一、四大系列齿轮减速机产品概述 General Introduction on Foour-Series Gear Units

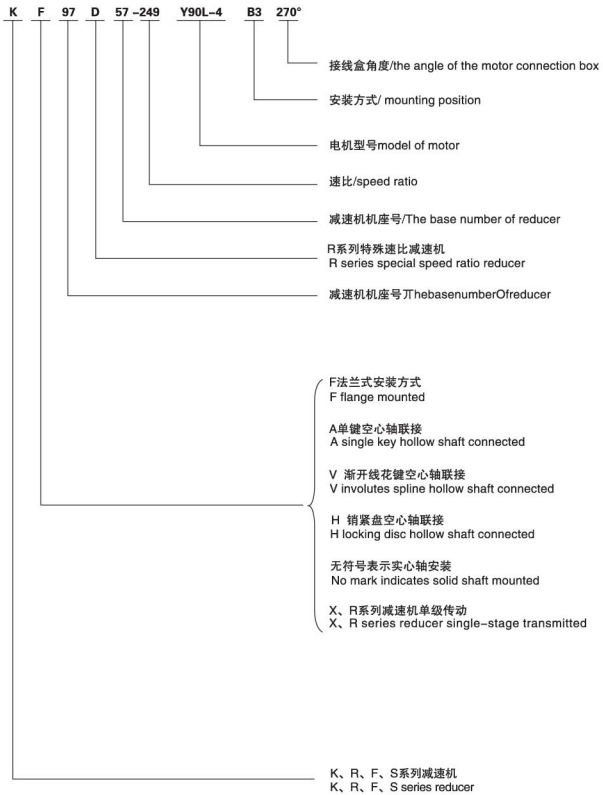
本公司减速机生产的R、K、S、F 四个系列的减速机是由Y系列电机，斜齿轮、格里森圆弧锥齿轮、蜗轮蜗杆组合而成的新颖减速传动装置，齿轮采用高耐磨优质合金材料并经特种处理及精密加工。该系列产品有以下特点：

1、该系列减速机结构紧凑，体积小，造型美观，承受能力强
2、传动比分级精细，选择范围广，转速型谱宽，范围i=1.3~32000。
3、能耗低，性能优越，减速机效率高达96%，振动小，噪音低。
4、通用性能强，使用维护方便，维护成本低，特别是生产线，只需备用内部几个传动件即可保证整线正常生产的维修保养。
5、采用新型密封装置，保护性能好，对环境适应性强，可在有腐蚀、潮湿等恶劣环境中连续工作。
6、本系列产品可匹配普通Y系列、Y2系列、超重电机、防爆电机、制动电机、变频电机、直流电机、户外型专用电机等各种电动机，还可通过装置本公司生产的MB型无极变速机组成无级调速减速电机，满足各种不同的用途。
7、产品采用了系列化、模块化的设计思路，有广泛的适应性，本系列产品有多种电机组合、安装位置和结构方案，可按你的实际需要选择任意转速和各种结构形式。
8、这四个系列的减速机的箱体全部是带筋的高钢性铸铁箱体；斜齿轮采用高耐磨优质合金材料锻打而成，表面经过渗碳淬火硬化处理；经过精密加工(磨齿)，确保平行度和定位的精度，这一切构成了齿轮传动的完美组合。
9、输出扭矩范围69-18000Nm的斜齿轮减速电机，体积小，输出功率可达200kw。

The four-seris fear units, produced by our company. Are novel transmission device and composed of Y series motor, helical gear, Gelisen arc cone gear and worm gear. The gears are made of high wear-resisting alloy materials, specially treated and finely processed. The advantanges are as following:

1. Compact design, small volume, nice appearance and strong capacity of being overloaded.
2. precise division and wide selection range (1=1.3-32000) for transmission ratio.
3. The efficiency is up to as high as 96% with low energy consumption, excellent function, small vibration and low noise.
4. All-purpose use, convenient and low-cost maintenance. Especially for production line, proper maintenance is achieved by using some internal transmission spare parts.
5. New seal device is adopted for good protection, strong adaptability and is capable of working continually in corrosive or damp environment.
6. The four-series gear units can match with general Y series motor, Y2 series motor, overload motor, Brake motor, frequency conversion motor, DC motor, outdoor special -purpose motor and so on. They are also can be equipped with MB series variable drive to meet different uses.
7. The design concepts of series and module are adopted for wide adaptability: the for-series gear unit save varied motor combinations, mounting positions and structure projects, Any ratio and mounting position is selected acc-ording to your .actual demand.
8. The housing is made of cast iron; helical gears are forged form high wear-resisting alloy materials, cementite hardened, quenched and finely ground to assure parallel level and precision. All of this contributes to perfect combination for transmission.
9. With small volume, helical gear units achieves the output torque range of 69-18000NM and output Power as much as 200 KW.

二、型号说明 The explanation of model



三、选型指南 Guideline for selecting a reducer

本公司生产的R、 K、 F、 S四个系列的减速机的承载能力主要受机械强度的限制，因此在选用减速器时必须通过机械强度功率表。关于热平衡许用功率方面在这个系列中不须过多考虑，当然如果用户有特殊需要，本公司可根据用户需要而制作非标减速机，以备客户之用。

因此本系列减速机在选型时首先要确定使用系数fB，在确定使用系数之前必须先确定一天的运行小时数、每小时的起停次数和负载类型。其中负载类型按工作机械在图表中选择载荷是何种载荷类型。然后再根据工况系数表选择工况系数KA，根据KA的数值选择使用系数fB。

注：如果用户在特殊要求的情况下使用减速机，那么必须考虑到安全系SA，这时根据安全系数表选择，用户需要的安全系数，此时fB=KA・SA。

其次根据用户的使用条件选择输出转数，在输出转数确定后，减速机的速比根据电机的转数也确定下来，这时确定电机的功率或者用户给出的扭矩来推算出许用扭矩或者电机的功率(取计算大一些的功率更为合适)，其中公式如下：

fB=Ma・na/Pmot・9550　式中：Ma–减速机的最大输出扭矩(Nm)

na–输出转数(rpm)

Pmot–电机额定功率(KW)

例如：负载类型为U型(均布载荷)，起停次数20次/小时，15小时连续运转，重要设备，要求输出转速为65rpm，功率为7.5KW(4级电机)， RF系列减速机，试选用RF减速机型号。

答：根据负载为U型，起停次数20次/小时，15小时连续运转，根据工况系数查得KA=1.25。

由于是重要设备，根据安全系数表查得SA=1.3~1.5，取中间值SA=1.4 因此fB=KA・SA=1.25・1.4：1.75

由于是4级电机，转数为1440r/min，输出转数为65，所以速比为：I=1440/65=22.15

最后计算许用扭矩:根据公式fB=Ma・na/Pmot・9550，所以得出Ma=fB・Pmot・9550/na=1.75・7.5・9550/65=1928Nm

计算实际扭矩：M=Pmot・9550/na=7.5・9550/65=1101Nm 根据许用扭矩应选SRF97以上的规格 根据速比22.15和功率7.5KW，查表满足所需要求，因此就是SRF97–22.37Y132M–4其中22.37为减速机速比，97为规格，S日为巨能减速机R系列，F为法兰接形式，Y132M–4为电动机型号

The Icad capacity of the R、K、F、S series of reducer are limited by its mechanical intensity,when selecting reducers, please see the mechanical intensity power list.

When selecting reducers, first we should know service factor fs However, before we select sericefactor please determine confirm the running hours of one day and times of starting and stopping andloading type, then we select working condition coefficient KA, and coefficient f8 according to the figure of KA.

Note: If users need reducer in special special condition, please consider the safety coefficient SA, in such case, the fB=KA・SA

Secondly, we select output speed according to user's using condition, and the ratio according to motoroutput speed, then calculate the permissible torque or power (more power, more better), the formula isas follow:

FB=Ma・na/Pmot・9550 Of which: Ma–the maximum output torque of reducer (Nm)

Na–output speed (rpm)

Pmot–motor rating power (KW)

For example: loading type U model, start and stop 20 times per hour, run continually for 15 hours, the output speed is 65 rpm,power is 7.5 KW (grade 4 motor), SRF series reducer, try to select SRF reducer's model.

Key: As per U model, start and stop 20 times per hour, run 115 hours continuously, find out KA=1.25.

Because it is key equipment, According to safety coefficient, we find out SA=1.3–1.5, so we take SA=1.4.

The result is get fB=KA・SA=1.25・1.4=1.75.

Because it is 4–pole motor, speed is 1440r/min,output speed is 65, the ration:i=1440/65=22.15 The permissible torque: According to formula lB=Ma・na/Pmot・9550, we getMa=fB・Pmont～9550/na=1.75・7.5 ・9550/65=1928Nm Calculate the real torque: M=Pmot・9550/na=7.5・9550/65=1101Nm According to permissible torque, we select the specifications above SRF97. According to ratio 22.15 and power 7.5 KW, get SRF97–22.37 Y 132M–4 Of which 22.37 is ratio of reducer, 97 is reducer type, SR is series number, F is flange connection type,Y132M–4is model type.

四、选型参数表

(1) 减速机的各种系数

工况系数KA（表中分类载荷见载荷表）				
原动机	每日工作小时	轻冲击载荷	中等冲击载荷	强烈冲击载荷
电动机、气轮机、水力机	~8	0.8(1.05)	1(1.25)	1.25(1.5)
	> 8~16	1(1.25)	1.25(1.5)	1,5(1.75)
	>16	1.25(1.5)	1.5(1.75)	1.75(2)
4~6缸活塞发动机	~8	1(1.25)	1.25(1.5)	1.5(1.75)
	>8~16	1.25(1.5)	1.5(1.75)	1.75(2)
	>16	1.5(1.75)	1.75(2)	2(2.25)
1~3缸活塞发动机	~8	1.25(1.5)	1.5(1.75)	1.75(2)
	>8~16	1.5(1.75)	1.75(2)	2(2.25)
	>16	1.75(2)	2(2.25)	2.25(2.5)

注：当每小时启动、停机次数在10次以上时，使用括号内数据；如要求平行轴减速机在不卸载时正反转，其传递能力需打七折!直交轴减速机如需正反向交替运转时，传递能力需打八折！直交轴减速机在不卸载时正反转，其传递能力需打六折!

环境温度系数f1

环境温度：℃ / 冷却条件	10	20	30	40	50
			F1		
无冷却	0.9	1	1.15	1.35	1.65
冷却管冷却	0.9	1	1.1	1.2	1.3

负荷率系数f2

小时负荷率%	100	80	60	40	20
负荷系数f2	1	0.94	0.86	0.74	0.56

公称功率利用率系数f3

P2/P1 x 100%	30%	40%	50%	60%	70%	80~ 100%
系数f3	1.5	1.25	1.15	1.1	1.05	1

安全系数SA

重要性与安全要求	一般设备，减速机失效引起单机停产且易更换备件	重要设备，减速机失效引起机组、生产线或全厂停产	高安全度要求，减速机失效引起设备人生事故
SA	1.1~1.3	1.3~1.5	1.5~1.7

4、The parameter list for selecting model

(1)Different factors speed reducers

	Work hours/day	Slight impact load	Middle impact load	Strong impact load
Motor,steam,turbine, water engine	~8	0.8(1.05)	1(1.25)	1.25(1.5)
	> 8~16	1(1.25)	1.25(1.5)	1,5(1.75)
	>16	1.25(1.5)	1.5(1.75)	1.75(2)
4~6-cylinder piston engine	-8	1(1.25)	1.25(1.5)	1.5(1.75)
	>8~16	1.25(1.5)	1.5(1.75)	1.75(2)
	>16	1.5(1.75)	1.75(2)	2(2.25)
1~3-cylinder piston engine	~8	1.25(1.5)	1.5(1.75)	1.75(2)
	>8~16	1.5(1.75)	1.75(2)	2(2.25)
	>16	1.75(2)	2(2.25)	2.25(2.5)

Note: When the times for turning on/off the reducer are more than 10 per hour, please use data in brackets; if you require the paralle Lshaft series to run CW/CCW without unloading, their transmission capability will be 30% lose; if you require the orthogonal shaft series to run CW/CCW in turns, number will be 20% loss; if you require the orthogonal shaft series to run CW/CCW without unload, the number will be 40% loss.

Ambient temperature factor f1

Ambient temperature:℃ / Cooling condition					
	F1				
No cooling					
Cooled by cooling pipe	0.9	1	1.1	1.2	1.3

Load rate factor f2

Hourly load rate %	100	80	60	40	20
Load factor f2	1	0.94	0.86	0.74	0.56

Utilization rate factor for nominal power f3

P2/P1 x 100%	30%	40%	50%	60%	70%	80~ 100%
系数f3	1.5	1.25	1.15	1.1	1.05	1

Safety coefficient SA

Significance and reqirements on safety	For general-purpose equipment, out of service of the reducer will only cause a single unit to shutdown, and it is easy to replace spare parts.	For key equipment, out of service of the reducer will cause the unit, production line or all facilities toshutdown.	High requirement on safety the out of service of the reducer will resulf in personnel accident
SA	1.1~1.3	1.3~1.5	1.5~1.7

(2) 工作机械载荷分类

载荷分类	工作机械	载荷分类	工作机械	载荷分类	工作机械	载荷分类	工作机械
	风机	U	提升装置	H	钢锭初轧机	H	威罗机
U	鼓风机(轴向和径向)	U	伸缩装置	H	钢锭装卸机械**		**塑料工业机械**
M	冷却塔风机	M	回转装置	H	推锭机**	M	压延机**
M	引风机	H	行走装置	H	机械手**	M	挤压机**
M	旋转活塞鼓风机		**挖掘机**	H	剪板机**	M	挤塑机**
U	透平鼓风机	H	斗式提升机	M	板材翻转装置	M	搅拌机**
	建筑机械	H	库轮铲	M	轧辊调整装置		**泵**
M	混凝土搅拌机	H	铲子	M	锯式矫直机**	U	离心泵(轻液)
M	超重机	M	机动绞车	H	锯道(重型)**	M	离心泵(半液体)
M	筑路机械	M	泵	M	锯道(轻型)**	H	活塞泵
	化工机械	M	回转式起重机	H	薄板轧机**	H	柱塞泵**
U	搅拌机(液体物)	H	行走机构(链轨)		**修边机**	H	压力泵**
M	搅拌机(半液状物)	M	行走机构(铁轨)	H	焊管机		橡胶机械
M	离心机(重型)		食品机械	M	绕线机(带材和线材)	M	压延机**
U	离心机(轻型)	U	灌瓶机和装箱机	M	拉线机	H	挤压机**
M	冷却滚筒**	M	甘蔗压榨机**		金属加工机床	M	揉和机**
M	干燥滚筒**	M	甘蔗切割机**	U	副轴(天轴)	H	搅拌机**
M	搅拌机	H	甘蔗碾碎机	H	锻压机	H	滚轧机**
	压缩机	M	捏和机	H	锻锤**		**石头及粘土加工机**
H	活塞式压缩机	M	结晶器、搅拌器	U	机床、辅助传动装置	H	球磨机**
M	涡轮压缩机	U	打包机	M	机床、主传动装置	H	冲击式碾磨机**
	运输机械	M	甜菜切碎机	H	金属刨床	H	破碎机
M	板式输送机	M	甜菜清洗机	H	板材矫直机	H	压砖机
M	压载升降机		**发电机、变换器**	H	压机	H	锤磨机"
M	袋式输送机	H	频率变换器	H	冲压机	H	旋转炉"
M	带式运输机(散状物)	H	发电机	M	剪切机	H	管磨机"
H	带式运输机(块状物)	H	电焊发电机	M	金属板折弯机		**纺织机**
U	粉料链门提升机		**清洗机**		**石油机械**	M	给料机
M	链条输送机	M	干燥机	M	管线泵**	M	织布机
M	回旋输送机	M	清洗机	M	旋转式钻孔设备	M	印染机
M	运货升降机		**金属轧钢机**		**造纸机**	M	揉瓮
H	卷扬机**	H	钢坯剪切机**	H	压光机**	M	威罗机
H	倾斜绞车	M	链式传送机**	H	纸板层压机**		**软水处理**
M	(乘客)电梯	H	冷轧机**	H	干燥滚筒**	M	松沙机**
M	螺旋输送机	H	连续铸造设备**	H	上光滚筒**	M	螺杆泵
M	钢带输送机	M	冷床**	H	碎浆机**		**木工机械**
M	槽式链条输送机	H	剪料头机**	H	木浆研磨机**	H	剥皮机
M	拖泥式绞车	M	横向输送设备**	H	吸水辊	M	刨床
	翻堂机	H	除磷机**	H	吸水压榨	H	锯框**
M	摇摆机构	H	中型轧板机**	H	纸板机	U	木工机械

注：1、U表示均布载荷；M表示中等冲击载荷；H表示较大冲击载荷；**表示仅以全天工作为条件。
2、表中列出的载荷分类符号在工作机的工作情况的详情给出后，可以修改。

RV SERIES

(2) Load classification working machine

Load type	Working machine type	Load type	Working machine type
	Fan		Craning
U	Fan(radial and axial)	M	Driving gear for derrick crane
M	Fan for cooling tower	U	Gear driving unit of jenny
M	Draught fan	U	Gear driving unit for boom up/down
M	Spiral piston fan	M	Gear driving unit for steering
U	Turbine fan	H	Gear driving unit for moving
	Building machinery		Bagger
M	Concorete mixer	H	Drum conveyor
M	Jenny	H	Drum steering wheel
M	Road constructing machinery	H	Dredging bucket
	Chemical industry	M	Motorized winch
U	Mixer (liquid)	M	Pump
M	Mixer (semi-liquid)	M	Gear driving unit for steering
M	Centrifugal machine (heavy duty)	H	Gear driving unit for moving (caterpillar)
U	Centrifugal machine (light duty)	M	Gear driving unit for moving (rail)
M	Cooling cylinder **		Machinery for food industry
M	Drying cylinder **	U	Filling and packing machinery
M	Mixer	M	Sugarcane presser **
	Compressor	M	Sugarcane cutter **
H	Piston compressor	H	Sugarcane crusher
M	Turbine compressor	M	Mixer
	Conveyor machinery	M	Hoisting drum for sauce
M	Pan conveyor	U	Packing machine
M	Counterbalance lifter	M	Sugar beet cutter
M	Trayconveyor	M	Sugar beet cleaner
M	Belt conveyor (big parts)		Engine and converter
H	Belt conveyor (bulk part)	H	Frequency converter
U	Drum-type flour conveyor	H	Engine
M	Chain conveyor	H	Welding engine
M	Circle type conveyor		Washer
M	Goods lifter	M	Cylinder
H	Jenny**	M	Washer
H	Angled Jenny		Metal rolling machine
M	Linkage type conveyor	H	Billet shear **
M	Manned lifter	M	Chain conveyor **
M	Spiral conveyor	H	Cold mill **
M	Steel belt conveyor	H	Complete continuous casting equipment **
M	Chain tray conveyor	M	Cooling bed **
M	Winch transportation	H	Cropping shear **

Note: 1. U-Even loading; M-Medium impact loading; H-High impact loading; **-Stand for machines working all day long.
2. The load type in the list may be modified after giving the working details.

(2) Load classification working machine

Load type	Working machine type	Load type	Working machine type
M	Overlap changeover conveyor **	H	Roller press for water absorbing
H	Rust remover **	H	Roller press for wet paper **
H	Heavy and middle-duty sheet roller	H	Willow
H	Bar blooming mill		Machines for plastic industry
H	Bar forwarding machine **	M	Calender **
H	Bar pusher **	M	Extruder **
H	Manipulator**	M	Helical extruder **
H	Plate shears **	M	Mixer **
M	Sheet swing lifting platfrom		Pumping
M	Roll-adjusting nuit	U	Centrifugal pump (thin liquid)
M	Roll leveler **	M	Centrifugal pump (half liquid)
H	Roller bed of rolling mill (heavy duty) **	H	Piston pump
M	Roller bed of rolling mill (light duty) **	H	Plunger pump **
H	Rolling mill for thin sheet **	H	Pressure pump **
	Cropping &shearing machine		Rubber machines
H	Pipe welder	M	Calender **
M	Welder (for strips and wires)	H	Extruder **
M	Wire drawer	M	Mixing agitator **
	Metal cutting machine	H	Kneading machine **
U	Power shaft	H	Hydraulic machine **
H	Forging machine	**Machine tool for processing stones and porcelain materials**	
H	Forging hammer **	H	Ball grinding mill **
U	Machine tool and auxiliary unit	H	Extruding crusher **
M	Machine and main driving	H	Breaker
H	Metal planer	H	Brick press
H	Sheet straightening machine	H	Hammer crusher **
H	Punching machine	H	Tilting converter **
H	Pressing machine	H	Cylinder grinding machine **
M	Shearing machine		Textile machinery
M	Bending machine for thin sheet	M	Loom
	Machines for petroleum industry	M	Feeder
M	Oil pump for oil pipe **	M	Printing and dyeing machine
H	Rotor drilling unit	M	Refiner
	Paper making machine	M	Willow
H	Calender **		Water treatment
H	Multi-layer wet press **	M	Blower **
H	Drying cylinder **	M	Screw pump
H	Brightening cylinder **		Wood working machine
H	Pulp agitator **	H	stripping and breaking machine
H	Pulp masher **	M	Planer
H	Water absorbing pump **	H	Sawing machine **
		U	Woodworking machine

Note: 1. U-Even loading; M-Medium impact loading; H-High impact loading; **-Stand for machines working all day long.
2. The load type in the list may be modified after giving the working details.

五、选型所需参数

为了保证客户最后的选择既经济又可靠，希望在选型是尽量提供下列各参数，以便我们校核选型的准确性。

1、被动设备：

--名称和种类

--运行负载

--输出功率

--输出转速

--连续使用时间 小时/天　小时/月　小时/年

--起动力矩和频率

--制动力矩和频率

--正反运转和频率

--径向、轴向载荷

2、原动机：

--型号和种类

--额定功率和转速

--最大扭矩

--启动扭矩

--转动惯量直连电机时，参照电机说明

--代号及附件

--电机接线盒位置是否指定

3、减速机：

--要求型号

--安装形式

--装配形式

--电源

--润滑

--冷却

--噪音

--其它附件

4、联接：

--被驱动设备和减速机联接；

--减速机和电机或其它原动力联接：

*如果使用刚性联轴器，必须告之作用在轴上的轴向和径向载荷。

5、环境条件：

周围温度、空旷场地、狭小场地、通风条件；

特殊条件：高温、低温、灰尘、化学作用、直接日照、冰等。　.

6、特殊要求：

例如：外伸中间轴；制动停机(如倾斜输送机)；特殊密封(灰尘、严格要求的食品、化学原料等)；辅助传动、速度监测、保护、逆止器等。

5、Parameters needed for selecting

In order guarantee that your final selection is both economic and reliable, please provide as far as possible the following parameters during selection, so that we can check the accuracy of the selection.

1 .Driven device:

–Name and style

–Load nature (by impact coefficient or inertia)

–Running load

–Output speed

–Output speed

–Continuous operation time (h/day, h/moth, h/year)

–Starting torque and frequency

–Braking torque and frequency

–CW/CCW running and frequency

–Radial and axial load

2.Prime mover:

–Model and type

–Rated power and speed

–Max torque

–Starting torque

–When the rotary inertia is connected with motor directly, refer to the manual of motor

–Code and attachment

–Whether the position of terminal box for the motor is specified

3. Reducer

–Model required

–Mounting type

–Assembling style

–Output form

–Power supply –Lubrication –Cooling –Noise

–Other accessories

4.Connecting

–Connecting the driven with reducer

–Connecting reducer with motor or other prime mover

*If rigid coupling is used ,one must specify the axial load applied on the shaft.

5.Ambient condition:

–Ambient temperature ,open site, narrow site, ventilation condition

–special condition: high temperature, low temperature, dust, chemical action, direct sunshine, ice ,etc.

6.Special conditions:

For example: overhung intermediate shaft; stop by braking (e.g. tilt conveyor); special sealing (dust, food with strict requirement and chemical material); auxiliary driving, speed monitoring, protection, non–return unit, etc.

六、减速机输入功率、许用转矩及重量表 Input power、permissible torque and weight table

1、RX减速机输入功率、许用转矩 及重量表The input power, permissible torque & weight list of RX reducer

机型号 model	57	67	77	87	97	107
结构形式 structure from	RX、RXF、RX & RXF					
输入功率KW input power	0.12~7.5	0.12~7.5	1.1~15	1.5~22	5.5~45	5.5~45
传动比 ratio	1.31 ~5.47	1.43~5.92	1.41 ~5.69	1.35~6.25	1.40~5.75	1.43~6.71
许用转矩Nm permissible torque	59	114	180	340	505	705
重量(kg) weight	9.6	15.4	25.3	42.9	77	110

2、R减速机输入功率、许用扭矩及重量表The input power, permissible torque and weight list of R reducer

机型号 model	27	37	47	57	67	77
结构形式 structure from	R、R..F、RF					
输入功率KW input power	0.12~3	0.12~3	0.12~5.5	0.12~7.5	0.12~7.5	0.18~11
传动比 ratio	3.37~136	3.4~133.3	3.87~182.6	4.32~183.2	4.32~180.7	5.28~200.9
许用转矩Nm permissible torque	110	170	255	380	510	700
重量(kg) weight	6.2	9.4	11	20	28	40
机型号 model	87	97	107	137	147	167
结构形式 structure from	R、R..F、RF					
输入功率KW input power	0.55~22	0.55~37	2.2~55	5.5~75	11~110	11~160
传动比 ratio	5.33~245.7	4.52~280.6	4.98~255.4	5.22~223.2	4.93~162.1	10.43~224.6
许用转矩Nm permissible torque	1320	2550	3670	6800	11050	15300
重量(kg) weight	70	112	169	245	440	720

3、S减速机输入功率、许用转矩及重量表The input power, allowed torque & weight list of S reducer

机型号 model	37	47	57	67	77	87	97
结构形式 structure from	S、SA、SF、SAF、SAZ、SAT						
输入功率KW input power	0.12~75	0.12~1.5	0.12~3	0.12~3	0.25~7.5	0.55~18.5	0.75~22
传动比 ratio	7~157.3	7.33~198.8	7.33~198.8	8.75~210	8.17~265.7	7.83~291.4	8.12~288.7
许用转矩Nm permissible torque	78	145	250	450	1080	1940	3400
重量(kg) weight	8	11	15.5	29	55	110	190

4、 K减速机输入功率，许用转矩及重量表The input power、allowed torque & weight list of stock reducer

机型号 model	37	47	57	67	77	87
结构形式 structure from	K、KA、KF、KAF、KAZ、KAT、KAB					
输入功率KW input power	0.12~3	0.12~3	0.12~4	0.18~5.5	0.37~11	0.75~22
传动比 ratio	4.09~106.6	4.66~131.7	4.68~143.5	7.16~146.2	7.11~192.7	7.42~195.2
	170	340	510	705	1320	2300
重量(kg) weight	12	22	30	37	63	94
机型号 model	97	107	127	157	167	187
结构形式 structure from	K、FA、KF、KAF、KAZ、KAT、KAB					
输入功率KW input power	1.1~30	3~45	7.5~90	11~160	15~200	15~200
传动比 ratio	8.88~176.5	8.72~147.2	8.6~144.4	12.7~151.1	17.3~161	17.1~180.7
许用转矩Nm permissible torque	3670	6800	11050	15300	27200	42500
重量(kg) weight	145	275	420	680	1130	1870

5、 F减速机输入功率，许用转矩及重量表The input power、allowed torque & weight list of Freducer

机型号 model	37	47	57	67	77	87
结构形式 structure from	F、FA、FF、FAF、FAZF、FHZ					
输入功率KW input power	0.12~3	0.12~4	0.12~5.5	0.18~7.5	0.75~18.5	0.75~22
传动比 ratio	3.71~129.8	5.01~189.2	5.26~193.8	3.98~174.7	4.34~199.4	4.06~276.6
许用转矩Nm permissible torque	170	340	510	705	1280	2500
重量(kg) weight	14.5	20	38	61	100	165
机型号 model	97	107	127	157		
结构形式 structure from	F、FA、FF、FAF、FAZF、FHZ					
输入功率KW input power	0.75~30	2.2~55	4~90	11~160		
传动比 ratio	4.7~279.9	6.26~250.7	4.61~170.4	11.67~262.9		
许用转矩Nm permissible torque	3670	6670	10200	15300		
重量(kg) weight	290	450	720	950		

注：表中所列重量为平均值，且不含电机，仅供参考。
Note:The weights list are mean values with motor and only for reference