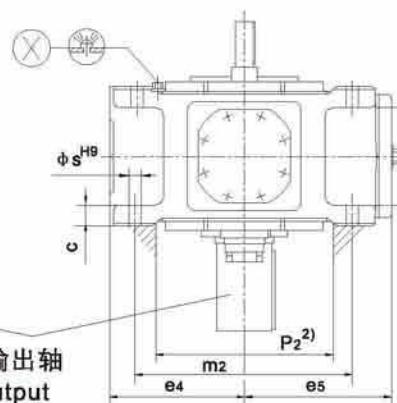
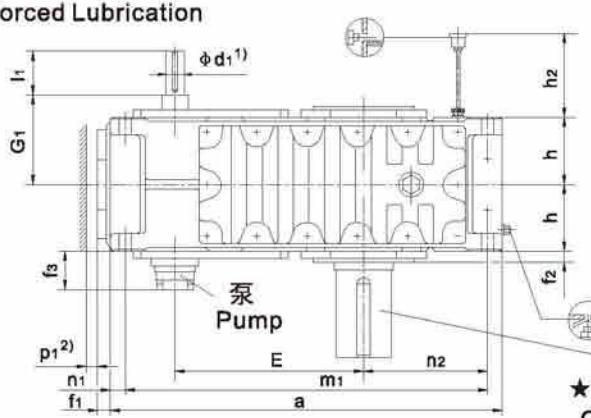
Type JRHH2.V Sizes 5-12

**JRHH2SV JRHH2HV JRHH2DV**

浸油润滑 Dip Lubrication

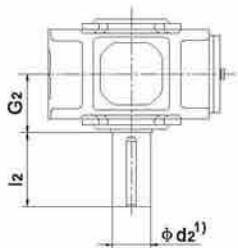
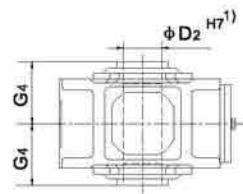
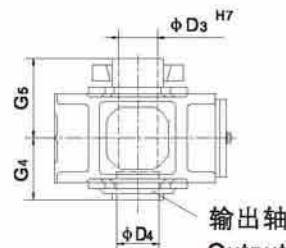
**JRHH2SV JRHH2HV JRHH2DV**

采用强制润滑 Forced Lubrication

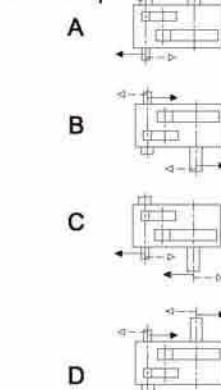


★输出轴 / Output

布置形式 / Design

JRHH2SV实心轴
Solid shaft**JRHH2HV**空心轴
Hollow shaft**JRHH2DV**带胀紧盘的空心轴
Hollow shaft for shrink disk

泵 Pump

布置形式A+D根据用户要求供货
A, D designs on request1) $m6 \leq \phi 100$; $n6 > \phi 100$ 平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页2) 油泵、油管和护盖所需的空间尺寸，欲了解
精确尺寸，请与我们联系。1) $m6 \leq \phi 100$; $n6 > \phi 100$ Keyway, Hubkeyway, Parallel key,
see pages 80-81.2) Space for pump, pipes and cover. for exact
dimensions, please refer to us.

平行轴齿轮箱

两级传动 立式安装

类型 JRHH2.V 规格 5-12

Helical gear units

Two Stage Vertical

Type JRHH2.V Sizes 5-12

规格 Size	尺寸/Dimension mm								
	输入轴/Input								
	i _N =6.3-11.2		i _N =8-14		i _N =12.5-22.4		i _N =16-28		G ₁
d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁		
5	50	100			38	80			195
6			50	100			38	80	195
7	60	135			50	110			210
8			60	135			50	110	210
9	75	140			60	140			240
10			75	140			60	140	240
11	90	165			70	140			275
12			90	165			70	140	275

规格 Size	尺寸/Dimension mm									
	齿轮箱/Gear Units									
	a	b ₁	c	e ₄	e ₅	e ₆	E	f ₁	f ₂	f ₃
5	640	240	30±1	230	252	385	315	38	28	150
6	720	240	30±1	230	252	425	350	38	28	150
7	785	240	36±1	280	292	425	385	42	30	145
8	890	240	36±1	280	302	485	430	42	32	145
9	925	330	45±1.5	320	342	560	450	42	32	135
10	1025	330	45±1.5	320	342	610	500	42	32	135
11	1105	330	54±1.5	380	402	595	545	48	35	145
12	1260	330	54±1.5	380	410	680	615	48	35	145

规格 Size	尺寸/Dimension mm										
	齿轮箱/Gear Units										
	h	h ₁	h ₂	h ₃	m ₁	m ₂	n ₁	n ₂	P ₁	P ₂	s
5	127.5	205	190	240	580	360	30	175	35	270	24
6	127.5	205	190	240	660	360	30	220	35	270	24
7	150	205	165	250	715	430	35	215	35	330	28
8	150	205	165	250	820	430	35	275	35	330	28
9	185	275	205	330	845	490	40	260	40	370	36
10	185	275	205	330	945	490	40	310	40	370	36
11	215	275	240	340	1005	600	50	295	50	440	40
12	215	275	240	340	1160	600	50	380	50	440	40

规格 Size	尺寸/Dimension mm								润滑油/Oil		重量 Weight (kg)	
	输出轴/Output								浸油润滑 (L)	强制润滑 (L)		
	d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅	Dip lubrication (L)	Forced lubrication (L)	
5	100	165	210	95	165	100	100	165	240	23	10	306
6	110	165	210	105	165	110	110	165	240	27	11	362
7	120	195	210	115	195	120	120	195	280	58	22	515
8	130	195	250	125	195	130	130	195	285	62	25	601
9	140	235	250	135	235	140	145	235	330	100	42	846
10	160	235	300	150	235	150	155	235	350	110	46	979
11	170	270	300	165	270	165	170	270	400	160	60	1361
12	180	270	300	180	270	180	185	270	405	180	70	1647

平行轴齿轮箱

两级传动 立式安装

类型 JRHH2.V 规格 13-18

Helical gear units

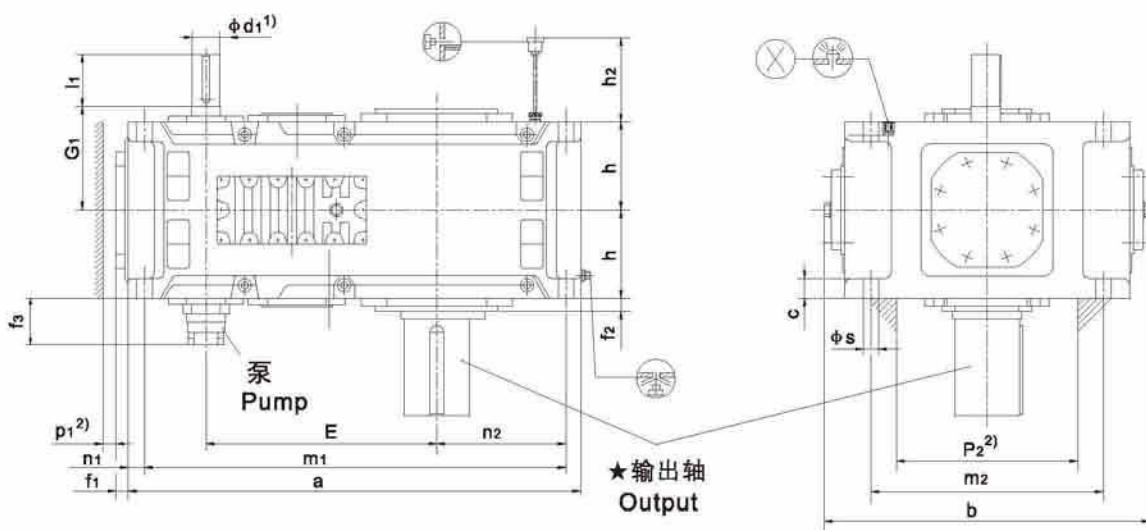
Two Stage Vertical

Type JRHH2.V Sizes 13-18


JRHH2SV JRHH2HV JRHH2DV

采用强制润滑

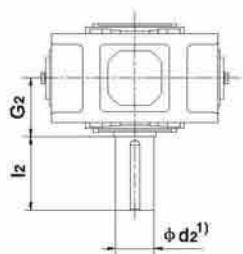
Forced lubrication

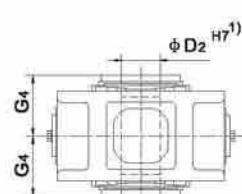


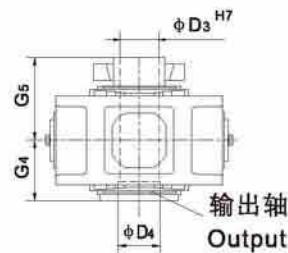
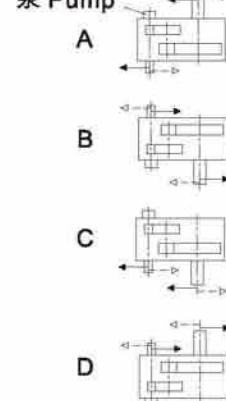
★输出轴 / Output

布置形式 / Design

JRHH2SV

 实心轴
Solid shaft

JRHH2HV

 空心轴
Hollow shaft

JRHH2DV

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

泵 Pump


1) $m6 \leq \phi 100; n6 > \phi 100$
平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页

2) 油泵、油管和护盖所需的空间尺寸，欲了解精确尺寸，请与我们联系。

3) 规格13和15：仅有*iN*=6.3-18
iN=6.3-16

1) $m6 \leq \phi 100; n6 > \phi 100$
Keyway, Hubkeyway, Parallel key, see pages 80-81.

2) Space for pump, pipes and cover. for exact dimensions, please refer to us.

3) Sizes 13 and 15: only *iN*=6.3-18
iN=6.3-16

平行轴齿轮箱



两级传动 立式安装

类型 JRHH2.V 规格 13-18

Helical gear units

Two Stage Vertical

Type JRHH2.V Sizes 13-18



规格 Size	尺寸/Dimension mm													
	输入轴/Input													
	$i_N=6.3-11.2$		$i_N=7.1-12.5$		$i_N=8-14$		$i_N=12.5-20$		$i_N=14-22.4$		$i_N=16-25$		G_1	
d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	
13	100	205						85	170					330
14					100	205						85	170	330
15	120	210						100	210					365
16			120	210						100	210			365
17	125	245						110	210					420
18			125	245						110	210			420

规格 Size	尺寸/Dimension mm															
	齿轮箱/Gear Units															
	a	b	c	E	f ₁	f ₂	f ₃	h	h ₂	m ₁	m ₂	n ₁	n ₂	p ₁	p ₂	s
13	1290	900	61±2	635	53	35	130	272.5	300	1195	680	50	360	50	500	48
14	1430	900	61±2	705	53	35	130	272.5	300	1335	680	50	430	50	500	48
15	1550	980	72±2	762	63	42	130	310	340	1435	750	60	430	50	570	55
16	1640	980	72±2	808	63	42	130	310	340	1525	750	60	475	50	570	55
17	1740	1110	81±2	860	60	42	170	340	374	1610	850	70	465	70	630	55
18	1860	1110	81±2	920	60	42	170	340	374	1730	850	70	525	70	630	55

规格 Size	尺寸/Dimension mm										润滑油/Oil (L)	重量 Weight (kg)		
	输出轴/Output													
	JRHH2SV			JRHH2HV			JRHH2DV							
d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅						
13	200	335	350	190	335	190	195	335	480		80		1917	
14	210	335	350	210	335	210	215	335	480		90		2478	
15	230	380	410	230	380	230	235	380	550		140		3304	
16	240	380	410	240	380	240	245	380	550		150		3534	
17	250	415	410	250	415	250	260	415	600		175		4508	
18	270	415	470	275	415	280	285	415	600		185		4967	

平行轴齿轮箱

三级传动 立式安装

类型 JRHH3.V 规格 5-12

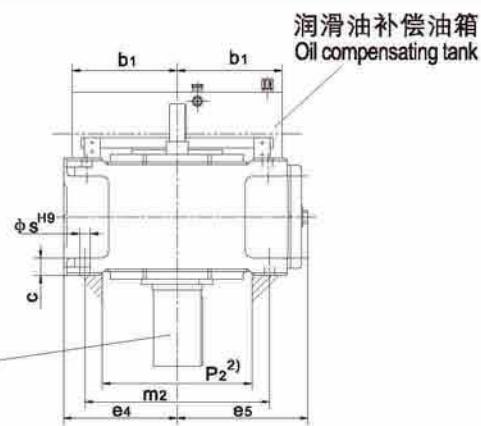
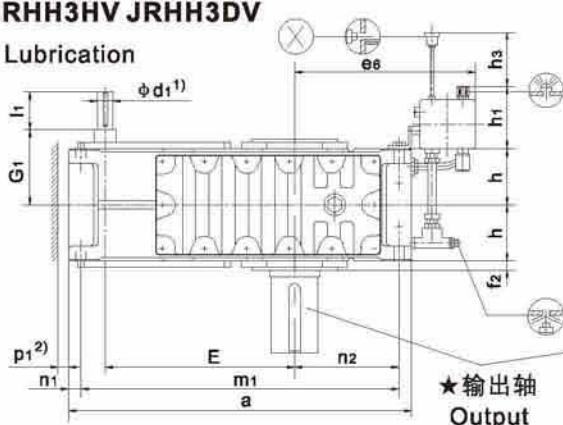
Helical gear units

Three Stage Vertical

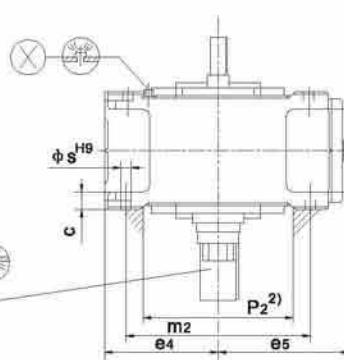
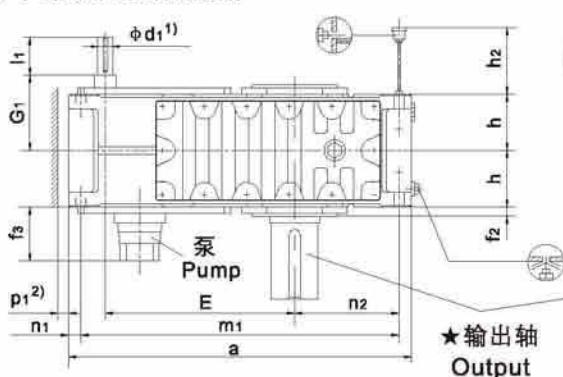
Type JRHH3.V Sizes 5-12

**JRHH3SV JRHH3HV JRHH3DV**

浸油润滑 Dip Lubrication

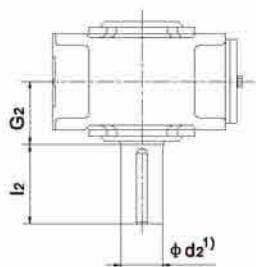
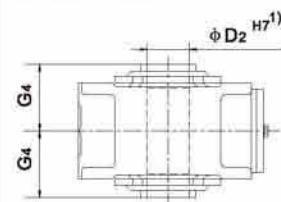
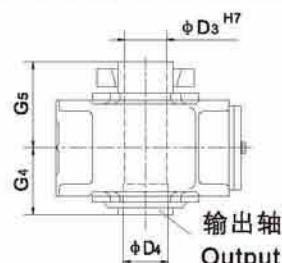
**JRHH3SV JRHH3HV JRHH3DV**

采用强制润滑 Forced Lubrication

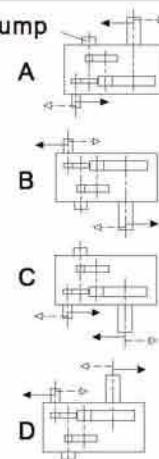


★输出轴 / Output

布置形式 / Design

JRHH3SV实心轴
Solid shaft**JRHH3HV**空心轴
Hollow shaft**JRHH3DV**带胀紧盘的空心轴
Hollow shaft for shrink disk

泵 Pump

1) $m6 \leq \phi 100$; $n6 > \phi 100$ 平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页2) 油泵、油管和护盖所需的空间尺寸，欲了解
精确尺寸，请与我们联系。1) $m6 \leq \phi 100$; $n6 > \phi 100$

Keyway, Hubkeyway, Parallel key, see pages 80-81.

2) Space for pump, pipes and cover; for exact dimensions,
Please refer to us.

平行轴齿轮箱

三级传动 立式安装

类型 JRHH3.V 规格 5-12

Helical gear units

Three Stage Vertical

Type JRHH3.V Sizes 5-12

规格 Size	尺寸/Dimension mm												
	输入轴/Input												
	iN=25-45		iN=31.5-56		iN=50-63		iN=63-80		iN=71-90		iN=90-112		G1
d1	l1	d1	l1	d1	l1	d1	l1	d1	l1	d1	l1		
5	40	70			30	50			24	40			160
6			40	70			30	50			24	40	160
7	45	80			35	60			28	50			185
8			45	80			35	60			28	50	185
9	60	125			45	100			32	80			230
10			60	125			45	100			32	80	230
11	70	120			50	80			42	70			255
12			70	120			50	80			42	70	255

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

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

规格 Size	尺寸/Dimension mm									润滑油/Oil		重量 Weight (kg)	
	输出轴/Output									浸油润滑 (L) Dip lubrication (L)	强制润滑 (L) Forced lubrication (L)		
	d2	G2	l2	D2	G4	D3	D4	G4	G5				
5	100	165	210	95	165	100	100	165	240	35	13	326	
6	110	165	210	105	165	110	110	165	240	37	15	372	
7	120	195	210	115	195	120	120	195	280	60	25	550	
8	130	195	250	125	195	130	130	195	285	72	30	637	
9	140	235	250	135	235	140	145	235	330	100	40	892	
10	160	235	300	150	235	150	155	235	350	110	45	1040	
11	170	270	300	165	270	165	170	270	400	170	66	1428	
12	180	270	300	180	270	180	185	270	405	190	75	1708	

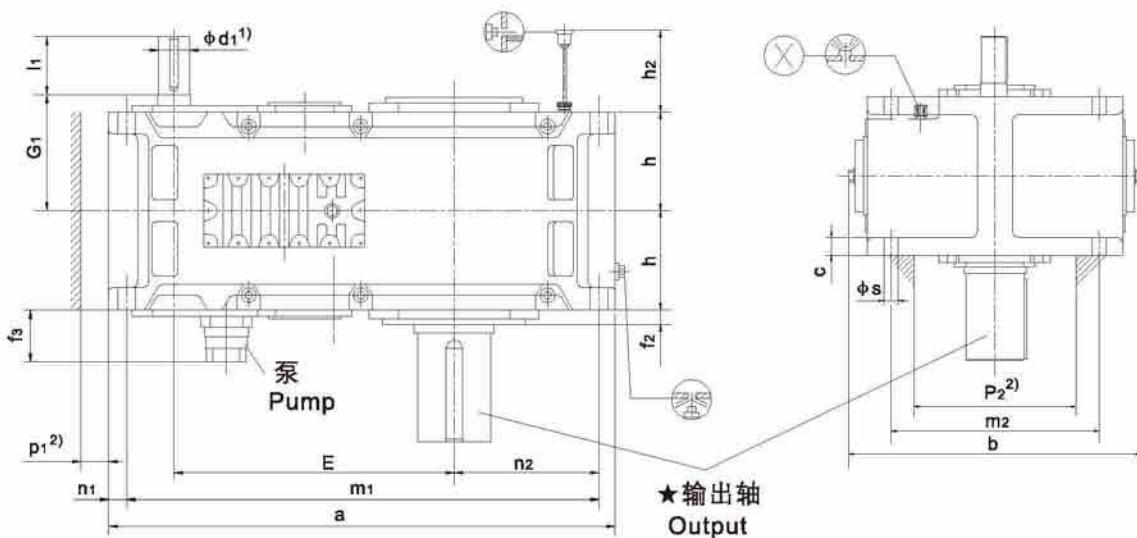


平行轴齿轮箱
三级传动 立式安装
类型 JRHH3.V 规格 13-18

Helical gear units
Three Stage Vertical
Type JRHH3.V Sizes 13-18

JRHH3SV JRHH3HV JRHH3DV

采用强制润滑 Forced lubrication



★输出轴
Output

★输出轴 / Output			布置形式 / Design
JRHH3SV 实心轴 Solid shaft	JRHH3HV 空心轴 Hollow shaft	JRHH3DV 带胀紧盘的空心轴 Hollow shaft for shrink disk	

- 1) $m6 \leq \phi 100; n6 > \phi 100$
平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页
- 2) 油泵、油管和护盖所需的空间尺寸，欲了解
精确尺寸，请与我们联系。

- 1) $m6 \leq \phi 100; n6 > \phi 100$
Keyway, Hubkeyway, Parallel key, see pages 80-81.
- 2) Space for pump, pipes and cover; for exact dimensions,
Please refer to us.

平行轴齿轮箱



三级传动 立式安装

类型 JRHH3.V 规格 13-18

Helical gear units

Three Stage Vertical

Type JRHH3.V Sizes 13-18



规格 Size	尺寸/Dimension mm																			
	输入轴/Input																			
	$i_N=22.4-45$		$i_N=25-50$		$i_N=28-56$		$i_N=50-63$		$i_N=56-71$		$i_N=63-80$		$i_N=71-90$		$i_N=80-100$		$i_N=90-112$			
	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁		
13	85	160					60	135					50	110					310	
14					85	160							60	135				50	110	310
15	100	200					75	140					60	140						350
16			100	200					75	140						60	140			350
17	100	200					75	140					60	140						380
18			100	200					75	140						60	140			380

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

规格 Size	尺寸/Dimension mm										润滑油/Oil (L)	重量 Weight (kg)		
	输出轴/Output													
	JRHH3SV			JRHH3HV			JRHH3DV							
	d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅					
13	200	335	350	190	335	190	195	335	480	115	2198			
14	210	335	350	210	335	210	215	335	480	125	2539			
15	230	380	410	230	380	230	235	380	550	180	3325			
16	240	380	410	240	380	240	245	380	550	190	3697			
17	250	415	410	250	415	250	260	415	600	190	4335			
18	270	415	470	275	415	280	265	415	600	200	4834			



平行轴齿轮箱

四级传动 立式安装

类型 JRHH4.V 规格 7-12

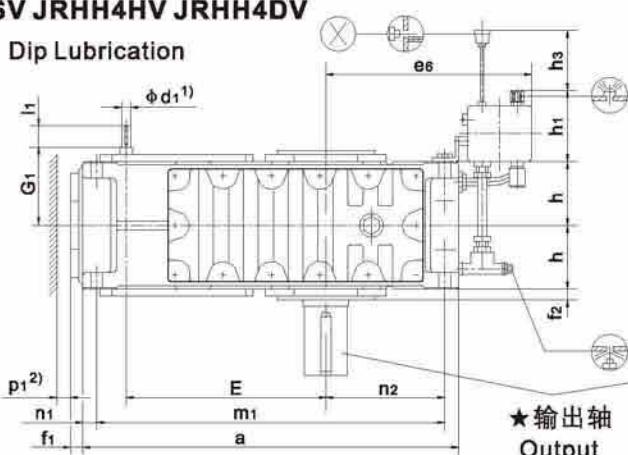
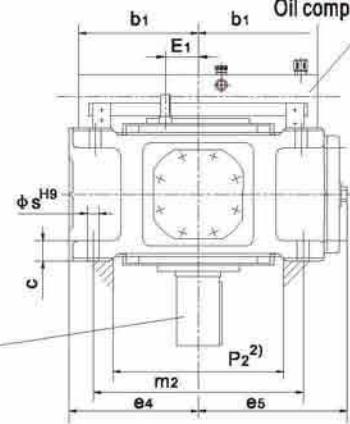
Helical gear units

Four Stage Vertical

Type JRHH4.V Sizes 7-12

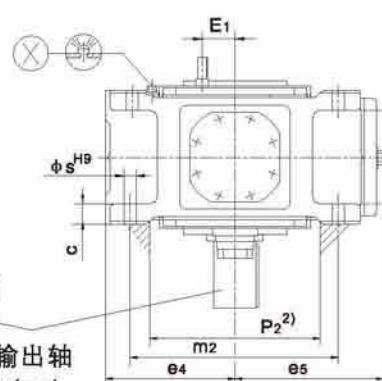
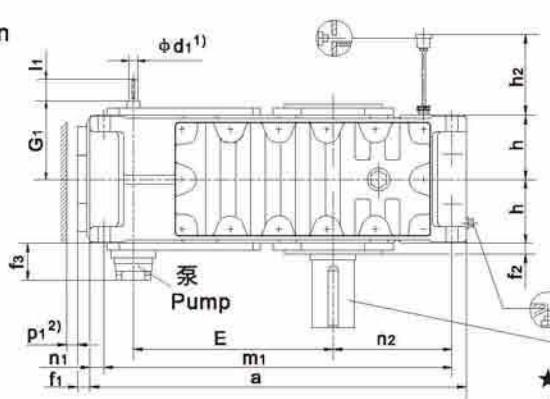
**JRHH4SV JRHH4HV JRHH4DV**

浸油润滑 Dip Lubrication

润滑油补偿油箱
Oil compensating tank**JRHH4SV JRHH4HV JRHH4DV**

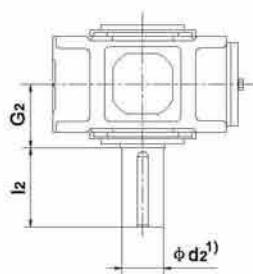
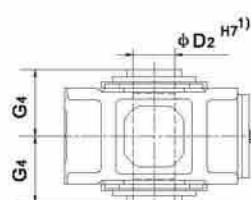
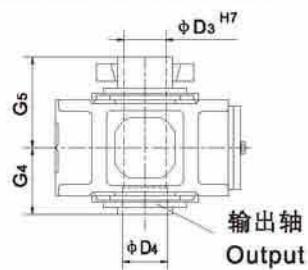
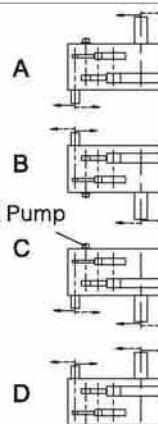
采用强制润滑

Forced Lubrication



★输出轴 / Output

布置形式 / Design

JRHH4SV实心轴
Solid shaft**JRHH4HV**空心轴
Hollow shaft**JRHH4DV**带胀紧盘的空心轴
Hollow shaft for shrink disk布置形式A+D根据用户要求供货
A, D designs on request1) $m6 \leq \phi 100$; $n6 > \phi 100$ 平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页2) 油泵、油管和护盖所需的空间尺寸，欲了解
精确尺寸，请与我们联系。

1)m6≤φ100;n6>φ100

Keyway、Hubkeyway、Parallel key, see pages 80-81.

2) Space for pump, pipes and cover; for exact dimensions,
Please refer to us.

平行轴齿轮箱

Helical gear units

四级传动 立式安装

Four Stage Vertical

类型 JRHH4.V 规格 7-12

Type JRHH4.V Sizes 7-12

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

规格 Size	尺寸/Dimension mm										
	齿轮箱/Gear Units										
	a	b ₁	c	e ₄	e ₅	e ₆	E	E ₁	f ₁	f ₂	f ₃
7	845	240	36±1	280	292	425	495	80	37	30	160
8	950	240	36±1	280	312	485	540	80	37	32	160
9	1000	330	45±1.5	320	342	560	580	90	43	32	170
10	1100	330	45±1.5	320	342	610	630	90	43	32	170
11	1200	330	54±1.5	380	402	595	705	110	47	35	170
12	1355	330	54±1.5	380	410	680	775	110	47	35	170

规格 Size	尺寸/Dimension mm										
	齿轮箱/Gear Units										
	h	h ₁	h ₂	h ₃	m ₁	m ₂	n ₁	n ₂	p ₁	p ₂	s
7	150	205	165	250	775	430	35	215	35	330	28
8	150	205	165	250	880	430	35	275	35	330	28
9	185	275	205	330	920	490	40	260	40	370	36
10	185	275	205	330	1020	490	40	310	40	370	36
11	215	275	240	340	1100	600	50	295	50	440	40
12	215	275	240	340	1255	600	50	380	50	440	40

规格 Size	尺寸/Dimension mm								润滑油/Oil		重量 Weight (kg)	
	输出轴/Output								轴封 (L) Shaft seal (L)	迷宫式密封 (L) Labyrinth seal (L)		
	JRHH4SV			JRHH4HV		JRHH4DV						
d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅				
7	120	195	210	115	195	120	120	195	280	50	20	561
8	130	195	250	125	195	130	130	195	285	60	25	657
9	140	235	250	135	235	140	145	235	330	95	38	892
10	160	235	300	150	235	150	155	235	350	110	45	1030
11	170	270	300	165	270	165	170	270	400	165	65	1509
12	180	270	300	180	270	180	185	270	405	180	75	1759

平行轴齿轮箱

四级传动 立式安装

类型 JRHH4.V 规格 13-18

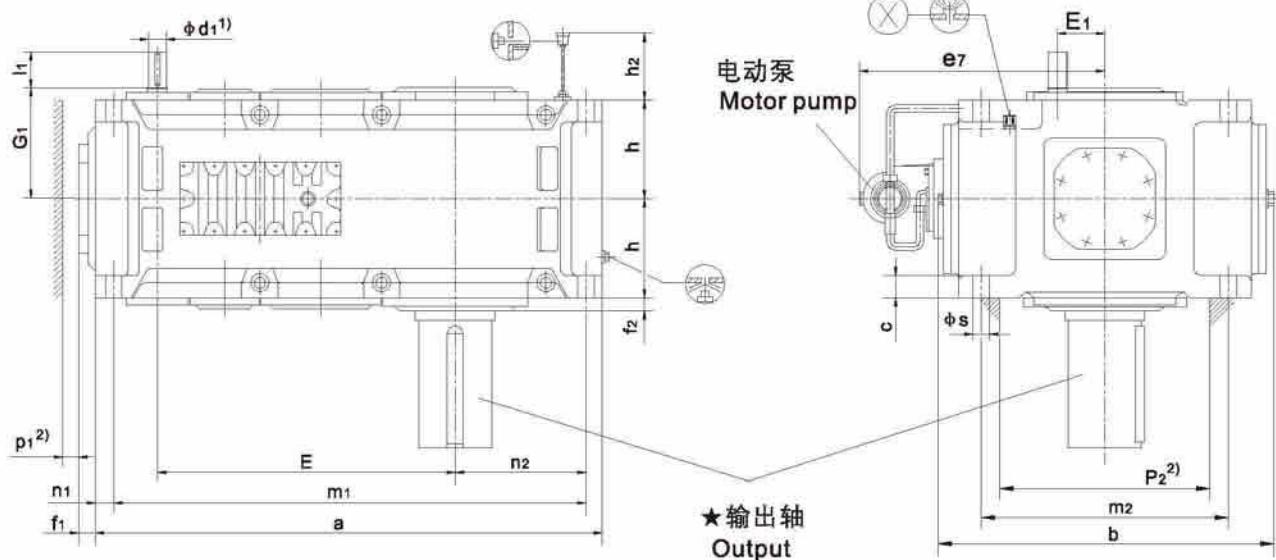
Helical gear units

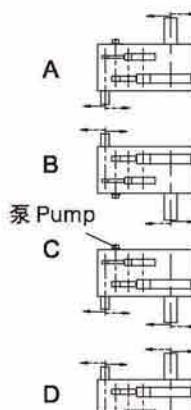
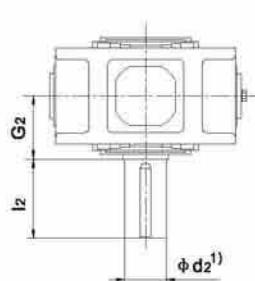
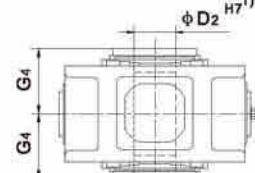
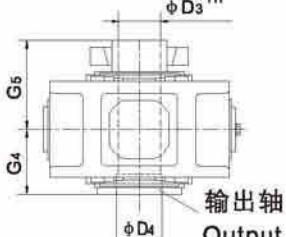
Four Stage Vertical

Type JRHH4.V Sizes 13-18


JRHH4SV JRHH4HV JRHH4DV

采用强制润滑 Forced lubrication


 ★输出轴
Output

★输出轴 / Output			布置形式 / Design
JRHH4SV 实心轴 Solid shaft	JRHH4HV 空心轴 Hollow shaft	JRHH4DV 带胀紧盘的空心轴 Hollow shaft for shrink disk	
			布置形式A+D根据用户要求供货 A, D designs on request
1) $m_6 \leq \phi 100$; $n_6 > \phi 100$ 平键槽、轮毂键槽、平键和中心孔的具体尺寸，见第80-81页	1) $m_6 \leq \phi 100$; $n_6 > \phi 100$ Keyway, Hubkeyway, Parallel key, see pages 80-81.	2) 油泵、油管和护盖所需的空间尺寸，欲了解精确尺寸，请与我们联系。	2) Space for pump, pipes and cover; for exact dimensions, Please refer to us.

- 1) $m_6 \leq \phi 100$; $n_6 > \phi 100$
平键槽、轮毂键槽、平键和中心孔的具体尺寸，见第80-81页
- 2) 油泵、油管和护盖所需的空间尺寸，欲了解精确尺寸，请与我们联系。

- 1) $m_6 \leq \phi 100$; $n_6 > \phi 100$
Keyway, Hubkeyway, Parallel key, see pages 80-81.
- 2) Space for pump, pipes and cover; for exact dimensions, Please refer to us.

平行轴齿轮箱

四级传动 立式安装

类型 JRHH4.V 规格 13-18

Helical gear units

Four Stage Vertical

Type JRHH4.V Sizes 13-18

规格 Size	尺寸/Dimension mm														G ₁	
	输入轴/Input															
	i _N =100-180	i _N =112-200	i _N =125-224	i _N =200-355	i _N =224-400	i _N =250-450	d ₁	l ₁								
13	50	100					38	80								305
14				50	100								38	80		305
15	60	135					50	110								345
16			60	135							50	110				345
17	60	105					50	80								380
18			60	105							50	80				380

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

规格 Size	尺寸/Dimension mm										润滑油/Oil (L)	重量 Weight (kg)			
	输出轴/Output														
	JRHH4SV			JRHH4HV			JRHH4DV								
d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅							
13	200	335	350	190	335	190	195	335	480		95		2315		
14	210	335	350	210	335	210	215	335	480		105		2652		
15	230	380	410	230	380	235	235	380	550		150		3508		
16	240	380	410	240	380	240	245	380	550		160		3814		
17	250	415	410	250	415	250	260	415	600		190		4533		
18	270	415	470	275	415	280	285	415	600		200		5013		

直交际轴齿轮箱

两级传动 立式安装

类型 JRHB2.V 规格 5-12

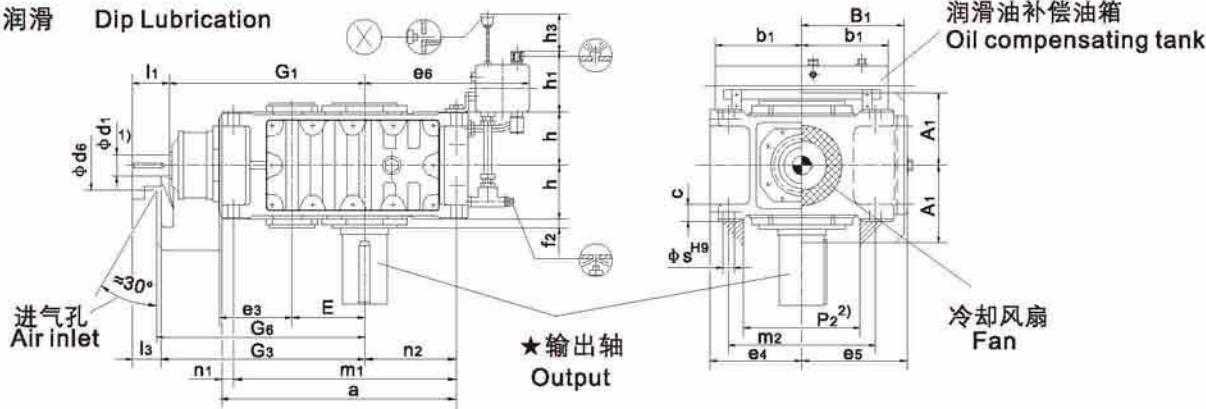
Bevel-helical gear units

Two Stage Vertical

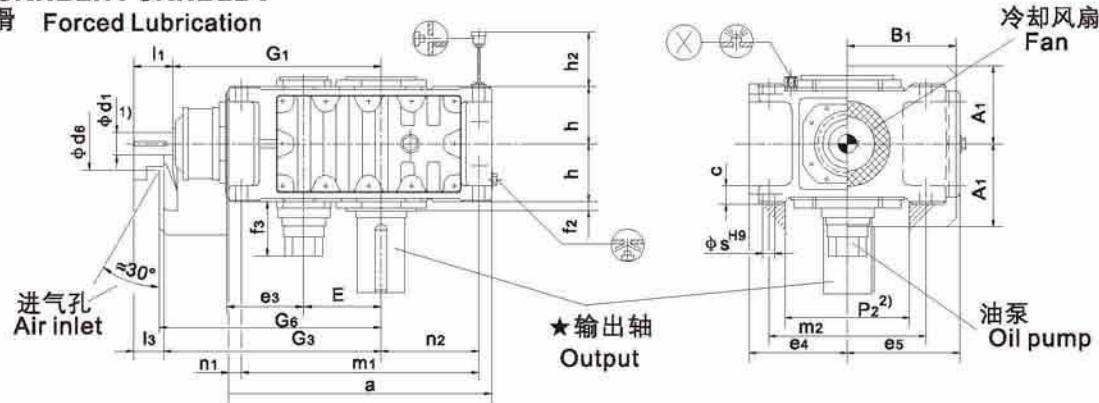
Type JRHB2.V Sizes 5-12


JRHB2SV JRHB2HV JRHB2DV

浸油润滑 Dip Lubrication


JRHB2SV JRHB2HV JRHB2DV

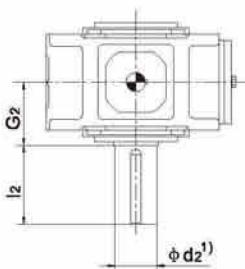
采用强制润滑 Forced Lubrication

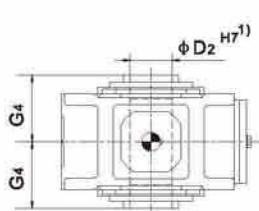


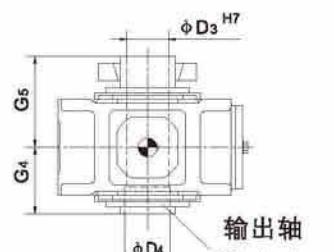
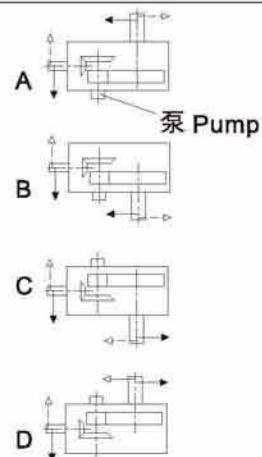
★输出轴 / Output

布置形式 / Design

JRHB2SV

 实心轴
Solid shaft

JRHB2HV

 空心轴
Hollow shaft

JRHB2DV

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

 布置形式A+D根据用户要求供货
A, D designs on request


1) $m6 \leq \phi 100$; $n6 > \phi 100$
平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页

2) 油泵、油管和护盖所需的空间尺寸，欲了解
精确尺寸，请与我们联系。

1) $m6 \leq \phi 100$; $n6 > \phi 100$
Keyway, Hubkeyway, Parallel key, see pages 80-81.

2) Space for pump, pipes and cover; for exact dimensions,
Please refer to us.

直交轴齿轮箱

Bevel-helical gear units

两级传动 立式安装

Two Stage Vertical

类型 JRHB2.V 规格 5-12

Type JRHB2.V Sizes 5-12

规格 Size	尺寸/Dimension mm										
	输入轴/Input									G ₁	G ₂
	i _N =5-11.2			i _N =6.3-14			i _N =12.5-18				
d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃			
5	55	110	80							535	565
6				55	110	80				570	600
7	70	135	105							640	670
8				70	135	105				685	715
9	80	165	130							755	790
10				80	165	130				805	840
11	90	165	130							925	960
12				90	165	130				995	1030

规格 Size	尺寸/Dimension mm												
	齿轮箱/Gear Units											E	g
	a	A ₁	b	B ₁	c	d ₆	e ₃	e ₄	e ₅	e ₆			
5	565	215	240	235	30±1	160	185	230	252	385	185	30	
6	645	215	240	235	30±1	160	185	230	252	425	220	30	
7	690	250	240	285	36±1	210	225	280	302	425	225	32	
8	795	250	240	285	36±1	210	225	280	302	485	270	32	
9	820	270	330	325	48±1.5	195	265	320	342	560	265	45	
10	920	270	330	325	48±1.5	195	265	320	342	610	315	45	
11	975	328	330	385	54±1.5	210	320	380	410	595	320	47	
12	1130	328	330	385	54±1.5	210	320	380	410	680	390	47	

规格 Size	尺寸/Dimension mm											
	齿轮箱/Gear Units											s
	f ₃	G ₆	h	h ₁	h ₂	h ₃	m ₁	m ₂	n ₁	n ₂	p ₂	
5	190	575	160	205	245	240	505	360	30	175	270	24
6	190	610	160	205	245	240	585	360	30	220	270	24
7	200	685	190	205	220	250	620	430	35	215	330	28
8	200	730	190	205	220	250	725	430	35	275	330	28
9	200	805	220	275	250	330	740	490	40	260	370	36
10	200	855	220	275	250	330	840	490	40	310	370	36
11	200	980	265	275	300	340	875	600	50	295	440	40
12	200	1050	265	275	300	340	1030	600	50	380	440	40

规格 Size	尺寸/Dimension mm									润滑油/Oil		重量 Weight (kg)	
	输出轴/Output									浸油润滑 (L)	强制润滑 (L)		
	JRHB2SV			JRHB2HV			JRHB2DV						
d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅	41	20	367		
5	100	200	210	95	200	100	100	200	275	50	23	418	
6	110	200	210	105	200	110	110	200	275	75	35	627	
7	120	235	210	115	235	120	120	235	320	90	38	714	
8	130	235	250	125	235	130	130	235	325	115	53	1020	
9	140	270	250	135	270	140	145	270	365	135	60	1178	
10	160	270	300	150	270	150	155	270	385	190	86	1672	
11	170	320	300	165	320	165	170	320	450	215	95	1948	
12	180	320	300	180	320	180	185	320	455				

直交轴齿轮箱

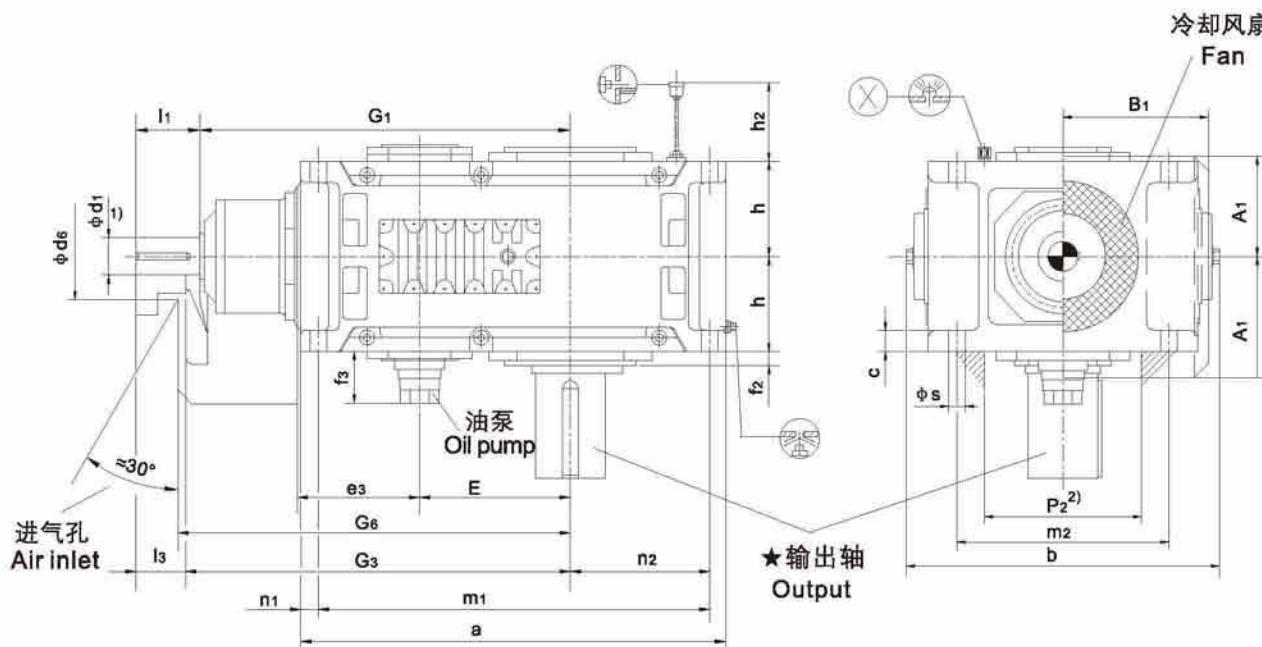
两级传动 立式安装

类型 JRHB2.V 规格 13-18

Bevel-helical gear units
Two Stage Vertical
Type JRHB2.V Sizes 13-18

JRHB2SV JRHB2HV JRHB2DV

采用强制润滑 Forced lubrication



★输出轴 / Output			布置形式 / Design
JRHB2SV 实心轴 Solid shaft	JRHB2HV 空心轴 Hollow shaft	JRHB2DV 带胀紧盘的空心轴 Hollow shaft for shrink disk	
<p>尺寸: G2, l2, φd2¹⁾</p>	<p>尺寸: G4, φD2^{H7}¹⁾</p>	<p>尺寸: G4, G5, φD3^{H7}, φD4, Output</p> <p>布置形式A+D根据用户要求供货 A, D designs on request</p>	
1) $m6 \leq \phi 100; n6 > \phi 100$ 平键槽、轮毂键槽、平键和中心孔的具体尺寸，见第80-81页		1) $m6 \leq \phi 100; n6 > \phi 100$ Keyway, Hubkeyway, Parallel key, see pages 80-81.	
2) 油泵、油管和护盖所需的空间尺寸，欲了解精确尺寸，请与我们联系。		2) Space for pump, pipes and cover; for exact dimensions, Please refer to us.	

- 1) $m6 \leq \phi 100; n6 > \phi 100$
平键槽、轮毂键槽、平键和中心孔的具体尺寸，见第80-81页
- 2) 油泵、油管和护盖所需的空间尺寸，欲了解精确尺寸，请与我们联系。

- 1) $m6 \leq \phi 100; n6 > \phi 100$
Keyway, Hubkeyway, Parallel key, see pages 80-81.
- 2) Space for pump, pipes and cover; for exact dimensions, Please refer to us.

直交轴齿轮箱

Bevel-helical gear units

两级传动 立式安装

Two Stage Vertical

类型 JRHB2.V 规格 13-18

Type JRHB2.V Sizes 13-18

规格 Size	尺寸/Dimension mm																
	输入轴/Input																
	i _N =5-11.2			i _N =5.6-11.2			i _N =5.6-12.5			i _N =6.3-14			i _N =7.1-12.5			G ₁	G ₃
13	110	205	165													1070	1110
14										110	205	165				1140	1180
15	130	245	200													1277	1322
16							130	245	200							1323	1368
17				150	245	200										1435	1480
18													150	245	200	1495	1540

规格 Size	尺寸/Dimension mm									
	齿轮箱/Gear Units									
	a	A ₁	b	B ₁	c	d ₆	e ₃	E	f ₂	f ₃
13	1130	375	900	450	61±2	245	380	370	38	200
14	1270	375	900	450	61±2	245	380	440	45	200
15	1350	435	980	495	72±2	280	450	442	75	200
16	1440	435	980	495	72±2	280	450	488	75	200
17	1490	505	1110	555	81±2	380	510	490	98	200
18	1610	505	1110	555	81±2	380	510	550	98	200

规格 Size	尺寸/Dimension mm								
	齿轮箱/Gear Units								
	G ₆	h	h ₂	m ₁	m ₂	n ₁	n ₂	p ₂	s
13	1130	325	350	1035	680	50	360	500	48
14	1200	325	350	1175	680	50	430	500	48
15	1340	380	430	1235	750	60	430	570	55
16	1385	380	430	1325	750	60	475	570	55
17	1500	437.5	480	1360	840	70	465	630	65
18	1560	437.5	480	1480	840	70	525	630	65

规格 Size	尺寸/Dimension mm									润滑油/Oil (L)	重量 Weight (kg)		
	输出轴/Output												
	d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅				
13	200	390	350	-	-	-	-	-	-	100	2397		
14	210	390	350	210	390	210	215	390	535	110	2779		
15	230	460	410	-	-	-	-	-	-	145	3870		
16	240	460	410	240	450	240	245	450	620	160	4243		
17	250	540	410	-	-	-	-	-	-	210	5426		
18	270	540	470	275	510	280	285	510	700	220	5977		

直交轴齿轮箱

三级传动 立式安装

类型 JRHB3.V 规格 5-12

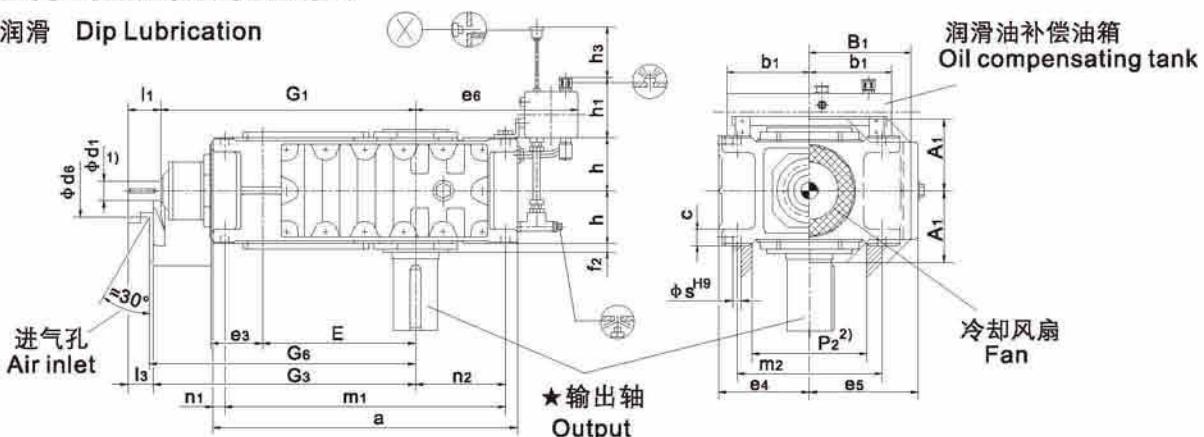
Bevel-helical gear units

Three Stage Vertical

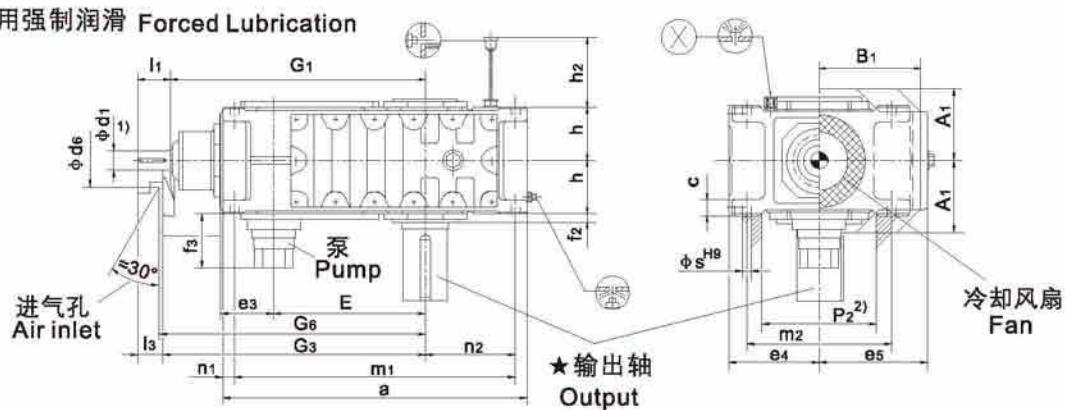
Type JRHB3.V Sizes 5-12


JRHB3SV JRHB3HV JRHB3DV

浸油润滑 Dip Lubrication


JRHB3SV JRHB3HV JRHB3DV

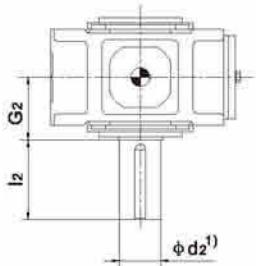
采用强制润滑 Forced Lubrication

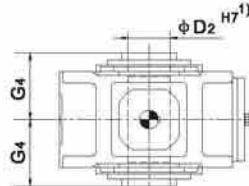


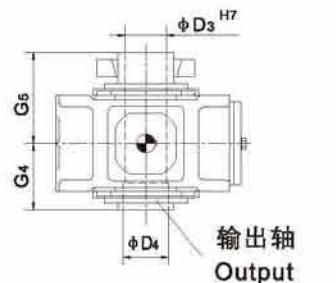
★输出轴 / Output

布置形式 / Design

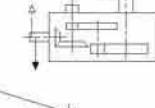
JRHB3SV

 实心轴
Solid shaft

JRHB3HV

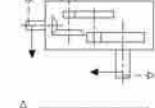
 空心轴
Hollow shaft

JRHB3DV

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

 布置形式A+D根据用户要求供货
A, D designs on request

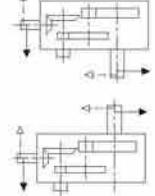
 A
泵
Pump

B


C



D



1) m6 ≤ φ100; n6 > φ100
平键槽、轮毂键槽、平键和中心孔的具体尺寸，见第80-81页

2) 油泵、油管和护盖所需的空间尺寸，欲了解精确尺寸，请与我们联系。

1)m6≤φ100;n6>φ100

Keyway, Hubkeyway, Parallel key, see pages 80-81.

2) Space for pump, pipes and cover; for exact dimensions, Please refer to us.

直交轴齿轮箱

Bevel-helical gear units

三级传动 立式安装

Three Stage Vertical

类型 JRHB3.V 规格 5-12

Type JRHB3.V Sizes 5-12

规格 Size	尺寸/Dimension mm																
	输入轴/Input																
	i _N =12.5-45			i _N =16-56			i _N =20-45			i _N =50-71			i _N =63-90			G ₁	G ₃
5	35	80	60							28	60	40				575	595
6				35	80	60							28	60	40	610	630
7	45	100	80							35	80	60				690	710
8				45	100	80							35	80	60	735	755
9	55	110	80							40	100	70				800	830
10				55	110	80							40	100	70	850	880
11	70	135	105							50	110	80				960	990
12				70	135	105							50	110	80	1030	1060

规格 Size	尺寸/Dimension mm											
	齿轮箱/Gear Units											
	a	A ₁	b ₁	B ₁	c	d ₈	e ₃	e ₄	e ₅	e ₆	E	f ₂
5	640	168	240	235	30±1	130	130	230	252	385	315	28
6	720	168	240	235	30±1	130	130	230	252	425	350	28
7	785	193	240	275	36±1	165	160	280	292	425	385	30
8	890	193	240	275	36±1	165	160	280	302	485	430	32
9	925	231	330	325	45±1.5	175	185	320	342	560	450	32
10	1025	231	330	325	45±1.5	175	185	320	342	610	500	32
11	1105	263	330	385	54±1.5	190	225	380	402	595	545	35
12	1260	263	330	385	54±1.5	190	225	380	410	680	615	35

规格 Size	尺寸/Dimension mm											
	齿轮箱/Gear Units											
	f ₃	G ₆	h	h ₁	h ₂	h ₃	m ₁	m ₂	n ₁	n ₂	p ₂	s
5	190	605	127.5	205	180	240	580	360	30	175	270	24
6	190	640	127.5	205	180	240	660	360	30	220	270	24
7	190	720	150	205	165	250	715	430	35	215	330	28
8	190	765	150	205	165	250	820	430	35	275	330	28
9	180	845	185	275	205	330	845	490	40	260	370	36
10	180	895	185	275	205	330	945	490	40	310	370	36
11	180	1010	215	275	240	340	1005	600	50	295	440	40
12	180	1080	215	275	240	340	1160	600	50	380	440	40

规格 Size	尺寸/Dimension mm									润滑油/Oil		重量 Weight (kg)	
	输出轴/Output									浸油润滑 (L) Dip lubrication (L)	强制润滑 (L) Forced lubrication (L)		
	JRHB3SV			JRHB3HV			JRHB3DV						
d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅	32	12	331		
5	100	165	210	95	165	100	100	165	240	35	13	387	
6	110	165	210	105	165	110	110	165	240	52	22	561	
7	120	195	210	115	195	120	120	195	285	67	28	647	
8	130	195	250	125	195	130	130	195	285	115	48	907	
9	140	235	250	135	235	140	145	235	330	125	52	1040	
10	160	235	300	150	235	150	155	235	350	180	75	1484	
11	170	270	300	165	270	165	170	270	400	200	85	1764	
12	180	270	300	180	270	180	185	270	405				

直交轴齿轮箱

三级传动 立式安装

类型 JRHB3.V 规格 13-18

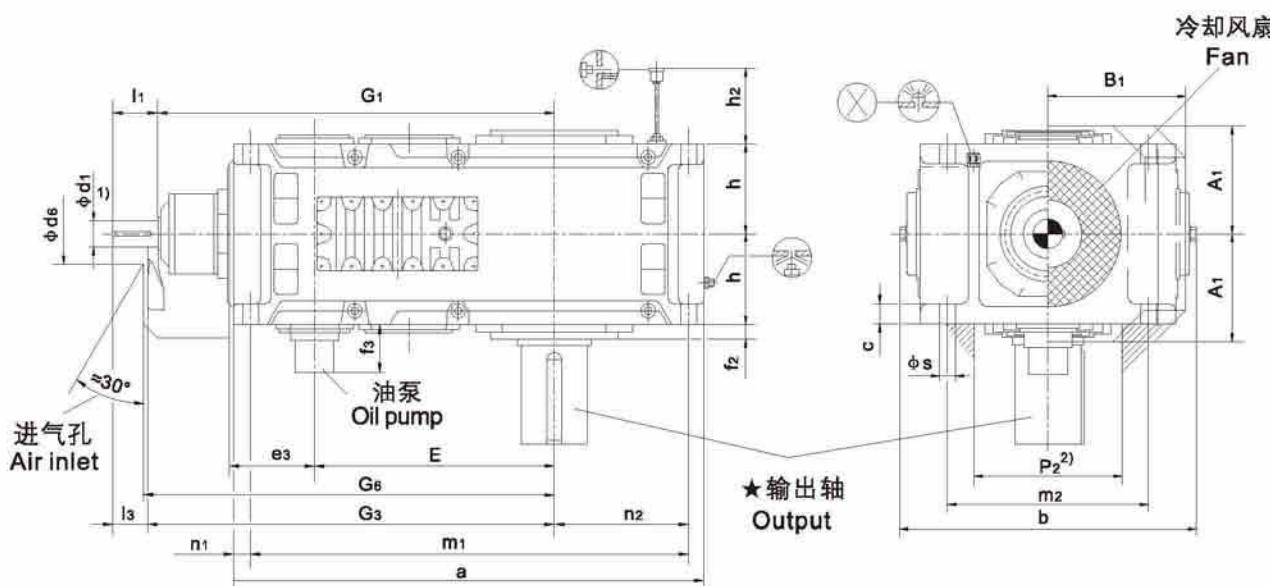
Bevel-helical gear Units

Three Stage Vertical

Type JRHB3.V Sizes 13-18


JRHB3SV JRHB3HV JRHB3DV

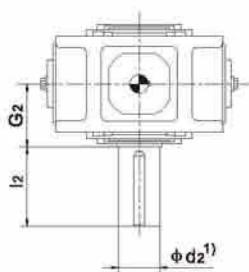
采用强制润滑 Forced lubrication

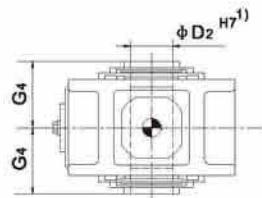


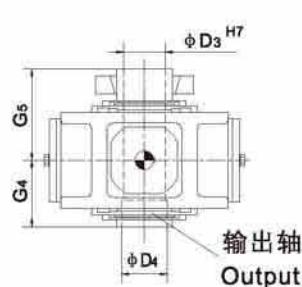
★ 输出轴 / Output

布置形式 / Design

JRHB3SV

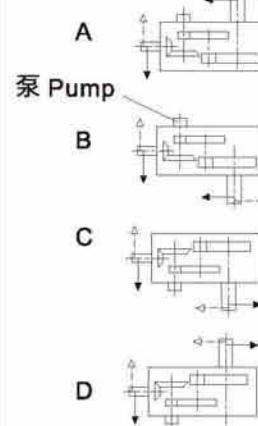
 实心轴
Solid shaft

JRHB3HV

 空心轴
Hollow shaft

JRHB3DV

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


A + D 根据用户要求供货

A、D designs on request


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

 平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页

 2) 油泵、油管和护盖所需的空间尺寸，欲了解
精确尺寸，请与我们联系。

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

Keyway, Hubkeyway, Parallel key, see pages 80-81.

 2) Space for pump, pipes and cover; for exact dimensions,
Please refer to us.

直交轴齿轮箱

Bevel-helical gear units

三级传动 立式安装

Three Stage Vertical

类型 JRHB3.V 规格 13-18

Type JRHB3.V Sizes 13-18

规格 Size	尺寸/Dimension mm																					
	输入轴/Input																					
	iN=12.5-45			iN=14-50			iN=16-56			iN=50-71			iN=56-80			iN=63-90			G ₁	G ₃		
	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃				
13	80	165	130							60	140	105							1125	1160		
14							80	165	130									60	140	105	1195	1230
15	90	165	130							70	140	105								1367	1402	
16				90	165	130							70	140	105					1413	1448	
17	110	205	135							80	170	130								1560	1600	
18				110	205	165							80	170	130					1620	1660	

规格 Size	尺寸/Dimension mm									
	齿轮箱/Gear Units									
	a	A ₁	b	B ₁	c	d ₆	e ₃	E	f ₂	f ₃
13	1290	325	900	475	61±2	210	265	635	35	170
14	1430	325	900	475	61±2	210	265	705	35	170
15	1550	365	980	520	72±2	210	320	762	42	170
16	1640	365	980	520	72±2	210	320	808	42	170
17	1740	395	1110	570	81±2	230	370	860	42	170
18	1860	395	1110	570	81±2	230	370	920	42	170

规格 Size	尺寸/Dimension mm									
	齿轮箱/Gear Units									
	G ₆	h	h ₂	m ₁	m ₂	n ₁	n ₂	p ₂	s	
13	1180	272.5	300	1195	680	50	360	500	48	
14	1250	272.5	300	1335	680	50	430	500	48	
15	1420	310	340	1435	750	60	430	570	55	
16	1470	310	340	1525	750	60	475	570	55	
17	1620	340	380	1610	850	70	465	630	55	
18	1680	340	380	1730	850	70	525	630	55	

规格 Size	尺寸/Dimension mm									润滑油/Oil (L)	重量/Weight (kg)		
	输出轴/Output												
	d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅				
13	200	335	350	190	335	190	195	335	480	95	2305		
14	210	335	350	210	335	210	215	335	480	110	2667		
15	230	380	410	230	380	230	235	380	550	165	3610		
16	240	380	410	240	380	240	245	380	550	190	3840		
17	250	415	410	250	415	250	260	415	600	210	4855		
18	270	415	470	275	415	280	285	415	600	240	5344		



直交轴齿轮箱

四级传动 立式安装

类型 JRHB4.V 规格 5-12

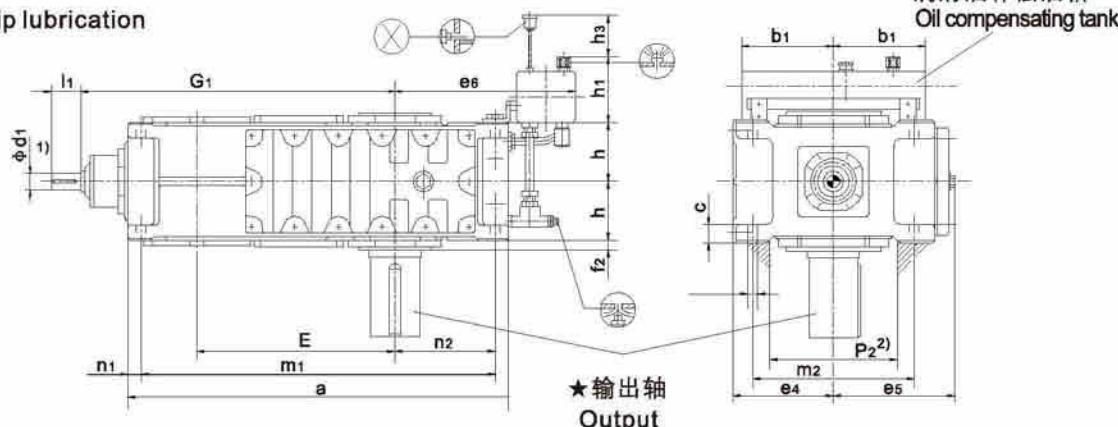
Bevel-helical gear units

Four Stage Vertical

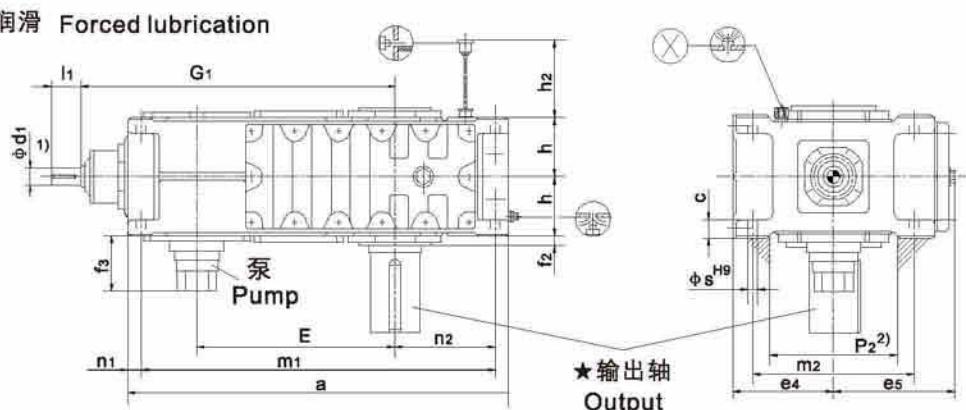
Type JRHB4.V Sizes 5-12

**JRHB4SV JRHB4HV JRHB4DV**

浸油润滑 Dip lubrication

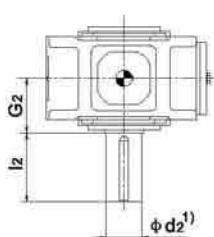
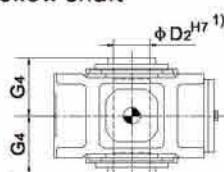
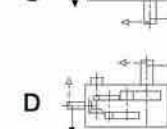
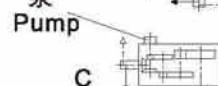
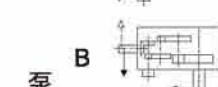
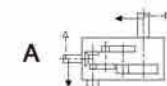
**JRHB4SV JRHB4HV JRHB4DV**

采用强制润滑 Forced lubrication



★ 输出轴 / Output

布置形式 / Design

JRHB4SV实心轴
Solid shaft**JRHB4HV**空心轴
Hollow shaft**JRHB4DV**带胀紧盘的空心轴
Hollow shaft for shrink disk布置形式A+D根据用户要求供货
A, D designs on request

1) $m6 \leq \phi 100$; $n6 > \phi 100$
平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页

2) 油泵、油管和护盖所需的空间尺寸，欲了解
精确尺寸，请与我们联系。

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

Keyway, Hubkeyway, Parallel key, see pages 80-81.

2) Space for pump, pipes and cover; for exact dimensions,
Please refer to us.



直交轴齿轮箱

四级传动 立式安装

类型 JRHB4.V 规格 5-12

Bevel-helical gear units

Four Stage Vertical

Type JRHB4.V Sizes 5-12

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

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

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

规格 Size	尺寸/Dimension mm								润滑油/Oil		重量 Weight (kg)	
	输出轴/Output								浸油润滑 (L) Dip lubrication (L)	强制润滑 (L) Forced lubrication (L)		
	JRHB4SV			JRHB4HV		JRHB4DV						
d2	G2	l2	D2	G4	D3	D4	G4	G5				
5	100	165	210	95	165	100	100	165	240	36	15	
6	110	165	210	105	165	110	110	165	240	40	16	
7	120	195	210	115	195	120	120	195	280	60	30	
8	130	195	250	125	195	130	130	195	285	70	35	
9	140	235	250	135	235	140	145	235	330	110	60	
10	160	235	300	150	235	150	155	235	350	130	67	
11	170	270	300	165	270	165	170	270	400	180	75	
12	180	270	300	180	270	180	185	270	405	195	85	

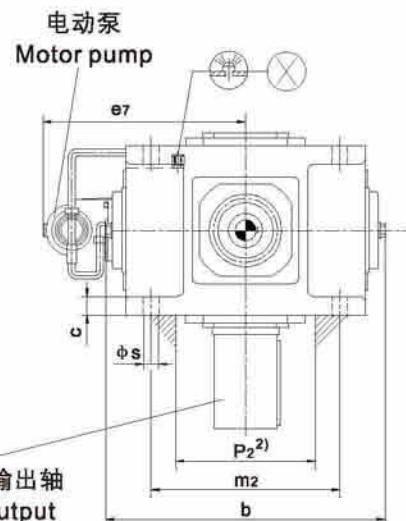
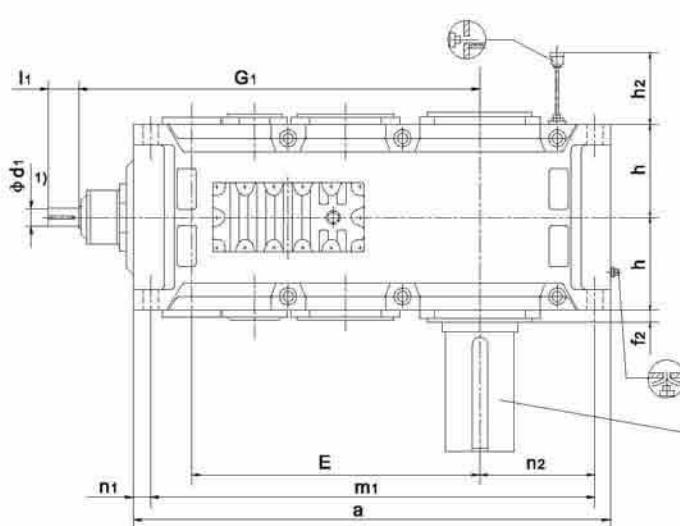
直交轴齿轮箱

四级传动 立式安装

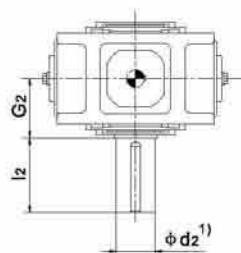
类型 JRHB4.V 规格 13-18

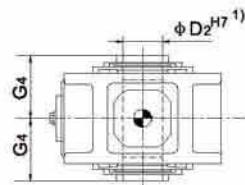
Bevel-helical gear units
Four Stage Vertical
Type JRHB4.V Sizes 13-18
JRHB4SV JRHB4HV JRHB4DV

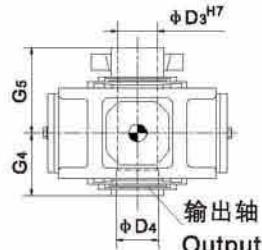
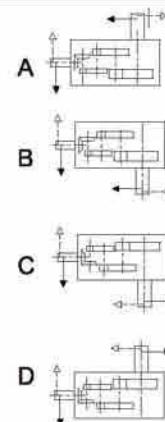
浸油润滑 Dip lubrication


 ★输出轴
Output

★输出轴 / Output
布置形式 / Design
JRHB4SV

 实心轴
Solid shaft

JRHB4HV

 空心轴
Hollow shaft

JRHB4DV

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

 输出轴
Output
布置形式A+D根据用户要求供货
A, D designs on request

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

 平键槽、轮毂键槽、平键和中心孔的具体尺寸，
见第80-81页

 2) 油泵、油管和护盖所需的空间尺寸，欲了解
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Keyway, Hubkeyway, Parallel key, see pages 80-81.

 2) Space for pump, pipes and cover; for exact dimensions,
Please refer to us.

直交轴齿轮箱



四级传动 立式安装



类型 JRHB4.V 规格 13-18

Bevel-helical gear units

Four Stage Vertical

Type JRHB4.V Sizes 13-18



规格 Size	尺寸/Dimension mm												
	输入轴/Input												
	iN=80-180		iN=90-200		iN=100-224		iN=200-315		iN=224-355		iN=250-450		
d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	G1	
13	55	110					40	100				1170	
14					55	110					40	100	1240
15	70	135					50	110				1402	
16			70	135					50	110		1448	
17	70	135					50	110				1450	
18			70	135					50	110		1510	

规格 Size	尺寸/Dimension mm													
	齿轮箱/Gear Units													
	a	b	c	e ₇	E	f ₂	h	h ₂	m ₁	m ₂	n ₁	n ₂	p ₂	s
13	1395	900	61±2	695	820	35	272.5	300	1300	680	50	360	500	48
14	1535	900	61±2	695	890	35	272.5	300	1440	680	50	430	500	48
15	1680	980	72±2	735	987	42	310	340	1565	750	60	430	570	55
16	1770	980	72±2	735	1033	42	310	340	1655	750	60	475	570	55
17	1770	1110	81±2	795	1035	42	340	374	1640	850	70	465	630	55
18	1890	1110	81±2	795	1095	42	340	374	1760	850	70	525	630	55

JRH

工业齿轮箱
Series Industry Gear Units

规格 Size	尺寸/Dimension mm									润滑油/Oil (L)	重量 Weight (kg)		
	输出轴/Output												
	JRHB4SV			JRHB4HV			JRHB4DV						
d ₂	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅					
13	200	335	350	190	335	190	195	335	480	130	2325		
14	210	335	350	210	335	210	215	335	480	150	2657		
15	230	380	410	230	380	230	235	380	550	200	3503		
16	240	380	410	240	380	240	245	380	550	235	3840		
17	250	415	410	250	415	250	260	415	600	215	4549		
18	270	415	470	275	415	280	285	415	600	250	5028		

齿轮箱

DS型轴端中心孔

按照 DIN 332/1 标准

Gear Units

Centre Holes, Form DS On Shaft Ends

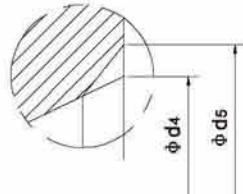
Acc.to DIN 332/1



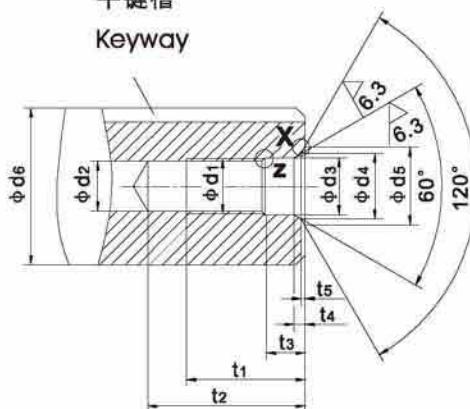
DS 型中心孔
带护锥沉孔的螺纹孔

Form DS
Tapped hole, with straight running
face and counterbore

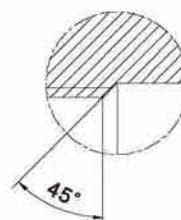
"X" 局部放大
Detail "X"



平键槽
Keyway



"Z" 局部放大
Detail "Z"



推荐直径 Recommended diameters d_6 ¹⁾		DS 型 / Form DS											
大于 above	至 to	DS 型 中心孔 Centering	d_1 ²⁾	d_2 ²⁾	d_3	d_4	d_5	t_1 +2	t_2 min.	t_2 max.	t_3 +1	t_4 \approx	t_5 \approx
16	21	DS 6	M6	5	6.4	9.6	10.5	16	20	22	5	2.8	0.4
21	24	DS 8	M8	6.8	8.4	12.2	13.2	19	25	28	6	3.3	0.4
24	30	DS 10	M10	8.5	10.5	14.9	16.3	22	30	34	7.5	3.8	0.6
30	38	DS 12	M12	10.2	13	18.1	19.8	28	37	42	9.5	4.4	0.7
38	50	DS 16	M16	14	17	23	25.3	36	45	50	12	5.2	1.0
50	85	DS 20	M20	17.5	21	28.4	31.3	42	53	59	15	6.4	1.3
85	130	DS 24	M24	21	25	34.2	38	50	63	68	18	8	1.6
130*	225*	DS 30	M 30*	26.5	31	44	48	60	77	83	17	11	1.9
225*	320*	DS 36	M36*	32	37	55	60	74	93	99	22	15	2.3
320*	500*	DS 42	M42*	37.5	43	65	71	84	105	111	26	19	2.7

1) 工件加工后最终尺寸

2) 螺孔攻丝钻头直径按照DIN336第1分部确定

*) 不是按照DIN332确定的尺寸

1) Diameter of the finished work piece

2) Drill diameters for tapping-size holes acc.to DIN 336Pt.1

*) Dimensions not acc.to DIN332

齿轮箱

ISO 配合精度的选择

平键和键槽

Gear Units

Selection of ISO Fits

Parallel Keys and Keyways

ISO 配合精度的选择 / Selection of ISO Fits

ISO 配合精度的选择 Selection of ISO fits	轴/Shaft d		轴公差 Shaft tolerance	孔公差 Bore tolerance
	大于 above mm	至 to mm		
轴公差按照JIE标准 Shaft tolerance acc.to JIE standard		25	k6	H7
	25	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。

为此，用户应给出相关信息。

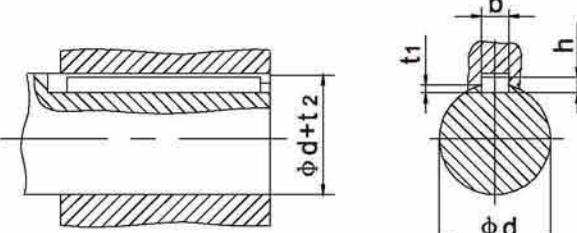
For heavy-duty Operating conditions, e.g. reversing under load, it is recommended that a tighter fit and for the hub keyway width the ISO P9 tolerance is selected.

In this case, the customer should give the relevant information.

平键 / Parallel keys

平键紧固方式，采用无锥度连接 Drive type fastening without taper action	平行键 / Parallel keys					
	直径 Diameter d	宽度 Width b	高度 Height h	轴键槽深度 Depth of keyway in shaft t ₁	轮毂键槽深度 Depth of keyway in hub d + t ₂	DIN 6885/1
大于 above mm	至 to mm	mm	mm	mm	mm	
17	22	6	6	3.5	d+2.8	
22	30	8	7	4	d+3.3	
30	38	10	8	5	d+3.3	
38	44	12	8	5	d+3.3	
44	50	14	9	5.5	d+3.8	
50	58	16	10	6	d+4.3	
58	65	18	11	7	d+4.4	
65	75	20	12	7.5	d+4.9	
75	85	22	14	9	d+5.4	
85	95	25	14	9	d+5.4	
95	110	28	16	10	d+6.4	
110	130	32	18	11	d+7.4	
130	150	36	20	12	d+8.4	
150	170	40	22	13	d+9.4	
170	200	45	25	15	d+10.4	
200	230	50	28	17	d+11.4	
230	260	56	32	20	d+12.4	
260	290	63	32	20	d+12.4	
290	330	70	36	22	d+14.4	
330	380	80	40	25	d+15.4	
380	440	90	45	28	d+17.4	

- 重载工作条件下轮毂平键键槽宽度 b 的公差带应按 ISO JS9或ISO P9确定。
- The tolerance zone for the hub keyway width b for parallel keys is ISO JS9, or ISO P9 for heavy-duty operating conditions.



齿轮箱

带平键联接的空心轴

类型 JRHH2, JRHH3, JRHH4, JRHB3, JRHB4

规格 5-18

Gear Units

Hollow Shafts for Parallel Key Connections

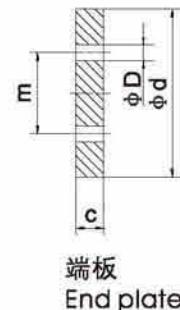
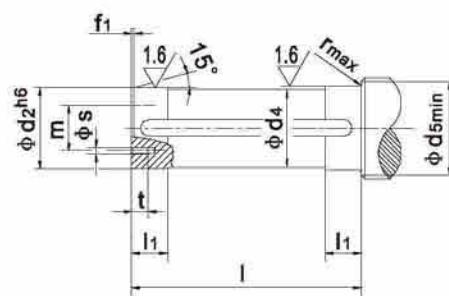
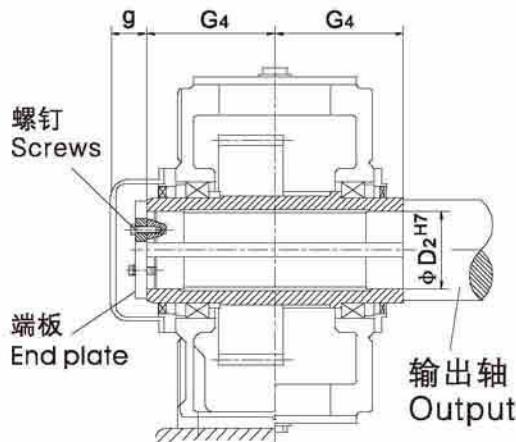
Types JRHH2, JRHH3, JRHH4, JRHB3, JRHB4

Sizes 5-18



带平键联接的工作机驱动轴。键槽尺寸根据DIN 6885/1 确定。

Driven machine shaft for parallel key connection keyway acc.to DIN 6885/1



端板
End plate

类型/Types JRHH2H、JRHH3H、JRHH4H、JRHB3H、JRHB4H

齿轮箱 规格 Gear units size	工作机驱动轴 Driven machine shaft										端板 End plate				螺钉 Screw		空心轴 Hollow shaft		
	d ₂	d ₄	d ₆	f ₁	l	l ₁	r	s	t	c	D	d	m	规格 Size	数量 Qty	D ₂	G ₄	g	
5	95	94.5	105	5	328	40	1.6	M10	18	10	11	120	70	M10X25	2	95	165	40	
6	105	104.5	116	5	328	45	1.6	M10	18	10	11	120	70	M10X25	2	105	165	40	
7	115	114.5	126	5	388	50	1.6	M12	20	12	13.5	140	80	M12X30	2	115	195	40	
8	125	124.5	136	6	388	55	2.5	M12	20	12	13.5	150	85	M12X30	2	125	195	40	
9	135	134.5	147	6	467	60	2.5	M12	20	12	13.5	150	90	M12X30	2	135	235	45	
10	150	149.5	162	6	467	65	2.5	M12	20	12	13.5	185	110	M12X30	2	150	235	45	
11	165	164.5	177	7	537	70	2.5	M16	28	15	17.5	195	120	M16X40	2	165	270	45	
12	180	179.5	192	7	537	75	2.5	M16	28	15	17.5	220	130	M16X40	2	180	270	45	
13	190	189.5	206	7	667	80	3	M16	28	18	17.5	230	140	M16X40	2	190	335	45	
14	210	209.5	226	8	667	85	3	M16	28	18	17.5	250	160	M16X40	2	210	335	45	
15	230	229.5	248	8	756	100	3	M20	38	25	22	270	180	M20X55	4	230	380	60	
16	240	239.5	258	8	756	100	3	M20	38	25	22	280	180	M20X55	4	240	380	60	
17	250	249.5	270	8	826	110	4	M20	38	25	22	300	190	M20X55	4	250	415	60	
18	275	274.5	295	9	826	120	4	M20	38	25	22	330	210	M20X55	4	275	415	60	

齿轮箱



带平键联接的空心轴



类型 JRHB2



规格 5-18

Gear Units

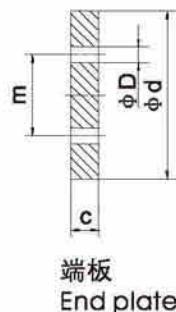
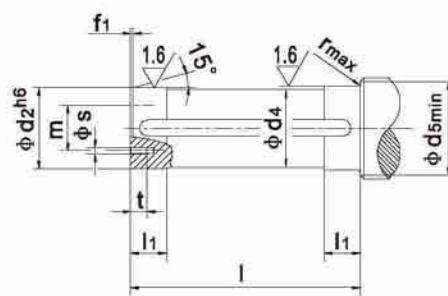
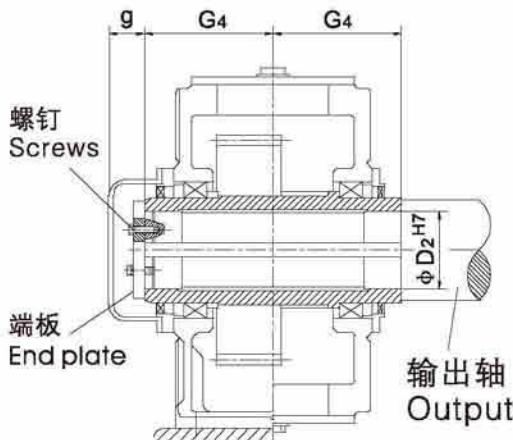
Hollow Shafts for Parallel Key Connections

Types JRHB2

Sizes 5-18

带平键联接的工作机驱动轴。键槽尺寸根据DIN 6885/1 确定。

Driven machine shaft for parallel key connection keyway acc.to DIN 6885/1



类型/Type JRHB2H

齿轮箱 规格 Gear units size	工作机驱动轴 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	m	规格 Size	数量 Qty	D_2	G_4	g
5	95	94.5	105	5	398	40	1.6	M10	18	10	11	120	70	M10X25	2	95	200	40
6	105	104.5	116	5	398	45	1.6	M10	18	10	11	120	70	M10X25	2	105	200	40
7	115	114.5	126	5	468	50	1.6	M12	20	12	13.5	140	80	M12X30	2	115	235	40
8	125	124.5	136	6	468	55	2.5	M12	20	12	13.5	150	85	M12X30	2	125	235	40
9	135	134.5	147	6	537	60	2.5	M12	20	12	13.5	150	90	M12X30	2	135	270	45
10	150	149.5	162	6	537	65	2.5	M12	20	12	13.5	185	110	M12X30	2	150	270	45
11	165	164.5	177	7	637	70	2.5	M16	28	15	17.5	195	120	M16X40	2	165	320	45
12	180	179.5	192	7	637	75	2.5	M16	28	15	17.5	220	130	M16X40	2	180	320	45
14	210	209.5	226	8	777	85	3	M16	28	18	17.5	250	160	M16X40	2	210	390	45
16	240	239.5	258	8	896	100	3	M20	38	25	22	280	180	M20X55	4	240	450	60
18	275	274.5	295	9	1016	120	4	M20	38	25	22	330	210	M20X55	4	275	510	60

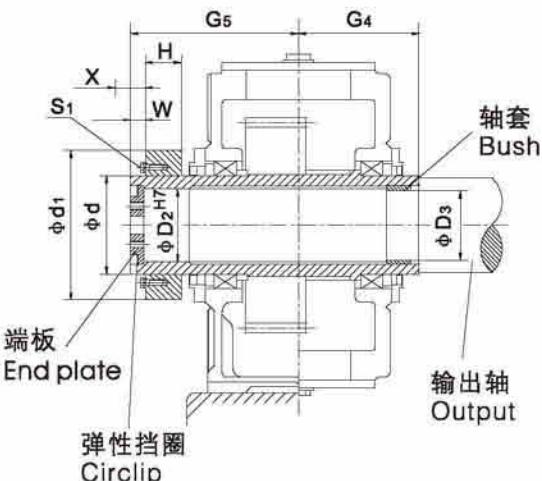
齿轮箱

带胀紧盘联接的空心轴

类型 JRHH2, JRHH3, JRHH4, JRHB3, JRHB4

规格 5-20

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



Gear Units

Hollow Shfts for Shrink Disks

Types JRHH2, JRHH3, JRHH4, JRHB3, JRHB4

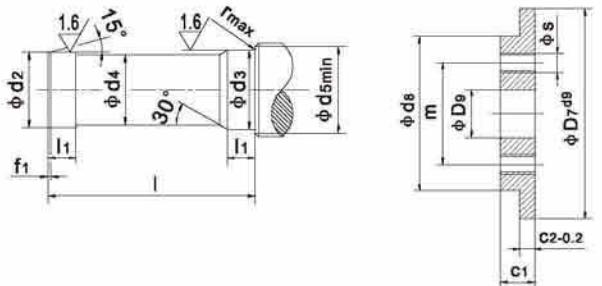
Sizes 5-20

用于胀紧盘联接的工作机驱动轴

工作机驱动轴表面不得沾有机油或润滑油

Driven machine shaft for shrink disk connection.

Driven machine shaft must be free of oil or grease



端板
End plate

类型 / Types JRHH2D, JRHH3D, JRHH4D, JRHB3D, JRHB4D																											
齿轮箱 规格 Gear units size	工作机驱动轴 Driven machine shaft								端板 End plate								弹性挡圈 Circlip	空心轴 Hollow shaft				胀紧盘 Shrink disk				螺钉 Screw	
	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		D ₂	D ₃	G ₄	G ₅	类型 Type	d	d ₁	H	W	
	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	D ₂	D ₃	G ₄	G ₅	类型 Type	d	d ₁	H	W	S ₁	
5	100g6	100h6	99.5	114	5	383	53	2	20	8	105	80	26	55	M10	2	105x4	100	100	165	240	125-32	125	215	53	20	M12
6	110g6	110h6	109.5	124	5	383	58	3	20	8	115	85	26	60	M10	2	115x4	110	110	165	240	140-32	140	230	58	20	M14
7	120g6	120h6	119.5	134	5	453	68	3	20	8	125	90	26	65	M12	2	125x4	120	120	195	280	155-32	155	263	62	23	M14
8	130g6	130h6	129.5	145	6	458	73	3	20	8	135	100	26	70	M12	2	135x4	130	130	195	285	165-32	165	290	68	23	M16
9	140g6	145m6	139.5	160	6	539	82	4	23	10	150	110	33	80	M12	2	150x4	140	145	235	330	175-32	175	300	68	28	M16
10	150g6	155m6	149.5	170	6	559	92	4	23	10	160	120	33	90	M12	2	160x4	150	155	235	350	200-32	200	340	85	28	M16
11	165f6	170m6	164.5	185	7	644	112	4	23	10	175	130	33	90	M12	2	175x4	165	170	270	400	220-32	220	370	103	30	M20
12	180f6	185m6	179.5	200	7	649	122	4	23	10	190	140	33	100	M16	2	190x4	180	185	270	405	240-32	240	405	107	30	M20
13	190f6	195m6	189.5	213	7	789	137	5	23	10	200	150	33	110	M16	2	200x4	190	195	335	480	260-32	260	430	119	30	M20
14	210f6	215m6	209.5	233	8	784	147	5	28	14	220	170	33	130	M16	2	220x5	210	215	335	480	280-32	280	460	132	30	M20
15	230f6	235m6	229.5	253	8	899	157	5	28	14	240	180	39	140	M16	2	240x5	230	235	380	550	300-32	300	485	140	35	M24
16	240f6	245m6	239.5	263	8	899	157	5	28	14	250	190	39	150	M20	2	250x5	240	245	380	550	320-32	320	520	140	35	M24
17	250f6	260m6	249.5	278	8	982	177	5	30	14	265	200	39	150	M20	2	265x5	250	260	415	600	340-32	340	570	155	35	M24
18	280f6	285m6	279.5	306	9	982	177	5	30	14	290	210	39	160	M20	2	290x5	280	285	415	600	360-32	360	590	162	35	M24
19	285f6	295m6	284.5	316	9	1100	187	5	32	15	300	220	39	170	M24	2	300x5	285	295	465	670	380-32	380	640	166	40	M27
20	310f6	315m6	309.5	336	9	1100	187	5	32	15	320	230	39	180	M24	2	320x6	310	315	465	670	390-32	390	650	166	40	M27

1) 胀紧盘不在我们的供货范围之内。如有需要的话, 请另行订货

1) Shrink disk does not belong to our scope of supply.
Please order separately, if required.

齿轮箱



带胀紧盘联接的空心轴

类型 JRHB2



规格 5-18

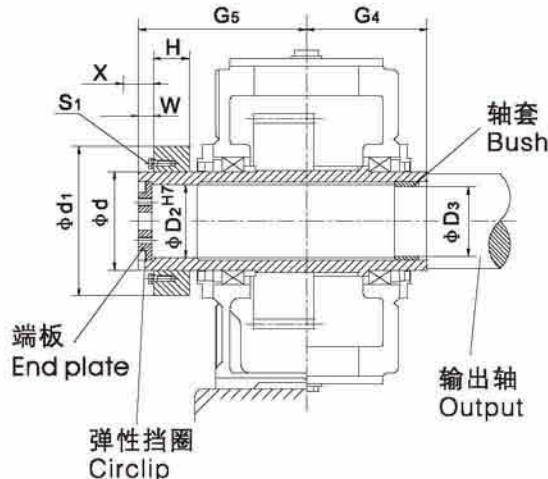
Gear Units

Hollow Shfts for Shrink Disks

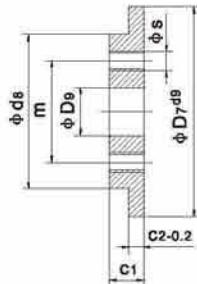
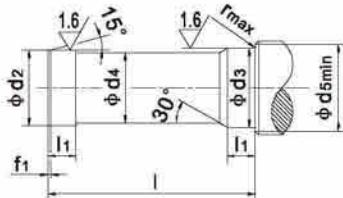
Types JRHB2

Sizes 5-18

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



用于胀紧盘联接的工作机驱动轴
工作机驱动轴表面不得沾有机油或润滑油
Driven machine shaft for shrink disk connection.
Driven machine shaft must be free of oil or grease



端板
End plate

类型 / Type JRHB2D

齿轮箱 Gear units size	工作机驱动轴 Driven machine shaft								端板 End plate								弹性 挡圈 Circlip DIN 472	空心轴 Hollow shaft				胀紧盘 Shrink disk				螺钉 Screw S1	
	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		D ₂	D ₃	G ₄	G ₅	类型 Type	d	d ₁	H	W	
5	100g6	100h6	99.5	114	5	453	53	2	20	8	105	80	26	55	M10	2	105x4	100	100	200	275	125-32	125	215	53	20	M12
6	110g6	110h6	109.5	124	5	453	58	3	20	8	115	85	26	60	M10	2	115x4	110	110	200	275	140-32	140	230	58	20	M14
7	120g6	120h6	119.5	134	5	533	68	3	20	8	125	90	26	65	M12	2	125x4	120	120	235	320	155-32	155	263	62	23	M14
8	130g6	130h6	129.5	145	6	538	73	3	20	8	135	100	26	70	M12	2	135x4	130	130	235	325	165-32	165	290	68	23	M16
9	140g6	145m6	139.5	160	6	609	82	4	23	10	150	110	33	80	M12	2	150x4	140	140	270	365	175-32	175	300	68	28	M16
10	150g6	155m6	149.5	170	6	629	92	4	23	10	160	120	33	90	M12	2	160x4	150	155	270	385	200-32	200	340	85	28	M16
11	165f6	170m6	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
12	180f6	185m6	179.5	200	7	749	122	4	23	10	190	140	33	100	M16	2	190x4	180	185	320	455	240-32	240	405	107	30	M20
14	210f6	215m6	209.5	233	8	894	147	5	28	14	220	170	33	130	M16	2	220x5	210	215	390	535	280-32	280	460	132	30	M20
16	240f6	245m6	239.5	263	8	1039	157	5	28	14	250	190	39	150	M20	2	250x5	240	245	450	620	320-32	320	520	140	35	M24
18	280f6	285m6	279.5	306	9	1177	177	5	30	14	290	210	39	160	M20	2	290x5	280	285	510	700	360-32	360	590	162	35	M24

1) 胀紧盘不在我们的供货范围之内。如有需要的话, 请另行订货

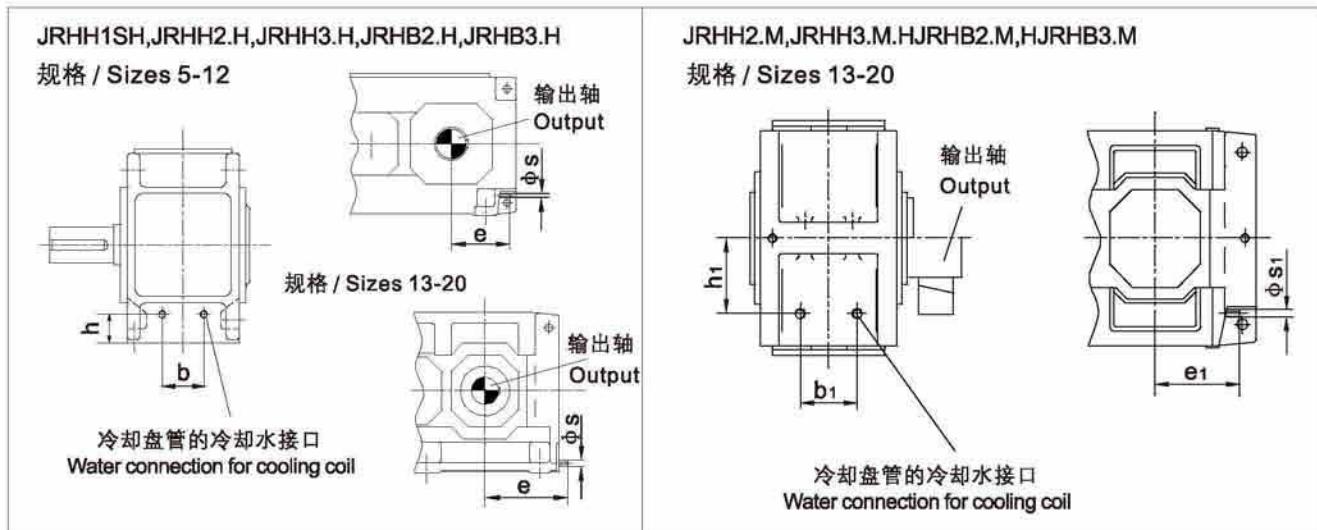
1) Shrink disk does not belong to our scope of supply.
Please order separately, if required.



齿轮箱 冷却盘管 卧式安装

类型JRHH..H,JRHH..M,JRHB..H,JRHB..M

规格 5-20



Gear Units Cooling Coils Horizontal Types JRHH..H,JRHH..M,JRHB..H,JRHB..M Sizes 5-20



规格 Size	类型/Type JRHH1SH					类型/Types JRHH2.H/JRHB3.H					类型/Type JRHH3.H					类型/Type JRHB2.H				
	b mm	e mm	h mm	s mm	1)	b mm	e mm	h mm	s mm	1)	b mm	e mm	h mm	s mm	1)	b mm	e mm	h mm	s mm	1)
5	88	270	90	G1/2	4	68	170	64	G1/2	4	70	175	60	G1/2	4	130	175	62	G1/2	8
6	-	-	-	-	-	70	215	68	G1/2	4	70	220	69	G1/2	4	120	220	68	G1/2	4
7	124	310	135	G1/2	4	100	210	83	G1/2	4	80	210	83	G1/2	4	140	210	80	G1/2	8
8	-	-	-	-	-	100	270	83	G1/2	4	80	270	83	G1/2	4	140	270	80	G1/2	4
9	116	365	110	G1/2	8	140	245	110	G1/2	8	150	245	107	G1/2	4	232	245	110	G1/2	8
10	-	-	-	-	-	100	295	95	G1/2	8	90	295	95	G1/2	4	150	295	90	G1/2	8
11	146	425	130	G1/2	8	110	275	95	G1/2	8	200	275	115	G1/2	8	312	275	115	G1/2	8
12	-	-	-	-	-	200	360	109	G1/2	8	200	360	115	G1/2	8	300	360	115	G1/2	8
13	152	480	150	G1/2	8	252	455	116	G1/2	8	252	460	116	G1/2	8	324	460	116	G1/2	8
14	-	-	-	-	-	252	525	116	G1/2	8	252	530	116	G1/2	8	324	530	116	G1/2	8
15	172	560	130	G1/2	8	290	535	119	G1/2	8	290	540	119	G1/2	8	396	540	119	G1/2	8
16	-	-	-	-	-	290	580	119	G1/2	8	290	585	119	G1/2	8	396	585	119	G1/2	8
17	202	600	145	G1/2	8	340	575	134	G1/2	8	300	580	134	G1/2	8	468	580	134	G1/2	8
18	-	-	-	-	-	340	635	134	G1/2	8	300	640	134	G1/2	8	468	640	134	G1/2	8
19-20	根据用户要求供货 On request					根据用户要求供货 On request					根据用户要求供货 On request									

规格 Size	类型/Types JRHH2.M/JRHB3.M					类型/Type JRHH3.M					类型/Type JRHB2.M				
	b, mm	e, mm	h, mm	s, mm	1)	b, mm	e, mm	h, mm	s, mm	1)	b, mm	e, mm	h, mm	s, mm	1)
13	252	335	300	G1/2	8	252	335	300	G1/2	8	324	335	300	G1/2	8
14	252	405	300	G1/2	8	252	405	300	G1/2	8	324	405	300	G1/2	8
15	290	395	335	G1/2	8	290	395	340	G1/2	8	396	390	345	G1/2	8
16	290	440	335	G1/2	8	290	440	340	G1/2	8	396	435	345	G1/2	8
17	340	425	380	G1/2	8	300	425	380	G1/2	8	324	425	395	G1/2	8
18	340	485	380	G1/2	8	300	485	380	G1/2	8	324	485	395	G1/2	8
19-20	根据用户要求供货 On request					根据用户要求供货 On request									

1) 冷却水需要量 (l/min)
冷却盘管适用于淡水、海水和半咸水。

1) Required cooling water quantity (l/min)
Cooling coil suitable for fresh, sea and brackish.

齿轮箱 冷却盘管 立式安装

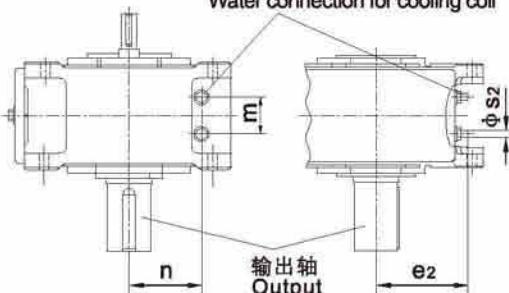
类型 JRHH..V,JRHB..V

规格 5-20



JRHH2.V,JRHH3.V,JRHB2.V,JRHB3.V 规格 / Sizes 5-12

冷却盘管的冷却水接口
Water connection for cooling coil



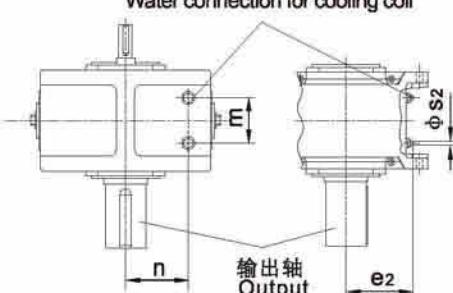
Gear Units Cooling Coils Vertifcal

Types JRHH..V,JRHB..V

Sizes 5-20

JRHH2.V,JRHH3.V,JRHB2.V,JRHB3.V 规格 / Sizes 13-20

冷却盘管的冷却水接口
Water connection for cooling coil



规格 Size	类型 / Types JRHH2.V,JRHB3.V					类型 / Type JRHH3.V					类型 / Type JRHB2.V				
	m mm	n mm	e ₂ mm	s ₂	1)	m mm	n mm	e ₂ mm	s ₂	1)	m mm	n mm	e ₂ mm	s ₂	1)
5	68	166	170	G1/2	4	70	170	175	G1/2	4	130	168	175	G1/2	8
6	70	162	215	G1/2	4	70	161	220	G1/2	4	120	162	220	G1/2	4
7	100	197	210	G1/2	4	80	197	210	G1/2	4	140	200	210	G1/2	8
8	100	197	270	G1/2	4	80	197	270	G1/2	4	140	200	270	G1/2	4
9	140	210	245	G1/2	8	150	213	245	G1/2	4	232	210	245	G1/2	8
10	100	225	295	G1/2	8	90	225	295	G1/2	4	150	230	295	G1/2	8
11	110	285	275	G1/2	8	200	265	275	G1/2	8	312	265	275	G1/2	8
12	200	271	360	G1/2	8	200	265	360	G1/2	8	300	265	360	G1/2	8
13	252	300	335	G1/2	8	252	300	335	G1/2	8	324	300	335	G1/2	8
14	252	300	405	G1/2	8	252	300	405	G1/2	8	324	300	405	G1/2	8
15	290	335	395	G1/2	8	290	340	395	G1/2	8	396	345	390	G1/2	8
16	290	335	440	G1/2	8	290	340	440	G1/2	8	396	345	435	G1/2	8
17	340	380	425	G1/2	8	300	380	425	G1/2	8	324	395	425	G1/2	8
18	340	380	485	G1/2	8	300	380	485	G1/2	8	324	395	485	G1/2	8
19-20	根据用户要求供货 On request					根据用户要求供货 On request									

冷却盘管适用于 / Cooling coil for															
类型 Type	规格 Size	浸油润滑 Dip lubrication				法兰泵强制润滑 Forced lubrication with flanged on pump				电动泵强制润滑 Forced lubrication with motor pump					
		适用布置形式 / Design				适用布置形式 / Design				适用布置形式 / Design					
		A	B	C	D	A	B	C	D	A	B	C	D		
JRHH2.V	5-12 13-18	X	X	X	X	-	X	-	X						
JRHH3.V	5-12 13-18	X	X	X	X	-	X	-	X					根据用户 要求供货 On request	
JRHB2.V	5-12 13-18	X	X	X	X	X	X	-	-						
JRHB3.V	5-12 13-18	X	X	X	X	-	-	X	X						

X=可供货

1) 冷却水需要量 (L/min)

。

X=Possible variants

1) Required cooling water quantity (L/min)

Cooling coil suitable for fresh, sea and brackish water.



7. 实际速比

Actual Ratios

平行轴齿轮箱 实际速比

类型 JRHH1, JRHH2, JRHH3, JRHH4

规格 5-20

Helical gear Units Actual Ratios

Types JRHH1, JRHH2, JRHH3, JRHH4

Sizes 5-20

iN	实际速比 i / Actual Ratios i															iN		
	齿轮箱规格 / Gear unit sizes																	
5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	iN		
1.25	1.256	-	1.263	-	1.270	-	-	-	-	-	-	-	-	-	-	1.25		
1.4	1.378	-	1.389	-	1.400	-	-	-	-	-	-	-	-	-	-	1.4		
1.6	1.588	-	1.606	-	1.625	-	1.636	-	1.588	-	-	-	-	-	-	1.6		
1.8	1.839	-	1.774	-	1.800	-	1.806	-	1.839	-	-	-	-	-	-	1.8		
2.0	2.034	-	1.966	-	2.000	-	2.000	-	2.034	-	2.000	-	2.000	-	1.967	-	2.0	
2.24	2.259	-	2.308	-	2.231	-	2.222	-	2.259	-	2.231	-	2.250	-	2.296	-	2.24	
2.5	2.520	-	2.583	-	2.500	-	2.480	-	2.520	-	2.481	-	2.481	-	2.560	-	2.5	
2.8	2.826	-	2.800	-	2.741	-	2.783	-	2.826	-	2.760	-	2.760	-	2.870	-	2.8	
3.15	3.190	-	3.130	-	3.208	-	3.080	-	3.208	-	3.087	-	3.087	-	3.238	-	3.15	
3.55	3.591	-	3.524	-	3.591	-	3.478	-	3.591	-	3.476	-	3.476	-	3.450	-	3.55	
4.0	4.050	-	4.000	-	4.050	-	3.905	-	4.050	-	3.947	-	3.947	-	3.944	-	4.0	
4.5	4.619	-	4.400	-	4.381	-	4.421	-	4.619	-	4.579	-	4.526	-	4.400	-	4.5	
5.0	4.900	-	4.905	-	4.947	-	5.150	-	4.900	-	5.100	-	4.900	-	4.950	-	5.0	
5.6	5.556	-	5.526	-	5.684	-	5.474	-	5.556	-	5.778	-	5.556	-	5.700	-	5.6	
6.3	6.286	-	6.088	-	6.260	-	6.246	-	6.410	-	6.449	-	6.154	-	6.410	-	6.3	
7.1	7.213	-	7.048	-	7.247	-	6.900	-	7.100	-	7.120	7.316	7.125	7.147	7.100	7.312	7.1	
8.0	7.889	7.792	7.799	7.676	8.018	7.848	7.644	7.941	7.889	7.944	7.882	8.076	7.884	8.274	7.889	8.100	8.0	
9.0	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	9.0	
10	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	10	
11.2	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	11.2	
12.5	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	12.5	
14	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	14	
16	15.581	15.278	15.717	14.887	15.962	15.765	15.556	15.478	15.975	15.685	15.389	15.935	15.550	15.694	16.159	15.570	15.643	16
18	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	18	
20	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	20	
22.4	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	22.950	22.4	
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	24.202	24.306	25.283	24.850	25	
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	28	
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	31.5	
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	35.5	
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	40	
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	42.642	44.375	45	
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	50	
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	56	
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	63.013	63.739	63	
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	66.306	70.000	68.162	71.888	71	
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	80	
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	90	
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	100	
112	-	107.590	115.256	112.294	115.290	111.645	112.450	108.257	118.306	110.000	113.186	110.901	110.833	111.176	115.862	114.174	112	
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	125	
140	-	-	143.985	145.322	138.301	144.542	139.152	142.973	141.920	146.633	139.074	142.060	136.183	142.414	142.362	146.254	140	
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	160	
180	-	-	174.630	181.546	177.022	173.392	175.389	176.921	181.654	175.901	170.993	175.962	167.438	176.400	178.079	181.156	180	
200	-	-	193.629	199.533	197.028	200.439	204.089	202.722	202.184	203.339	189.597	193.962	185.656	194.444	201.040	203.160	200	
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	224	
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	250	
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	280	
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	315	
355	-	-	344.112	363.906	351.273	353.827	361.407	367.034	360.951	355.625	336.946	359.606	329.942	360.500	350.069	352.249	355	
400	-	-	-	385.010	-	399.393	-	405.444	-	397.131	-	382.207	-	383.158	-	399.375	400	
450	-	-	-	433.881	-	440.402	-	459.504	-	447.376	-	-	-	-	-	-	450	

直交轴齿轮箱 实际速比
类型 JRHB2,JRHB3,JRHB4
规格 5-20

Bevel-helical gear Units Actual Ratios
Types JRHB2,JRHB3,JRHB4
Sizes 5-20

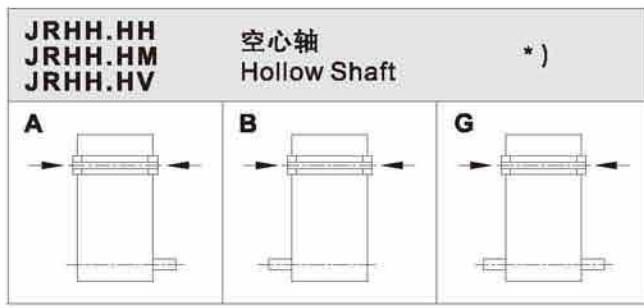
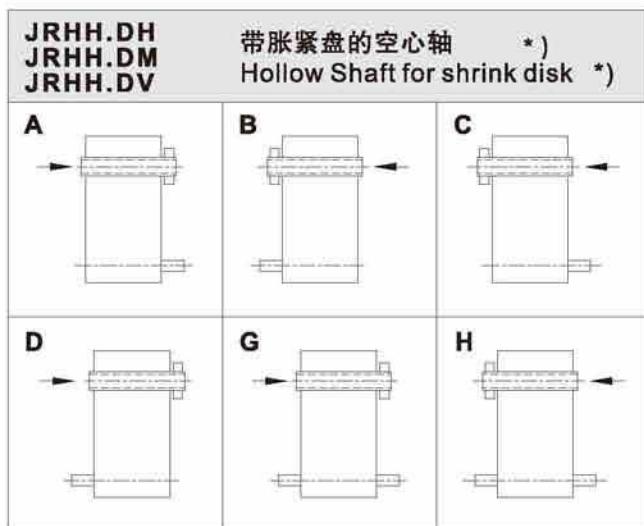
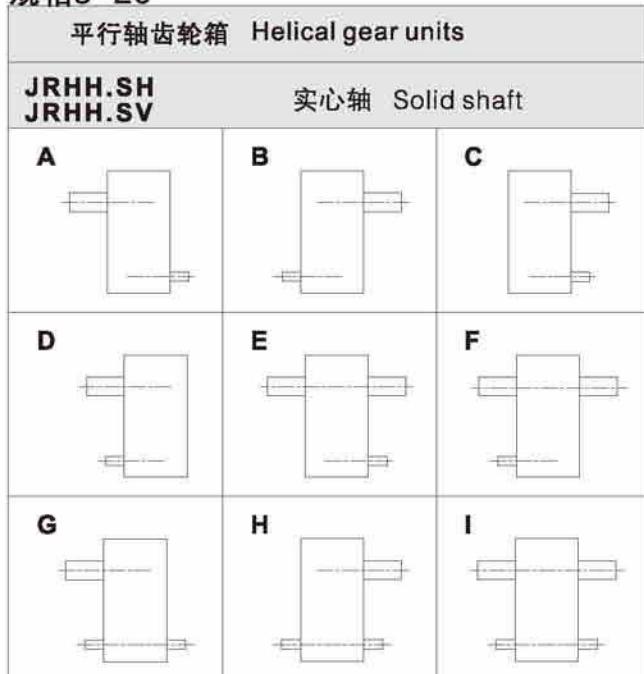
i_N	实际速比 i / Actual Ratios i																		i_N
	齿轮箱规格 / Gear unit sizes																		
5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20				
5.0	5.006	-	4.865	-	5.002	-	4.897	-	4.967	-	4.963	-	4.880	-	-	-	-	-	5.0
5.6	5.488	-	5.333	-	5.483	-	5.534	-	5.613	-	5.609	5.630	5.514	-	-	-	-	-	5.6
6.3	6.386	6.205	6.206	6.135	6.381	6.271	6.296	6.226	6.386	6.156	6.340	6.362	6.234	-	-	-	-	-	6.3
7.1	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	7.239	-	-	-	-	7.1
8.0	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	-	-	-	-	8.0
9.0	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	-	-	-	-	9.0
10	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	-	-	-	-	10
11.2	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	-	-	-	-	11.2
12.5	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	-	-	-	12.5
14	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	-	-	14
16	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	-	-	16
18	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	-	-	18
20	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	19.607	19.698	-	-	20
22.4	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	22.4	-	
25	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	25.278	-	-	25
28	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	-	-	28
31.5	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	31.5	-	
35.5	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	35.5	-	
40	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	40.738	39.899	39.706	-	-	40
45	43.146	43.166	43.523	44.296	44.202	44.732	43.077	44.209	44.238	44.259	42.617	44.732	43.460	46.702	43.117	45.518	-	-	45
50	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	50.469	49.106	49.190	-	-	50
56	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	-	-	56
63	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	60.865	62.978	-	-	63
71	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	-	-	71
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	-	-	80
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	-	-	90
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	-	-	100
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	-	-	112
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	-	-	125
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	-	-	140
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	-	-	160
180	170.427	170.506	174.092	177.184	174.597	176.692	176.615	181.258	179.186	179.248	170.467	178.930	166.923	179.375	174.496	184.212	-	-	180
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	198.732	199.073	-	-	200
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	-	-	224
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	-	-	250
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	-	-	280
315	302.121	298.181	308.618	309.861	309.513	309.000	313.091	316.984	317.812	313.470	302.191	311.045	295.909	311.818	309.334	320.226	-	-	315
355	-	339.788	-	353.097	-	352.116	-	361.214	-	357.210	-	342.784	-	343.636	-	352.902	-	-	355
400	-	374.460	-	389.127	-	388.046	-	398.073	-	393.660	-	-	-	-	-	-	-	-	400
450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	450

8. 布置形式 Assemblies

齿轮箱 布置形式

类型JRHH2...JRHH4, JRHB2...JRHB4

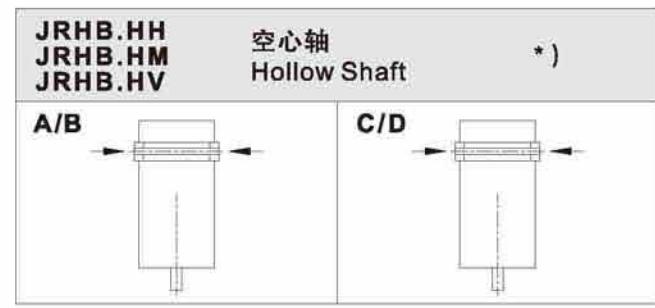
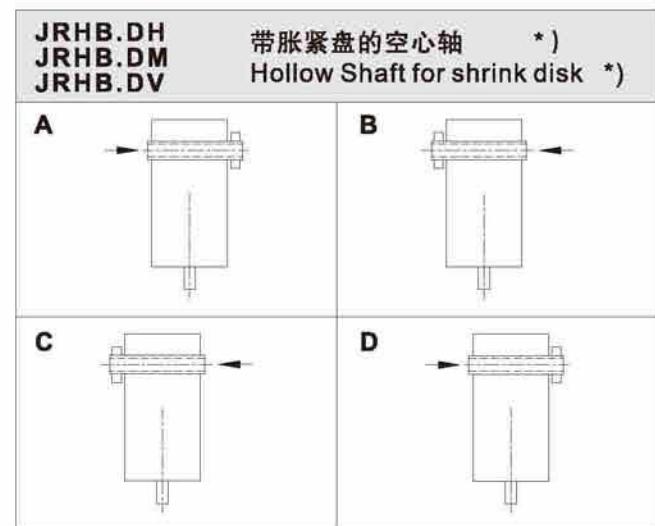
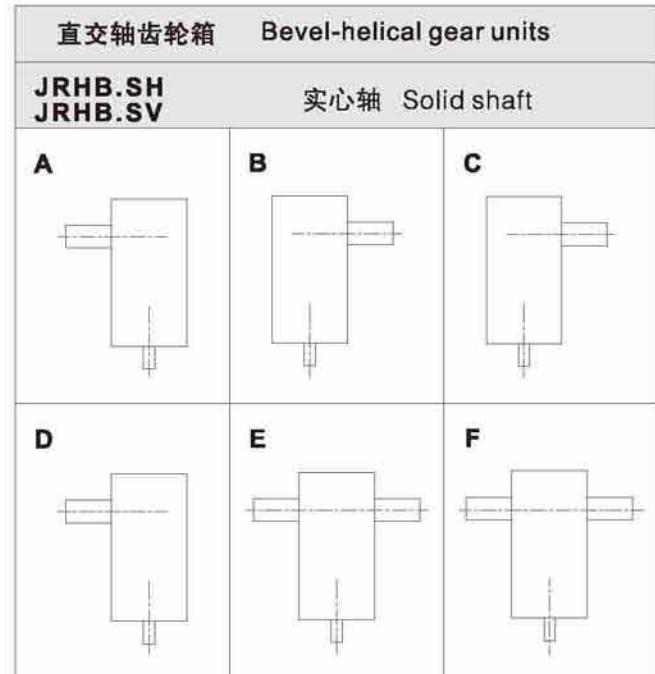
规格5-20



Gear Units Assemblies

Types JRHH2...JRHH4, JRHB2...JRHB4

Sizes 5-20



*) 箭头表示工作机驱动轴插入方向。

*) The arrow indicate the direction of insertion of the driven machine shaft.

9. 润滑油供给方式

Oil Supply

齿轮箱 润滑油供给方式可选方案
类型JRHH2...JRHH4,JRHB2...JRHB4
规格 5...18 立式安装

Gear Units Oil Supply for
Types JRHH2...JRHH4,JRHB2...JRHB4
Sizes 5-18 Vertical

立式安装齿轮箱所用的各种润滑油供给方式列于表1。

Oil supply variants for vertical gear units can be derived from table 1.

表1 / Table 1

类型 ¹⁾ Types	规格 Size	浸油润滑 Dip lubrication	法兰泵强制润滑 Forced lubrication, flanged-on pump	电动泵强制润滑 Forced lubrication, motor pump
JRHH2.V	5...12 13...18	X -	X X	- -
JRHH3.V	5...12 13...18	X -	X X	X X
JRHH4.V	7...12 13...18	X -	X -	X X
JRHB2.V	5...12 13...18	X -	X X	X X
JRHB3.V	5...12 13...18	X -	X X	X X
JRHB4.V	5...12 13...18	X -	X -	X X

X=可供货

1) 采用实心轴、带储油管的齿轮箱所用的各种润滑油供给方式见98页表14。

推荐供油方式：

规格6号(含)以下各型：浸油润滑，
规格7号以上各型：强制润滑

X=Possible variants

1) For possible variants for gear units with solid shaft and oil retaining tube, see page 98, table 14.

Preferred order:

up to size6:dip lubrication from
size7 up:forced lubrication

对各种润滑油供给方式的说明

浸油润滑：

当采用浸油润滑时，所有需要润滑的零部件均需浸在润滑油液中。

附带的补偿油箱用于存储溢油。

选择依据参见第92页。

强制润滑：

当采用强制润滑时，所有未浸在润滑油液中的零部件均通过一个法兰联接油泵或单独的电动油泵进行飞溅润滑。选择依据参见第93-96页。

Notes on the individual oil supply variants

Dip lubrication:

In case of dip lubrication, all parts to be lubricated are lying in the oil. An oil compensating tank has been fitted for oil expansion. Criteria for selection, see page 92.

Forced lubrication:

In case of forced lubrication, all parts which are not lying in oil are splash lubricated by means of a flanged-on pump or by a separate motor pump. Criteria for selection, see pages 93-96.



齿轮箱 浸油润滑方式

类型JRHH2...JRHH4,JRHB2...JRHB4

规格 5-12 立式安装

当选用浸油润滑方式时，必须满足下列要求：

- a) 最大输入转速*i_N*, 参见表2;
- b) 允许油温, 参见表3。

**Gear Units Dip Lubrication for
Types JRHH2...JRHH4,JRHB2...JRHB4
Sizes 5-12 Vertical**

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

- a) Maximum input speed *i_N*, See table2.
- b) Permissible oil temperatures, see table 3.

表2 / Table 2

规格 Size	类型 / Type											
	JRHH2.V		JRHH3.V		JRHH4.V		JRHB2.V		JRHB3.V		JRHB4.V	
	<i>i_N</i>	<i>n_{1max}</i>	<i>i_N</i>	<i>n_{1max}</i>	<i>i_N</i>	<i>n_{1max}</i>	<i>i_N</i>	<i>n_{1max}</i>	<i>i_N</i>	<i>n_{1max}</i>	<i>i_N</i>	<i>n_{1max}</i>
5	6.3-9	1000					6.3-7.1	750				
	10-12.5	1200	25-90	1800	-		8-9	900				
	14-16	1500					10-11.2	1000	12.5-71	1800	80-315	1800
	18-22.4	1800										
6	8-11.2	1000					9	750				
	12.5-16	1200					10-11.2	900				
	18-20	1500	31.5-112	1800	-		12.5-14	1000	16-90	1800	100-400	1800
	22.4-28	1800										
7	6.3-7.1	750										
	8-9	900										
	10-11.2	1000	25-90	1800	100-355	1800	9-10	750	12.5-25	1500	80-315	1800
	12.5-16	1200					11.2	900	28-71	1800		
8	18-22.4	1500										
	8-9	750										
	10-11.2	900										
	12.5-14	1000	31.5-112	1800	125-450	1800	11.2-12.5	750	16-31.5	1500	100-400	1800
9	16-20	1200					14	900	35.5-90	1800		
	22.4-28	1500										
	6.3-7.1	1200					5-5.6	900				
	8-10	1500	25-90	1800	100-355	1800	6.3-7.1	1000				
10	11.2-22.4	1800					8-10	1200	12.5-71	1800	80-315	1800
	8-9	750					11.2	1500				
	10-12.5	900										
	14-28	1000	31.5-112	1800	125-450	1800	11.2-12.5	750	16-90	1800	100-400	1800
11	12.5-16	1200					14	900	1000	1200	1500	1800
	14-22.4	1500	25-90	1800	100-355	1800	5.6-6.3	750	12.5-22.4	1500	80-315	1800
	11.2-12.5	1800					7.1-8	900	25-71	1800		
	14-22.4	1800					9-10	1000				
12	8-9	1000					11.2	1200				
	10-12.5	1200										
	14-16	1500	31.5-112	1800	125-450	1800	7.1-8	750	16-28	1500	100-400	1800
	18-28	1800					9-10	900	31.5-90	1800		
若油温低于表中所列数值，则必须对润滑油进行加热。 当采用浸油润滑时，油温不得低于所用润滑油的倾点。								If the temperatures are below the values as listed in the table, the oil must be heated. In case of dip lubrication, the oil temperature must not blow the pour point of the selected oil.				

表3 / Table 3

40°C温度下的ISO-VG粘度, mm ² /s(cSt) Viscosity ISO-VG at 40°C in mm ² /s(cst)	浸油润滑允许温度, °C / Permissible temperature in °C for dip lubrication	
	矿物油 / Mineral oil	合成油 / Synthetic oil
VG 220	-15	-25
VG 320	-12	-25
VG 460	-9	-25

若油温低于表中所列数值，则必须对润滑油进行加热。
当采用浸油润滑时，油温不得低于所用润滑油的倾点。

If the temperatures are below the values as listed in the table, the oil must be heated.
In case of dip lubrication, the oil temperature must not blow the pour point of the selected oil.

平行轴齿轮箱 强制润滑方式

Helical gear Units Forced Lubrication for

类型JRHH2...JRHH4

Types JRHH2...JRHH4

规格 5-18 立式安装

Sizes 5-18 Vertical

表4 / Table 4

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

强制润滑:

当采用强制润滑时, 启动时的工作粘度不得超过1800cSt。

最低工作粘度不得小于25cSt。

当油温低于表4所列的数值时, 必须提供浸油润滑方式,

或者对润滑油进行加热。

Forced lubrication:

In case of forced lubrication, the operating Viscosity 1800 cst

must not be exceeded during starting. A minimum operating of 25cst

 must be ensured. If the temperatures are below the values as listed
in table 4, dip Lubrication has to be provided or the oil must be heated.

表5 / Table 5

 立式安装平行轴齿轮箱采用法兰泵
Assignment of flanged-on pumps to vertical helical gear units

类型 Type	n, r/min	齿轮箱规格 Gear unit size		法兰泵规格 Flanged-on pump size	齿轮箱规格 Gear unit size			法兰泵规格 Flanged-on pump size
		5, 7, 9, 11	6, 8, 10, 12		13, 15, 17	14	16, 18	
		速比 / Ratio <i>i_N</i>			速比 / Ratio <i>i_N</i>			
JRHH2.V ¹⁾	750-1800	6.3-22.4	8-28		6.3-22.4	8-28	7.1-25	
JRHH3.V ¹⁾	1201-1800	25-35.5	31.5-45		22.4-35.5	28-45	25-40	
		40-71	50-90		40-71	50-90	45-80	
		80-90	100-112	*	80-90	100-112	90-100	*
		25-50	31.5-63		22.4-25	28-31.5	25-28	
	901-1200	56-90	71-112	*	28-45	35.5-56	31.5-50	
					50-90	63-112	56-100	*
		25-35.5	31.5-45		22.4-35.5	28-45	25-40	
	720-900	40-90	50-112	*	40-90	50-112	45-100	*
JRHH4.V ¹⁾	1201-1800	100-180	125-224					
		200-355	250-450	*				
	901-1200	100-125	125-160					
		140-355	180-450	*				
	750-900	100-355	125-450	*				

*=所需电动泵, 参见表7 / Motor pump required see table 7

1) 布置形式B, D

1) Design B, D.



平行轴齿轮箱 强制润滑方式

类型JRHH2...JRHH4

规格 5-18 立式安装

Helical gear Units Forced Lubrication for
Types JRHH2...JRHH4

Sizes 5-18 Vertical



表6 / Table 6

立式安装平行轴齿轮箱采用法兰泵
Assignment of flanged-on pumps to vertical helical gear units

类型 Type	n, r/min.	齿轮箱规格 Gear unit size		法兰泵规格 Flanged-on pump size	齿轮箱规格 Gear unit size			法兰泵规格 Flanged-on pump size
		5, 7, 9, 11	6, 8, 10, 12		13, 15, 17	14	16, 18	
		速比 / Ratio i_N			速比 / Ratio i_N			
JRHH2.V ¹⁾	750-1800	6.3-22.4	8-28		6.3-22.4	8-28	7.1-25	
JRHH3.V ¹⁾	1201-1800	25-40	31.5-50		22.4-50	28-63	25-56	
		45-90	56-112		56-90	71-112	63-90	
							100	*
	901-1200	25-56	31.5-71		22.4-31.5	28-40	25-35.5	
		63-90	80-112	*	35.5-56	45-71	40-63	
JRHH4.V ¹⁾	750-900				63-90	80-112	71-100	*
		25-45	31.5-56		22.4-25	28-31.5	25-28	
		50-90	63-112	*	28-45	35.5-56	31.5-50	
					50-90	63-112	56-100	*
	1201-1800	100-224	125-280					
		250-355	315-450	*				
JRHH4.V ¹⁾	901-1200	100-140	125-180		100-355	125-450	112-400	*
		160-355	200-450	*				
	750-900	100-112	125-140					
		125-355	160-450	*				

*=所需电动泵，参见表7/Motor pump required see table 7

1) 布置形式A, C

1) Design A,C.

表7 / Table 7

立式安装平行轴齿轮箱采用法兰泵
Assignment of flanged-on pumps to vertical helical gear units

类型 / Type	规格 / Size	油泵 / Pump
JRHH2.V	5…18	1)
JRHH3.V		SF 2/8
JRHH4.V	7…12	SF 2/13
	13…18	

1) 只提供法兰泵

1) Flanged-on pump only

直交轴齿轮箱 强制润滑方式

Bevel-helical gear Units Forced Lubrication for

类型JRHB2...JRHB4

Types JRHB2...JRHB4

规格 5-18 立式安装

Sizes 5-18 Vertical

表8 / Table 8

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

强制润滑:

当采用强制润滑时,启动时的工作粘度不得超过1800cSt。

最低工作粘度不得小于25cSt。

当油温低于表4所列的数值时,必须提供浸油

润滑方式,或者对润滑油进行加热。

Forced lubrication:

In case of forced lubrication, the operating Viscosity 1800 cst

must not be exceeded during starting. A minimum operating of 25cst

must be ensured. If the temperatures are below the values as listed

in table 4, oil lubrication has to be provided or the oil must be heated.

表9 / Table 9

 立式安装直交轴齿轮箱采用法兰泵
 Assignment of flanged-on pumps to vertical helical gear units

类型 Type	n, r/min	齿轮箱规格 Gear unit size		法兰泵规格 Flanged on pump size	齿轮箱规格 Gear unit size			法兰泵规格 Flanged on pump size
		5, 7, 9, 11	6, 8, 10, 12		13, 15, 17	14	16, 18	
		速比 / Ratio			速比 / Ratio			
JRHB2.V ¹)	1201-1800	i _N	i _N	Flanged on pump size	i _N	i _N	i _N	Flanged on pump size
		5-6.3	6.3-8		5-8	6.3-10	5.6-9	
	901-1200	7.1-11.2	9-14		9-11.2	11.2-14	10-12.5	
		5-8	6.3-10		5	6.3	5.6	
	750-900	9-11.2	11.2-14		5.6-11.2	7.1-14	6.3-12.5	
		5-6.3	6.3-8		5-10	6.3-12.5	5.6-11.2	
		7.1-10	9-12.5		11.2	14	12.5	*
JRHB3.V ²)	1201-1800	11.2	14	Flanged on pump size	i _N	i _N	i _N	Flanged on pump size
		12.5-35.5	16-45		12.5-35.5	16-45	14-40	
	901-1200	40-71	50-90		40-71	50-90	45-80	
		12.5-25	16-31.5		12.5-25	16-31.5	14-28	
	750-900	28-50	35.5-63		28-50	35.5-63	31.5-56	
		56-71	71-90		56-71	71-90	63-80	*
JRHB4.V ¹)	1201-1800	56-71	*	Flanged on pump size	i _N	i _N	i _N	Flanged on pump size
		12.5-35.5	16-45		12.5-35.5	16-45	14-40	
	901-1200	40-71	50-90		40-71	50-90	45-80	
		12.5-35.5	16-45		12.5-35.5	16-45	14-40	
	750-900	80-125	100-160		80-135	100-400	90-355	*
		140-250	180-315					
JRHB4.V ²)	1201-1800	280-315	355-400					
		80-180	100-224					
	901-1200	200-315	250-400					
		80-125	100-160					
	750-900	140-315	180-400					
		80-125	100-160					

*=所需电动泵, 参见表11/Motor pump required see table 11

- 1) 布置形式A, B
 2) 布置形式C, D

- 1) Design A, B.
 1) Design C, D.



直交轴齿轮箱 强制润滑方式

类型JRHB2...JRHB4

规格 5-18 立式安装

Bevel-helical gear Units Forced Lubrication for

Types JRHB2...JRHB4

Sizes 5-18 Vertical



表10 / Table 10 立式安装直交轴齿轮箱采用法兰泵
Assignment of flanged-on pumps to vertical bevel-helical gear units

类型 Type	n, r/min	齿轮箱规格 Gear unit size		法兰泵规格 Flanged on pump size	齿轮箱规格 Gear unit size		法兰泵规格 Flanged on pump size
		5, 7, 9, 11	6, 8, 10, 12		13, 15, 17	14	
		速比 / Ratio			速比 / Ratio		
JRHB2.V ¹⁾	1201-1800	5-6.3	6.3-8		5-6.3	6.3-8	5.6-7.1
		7.1-11.2	9-14		7.1-11.2	9-14	8-12.5
	901-1200	5-8	6.3-10		5-10	6.3-12.5	5.6-11.2
		9-11.2	11.2-14		11.2	14	12.5
	750-900	5-6.3	6.3-8		5-7.1	6.3-9	5.6-8
		7.1-10	9-12.5		8-11.2	10-14	9-12.5
		11.2	14		*		*
JRHB3.V ²⁾	1201-1800	12.5-35.5	16-45		12.5-22.4	16-28	14-25
		40-71	50-90		25-50	31.5-63	28-56
					56-71	71-90	63-80
	901-1200	12.5-25	16-31.5		12.5-35.5	16-45	14-40
		28-50	35.5-63		40-56	50-71	45-63
		56-71	71-90		63-71	80-90	71-80
	750-900	12.5-35.5	16-45		12.5-25	16-31.5	14-28
		40-71	50-90		28-40	35.5-50	31.5-45
					45-71	56-90	50-80
JRHB4.V ¹⁾	1201-1800	80-180	100-224				
		200-315	250-400				
	901-1200	80-125	100-160				
		140-315	180-400				
	750-900	80-90	100-112				
		100-315	125-400				

*=所需电动泵，参见表11/Motor pump required see table 11

- 1) 布置形式C, D
2) 布置形式A, B

- 1) Design C,D
2) Design A,B

表11 / Table 11 立式安装直交轴齿轮箱采用电动泵
Assignment of motor pumps to vertical bevel-helical gear units

类型 / Type	规格 / Size	油泵 / Pump
JRHB2.V	5...12	SF 2/5
	13...18	
JRHB3.V	5...18	SF 2/8
	5...12	
JRHB4.V	13...18	SF 2/13

齿轮箱 电动泵强制润滑方式

类型JRHH3, JRHH4, JRHB2, JRHB3, JRHB4

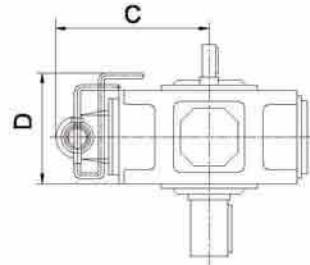
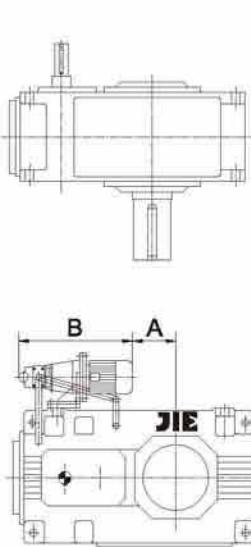
规格 5-18 立式安装

Gear Units Forced lubrication by motor pump

Types JRHH3, JRHH4, JRHB2, JRHB3, JRHB4

Sizes 5-18 Vertical

JRHH3.V, JRHH4.V



JRHB2.V, JRHB3.V, JRHB4.V

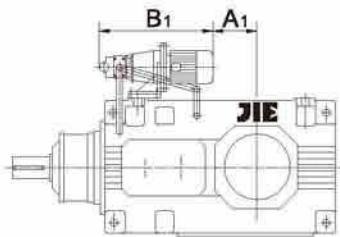
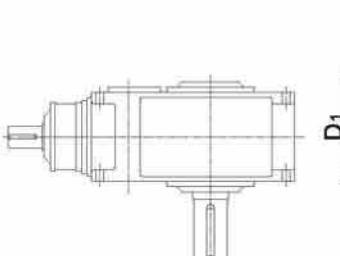


表12 / Table 12 安装尺寸 / Mounting dimensions on (mm)

类型 Type	规格 Size	A	B	C	D
JRHH3.V	5/6	-25/10	560	495	350
	7/8	55/100	595	545	425
	9/10	140/190	615	585	495
	11/12	375/445	535	645	560
	13/14	155/225	875	695	680
	15/16	275/320	960	735	745
	17/18	250/310	1035	795	810

表13 / Table 13 安装尺寸 / Mounting dimensions on (mm)

类型 Type	规格 Size	A ₁	B ₁	C ₁	D ₁
JRHB2.V	5/6	-160/-120	475	495	450
	7/8	5/50	475	545	540
	9/10	60/110	475	585	560
	11/12	150/220	475	645	645
	13/14	-70/0	530	690	810
	15/16	15/60	530	730	920
	17/18	-5/55	530	790	1025
JRHB3.V	5/6	-85/-50	475	495	375
	7/8	-5/40	475	545	435
	9/10	65/115	475	585	505
	11/12	280/350	475	645	565
	13/14	90/160	530	690	680
	15/16	175/220	530	730	755
	17/18	220/280	530	790	815
JRHB4.V	5/6	-35/0	475	495	360
	7/8	55/100	475	545	425
	9/10	140/190	475	585	495
	11/12	375/445	475	645	560
	13/14	135/205	530	695	665
	15/16	255/300	530	735	745
	17/18	230/290	530	795	810



齿轮箱

采用实心轴、带储油管的齿轮箱的润滑油供给方式

类型JRHH2...JRHH3, JRHB2...JRHB4

规格 5-18 立式安装

Gear Units

Oil Supply for Gear Units With Solid Shaft and Oil Retaining

Types JRHH2...JRHH3, JRHB2...JRHB4

Sizes 5-18 Vertical

表14 / Table 14		可选润滑油供给方式 / Possible oil supply variants	
类型 / Type	规格 / Size	布置形式 / Design	
		B	C
JRHH2SV	5-6	O ¹⁾	-
	7-12	O ²⁾	-
	13-18	O ³⁾	-
JRHH3SV	5-6	O	-
	7-12	O	-
	13-18	O	-
JRHB2SV	5-6	-	O
	7-12	-	O
	13-18	-	O
JRHB3SV	5-6	-	O
	7-12	-	O
	13-18	-	O
JRHB4SV	5-6	-	O
	7-12	-	O
	13-18	-	O

- =布置形式不允许

O =可选强制润滑

- =Design impossible

O =Forced lubrication possible

- 1) 对于规格5号齿轮箱，仅适用于速比 $i \leq 16$
- 2) 对于规格7号齿轮箱，仅适用于速比 $i \leq 16$
对于规格11号齿轮箱，仅适用于速比 $i \leq 18$
- 3) 对于规格13号齿轮箱，仅适用于速比 $i \leq 18$
对于规格17号齿轮箱，仅适用于速比 $i \leq 16$

- 1) For size 5 only possible up to $i \leq 16$
- 2) For size 7 only possible up to $i \leq 16$
For size 11 only possible up to $i \leq 18$
- 3) For size 13 only possible up to $i \leq 18$
For size 17 only possible up to $i \leq 16$

齿轮箱

润滑油选择表

Gear Units

Selection of Oil Table

润滑油 Oil	40℃温度下 ISO-VG粘度 mm ² /s标准 DIN51519 Viscosity ISO-VG At40℃ in mm ² /s, standard DIN 51519	润滑油选用实例 / Oil selection example					
		 道达尔	 Mobil	 Shell	 bp	 长城	 KunLun 昆仑
合成油 Synthetic oil	VG680	TOTAL CARTER SH680	GLYGOYLE HE 680	SHELL OMALA HD680			
	VG460	TOTAL CARTER SH460	GLYGOYLE HE 460	SHELL OMALA HD460	ENERSYN SG-XP460		
	VG320	TOTAL CARTER SH320	GLYGOYLE HE320	SHELL OMALA HD320			
	VG220	TOTAL CARTER SH220	GLYGOYLE 30	SHELL OMALA HD220	ENERSYN SG-XP220		
	VG150		GLYGOYLE 22				
	VG100						
矿物油 Mineral oil	VG680	TOTAL CARTER EP680	MOBIL GEAR 636	SHELL OMALA 680	ENERGOL GR-XF680	CKD680	CKD680
	VG460	TOTAL CARTER EP460	MOBIL GEAR 634	SHELL OMALA 460	ENERGOL GR-XF460	CKD460	CKD460
	VG320	TOTAL CARTER EP320	MOBIL GEAR 632	SHELL OMALA 320	ENERGOL GR-XF320	CKD320	CKD320
	VG220	TOTAL CARTER EP220	MOBIL GEAR 630	SHELL OMALA 220	ENERGOL GR-XF220	CKD220	CKD220
	VG150		MOBIL GEAR 629				
	VG100						



10. 产品选型表 Selection Table



环境温度: -10°C~40°C 其它 _____。

Ambient condition: -10°C~40°C others _____。

安装位置: 室内狭小空间 室内在大空间 室外安装。

Installation position: small spacer large spacer outside。

空气质量: 一般 高粉尘 其它 _____。

Air condition: ordinary high dust others _____。

化学污染: 无 有

Chemical contamination: no yes

海拔高度 (m): <1000 >1000~2000 >2000~3000 >3000

altitude (m): <1000 >1000~2000 >2000~3000 >3000

原动机: 电机 其它 _____。

Prime mover: motor other _____。

功率: _____ kw 转速: _____ r/min 最大扭矩: _____ Nm

Power: _____ kw Rotational speed: _____ r/min Max.output torque: _____ Nm

每小时启动次数: _____ 次 每天带载运行时间 (h): ≤0.5 >0.5~10 >10

Starts per hour: _____ effective daily operation period under load (h): ≤0.5 >0.5~10 >10

每小时负荷率 (ED): 20% 40% 60% 80% 100%

Load rate per hour (ED): 20% 40% 60% 80% 100%

被驱动设备 (工作机) 名称: _____。

Driven machine (working machine) name: _____。

功率: _____ kw 转速: _____ r/min

power: _____ kw rotational speed: _____ r/min

原动机与减速机联接: 联轴器 皮带 液力偶合器 其它 _____。

Connection between prime mover and reducer: coupling belt fluid coupling others _____。

减速机与工作机联接: 联轴器 皮带 齿轮 其它 _____。

Connection between reducer and working machine: coupling belt gear others _____。



减速机型号: _____。



Gear unit type: _____。



名义速比: _____ 布置形式: A B C D 其它 _____。

ratio: _____ design: A B C D others _____。

输出轴旋转方向 (从轴端看): 顺时针CW 逆时针CCW 双向旋转

Output rotating direction(from end play): clockwise cw counter clockwise CCW

two-direction rotating

安装方式: 卧式 立式 有倾斜安装: 有 无

Installation : horizontal vertical Inclined installation: yes no

输出轴形式: 实心轴 空心轴 带胀紧盘的空心轴 其它 _____。

Type of output shaft: solid shaft hollow shaft hollow shaft for shrink disk others _____

供油方式: 浸油 轴端泵强制润滑 电动泵强制润滑

Oil supply: dip lubrication forced lubrication by flanged-on pump forced lubrication by motor pump

冷却方式: 自然冷却 带风扇 带冷却盘管

Cooling type: natural cooling with fan with cooling coil

附件: 风扇 逆止器 补偿油箱 轴端泵 电动泵 其它 _____。

accessory: fan backstop oil compensating flanged-on pump motor pump others _____。

其它要求Other request:

用户名称Users name: _____

订单数量Order quantity: _____

联系人Contact: _____ 电话Tel: _____

传真Fax: _____

E-mail: _____



JRH 工业齿轮箱 Industry Gear Units

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
9																								
8																								
7																								
6																								
5																								
4																								
3																								
2																								
1																								
0																								
45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

JRH H 系列
Series Industry Gear Units

JRT 齿轮减速电机



JRTR 系列
斜齿轮减速电机
规格: 17~187
传动比: 3.37~289.74
输入功率: 0.12~250 kW
输出扭矩: 2.4~55435 N.m

JRTF 系列
平行轴-斜齿轮减速电机
规格: 37~177
传动比: 3.77~281.71
输入功率: 0.12~250kW
输出扭矩: 3.5~56845N.m

JRH 工业齿轮箱



JRHH 系列
平行轴齿轮箱
规格: 4~26
传动比: 1.25~450
输入功率: 4.3~5082kW
输出扭矩: 6100~900000N.m

JRH B 系列
直交轴齿轮箱
规格: 4~26
传动比: 5~400
输入功率: 2.8~2879kW
输出扭矩: 6100~900000N.m

JRP 行星齿轮箱



JRP 系列
行星齿轮箱
规格: 9~30
传动比: 25~4000
输入功率: 0.4~5970kW
输出扭矩: 22000~1200000N.m

JRPE 系列
行星齿轮箱
规格: 010~320
传动比: 3.08~3301
输入功率: 0.02~111kW
输出扭矩: 1000~25000N.m

JRST 蜗杆减速机



JRSTD 系列
蜗杆减速机
规格: 25~150
传动比: 7.5~100
输入功率: 0.06~15kW
输出扭矩: 2.6~2670N.m

JRST 系列
蜗杆减速机
规格: 25~150
传动比: 7.5~100
输入功率: 0.1~15kW
输出扭矩: 2.6~2670N.m

WP 蜗杆减速机



WPA 系列
蜗杆减速机
规格: 40~250
传动比: 10~60
输入功率: 0.12~33.2kW
输出扭矩: 6~6050N.m

WPS 系列
蜗杆减速机
规格: 40~250
传动比: 10~60
输入功率: 0.12~33.2kW
输出扭矩: 6~6050N.m

JD 电动机



JD..JP 系列
配电机
规格: 63~315
功率: 0.12~200kW
效率: IE2、IE3(0.75~200kW)

JD..JE 系列
IEC标准电机
规格: 63~315
功率: 0.12~200kW
效率: IE2、IE3(0.75~200kW)

其它减速机



JRSS 系列
丝杆升降机
规格: 35~150
传动比: 5~40
输入功率: 0.19~16.3kW
起升力: 500~26050kg

JRTM 系列
伞齿轮转向器
规格: 2~25
传动比: 1~5
输入功率: 0.014~335kW
输入转速: 10~1450r/min



JRG C1501
工程分动箱
传动比:
0.589、0.659、0.756、0.825
输出泵最大扭矩: 1390N.m
行走最大扭矩: 40000N.m



JRG C1301
工程分动箱
输入功率: 400 kW
单泵功率: 210 kW
单泵最大转矩: 1000N.m
最大输入速度: 3500rpm



JRTK 系列
斜齿轮-伞齿轮减速电机
规格: 37~187
传动比: 3.98~197.37
输入功率: 0.12~200kW
输出扭矩: 10~62800N.m

JRTS 系列
斜齿轮-蜗轮蜗杆减速电机
规格: 37~97
传动比: 6.8~288
输入功率: 0.12~22kW
输出扭矩: 11~4650N.m

JRTRX 系列
斜齿轮减速电机
规格: 57~107
传动比: 1.3~8.65
输入功率: 0.12~45kW
输出扭矩: 1.4~990N.m

JRHD 系列
斗式提升机齿轮箱
规格: 5~16
传动比: 25~71
输入功率: 16~1305kW
输出扭矩: 11000~173000N.m

JROKE 系列
棕榈油齿轮箱
传动比: 56、75、80
输入功率: 106、141kW
输出扭矩: 75000N.m

JRHA2SV
空冷岛齿轮箱
规格: 5~14
传动比: 6.3~22.4
输入功率: 76~778kW
输出扭矩: 10500~107000N.m

JRPH 系列
行星齿轮箱
规格: 08~100
传动比: 3.4~2000
输入功率: 75~250kW
输出扭矩: 8000~100000N.m

JRPH 系列
港口机械行星齿轮箱
规格: 08~100
传动比: 3.4~2000
输入功率: 75~250kW
输出扭矩: 8000~100000N.m

JRPN 系列
搅拌机行星齿轮箱
规格: 11~13
传动比: 31.5~100
输入功率: 30~75kW
输出扭矩: 42000~83000N.m

JRSTDB 系列
蜗杆减速机
规格: 25~150
传动比: 7.5~100
输入功率: 0.06~15kW
输出扭矩: 2.6~2670N.m

JRST..-W 系列
蜗杆减速机
规格: 25~150
传动比: 7.5~100
输入功率: 0.1~15kW
输出扭矩: 2.6~2670N.m

JRSTD..-U 系列
蜗杆减速机
规格: 25~150
传动比: 7.5~100
输入功率: 0.06~15kW
输出扭矩: 2.6~2670N.m

WPO 系列
蜗杆减速机
规格: 40~250
传动比: 10~60
输入功率: 0.12~33.2kW
输出扭矩: 6~6050N.m

WPX 系列
蜗杆减速机
规格: 40~250
传动比: 10~60
输入功率: 0.12~33.2kW
输出扭矩: 6~6050N.m

WPW 系列
蜗杆减速机
规格: 40~250
传动比: 10~60
输入功率: 0.12~33.2kW
输出扭矩: 6~6050N.m

JD.JBE 系列
制动电机
规格: 63~315
功率: 0.12~200kW
效率: IE2、IE3(0.75~200kW)

JDB.. 系列
防爆电机
规格: 80~315
功率: 0.75~200kW
防爆等级: Exib II BT4
效率: IE2、IE3

JDC 系列
伺服电机
规格: 01~13
功率: 0.5~4.2kW
额定扭矩: 2~13N.m

JRESR 系列
不锈钢齿轮减速电机
规格: 37
传动比: 3.41~134.87
输入功率: 0.12~3kW
输出扭矩: 2.4~200N.m

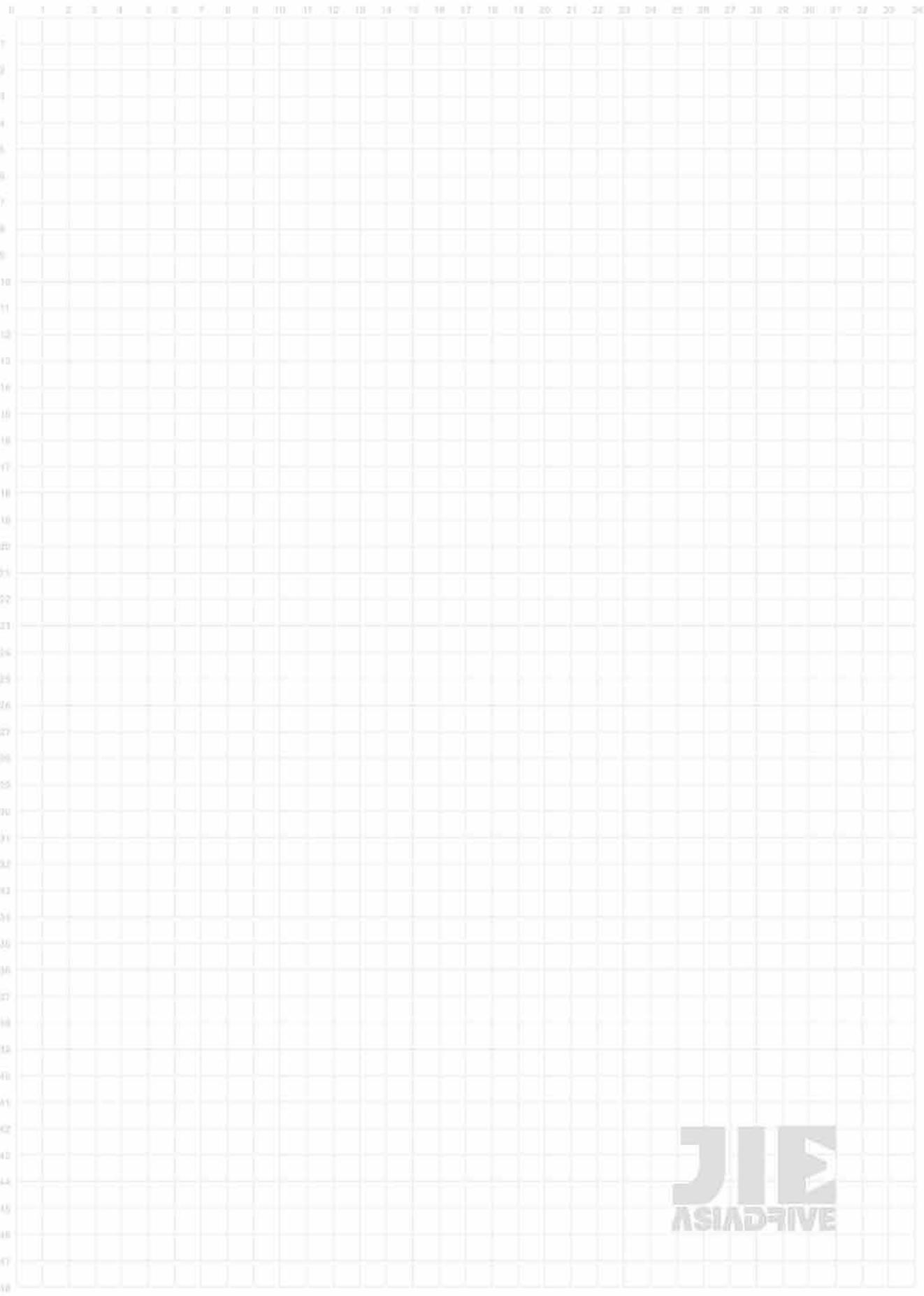
JRESK 系列
不锈钢齿轮减速电机
规格: 37
传动比: 3.97~106.38
输入功率: 0.12~3kW
输出扭矩: 10~200N.m

JRESS 系列
不锈钢蜗杆减速机
规格: 40~90
传动比: 7.5~100
输入功率: 0.09~4kW
输出扭矩: 19~458N.m

JEC 系列
电扶梯主机
规格: 2~15、2~25
传动比: 24.5
效率: ≥96%
使用寿命: 146000h
输出扭矩: 3530~5150N.m

JN 系列
农机齿轮箱
传动比: 0.364~2.33
输入转速: 800rpm
效率: ≥96%

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МЕХАНІЧНІ ПРИВОДИ, КОНВЕЕРНІ КОМПЛЕКТУЮЧІ

Уважаемые партнёры!

Компания **КПД** готова предложить комплектующие к оборудованию самого высокого качества.

Основные наши позиции это:

- **Редукторы и мотор-редукторы David Brown / Benzlers** Швеция – это недоступный ранее на украинском рынке уровень качества, надёжности, уровня технических инноваций и технического совершенства. Представлены редукторы всех компоновок.

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- **Звёздочки для цепей** Sati, Италия

- **Плоские транспортёрные цепи и модульные ленты** Regina

- **Ремни приводные** клиновые, поликлиновые (ручейковые), вариаторные, круглые, зубчатые специальные, производства компаний **Bando, Япония, Brecoflex, Германия**.

- **Шкивы, монтажные втулки и муфты** со склада, производства компании **Desch, Германия**.

- **Зубчатые цепи** Ramsey, США

- **Гидромуфты** и дисковые тормоза Transfluid, Италия.

- **Карданные валы** Elso/Elbe, Германия, широкий диапазон конструкций и размеров, крестовины карданных валов.

- **CTS обгонные муфты** из Италии. Высокое качество изготовления.

Наши специалисты всегда готовы помочь решить проблемы эксплуатации оборудования и предложить надёжные комплектующие.

С уважением,

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