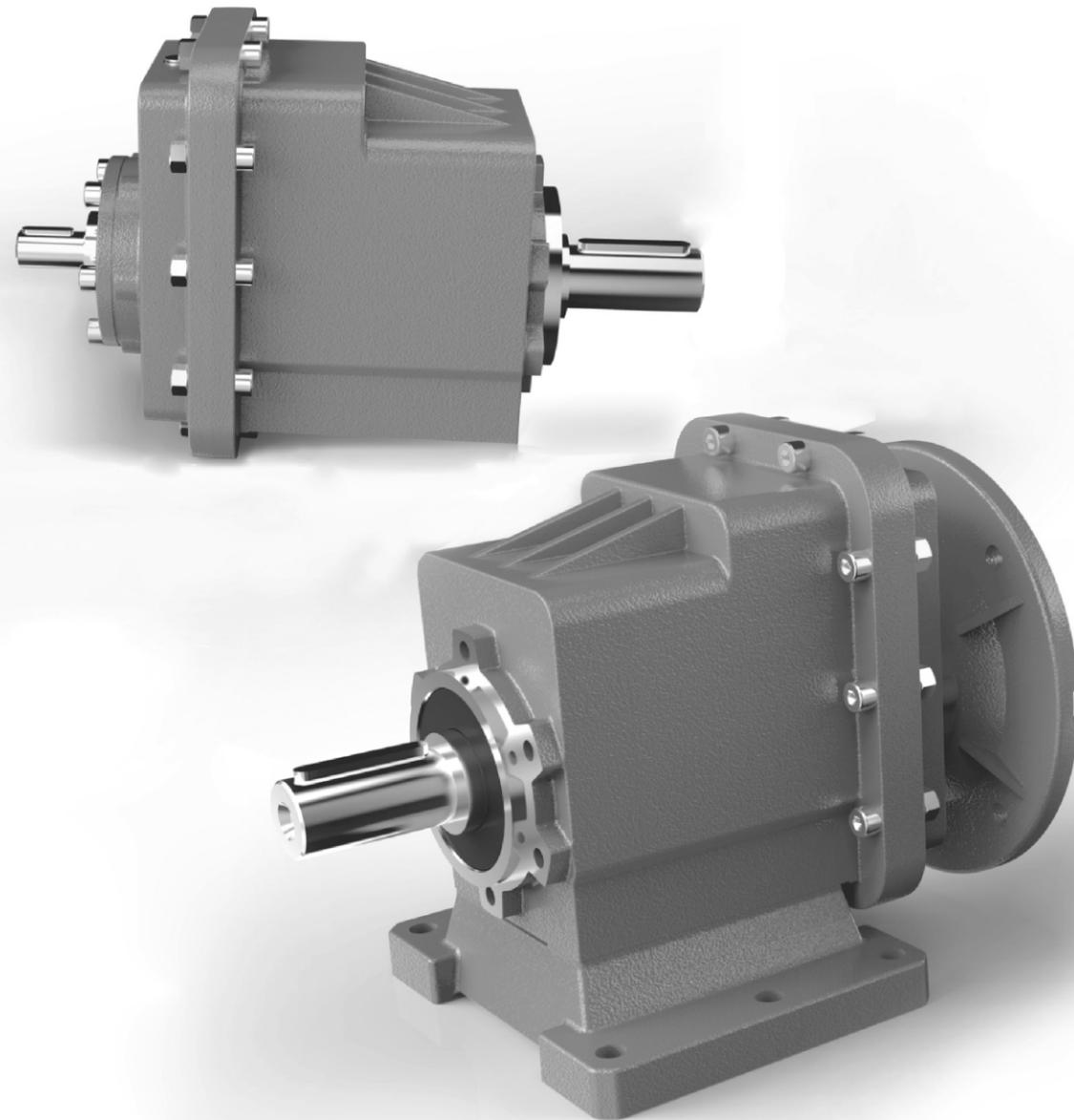
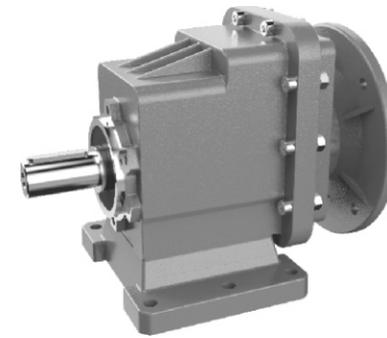


# QRC系列 斜齿轮减速机

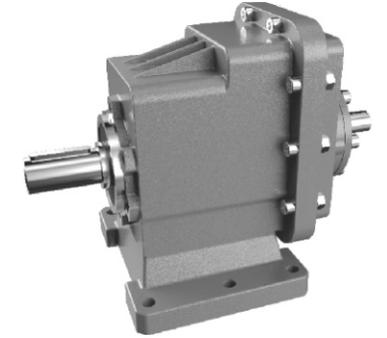
QRC SERIES HELICAL GEAR UNITS



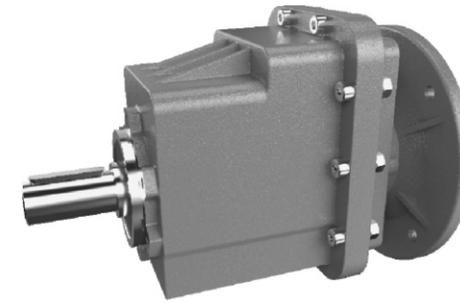
## 产品图片 / PRODUCT PICTURE



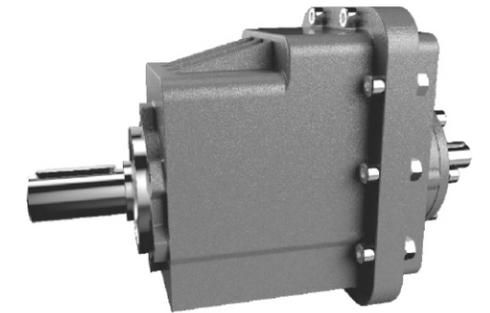
**QRC..P(IEC)**  
底脚安装斜齿轮减速机  
Foot-mounted helical gear unit



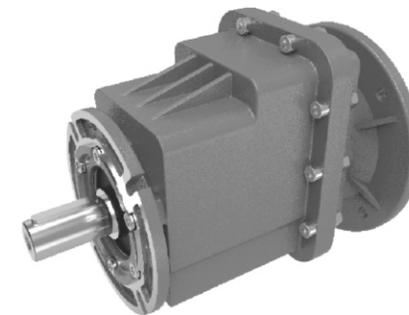
**QRC..HS**  
轴输入底脚安装斜齿轮减速机  
Shaft input foot-mounted helical gear unit



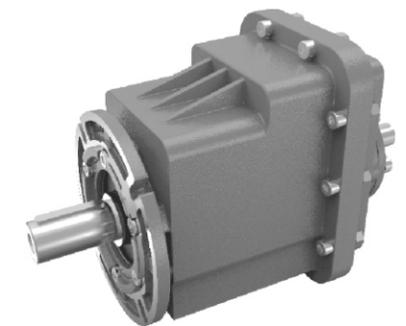
**QRCZ..P(IEC)**  
B14形式法兰安装斜齿轮减速机  
B14 Flange-mounted helical gear unit



**QRCZ..HS**  
轴输入B14形式法兰安装斜齿轮减速机  
Shaft input B14 Flange-mounted helical gear unit



**QRCF..P(IEC)**  
法兰安装斜齿轮减速机  
Flange-mounted helical gear unit



**QRCF..HS**  
轴输入法兰安装斜齿轮减速机  
Shaft input Flange-mounted helical gear unit

RV  
KM  
ND  
Z  
C  
QRC

RV  
KM  
ND  
Z  
C  
QRC

## 产品概述 / PRODUCTS OVERVIEW

### 技术特征

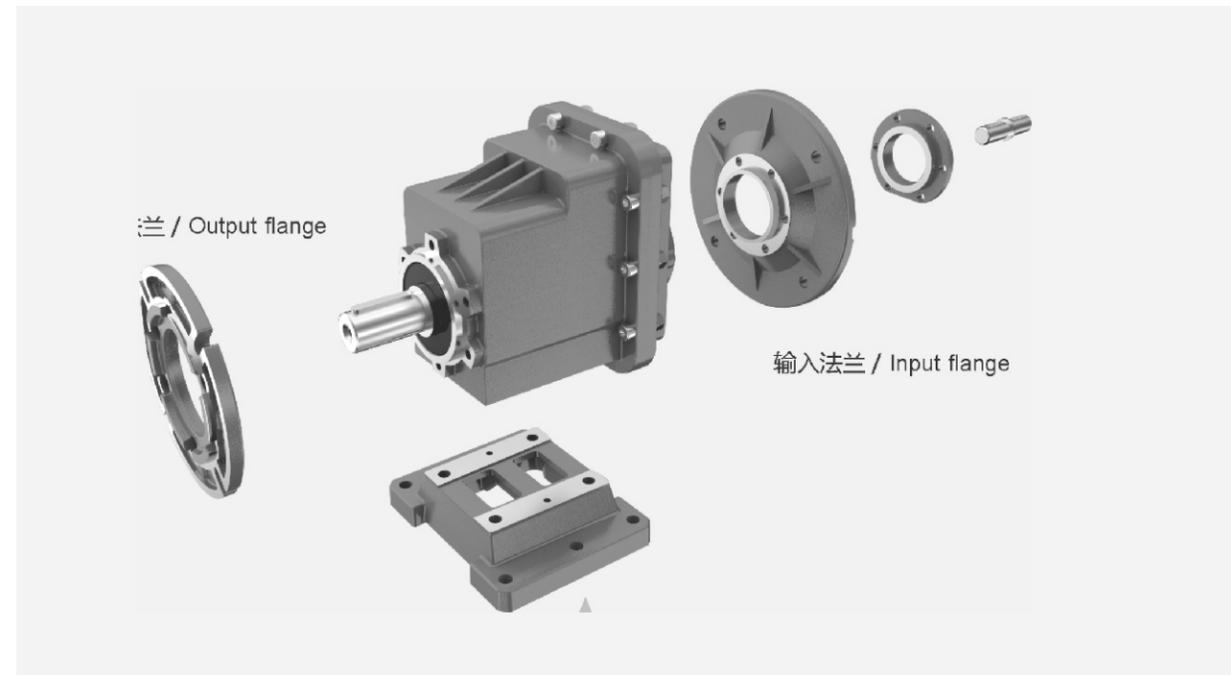
QRC斜齿轮减速机具有高度模块化的设计特征。可分别与普通IEC、制动、防爆、变频、伺服等电机组合。本产品广泛用于纺织、食品、陶瓷、包装、物流、塑料等传统领域，可选用不同的法兰和底脚组建各种减速机的结构。

### 产品特点

QRC系统小型斜齿轮减速机共有4种机型号，功率0.12-4KW，速比3.66-54，最大扭矩120-500Nm。可根据用户要求进行任意组合（底脚、法兰）和多种安装位置的选择。

- 使用磨削硬齿面斜齿轮；
- 模块化，可组合多种结构形式；
- 铝制箱体，重量轻；
- 渗碳硬齿面，经久耐用；
- 安装方式多样；
- 设计精巧，结构紧凑，噪音小。

### 结构特点 / Structure Feature



### Technical features

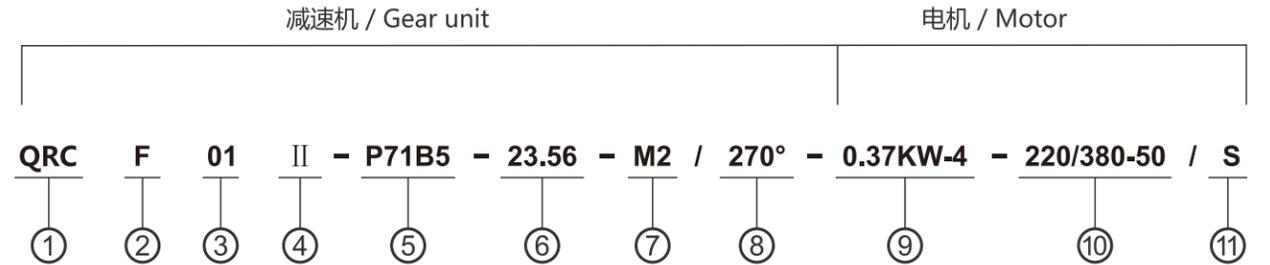
The high degree of modularity is a design feature of QRC helical gearboxes range. It can be connected respectively with motors such as normal motor, brake motor, explosion-proof motor, frequency conversion motor, servo motor, IEC motor and so on. This kind of product is widely used in drive fields such as textile, foodstuff, ceramics packing, logistics, plastics and so on. It is possible to set up the version required using flanges or feet.

### Products characteristics

QRC series helical gear units has more than 4 types. Power0.12-4KW; Ratio3.66-54; Torque Max 120-500Nm. It can be connected (foot or flange) discretionary and use multi-mounting positions according custom-ers' requirements.

- Ground-hardened helical gears;
- Modularity, can be combined in many forms;
- Aluminium casing, light weight;
- Gears in carbonize hard, durable;
- Universal mounting;
- Refined design, space effective and low noise.

## 型号说明 / MODEL ILLUMINATE



NO	说明	Comments
1	QRC: 减速机系列代号	QRC: Code for gear units series
2	1) 无代号表示底脚安装 2) F: B5形式法兰安装 3) Z: B14形式法兰安装	1). No code means foot-mounted 2). F: B5 flange mounted 3). Z: B14 flange mounted
3	减速机规格号01、02、03、04	Specification code of gear units 01,02,03,04
4	1) B01、M01……表示底脚代号，无法兰 2) I、II、III: B5形式输出法兰规格，默认可以不写	1). B02、M02……means foot code, without flange 2). I、II、III: B5 output flange specification, default I not to write out is ok
5	1) IEC输入法兰 2) HS: 轴输入	1). IEC input flange 2). HS: shaft input
6	减速机传动比 (i)	Transmission ratio of gear units (i)
7	M1: 安装方位，默认安装方位M1可以不写	M1: Mounting positio, default mounting position M1 not to write out is ok
8	电机接线盒位置，默认位置0° (R) 可以不写	Position diagram for motor terminal box, Default position 0° (R) not to write out is ok
9	1) 无代号表示不带电机 2) 电机型号或功率、极数	1) No mark means without motor 2) Model motors (poles of power)
10	电压-频率	Voltage-frequency
11	电机进线位置，默认位置S可以不写	Coil in pssition for motor, default position S not to Write out is ok

注：订单时请说明是否带电机，一般按不带电机供应。

NOTE: When ordering, you should show whether the reducers are equipped with motors, otherwise reducers aren't supplied with motors.

示例Example : **QRC02B02-P71B5-23.56**

**QRCZ03-HS-6.31**

**QRCF02III-P80B14-8.78-0.75KW-4 - 220/380 - 50/E**

选型相关参数 / RELEVANT PARAMETER

功率P

$$P_1 = P_2 / \eta \text{ (kW)}$$

$$P_{1n} \geq P_1 \cdot fs \text{ (kW)}$$

$P_1$  输入功率  
 $P_{1n}$  输入电机额定功率  
 $\eta$  传动效率  
 $P_2$  输出功率  
 $fs$  使用系数

SRC系列斜齿轮减速机的传动是2级齿轮传动，其传动效率 $\eta$ 为96%。

POWER P

$$P_1 = P_2 / \eta \text{ (kW)}$$

$$P_{1n} \geq P_1 \cdot fs \text{ (kW)}$$

$P_1$  Input power  
 $P_{1n}$  Rated input motor power  
 $\eta$  Transmission efficiency  
 $P_2$  Output power  
 $fs$  Service factor

SRC Series helical gear unit has 2 stage and the efficiency is about 96%

转速 n / Rotation speed n

$n_1$  减速机输入转速  
 $n_2$  减速机输出转速

$n_1$  Gear units input speed  
 $n_2$  Gear units output speed

若是齿轮箱外部传动装置驱动，为了优化工作条件和提高使用寿命，建议使用1400r/min或更低转速。允许输入较高的输入转速，但在这种情况下，额定扭矩 $M_2$ 会下降。

If driven by the external gearing, 1400r/min or lower rotation speed is suggested so as to optimize the working conditions and prolong the service life. Higher input rotation speed is permitted, but in this situation, the rated torque  $M_2$  will be reduced.

传动比 i / Transmission ratio i

$$i = n_1 / n_2$$

传动比通常为小数，在选型表中保留两位小数。  
Usually transmission ratio is decimal fraction with 2 radix point tagged in selection tables.

扭矩 M / Torque m

$$M_2 = 9550 \cdot P_1 \cdot \eta / n_2 \text{ (Nm)}$$

$$M_{2n} \geq M_2 \cdot fs \text{ (Nm)}$$

$M_2$  输出扭矩  
 $M_{2n}$  额定输出扭矩  
 $P_1$  输入功率  
 $\eta$  传动效率  
 $fs$  使用系数

$$M_2 = 9550 \cdot P_1 \cdot \eta / n_2 \text{ (Nm)}$$

$$M_{2n} \geq M_2 \cdot fs \text{ (Nm)}$$

$M_2$  Output torque  
 $M_{2n}$  Rated output torque  
 $P_1$  Input power  
 $\eta$  Transmission efficiency  
 $fs$  Service factor

选型相关参数 / RELEVANT PARAMETER

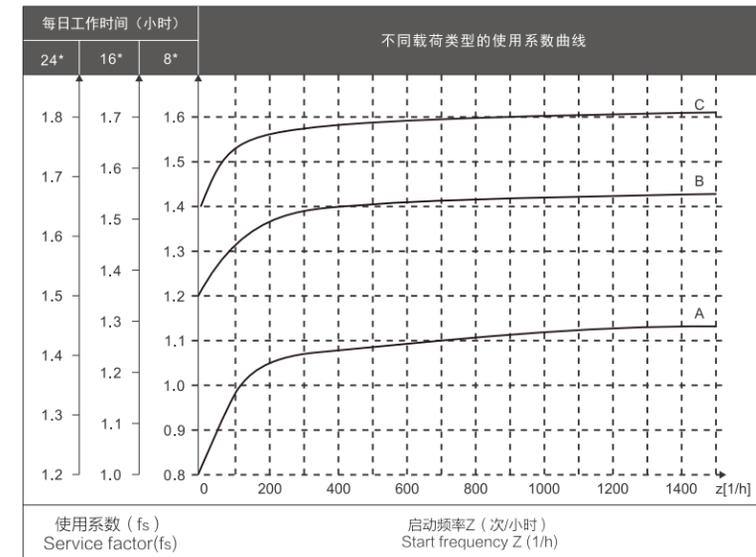
使用系数 fs / Service factor fs

使用减速机时，应考虑一定的使用系数 $fs$ ，它是根据每天的运转时间和启停频率Z确定的。

根据惯性加速系数确定三种负载类型，在下图中可以读取实际应用的使用系数，按下图选取的使用系数必须小于或等于从性能参数表中提供的使用系数。

The effect of the driven machine on the gear unit is taken into account to a sufficient level of accuracy using the service factor  $fs$ . The service factor is determined according to the daily operating time and the starting frequency  $Z$ .

Three load classifications are considered depending on the mass acceleration factor. You can read off the service factor applicable to your application in following figure. The service factor selected using this diagram must be less than or equal to the service factor as given in the performance parameter table.



- 启动频率Z：周期包括所有启动、制动次数以及变速电机高低速变化时的次数。
- starting frequency Z: The cycles include all starting and braking procedures as well as change overs from low to high speed.

负载类型 / Load classifications

负载性质:

- A. 均匀冲击负载，允许惯性加速系数 $Fa \leq 0.2$
- B. 中等冲击负载，允许惯性加速系数 $Fa \leq 3$
- C. 重冲击负载，允许惯性加速系数 $Fa \leq 10$

负载类型见附录。

Type of load:

- A. Uniform shock load, permitted mass acceleration factor  $Fa \leq 0.2$
- B. Moderate shock load, permitted mass acceleration factor  $Fa \leq 3$
- C. Heavy shock load, permitted mass acceleration factor  $Fa \leq 10$

Load classifications see the addendum

选型相关参数 / RELEVANT PARAMETER

惯性加速系数 / Mass acceleration factor

惯性加速系数计算如下:

$$Fa = Jc / Jm$$

Fa 惯性加速系数

Jc 所有外部传动惯量 (kgm<sup>2</sup>)

Jm 驱动电机的传动惯量 (kgm<sup>2</sup>)

如果惯性加速系数 Fa > 10, 请与我们技术部联系。

为了保持减速机的使用寿命, 从产品样本中所选择的使用系数 fs 应等于或略高于计算出的使用系数 fs。

The mass acceleration factor is calculated as follows:

$$Fa = Jc / Jm$$

Fa Mass acceleration factor

Jc All external mass moments of inertia (kgm<sup>2</sup>)

Jm Mass moment of inertia on the motor end (kgm<sup>2</sup>)

If mass acceleration factors Fa > 10, please call our Technical Service.

To keep the service-life of gear units, the use factor fs selected from the catalogue must be equal or slightly higher than the calculated use factor fs.

径向载荷 Fr / Radial loads Fr

在确定影响径向载荷时, 安装在轴端上的传动件类型必须考虑在内。不同类型的传动对应不同的传动附加系数 fz, 列表如下:

When determining the resulting radial loads, the type of transmission elements, mounted on the shaft end must be considered. Various transmission elements are corresponding with following transmission element factors fz:

传动件 Transmission element	传动附加系数 fz Transmission element factor fz	注释 Comments
齿轮 Gears	1.00	≥17齿 teeth
	1.15	<17齿 teeth
链轮 Chain sprockets	1.00	≥20齿 teeth
	1.25	<20齿 teeth
	1.40	<13齿 teeth
V带轮 Narrow V-belt pulleys	1.75	有预紧力作用 Influence of the tensile force
平带轮 Flat belt pulleys	2.50	有预紧力作用 Influence of the tensile force
齿带轮 Toothed belt pulleys	2.50	有预紧力作用 Influence of the tensile force

作用在轴上的径向载荷按如下公式计算:

$$Fr = \frac{M \cdot 2000 \cdot fz}{d_0} \text{ (N)}$$

Fr 作用在轴上的载荷 [N]

M 作用在轴上的扭矩 [Nm]

d<sub>0</sub> 安装在轴上传动件的平均直径 [mm]

fz 传动附加系数

The radial loads exerted on the motor or gear shaft is then calculated as follows:

$$Fr = \frac{M \cdot 2000 \cdot fz}{d_0} \text{ (N)}$$

Fr Resulting radial load [N]

M Torque on the shafts [Nm]

d<sub>0</sub> Mean diameter of the mounted transmission element in [mm]

fz Transmission element factor

选型相关参数 / RELEVANT PARAMETER

当径向负荷不作用在轴中点时, 按以下公式计算有效负荷:

$$F_{xL} \leq Fr_2 \cdot \frac{a}{b+x} \text{ [N]}$$

Fr<sub>2</sub> 依据下面表格给出中底脚安装式齿轮减速机的许可径向载荷 (x=L/12) [N]

a, b 减速机径向换算常量 [mm]

X 轴肩到实际作用点的距离 [mm]

a, b, Fr<sub>2</sub> 的数值在下面表格给出:

The allowed radial load force on the shaft is calculated with the following formula:

$$F_{xL} \leq Fr_2 \cdot \frac{a}{b+x} \text{ [N]}$$

Fr<sub>2</sub> Permitted overhung load (x=L/2) for foot-mounted gear units according to the selection tables in [N]

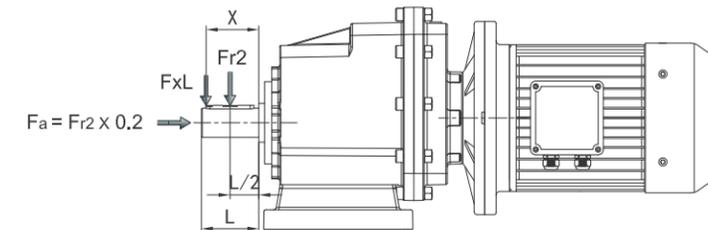
a, b Gear unit constant for overhung load conversion [mm]

X Distance from the shaft shoulder to the force application point in [mm]

The values of a, b, Fr<sub>2</sub> are given in the following tables:

	QRC01	QRC02	QRC03	QRC04
a	103	116.5	130	147
b	83	91.5	100	112

输出轴径向载荷和轴向载荷 Fr<sub>2</sub>, Fa / Output shafts radial loads & axial loads Fr<sub>2</sub>, Fa



Fr <sub>2</sub> [N]	η <sub>2</sub> [min <sup>-1</sup> ]	10	40	60	80	100	120	150	180	250	400
	QRC01	2500	2500	2180	1980	1840	1630	1400	1320	1080	920
QRC02	5000	5000	4370	3970	3680	3470	2710	2550	2150	1840	
QRC03	6500	6500	5550	5040	4510	3800	3530	3320	2800	2390	
QRC04	8000	8000	6590	5990	5230	4570	4240	3900	3350	2860	

选型表注释 / Selection tables comments

P <sub>1n</sub> [kW]	η <sub>2</sub> [r/min]	M <sub>2n</sub> [Nm]	i	fs			Page
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表示IEC与减速机的组合是可行的  
 表示IEC与减速机的组合是不可行的

P<sub>1n</sub> 电机额定功率 [kW]

η<sub>2</sub> 输出转速 [r/min]

M<sub>2n</sub> 输出扭矩 [Nm]

Combination with the IEC in the header row is possible  
 Combination with the IEC in the header row is not possible

P<sub>1n</sub> Rated power driving motor [KW]

η<sub>2</sub> Output speed [r/min]

M<sub>2n</sub> Rated output torque [Nm]

选型相关参数 / RELEVANT PARAMETER

$M_{2max}$  最大允许输出扭矩 [Nm]

$i$  减速机公称传动比

$fs$  使用系数



减速机型号



电机型号

page 外型尺寸表页码

\* 表示速比可除尽

$M_{2max}$  Permissible output torque[Nm]

$i$  Gear unit ratio

$fs$  Service factor



Gear unit type



Motor type

page Dimension sheet page no

\* Finite gear unit reduction ratio

选型举例 / SELECTION EXAMPLE

减速机 / Gear units

例：被驱动设备所需扭矩为200Nm，工作6小时/天，均匀冲击负载，启动频率200次/小时，输出转速 $n_2=50r/min$ ，要求减速机 $\Phi 160mm$ 输出法兰安装。查表，选使用系数 $fs=1.02$

$$M_{2n} \geq M_2 \cdot fs = 200 \times 1.02 = 204 \text{ (Nm)}$$

$$i = \frac{n_1}{n_2} = \frac{1400}{50} = 28$$

查SRC系列选型表可选定减速机为：  
QRCF03 I - P90B5 - 30.57

Example: The required torque on driven machine is 200Nm, works for 6 hours per day, Uniform shock load, start-up frequency is 200 times per hour,  $\Phi 160mm$  output flange-mounted,  $n_2=50r/min$ .

See tables,  $fs=1.02$

$$M_{2n} \geq M_2 \cdot fs = 200 \times 1.02 = 204 \text{ (Nm)}$$

$$i = \frac{n_1}{n_2} = \frac{1400}{50} = 28$$

Choose type:  
QRCF03 I - P90B5 - 30.57

减速电机 / Gear motor

例：被驱动设备所需功率0.75kw，工作8小时/天，中等冲击，连续启动，输出转速 $n_2=60r/min$ ，减速电机要求M2底脚安装。

查表，选使用系数 $fs=1.35$

$$i = \frac{n_1}{n_2} = \frac{1400}{60} = 28.33$$

$$P_{1n} \geq P_1 \cdot fs = \frac{P_2}{\eta} \cdot fs = \frac{0.75}{0.96} \times 1.35 = 1.05 \text{ (kW)}$$

查SRC系列选型表可选定减速电机型号为：  
QRC02 - P90B5-23.85-1.1KW-4 - M2

Example: The required power on driven machine 0.75kw, works for 8 hours per day, moderate shock load, start-up continuously, M2 foot-mounted,  $n_2=60r/min$ .

See tables,  $fs=1.35$

$$i = \frac{n_1}{n_2} = \frac{1400}{60} = 28.33$$

$$P_{1n} \geq P_1 \cdot fs = \frac{P_2}{\eta} \cdot fs = \frac{0.75}{0.96} \times 1.35 = 1.05 \text{ (kW)}$$

Choose type:  
QRC02 - P90B5-23.85-1.1KW-4 - M2

速比与IEC接口 / RATIO AND IEC MOTOR ADAPTERS

QRC..01..P(IEC)				
i	63B5	71B5 71B14	80B5 80B14	90B5 90B14
53.33				
45.89				
40.10				
35.47				
28.50				
23.56				
(20.75)				
19.83				
17.86				
(15.6)				
14.62				
13.80*				
11.90				
(11.1)				
9.81				
9.17				
7.72				
5.69				
4.63				
3.82				

SRC..02..P(IEC)				
i	63B5	71B5 71B14	80B5 80B14	90B5 90B14
54.00*				
46.46*				
40.60*				
35.91*				
28.88*				
23.85*				
20.08*				
(19.87)				
17.10				
(14.94)				
14.81*				
13.21				
12.05				
(10.63)*				
9.93				
8.78				
7.39				
5.45				
4.43				
3.66				

QRC..03..P(IEC)					
i	71B5	80B5 80B14	90B5 90B14	100B5 100B14	112B5 112B14
51.30*					
44.18*					
38.63					
34.20*					
30.57					
24.99					
21.15*					
19.24*					
18.21*					
(15.93)					
15.30*					
(14.10)*					
13.30*					
12.60					
10.93*					
(10.3)					
9.08					
7.93*					
6.31					
5.48					
4.50					
3.74					

QRC..04..P(IEC)				
i	80B5 80B14	90B5 90B14	100B5 100B14	112B5 112B14
51.30*				
44.18*				
38.63				
34.20*				
30.57				
24.99				
21.15*				
19.24*				
(18.21)*				
(15.93)				
15.30*				
(14.10)*				
13.30*				
12.60				
10.93*				
(10.30)				
9.08				
7.93*				
6.31				
5.48				
4.50				
3.74				

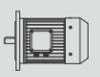
\* 表示速比可除尽 / Finite gear unit reduction ratio      ( ) 表示尽量不用 / Barely suitable speed ratio

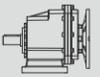
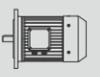
减速机选型表 / GEAR UNIT SELECTION TABLES

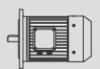
QRC..P(IEC)..性能参数 / Performance parameter

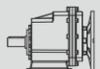
P <sub>in</sub> [kW]	n <sub>2</sub> [r/min]	M <sub>2n</sub> [Nm]	i	fs			Page	
0.12	26.3	42	53.33	2.9	<b>QRC01</b>	<b>63B5</b>	<b>6314</b>	21
	30.5	36	45.89	3.3	<b>QRCF01</b>	<b>63B5</b>	<b>6314</b>	21
	34.9	32	40.10	3.8	<b>QRCZ01</b>	<b>63B5</b>	<b>6314</b>	21
	39.5	28	35.47	4.3				
	49.1	22	28.50	5.4				
	59.4	18.5	23.56	6.5				
	70.6	15.6	19.83	7.7				
	78.4	14	17.86	7.1				
	95.8	11.5	14.62	10.4				
	101	10.8	13.80*	9.2				
	118	9.4	11.90	12.8				
	143	7.7	9.81	13.0				
	153	7.2	9.17	11.1				
	181	6.1	7.72	13.2				
0.18	246	4.5	5.69	13.4				
	302	3.6	4.63	16.5				
	366	3	3.82	20.0				
	16.9	98	53.33	1.2	<b>QRC01</b>	<b>71B5</b>	<b>7116</b>	21
	19.6	84	45.89	1.4	<b>QRCF01</b>	<b>71B5</b>	<b>7116</b>	21
	22.4	74	40.10	1.6	<b>QRCZ01</b>	<b>71B5</b>	<b>7116</b>	21
	25.4	65	35.47	1.8				
	31.6	52	28.50	2.3				
	26.3	63	53.33	1.9	<b>QRC01</b>	<b>63B5</b>	<b>6324</b>	21
	30.5	54	45.89	2.2	<b>QRCF01</b>	<b>63B5</b>	<b>6324</b>	21
	34.9	47	40.10	2.5	<b>QRCZ01</b>	<b>63B5</b>	<b>6324</b>	21
	39.5	42	35.47	2.9				
	49.1	34	28.50	3.6				
	59.4	28	23.56	4.3				
	70.6	23	19.83	5.1				
	78.4	21	17.86	4.8				
	95.8	17.2	14.62	7.0				
	101	16.3	13.80*	6.1				
	118	14	11.9	8.6				
	143	11.6	9.81	8.6				
	153	10.8	9.17	7.4				
	181	9.1	7.72	8.8				
	246	6.7	5.69	8.9				
	302	5.5	4.63	11.0				
366	4.5	3.82	13.3					
16.7	99	54.00*	2.0	<b>QRC02</b>	<b>71B5</b>	<b>7116</b>	23	
19.4	85	46.46*	2.3	<b>QRCF02</b>	<b>71B5</b>	<b>7116</b>	23	
22.2	74	40.60*	2.7	<b>QRCZ02</b>	<b>71B5</b>	<b>7116</b>	23	
25.1	66	35.91*	3.0					
31.2	53	28.88*	3.8					
25.9	64	54.00*	3.1	<b>QRC02</b>	<b>63B5</b>	<b>6324</b>	23	
30.4	55	46.46*	3.7	<b>QRCF02</b>	<b>63B5</b>	<b>6324</b>	23	
34.5	48	40.60*	4.2	<b>QRCZ02</b>	<b>63B5</b>	<b>6324</b>	23	

P <sub>in</sub> [kW]	n <sub>2</sub> [r/min]	M <sub>2n</sub> [Nm]	i	fs			Page	
0.25	16.9	136	53.33	0.88	<b>QRC01</b>	<b>71B5/B14</b>	<b>7126</b>	21
	19.6	117	45.89	1	<b>QRCF01</b>	<b>71B5/B14</b>	<b>7126</b>	21
	22.4	102	40.1	1.2	<b>QRCZ01</b>	<b>71B5/B14</b>	<b>7126</b>	21
	25.4	90	35.47	1.3				
	31.6	73	28.5	1.7				
	26.3	87	53.33	1.4	<b>QRC01</b>	<b>71B5/B14</b>	<b>7126</b>	21
	30.5	75	45.89	1.6	<b>QRCF01</b>	<b>71B5/B14</b>	<b>7126</b>	21
	34.9	66	40.1	1.8	<b>QRCZ01</b>	<b>71B5/B14</b>	<b>7126</b>	21
	39.5	58	35.47	2.1				
	49.1	47	28.5	2.6				
	59.4	39	23.56	3.1				
	70.6	32	19.83	3.7				
	78.4	29	17.86	3.4				
	95.8	24	14.62	5				
101	23	13.80*	4.4					
118	19.5	11.9	6.2					
143	16.1	9.81	6.2					
153	15	9.17	5.3					
181	12.6	7.72	6.3					
246	9.3	5.69	6.4					
302	7.6	4.63	7.9					
366	6.3	3.82	9.6					
16.7	138	54.00*	1.5	<b>QRC02</b>	<b>71B5/B14</b>	<b>7126</b>	23	
19.4	118	46.46*	1.7	<b>QRCF02</b>	<b>71B5/B14</b>	<b>7126</b>	23	
22.2	103	40.60*	1.9	<b>QRCZ02</b>	<b>71B5/B14</b>	<b>7126</b>	23	
25.1	91	35.91*	2.2					
31.2	74	28.88*	2.7					
25.9	88	54.00*	2.3	<b>QRC02</b>	<b>71B5/B14</b>	<b>7114</b>	23	
30.1	76	46.46*	2.6	<b>QRCF02</b>	<b>71B5/B14</b>	<b>7114</b>	23	
34.5	66	40.60*	3	<b>QRCZ02</b>	<b>71B5/B14</b>	<b>7114</b>	23	
39	59	35.91*	3.4					
48.5	47	28.88*	4.2					
22.4	151	40.10*	0.79	<b>QRC01</b>	<b>80B5/B14</b>	<b>8016</b>	21	
25.4	134	35.47*	0.9	<b>QRCF01</b>	<b>80B5/B14</b>	<b>8016</b>	21	
31.6	107	28.50*	1.1	<b>QRCZ01</b>	<b>80B5/B14</b>	<b>8016</b>	21	
38.2	89	23.56*	1.4					
26.3	129	53.33	0.93	<b>QRC01</b>	<b>71B5/B14</b>	<b>7124</b>	21	
30.5	111	45.89	1.1	<b>QRCF01</b>	<b>71B5/B14</b>	<b>7124</b>	21	
34.9	97	40.1	1.2	<b>QRCZ01</b>	<b>71B5/B14</b>	<b>7124</b>	21	
39.5	86	35.47	1.4					
49.1	69	28.5	1.7					
59.4	57	23.56	2.1					
70.6	48	19.83	2.5					
78.4	43	17.86	2.3					
95.8	35	14.62	3.4					
101	33	13.80*	3					
118	29	11.9	4.2					
143	24	9.81	4.2					
153	22	9.17	3.6					
181	19	7.72	4.3					
246	14	5.69	4.4					
302	11	4.63	5.3					
366	9	3.82	6.5					

$P_{in}$ [kW]	$n_2$ [r/min]	$M_{2n}$ [Nm]	$i$	$fs$			Page			
0.37	16.7	204	54.00*	1	<b>QRC02 80B5/B14 8016</b>	<b>8016</b>	23			
	19.4	175	46.46*	1.1			<b>QRCF02 80B5/B14 8016</b>	23		
	22.2	153	40.60*	1.3			<b>QRCZ02 80B5/B14 8016</b>	23		
	25.1	135	35.91*	1.5	<b>QRC02 71B5/B14 7124</b>	<b>7124</b>	23			
	31.2	109	28.88*	1.8						
	25.9	131	54.00*	1.5						
	30.1	113	46.46*	1.8						
	34.5	98	40.60*	2						
	39	87	35.91*	2.3	<b>QRC03 80B5/B14 8016</b>	<b>8016</b>	25			
	48.5	70	28.88*	2.9						
	58.7	58	23.85*	3.5						
	81.9	41	17.1	3.9						
	17.5	193	51.30*	1.6						
	20.4	167	44.18*	1.8						
	23.3	146	38.63	2.1						
	26.3	129	34.20*	2.3	<b>QRC03 71B5 7124</b>	<b>7124</b>	25			
	29.4	115	30.57	2.6						
	27.3	124	51.30*	2.4						
	31.7	107	44.18*	2.8						
	36.2	94	38.63	3.2						
40.9	83	34.20*	3.6							
0.55	31.6	160	28.5	0.75				<b>QRC01 80B5/B14 8026</b>	<b>8026</b>	21
	38.2	132	23.56	0.91						
	45.4	111	19.83	1.1	<b>QRCZ01 80B5/B14 8026</b>	21				
	34.9	144	40.1	0.8	<b>QRC01 80B5/B14 8014</b>	<b>8014</b>	21			
	39.5	128	35.47	0.9						
	49.1	103	28.5	1.2						
	59.4	85	23.56	1.4						
	70.6	71	19.83	1.7						
	78.4	64	17.86	1.6						
	95.8	53	14.62	2.3						
	101	50	13.80*	2						
	118	43	11.9	2.8						
	143	35	9.81	2.8						
	153	33	9.17	2.4	<b>QRC02 80B5/B14 8026</b>	<b>8026</b>	23			
	181	38	7.72	2.9						
	246	20	5.69	2.9						
	302	17	4.63	3.6						
	366	14	3.82	4.4						
	19.4	260	46.46*	0.77						
	22.2	227	40.60*	0.88						
25.1	201	35.91*	1							
31.2	162	28.88*	1.2							
37.7	134	23.85*	1.5							
25.9	194	54.00*	1.0	<b>QRC02 80B5/B14 8014</b>	<b>8014</b>	23				
30.1	167	46.46*	1.2							
34.5	146	40.60*	1.4							
39	129	35.91*	1.5							
48.5	104	28.88*	1.9							
58.7	86	23.85*	2.3							

$P_{in}$ [kW]	$n_2$ [r/min]	$M_{2n}$ [Nm]	$i$	$fs$			Page		
0.55	69.7	72	20.08*	2.8	<b>QRC02 80B5/B14 8014</b>	<b>8014</b>	23		
	81.9	62	17.10	2.6				<b>QRCF02 80B5/B14 8014</b>	23
	94.5	53	14.81*	3.7				<b>QRCZ02 80B5/B14 8014</b>	23
	17.5	287	51.30*	1.0	<b>QRC03 80B5/B14 8026</b>	<b>8026</b>	25		
	20.4	248	44.18*	1.2					
	23.3	216	38.63	1.4					
	26.3	192	34.20*	1.6					
	29.4	171	30.57	1.8					
	27.3	185	51.30*	1.6	<b>QRC03 80B5/B14 8014</b>	<b>8014</b>	25		
	31.7	159	44.18*	1.9					
	36.2	139	38.63	2.2					
	40.9	123	34.20*	2.4					
	45.8	110	30.57	2.7					
	56.0	90	24.99	3.3					
	0.75	49.1	140	28.50				0.86	<b>QRC01 80B5/B14 8024</b>
59.4		116	23.56	1.0	<b>QRCF01 80B5/B14 8024</b>	21			
70.6		97	19.83	1.2	<b>QRCZ01 80B5/B14 8024</b>	21			
78.4		88	17.86	1.1	<b>QRC01 80B5/B14 8014</b>	<b>8014</b>	21		
95.8		72	14.62	1.7					
101		68	13.80*	1.5					
118		58	11.90	2.1					
143		48	9.81	2.1					
153		45	9.17	1.8					
181		38	7.72	2.1					
246		28	5.69	2.1					
302		23	4.63	2.6					
366		19	3.82	3.2					
31.2		221	28.88*	0.91	<b>QRC02 90B5/B14 90S6</b>	<b>90S6</b>	23		
37.7		182	23.85*	1.1				<b>QRCF02 90B5/B14 90S6</b>	23
44.8		153	20.08*	1.3				<b>QRCZ02 90B5/B14 90S6</b>	23
30.1		228	48.46*	0.88	<b>QRC02 80B5/B14 8024</b>	<b>8024</b>	23		
34.5		199	40.60*	1.0					
39.0		176	35.91*	1.1					
48.5		142	28.88*	1.4					
58.7	117	23.85*	1.7						
69.7	99	20.08*	2.0						
81.9	84	17.10	1.9						
94.5	73	14.81*	2.7						
106	65	13.21*	2.5						
116.2	59	12.05	3.4						
141	49	9.93	3.3	<b>QRC02 80B5/B14 8012</b>	<b>8012</b>	23			
159	43	8.78	2.8						
189	36	7.39	3.3						
257	27	5.45	3.7						
97.0	71	28.88*	2.8						
117.4	59	23.85*	3.4						
139.4	49	20.08*	4.1						
163.7	42	17.10	3.8						

P <sub>in</sub> [kW]	n <sub>2</sub> [r/min]	M <sub>2n</sub> [Nm]	i	fs			Page
0.75	17.5	392	51.30*	0.77	<b>QRC03 90B5/B14 90S6</b>	<b>90S6</b>	25
	20.4	338	44.18*	0.89	<b>QRCF03 90B5/B14 90S6</b>	<b>90S6</b>	25
	23.3	295	38.63	1.0	<b>QRCZ03 90B5/B14 90S6</b>	<b>90S6</b>	25
	26.3	261	34.20*	1.1			
	29.4	234	30.57*	1.3			
	36.0	191	24.99	1.6			
	27.3	252	51.30*	1.2	<b>QRC03 80B5/B14 80S6</b>	<b>80S6</b>	25
	31.7	217	44.18*	1.4	<b>QRCF03 80B5/B14 80S6</b>	<b>80S6</b>	25
	36.2	190	38.63	1.6	<b>QRCZ03 80B5/B14 80S6</b>	<b>80S6</b>	25
	40.9	168	34.20*	1.8			
	45.8	150	30.57	2.0			
	56.0	123	24.99	2.4			
	66.2	104	21.15*	2.7			
	72.8	94	19.24*	3.0			
	76.9	89	18.21*	3.1			
	91.5	75	15.30*	3.7			
	105	65	13.30*	3.8			
	111	62	12.60	4.0			
	17.5	392	51.30*	1.3	<b>QRC04 90B5/B14 90S6</b>	<b>90S6</b>	27
	20.4	338	44.18*	1.5	<b>QRCF04 90B5/B14 90S6</b>	<b>90S6</b>	27
	23.3	295	38.63	1.7	<b>QRCZ04 90B5/B14 90S6</b>	<b>90S6</b>	27
	26.3	261	34.20*	1.8			
	29.4	234	30.57*	2.1			
	27.3	252	51.30*	2.0	<b>QRC04 80B5/B14 80S6</b>	<b>80S6</b>	27
31.7	217	44.18*	2.3	<b>QRCF04 80B5/B14 80S6</b>	<b>80S6</b>	27	
36.2	190	38.63	2.6	<b>QRCZ04 80B5/B14 80S6</b>	<b>80S6</b>	27	
40.9	168	34.20*	2.9				
45.8	150	30.57	3.2				
56.0	123	24.99	3.9				
66.2	104	21.15*	4.0				
1.1	70.6	143	19.83	0.84	<b>QRC01 90B5/B14 90S4</b>	<b>90S4</b>	21
	78.4	129	17.86	0.78	<b>QRCF01 90B5/B14 90S4</b>	<b>90S4</b>	21
	95.8	105	14.62	1.1	<b>QRCZ01 90B5/B14 90S4</b>	<b>90S4</b>	21
	101	99	13.80*	1.0			
	118	86	11.90	1.4			
	143	71	9.81	1.4			
	153	66	9.17	1.2			
	181	56	7.72	1.4			
	246	41	5.69	1.5			
	302	33	4.63	1.8			
	366	28	3.82	2.2			
	285	35	9.81	2.8	<b>QRC01 80B5/B14 80S2</b>	<b>80S2</b>	21
	305	33	9.17	2.4	<b>QRCF01 80B5/B14 80S2</b>	<b>80S2</b>	21
	363	28	7.72	2.9	<b>QRCZ01 80B5/B14 80S2</b>	<b>80S2</b>	21
	492	20	5.69	2.9			
	605	17	4.63	3.6			
	733	14	3.82	4.4			
	39.0	259	35.91*	0.77	<b>QRC02 90B5/B14 90S4</b>	<b>90S4</b>	23
	48.5	208	28.88*	1.0	<b>QRCF02 90B5/B14 90S4</b>	<b>90S4</b>	23
	58.7	172	23.85*	1.2	<b>QRCZ02 90B5/B14 90S4</b>	<b>90S4</b>	23
	69.7	145	20.08*	1.4			
	81.9	123	17.10	1.3			

P <sub>in</sub> [kW]	n <sub>2</sub> [r/min]	M <sub>2n</sub> [Nm]	i	fs			Page
1.1	94.5	107	14.81*	1.9	<b>QRC02 90B5/B14 90S4</b>	<b>90S4</b>	23
	106	95	13.21	1.7	<b>QRCF02 90B5/B14 90S4</b>	<b>90S4</b>	23
	116	87	12.05	2.3	<b>QRCZ02 90B5/B14 90S4</b>	<b>90S4</b>	23
	141	72	9.93	2.2			
	159	63	8.78	1.9			
	189	53	7.39	2.3			
	257	39	5.45	2.5			
	316	32	4.43	3.1			
	383	26	3.66	3.8			
	27.3	370	51.30*	0.81	<b>QRC03 90B5/B14 90S4</b>	<b>90S4</b>	25
	31.7	318	44.18*	0.94	<b>QRCF03 90B5/B14 90S4</b>	<b>90S4</b>	25
	36.2	278	38.63	1.1	<b>QRCZ03 90B5/B14 90S4</b>	<b>90S4</b>	25
	40.9	246	34.20*	1.2			
	45.8	220	30.57	1.4			
	56.0	180	24.99	1.7			
	66.2	152	21.15*	1.8			
	72.8	139	19.24*	2.0			
	76.9	131	18.21*	2.1			
	91.5	110	15.30*	2.5			
	72.5	139	38.63	2.2	<b>QRC03 80B5/B14 80S2</b>	<b>80S2</b>	25
	81.9	123	34.20*	2.4	<b>QRCF03 80B5/B14 80S2</b>	<b>80S2</b>	25
	91.6	110	30.57	2.7	<b>QRCZ03 80B5/B14 80S2</b>	<b>80S2</b>	25
	112.0	90	24.99	3.3			
	132.4	76	21.15*	3.7			
	145.5	69	19.24*	4.0			
	153.8	69	18.21*	4.3			
	27.3	370	51.30*	1.4	<b>QRC04 90B5/B14 90S4</b>	<b>90S4</b>	27
	31.7	318	44.18*	1.6	<b>QRCF04 90B5/B14 90S4</b>	<b>90S4</b>	27
	36.2	278	38.63	1.8	<b>QRCZ04 90B5/B14 90S4</b>	<b>90S4</b>	27
	40.9	246	34.20*	1.9			
	45.8	220	30.57	2.2			
	56.0	180	24.99	2.7			
	66.2	152	21.15*	2.8			
	72.8	139	19.24*	3.0			
	76.9	131	18.21*	3.2			
	91.5	110	15.30*	3.8			
105	96	13.30	3.7				
1.5	118	117	11.90	1.0	<b>QRC01 90B5/B14 90L4</b>	<b>90L4</b>	21
	143	96	9.81	1.0	<b>QRCF01 90B5/B14 90L4</b>	<b>90L4</b>	21
	153	90	9.17	0.9	<b>QRCZ01 90B5/B14 90L4</b>	<b>90L4</b>	21
	181	76	7.72	1.1			
	246	56	5.69	1.1			
	302	45	4.63	1.3			
	366	38	3.82	1.6			
	305	45	9.17	1.8	<b>QRC01 90B5/B14 90S2</b>	<b>90S2</b>	21
	363	38	7.72	2.1	<b>QRCF01 90B5/B14 90S2</b>	<b>90S2</b>	21
	492	28	5.69	2.1	<b>QRCZ01 90B5/B14 90S2</b>	<b>90S2</b>	21
	605	23	4.63	2.6			
	733	19	3.82	3.2			

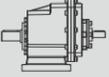
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1.5	58.7	234	23.85*	0.85	<b>QRC02 90B5/B14 90L4</b>		23														
	69.7	197	20.08*	1.0			<b>QRCF02 90B5/B14 90L4</b>		23												
	81.9	168	17.10	1.0					<b>QRCZ02 90B5/B14 90L4</b>		23										
	94.5	145	14.81*	1.4							<b>QRC02 90B5/B14 90S2</b>		23								
	106	130	13.21	1.2									<b>QRCF02 90B5/B14 90S2</b>		23						
	116	118	12.05	1.7											<b>QRCZ02 90B5/B14 90S2</b>		23				
	141	98	9.93	1.6													<b>QRC03 90B5/B14 90L4</b>		25		
	159	86	8.78	1.4															<b>QRCF03 90B5/B14 90L4</b>		25
	189	73	7.39	1.7																	<b>QRCZ03 90B5/B14 90L4</b>
	257	54	5.45	1.9	<b>QRC03 90B5/B14 90S2</b>																
	316	44	4.43	2.3			<b>QRCF03 90B5/B14 90S2</b>														
	383	36	3.66	2.8					<b>QRCZ03 90B5/B14 90S2</b>												
	212	65	13.21	2.5							<b>QRC04 100B5/B14 100L6</b>										
	232	59	12.05	3.4									<b>QRCF04 100B5/B14 100L6</b>								
	282	49	9.93	3.3											<b>QRCZ04 100B5/B14 100L6</b>						
	319	43	8.78	2.8													<b>QRC04 90B5/B14 90L4</b>				
	379	36	7.39	3.3															<b>QRCF04 90B5/B14 90L4</b>		
	514	27	5.45	3.7																	<b>QRCZ04 90B5/B14 90L4</b>
	40.9	336	34.20*	0.89	<b>QRC04 90B5/B14 90L4</b>																
	45.8	300	30.57	1.0			<b>QRCF04 90B5/B14 90L4</b>														
	56.0	245	24.99	1.2					<b>QRCZ04 90B5/B14 90L4</b>												
	66.2	208	21.15*	1.3							<b>QRC03 90B5/B14 90S2</b>										
	72.8	189	19.24*	1.5									<b>QRCF03 90B5/B14 90S2</b>								
	76.9	179	18.21*	1.6											<b>QRCZ03 90B5/B14 90S2</b>						
	91.5	150	15.30*	1.9													<b>QRC03 100B5/B14 100L24</b>				
	105	131	13.30*	1.9															<b>QRCF03 100B5/B14 100L24</b>		
	111	124	12.60	2.0																	<b>QRCZ03 100B5/B14 100L24</b>
	128	107	10.93*	1.7	<b>QRC04 100B5/B14 100L24</b>																
	154	89	9.08	2.0			<b>QRCF04 100B5/B14 100L24</b>														
	177	78	7.93*	2.3					<b>QRCZ04 100B5/B14 100L24</b>												
	222	62	6.31	2.9							<b>QRC04 100B5/B14 100L24</b>										
	255	54	5.48	2.8									<b>QRCF04 100B5/B14 100L24</b>								
	311	44	4.50	3.4											<b>QRCZ04 100B5/B14 100L24</b>						
	374	37	3.74	4.1													<b>QRC04 90B5/B14 90L4</b>				
	256	54	10.93*	3.4															<b>QRCF04 90B5/B14 90L4</b>		
	308	45	9.08	4.0																	<b>QRCZ04 90B5/B14 90L4</b>
	353	39	7.93*	4.6	<b>QRC04 90B5/B14 90L4</b>																
	26.3	523	34.20*	0.92			<b>QRC04 90B5/B14 90L4</b>														
	29.4	467	30.57	1.0					<b>QRCF04 90B5/B14 90L4</b>												
	36.0	382	24.99	1.3							<b>QRCZ04 90B5/B14 90L4</b>										
	27.3	504	51.30*	1.0									<b>QRC04 90B5/B14 90L4</b>								
	31.7	434	44.18*	1.2											<b>QRCF04 90B5/B14 90L4</b>						
36.2	379	38.63	1.3	<b>QRCZ04 90B5/B14 90L4</b>														27			
40.9	336	34.20*	1.4															<b>QRC04 90B5/B14 90L4</b>		27	
45.8	300	30.57	1.6																	<b>QRCF04 90B5/B14 90L4</b>	
56.0	245	24.99	2.0		<b>QRCZ04 90B5/B14 90L4</b>																
66.2	208	21.15*	2.0				<b>QRC04 90B5/B14 90L4</b>														
72.8	189	19.24*	2.2						<b>QRCF04 90B5/B14 90L4</b>												
76.9	179	18.21*	2.3								<b>QRCZ04 90B5/B14 90L4</b>										
91.5	150	15.30*	2.8										<b>QRC04 90B5/B14 90L4</b>								
105	131	13.30*	2.7												<b>QRCF04 90B5/B14 90L4</b>						
111	124	12.60	2.8	<b>QRCZ04 90B5/B14 90L4</b>																	
128	107	10.93*	2.6															<b>QRC04 90B5/B14 90L4</b>			
154	89	9.08	3.1																	<b>QRCF04 90B5/B14 90L4</b>	
177	78	7.93*	3.3		<b>QRCZ04 90B5/B14 90L4</b>																

P <sub>in</sub> [kW]	n <sub>2</sub> [r/min]	M <sub>2n</sub> [Nm]	i	fs			Page														
2.2	72.8	277	19.24*	1.0	<b>QRC03 100B5/B14 100L14</b>		25														
	91.5	220	15.30*	1.1			<b>QRCF03 100B5/B14 100L14</b>		25												
	105	192	13.30*	1.3					<b>QRCZ03 100B5/B14 100L14</b>		25										
	111	182	12.60	1.4							<b>QRC03 90B5/B14 90L2</b>		25								
	128	157	10.93*	1.1									<b>QRCF03 90B5/B14 90L2</b>		25						
	154	131	9.08	1.4											<b>QRCZ03 90B5/B14 90L2</b>		25				
	177	114	7.93*	1.6													<b>QRC04 112B5/B14 112M6</b>		27		
	222	91	6.31	2.0															<b>QRCF04 112B5/B14 112M6</b>		27
	255	79	5.48	1.9																	<b>QRCZ04 112B5/B14 112M6</b>
	311	65	4.50	2.3	<b>QRC04 100B5/B14 100L14</b>																
	374	54	3.74	2.8			<b>QRCF04 100B5/B14 100L14</b>														
	308	65	9.08	2.8					<b>QRCZ04 100B5/B14 100L14</b>												
	353	57	7.93*	3.2							<b>QRC04 100B5/B14 100L14</b>										
	444	45	6.31	4.0									<b>QRCF04 100B5/B14 100L14</b>								
	511	39	5.48	3.8											<b>QRCZ04 100B5/B14 100L14</b>						
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	46.8	431	19.24*	1.0															<b>QRCF04 100B5/B14 100L14</b>		
	40.9	493	34.20*	1.0																	<b>QRCZ04 100B5/B14 100L14</b>
	45.8	440	30.57	1.1	<b>QRC04 100B5/B14 100L14</b>																
	56.0	360	24.99	1.3			<b>QRCF04 100B5/B14 100L14</b>														
	72.8	277	19.24*	1.5					<b>QRCZ04 100B5/B14 100L14</b>												
	91.5	220	15.30*	1.9							<b>QRC04 100B5/B14 100L24</b>										
	105	192	13.30*	1.8									<b>QRCF04 100B5/B14 100L24</b>								
	111	182	12.60	1.9											<b>QRCZ04 100B5/B14 100L24</b>						
	128	157	10.93*	1.8													<b>QRC04 100B5/B14 100L24</b>				
	154	131	9.08	2.1															<b>QRCF04 100B5/B14 100L24</b>		
	177	114	7.93*	2.3																	<b>QRCZ04 100B5/B14 100L24</b>
	222	91	6.31	2.9	<b>QRC04 100B5/B14 100L24</b>																
	255	79	5.48	2.9			<b>QRCF04 100B5/B14 100L24</b>														
	311	65	4.50	3.5					<b>QRCZ04 100B5/B14 100L24</b>												
374	54	3.74	4.3	<b>QRC04 100B5/B14 100L24</b>								25									
91.5	301	15.30*	0.93									<b>QRCF04 100B5/B14 100L24</b>		25							
105	261	13.30*	1.0											<b>QRCZ04 100B5/B14 100L24</b>		25					
111	248	12.60	1.0													<b>QRC04 100B5/B14 100L24</b>		25			
128	215	10.93*	0.8															<b>QRCF04 100B5/B14 100L24</b>		25	
154	178	9.08	1.0																	<b>QRCZ04 100B5/B14 100L24</b>	
177	156	7.93*	1.2		<b>QRC04 100B5/B14 100L24</b>																
222	124	6.31	1.5				<b>QRCF04 100B5/B14 100L24</b>														
255	108	5.48	1.4						<b>QRCZ04 100B5/B14 100L24</b>												
311	88	4.50	1.7	<b>QRC04 100B5/B14 100L24</b>																	
374	73	3.74	2.0									<b>QRCF04 100B5/B14 100L24</b>									
45.8	601	30.57	0.80											<b>QRCZ04 100B5/B14 100L24</b>							
56.0	491	24.99	1.0													<b>QRC04 100B5/B14 100L24</b>					
72.8	378	19.24*	1.1															<b>QRCF04 100B5/B14 100L24</b>			
91.5	301	15.30*																			

P <sub>in</sub> [kW]	n <sub>2</sub> [r/min]	M <sub>2n</sub> [Nm]	i	fs			Page		
3	177	156	7.93*	1.7	<b>QRC04 100B5/B14</b>	<b>100L24</b>	27		
	222	124	6.31	2.1			<b>QRCF04 100B5/B14</b>	<b>100L24</b>	27
	255	108	5.48	2.1			<b>QRCZ04 100B5/B14</b>	<b>100L24</b>	27
	311	88	4.50	2.6	<b>QRC04 100B5/B14</b>	<b>100L2</b>	27		
	374	73	3.74	3.1			27		
	308	89	9.08	3.1			27		
	353	78	7.93*	3.3			27		
	444	62	6.31	4.2			27		
	511	54	5.48	4.3			27		
	177	208	7.93*	0.87			<b>QRC03 112B5/B14</b>	<b>112M4</b>	25
222	165	6.31	1.1	<b>QRCF03 112B5/B14</b>	<b>112M4</b>	25			
255	144	5.48	1.0	<b>QRCZ03 112B5/B14</b>	<b>112M4</b>	25			
311	188	4.50	1.3	<b>QRC04 112B5/B14</b>	<b>112M4</b>	27			
374	98	3.74	1.5			27			
4	105	348	13.30*	1.0	<b>QRC04 112B5/B14</b>	<b>112M4</b>	27		
	111	330	12.60	1.1			<b>QRCF04 112B5/B14</b>	<b>112M4</b>	27
	128	286	10.93*	1.0			<b>QRCZ04 112B5/B14</b>	<b>112M4</b>	27
	154	238	9.08	1.2	<b>QRC04 112B5/B14</b>	<b>112M2</b>	27		
	177	208	7.93*	1.3			27		
	222	165	6.31	1.6			27		
	255	144	5.48	1.6			27		
	311	118	4.50	2.0			27		
	374	98	3.74	2.3			27		
	308	119	9.08	2.4			<b>QRC04 112B5/B14</b>	<b>112M2</b>	27
	353	104	7.93*	2.5	<b>QRCF04 112B5/B14</b>	<b>112M2</b>	27		
	444	83	6.31	3.1	<b>QRCZ04 112B5/B14</b>	<b>112M2</b>	27		
	511	72	5.48	3.2	<b>QRC04 112B5/B14</b>	<b>112M2</b>	27		
622	59	4.50	3.9	27					

SRC..HS..性能参数 / Performance parameter

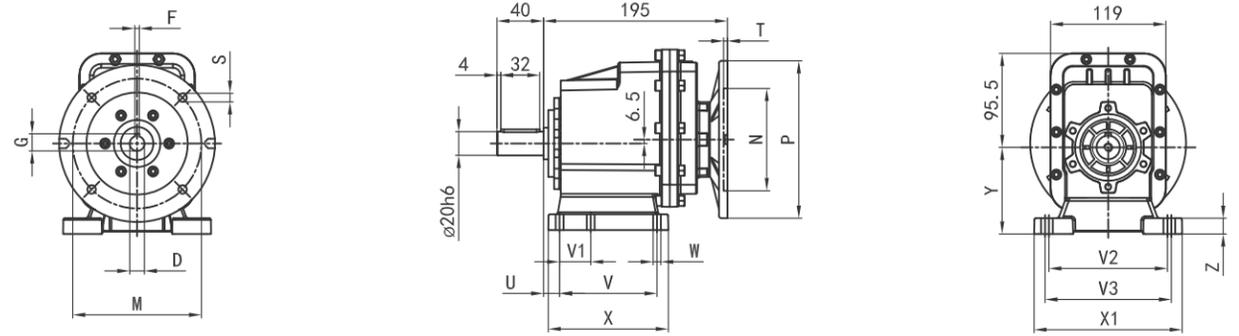
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<b>120</b>	1400	53.33	0.34	26.3	<b>QRC01 - HS</b>	22	
<b>120</b>	1400	45.89	0.40	30.5		<b>QRCF01 - HS</b>	22
<b>120</b>	1400	40.10	0.46	34.9		<b>QRCZ01 - HS</b>	22
<b>120</b>	1400	35.47	0.52	39.5	<b>QRC02 - HS</b>	24	
<b>120</b>	1400	28.50	0.64	49.1			
<b>120</b>	1400	23.56	0.78	59.4			
<b>120</b>	1400	19.83	0.92	70.6			
<b>100</b>	1400	17.86	0.86	78.4			
<b>120</b>	1400	14.62	1.25	95.7			
<b>100</b>	1400	13.80*	1.10	101			
<b>120</b>	1400	11.90	1.54	118			
<b>100</b>	1400	9.81	1.56	143			
<b>80</b>	1400	9.17	1.34	153			
<b>80</b>	1400	7.72	1.58	181			
<b>60</b>	1400	5.69	1.61	246			
<b>60</b>	1400	4.63	1.98	302			
<b>60</b>	1400	3.82	2.40	367			
<b>200</b>	1400	54.00*	0.57	25.9	<b>QRC02 - HS</b>	24	
<b>200</b>	1400	46.46*	0.66	30.1	<b>QRCF02 - HS</b>	24	
<b>200</b>	1400	40.60*	0.75	34.5	<b>QRCZ02 - HS</b>	24	
<b>200</b>	1400	35.91*	0.85	39	<b>QRC02 - HS</b>	24	
<b>200</b>	1400	28.88*	1.06	48.5			
<b>200</b>	1400	23.85*	1.28	58.7			
<b>200</b>	1400	20.08*	1.52	69.7			
<b>160</b>	1400	17.10	1.43	81.9			
<b>200</b>	1400	14.81*	2.06	94.6			
<b>160</b>	1400	13.21	1.85	106			
<b>200</b>	1400	12.05	2.53	116			
<b>160</b>	1400	9.93	2.46	141			
<b>120</b>	1400	8.78	2.08	159			
<b>120</b>	1400	7.39	2.49	190			
<b>100</b>	1400	5.45	2.80	257			
<b>100</b>	1400	4.43	3.45	316			
<b>100</b>	1400	3.66	4.18	383			

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300	1400	51.30*	0.89	27.3	<b>QRC03 - HS</b>	26
300	1400	44.18*	1.04	31.7	<b>QRCF03 - HS</b>	26
300	1400	38.63	1.19	36.2	<b>QRCZ03 - HS</b>	26
300	1400	34.20*	1.34	40.9		
300	1400	30.57	1.50	45.8		
300	1400	24.99	1.83	56.0		
280	1400	21.15*	2.02	66.2		
280	1400	19.24*	2.22	72.8		
250	1400	18.21*	2.10	76.9		
280	1400	15.30*	2.79	91.5		
250	1400	13.30*	2.86	105		
250	1400	12.60	3.03	111		
180	1400	10.93*	2.51	128		
180	1400	9.08	3.02	154		
180	1400	7.93*	3.46	176		
180	1400	6.31	4.36	222		
150	1400	5.48	4.17	255		
150	1400	4.50	5.09	311		
150	1400	3.74	6.12	374		
500	1400	51.30*	1.49	27.3	<b>QRC04 - HS</b>	28
500	1400	44.18*	1.73	31.7	<b>QRCF04 - HS</b>	28
500	1400	38.63	1.98	36.2	<b>QRCZ04 - HS</b>	28
480	1400	34.20*	2.14	40.9		
480	1400	30.57	2.40	45.8		
480	1400	24.99	2.93	56.0		
480	1400	21.15*	2.02	66.2		
420	1400	19.24*	3.34	72.8		
420	1400	15.30*	4.19	91.5		
350	1400	13.30*	4.01	105		
350	1400	12.60	4.24	111		
280	1400	10.93*	3.91	128		
280	1400	9.08	4.70	154		
260	1400	7.93*	4.99	176		
260	1400	6.31	6.30	222		
230	1400	5.48	6.40	255		
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外形尺寸图表 / OUTLINE DIMENSION SHEET

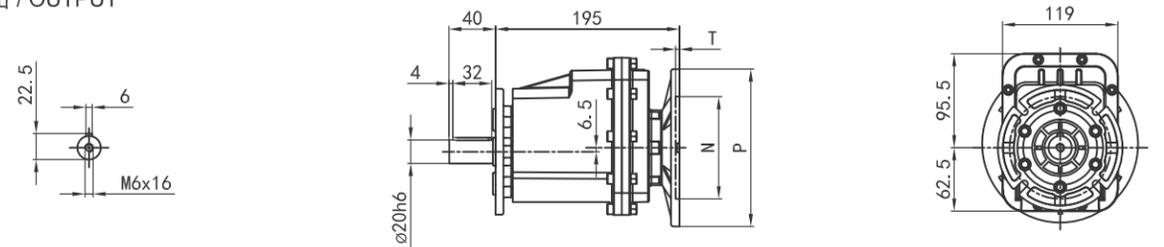
QRC 01..P(IEC)

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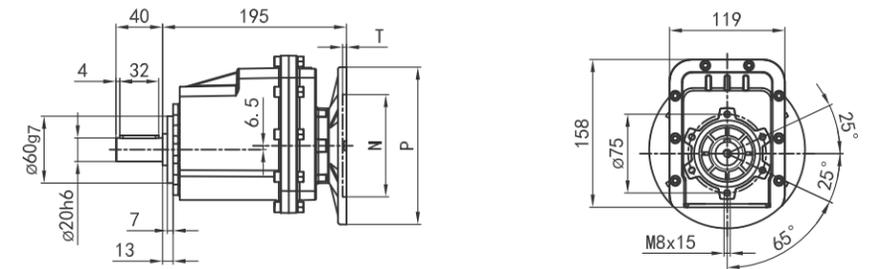


QRCF 01..P(IEC)

输出 / OUTPUT



QRCZ 01..P(IEC)



IEC	D	F	G	P	M	N	S	T
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71B5	14	5	16.3	160	130	110	9	5
71B14	14	5	16.3	105	85	70	7	5
80B5	19	6	21.8	200	165	130	11	5
80B14	19	6	21.8	120	100	80	7	5
90B5	24	8	27.3	200	165	130	11	5
90B14	24	8	27.3	140	115	95	9	5

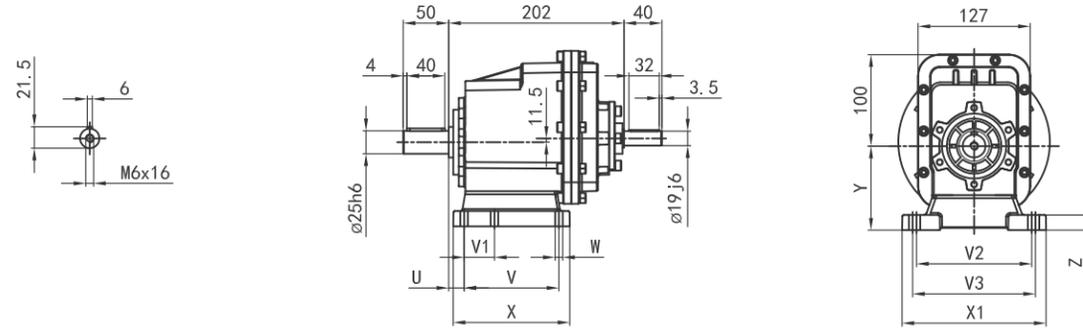
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M01	18	80	-	110	120	9	118	145	75	15
M02	25	85	-	110	120	9	112	145	75	15
B02	18	107.5	60	-	130	11	136	155	95	17



外形尺寸图表 / OUTLINE DIMENSION SHEET

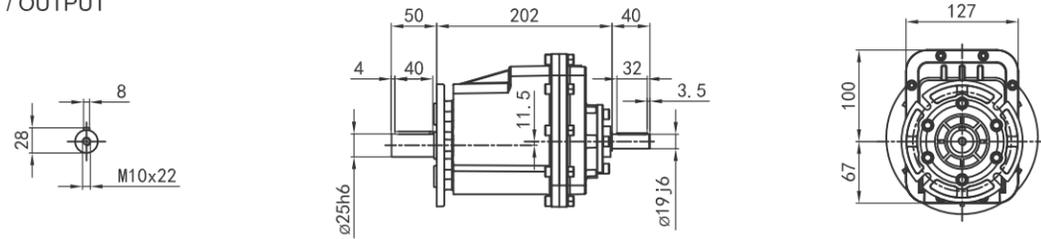
QRC 02..HS

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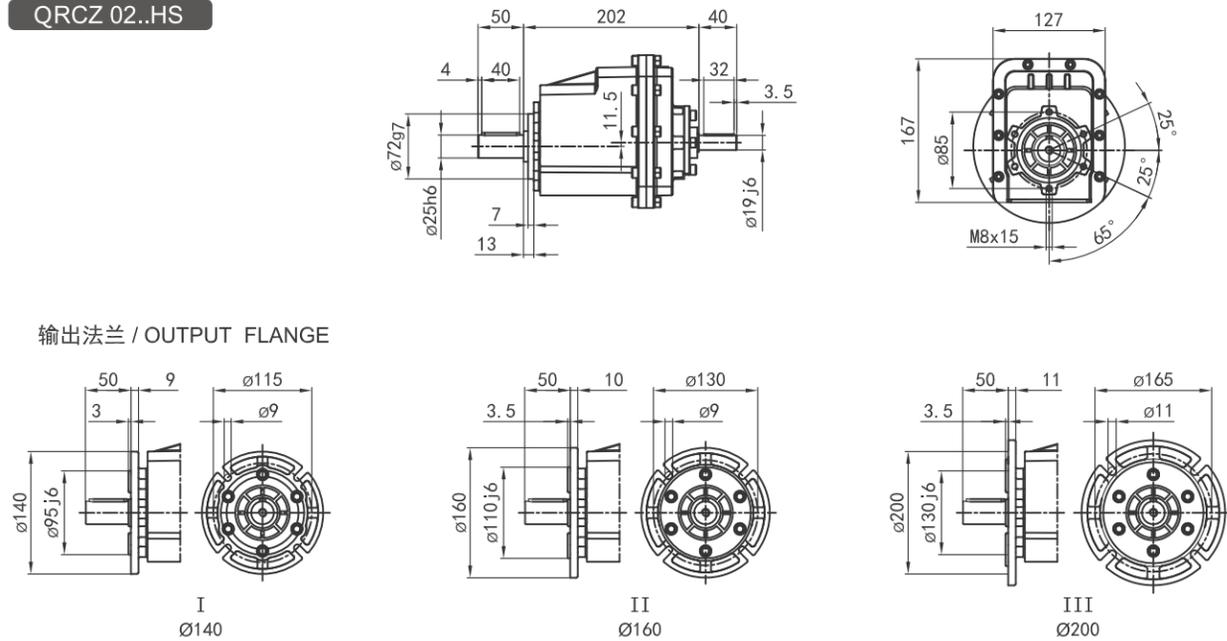
QRCF 02..HS

输出 / OUTPUT



QRCZ 02..HS

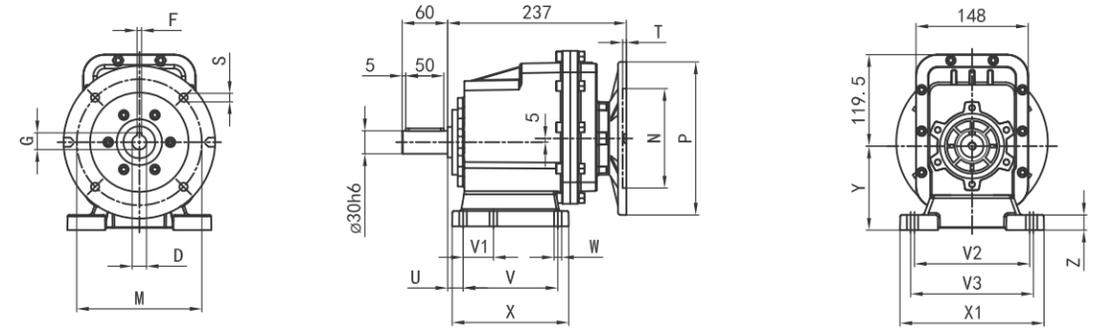
输出法兰 / OUTPUT FLANGE



外形尺寸图表 / OUTLINE DIMENSION SHEET

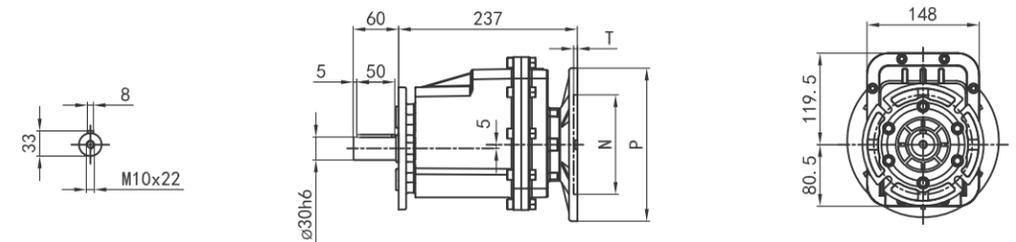
QRC 03..P(IEC)

输入 / INPUT



QRCF 03..P(IEC)

输出 / OUTPUT



QRCZ 03..P(IEC)

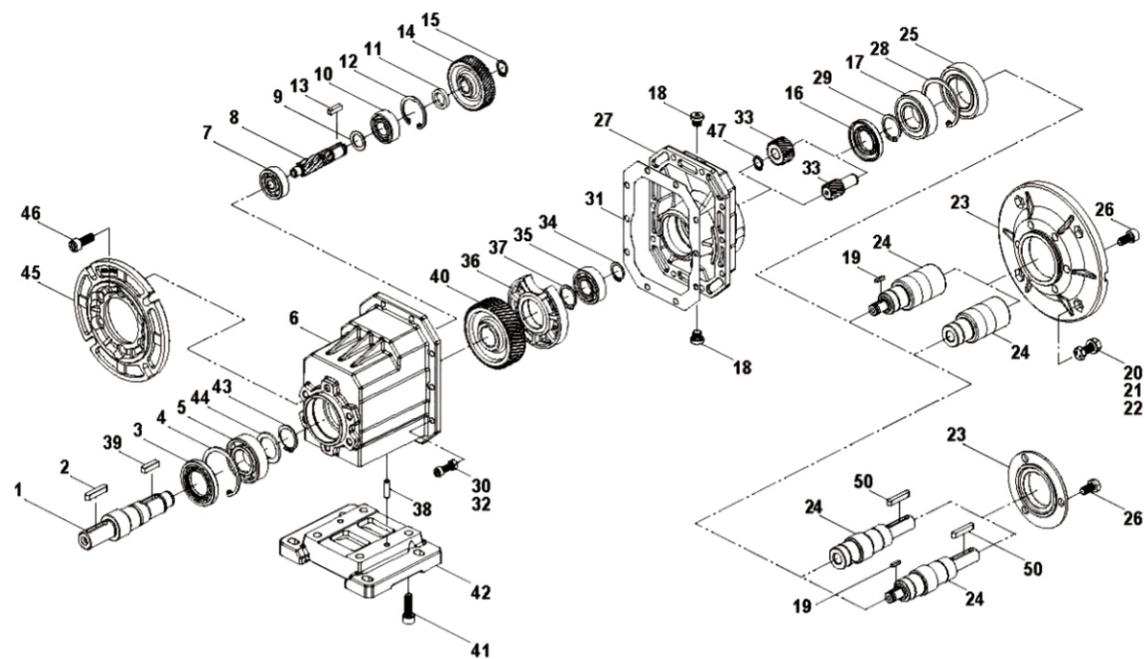
IEC	D	F	G	P	M	N	S	T
71B5	14	5	16.3	160	130	110	9	5
80B5	19	6	21.8	200	165	130	11	5
80B14	19	6	21.8	120	100	80	7	5
90B5	24	8	27.3	200	165	130	11	5
90B14	24	8	27.3	140	115	95	9	5
100/112B5	28	8	31.3	250	215	180	13.5	5
100/112B14	28	8	31.3	160	130	110	9	5

底脚代号 Foot Code	U	V	V1	V2	V3	W	X	X1	Y	Z
B03	18	130	70	-	160	11	156	190	110	20
M03	30	100	-	135	150	11	150	190	110	18
M04	32	110	-	170	185	14	150	230	110	20
B04	20.5	130	-	170	-	14	168	205	105	20





产品构造原理 / BASIC STRUCTURE



1	输出轴 / Output shaft	25	轴承/Bearing
2	平键 / Parallel key	26	内六角螺钉/Inner hex screw
3	油封 / Oil seal	27	输入盖/Intput cover
4	孔用挡圈 / Hole circlip	28	孔用挡圈/Hole circlip
5	轴承 / Bearing	29	轴用挡圈/Shaft circlip
6	齿轮箱体 / Gear box	30	六角螺母/Hex head bolt
7	轴承 / Bearing	31	密封垫/Housing gasket
8	主动齿轮轴 / Pinion shaft	32	内六角螺钉/Inner hex screw
9	挡圈 / Circlips retaining rings	33	主动齿轮/Pinion
10	轴承 / Bearing	34	轴用挡圈/Shaft circlip
11	间隔环 / Spacer ring	35	轴承/Bearing
12	孔用挡圈 / Hole circlip	36	支承座/Support seat
13	平键 / Parallel key	37	轴用挡圈/Shaft circlip
14	从动齿轮 / Gear	38	圆柱销/Cylindrical pin
15	轴用挡圈 / Shaft circlip	39	平键/Parallel key
16	油封 / Oil seal	40	从动齿轮/Gear
17	轴承 / Bearing	41	内六角螺钉/Inner hex screw
18	油塞 / Oil plug	42	底座/Foot
19	平键 / Parallel key	43	轴用挡圈/Shaft circlip
20	六角头螺栓 / Hex head bolt	44	垫圈/Washe
21	垫圈 / Washe	45	输出法兰/Output flange
22	六角螺母 / Hex head bolt	46	内六角花形螺钉/Hex socket screws
23	输入法兰 / Intput flange	47	轴用挡圈/Shaft circlip
24	输入轴 / Intput shaft	48	平键/Parallel key