TAIGONG
泰工减速机

国家高新技术企业

GH/GV----------系列齿轮减速马达

RV/WP--------系列蜗轮蜗杆减速机

KM--系列斜齿-准双曲面齿轮减速器

SWL/HK-------系列蜗轮丝杆升降机

PC----------------系列齿轮减速机

T/HD/ARA--------系列齿轮转向器

YS-------------系列三相异步电动机

UDL---------------系列无级变速器

TAIGONG
泰工减速机

GH/GV系列齿轮减速马达 GH/GV SERIES GEAR MOTOR

GH

GV

RV系列蜗轮蜗杆减速机 RV SERIES WORM GEAR SPEED REDUCER

NMRV

NMRV..方法兰

NMRV..VS

NRV

NRV..VS

NMRV..AS

NMRV+NMRV

NMRV..A

KM系列斜齿-准双曲面齿轮减速器 KM SERIES HELICAL-HYPOID GEAR UNITS

KM..2..IEC

KM..3..IEC

KM..3..STM

SWL系列蜗轮丝杆升降机 SWL SERIES WORM GEAR SCREW JACK

圆柱型

法兰型

螺纹型

扁头型

伺服方法兰型

电机法兰型

防旋护管型

护管法兰型

升降螺母型

升降螺母电机型

电机法兰配RV型

HK系列蜗轮丝杆升降机 HK SERIES WORM GEAR SCREW JACK

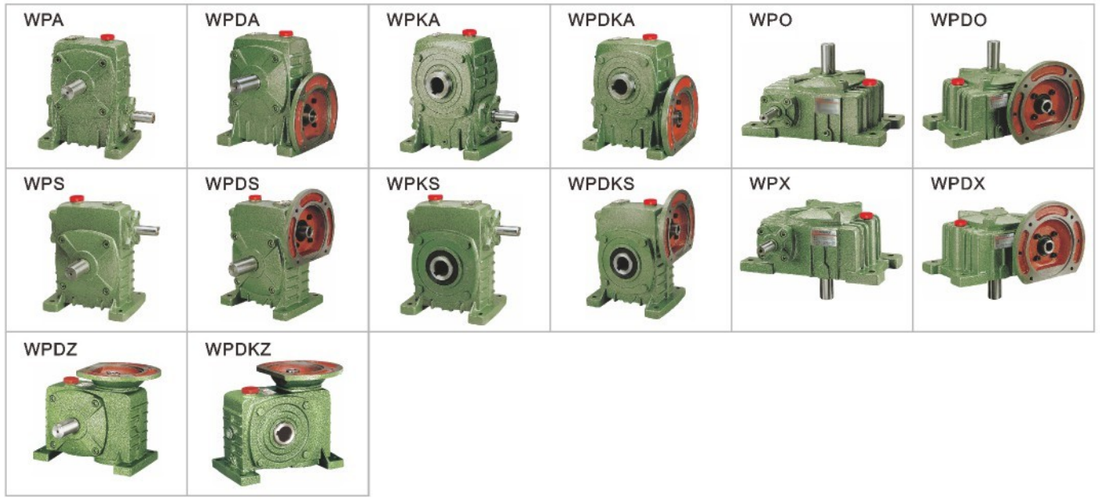
HK-R

HK-S

HK-T

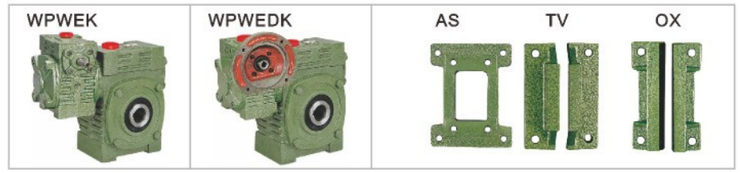
HK-H

单级减速机 / SINGLE SPEED REDUCER 速比1/10-1/60

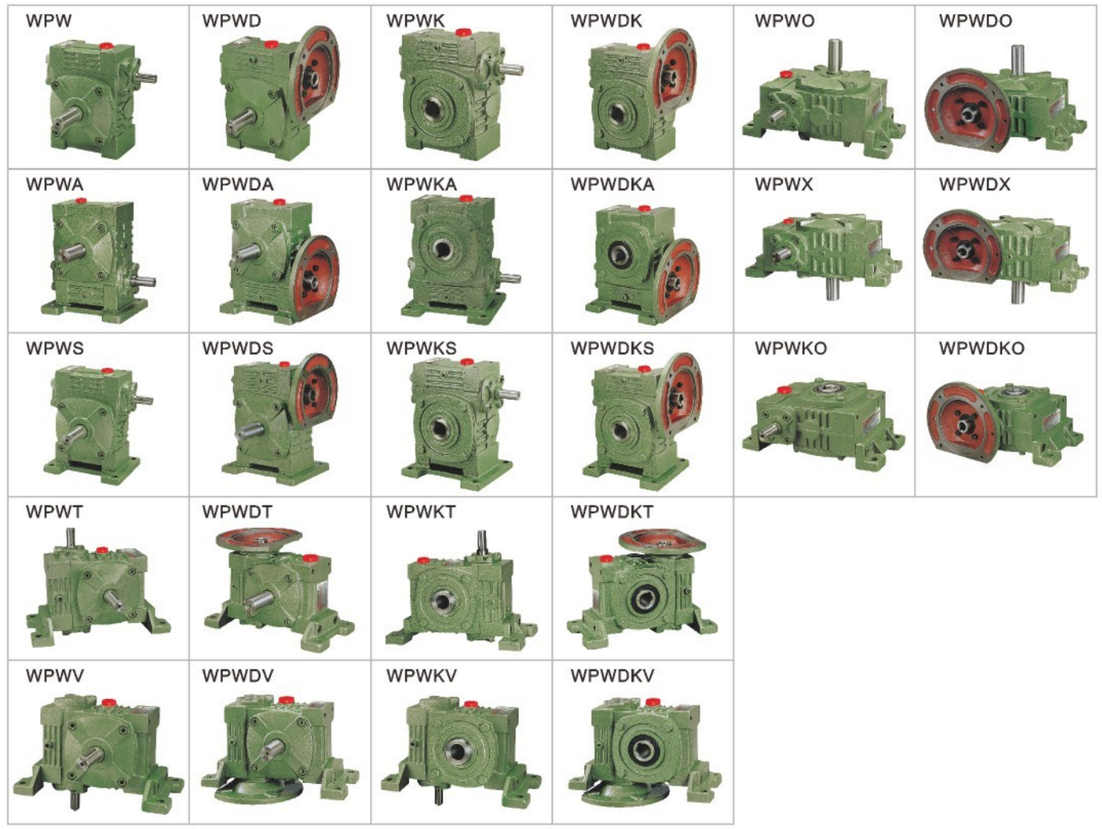


双级减速机 / DOUBLE SPEED REDUCER 速比1/100-1/3600

双级减速机 / DOUBLE SPEED REDUCER 速比1/100-1/3600



万能型减速机 / UNIVERSAL SPEED REDUCER 速比1/10-1/60



基本色 辅助色1 辅助色2 辅助色3

产品标准颜色（由于印刷原因，颜色与实物可能有差异）

PC系列齿轮减速机 PC SERIAL GEAR REDUCER

PC

PC+NMRV

PC+NMRV+YS

T系列螺旋伞齿轮转向器 T SERIES SPIRAL BEVEL GEAR STEERING DEVICE

T..-I-L

T..-I-LR

T..-U-LR

T..-D-LR

HD系列螺旋锥齿换向传动器 HD SERIES SPIRAL BEVEL GEAR UNIT

ARA系列螺旋锥齿轮转向箱 ARA SERIES SPIRAL BEVEL GEAR STEERING BOX

ARA..LR

ARA..L

YS系列三相异步电动机 YS SERIES THREE-PHASE ASYNCHRONOUS MOTOR

B3

B5

B14

UDL系列无级变速器 UDL SERIES STEPLESS SPEED VARIATOR

UDL-B3

UDL-B5

UDL+NMRV+YS

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GH/GV SERIES GEAR MOTOR

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TAIGONG 泰工减速机

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PC SERIAL GEAR REDUCER

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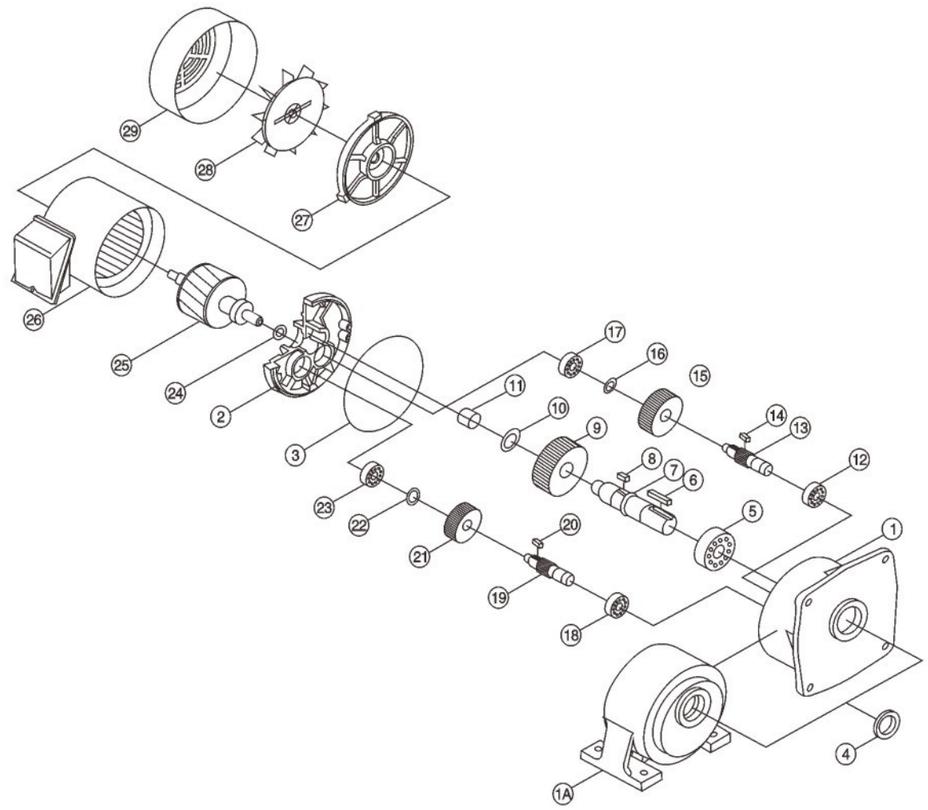
TAIGONG 泰工减速机

GH/GV SERIES GEAR MOTOR

GH/GV系列齿轮减速马达

15年生产经验 10万+企业共同的选择

产品结构图 PRODUCT STRUCTURE DIAGRAM



编号 NO.	零件名称 Name of parts
1	本体 Housing<GV>
2	本体盖 Housing cover
3	O型环 O-Ring
4	出力轴油封 Oil seal
5	轴承 Ball bearing
6	键 Key
7	出力轴 Output shaft
8	键 Key
9	三段大齿轮 3RD main gear
10	扣环 Shap ping

编号 NO.	零件名称 Name of parts
11	自润轴承 Oiless bearing
12	轴承 Ball bearing
13	三段小齿轮 3RD pinion gear
14	键 Key
15	二段大齿轮 2ND main gear
16	扣环 Snap ring
17	轴承 Ball bearing
18	轴承 Ball bearing
19	二段小齿轮 2ND main gear
20	键 Key

编号 NO.	零件名称 Name of parts
21	一段大齿轮 1ST main gear
22	扣环 Snap ring
23	轴承 Ball bearing
24	入力轴油封 Oil seal shaft
25	马达轴 Motor shaft
26	马达 Motor
27	马达盖 Motor cover
28	风扇 Fan
29	风罩 Fan cove

TAIGONG 泰工减速机
GH/GV系列齿轮减速马达
GH/GV SERIES GEAR MOTOR

型号说明 DESCRIPTION OF MODEL

GH - 28 - 400 - 30 - A - B

机型代码 Type	出力轴 Output shaft	马力 Capacity	减速比 Ratio	A 单相	刹车 Brake
GH：卧式 Horizontal GV：立式 Vertical	18,22,28 32,40,50	100W,200W,400W 750W,1500W,2200W 3700W	5,10,15 ...	110/220V 50/60HZ S 三相 220/380V 50/60HZ	B

减速机输出特性表 CHARACTERISTICS OF GEAR REDUCE

减速比 Gear Ratio	出力转速 Out.rpm		0.1kW				0.2kW				0.4kW				0.75kW				1.5kW				2.2kW			
			出力轴容许扭力荷重				出力轴容许扭力荷重				出力轴容许扭力荷重				出力轴容许扭力荷重				出力轴容许扭力荷重				出力轴容许扭力荷重			
	50Hz	60Hz	型号 Type	50Hz Kg/m	60Hz Kg/m	O.H.L. Kgf	型号 Type	50Hz Kg/m	60Hz Kg/m	O.H.L. Kgf	型号 Type	50Hz Kg/m	60Hz Kg/m	O.H.L. Kgf	型号 Type	50Hz Kg/m	60Hz Kg/m	O.H.L. Kgf	型号 Type	50Hz Kg/m	60Hz Kg/m	O.H.L. Kgf	型号 Type	50Hz Kg/m	60Hz Kg/m	O.H.L. Kgf
5	300	360		0.31	0.26	60		0.62	0.51	60		1.2	1	90		2.3	1.9	130		4.8	3.5	180	32	6.6	5.5	220
10	150	180		0.62	0.51	90		1.2	1	90		2.5	2.1	120		4.6	3.9	180		8.8	7.1	250		13.2	10.7	320
12.5	120	144		0.77	0.66	100		1.54	1.24	100		3.1	2.5	130		5.7	4.9	190		11	8.9	290		16.5	13.3	340
15	100	120		0.93	0.77	100	18	1.85	1.5	100	22	3.7	2.9	140	28	6.9	5.8	220	32	13.2	10.7	290		19.8	16	360
20	75	90	18	1.2	1	120		2.47	1.99	120		4.94	4	150		9.3	7.7	240		17.6	14.2	330		26.5	21.4	410
25	60	72		1.5	1.3	130		3	2.49	130		6.17	4.9	170		11.6	9.6	250		22.1	17.8	390		33.1	26.7	480
30	50	60		1.9	1.5	140		3.7	2.99	180		7.41	5.9	260		13.9	11.6	410		26.5	21.4	520	40	39.7	32.1	710
40	37.5	45		2.4	2	150		4.94	3.99	190		9.88	7.98	290		17.9	14.9	430		35.3	28.5	600		53	42.8	740
50	30	36		3	2.5	160		6.17	4.98	200		12.3	9.97	320		22.4	18.7	470		44.2	35.7	720		66.3	53.3	880
60	25	30		3.6	3	220	22	7.4	5.98	220	28	14.8	11.9	350	32	26.9	22.4	560		53	42.8	720		79.5	64.2	1000
75	20	24		4.6	3.7	220		9.2	7.5	220		18.5	14.9	350		35.1	28.3	560	40	66.3	53.5	720		99.4	80.3	1000
90	16.6	20		5.5	4.5	250		11.1	9	250		22.2	17.9	350		42.1	34	600		79.5	64.2	720	50	119.3	96.3	1000
100	15	18		6	5	250		12.3	9.9	250		24.7	19.9	350		46.8	37.8	600		88.4	71.4	720		132.6	107.1	1000
120	12.5	15	22	7.2	6	250		14.8	11.9	340		29.6	23.9	600		58.4	47.3	720		106	85.6	1000				
150	10	12		9.2	7.5	250		18.5	14.9	350		37	29.9	600		70.2	56.7	720		132.6	107.1	1000				
180	8.3	10		11	9	250	28	22.2	17.9	350	32	44.4	35.9	600	40	84.2	68	720	50	132.6	107.1	1000				
200	7.5	9		11.9	10	250		24.7	19.9	350		49.4	39.9	600		93.6	75.6	720		132.6	107.1	1000				
300	5	6		17.5	14.9	350		35.1	28.3	600		70.2	56.7	720		132.6	107.1	1000								
1200	1.25	1.5	28	58.5	47.6	350	32	70.2	56.7	600	40	70.2	56.7	720	50	132.6	107.1	1000								
1800	0.83	1		58.5	47.6	350		70.2	56.7	600		70.2	56.7	720		132.6	107.1	1000								

齿轮减速电机出力轴悬垂荷重 OUTPUT SHAFT OVERHANGING LOAD

频率50Hz Frequency 50 Hz

减速比 Reduction ratio	输出转速 Output speed (r/min)	0.1kW	0.2kW	0.4kW	0.75kW	1.5kW	2.2kW	3.7kW
3	500	30	30	54	60	145	165	200
5	300	36	36	78	85	165	210	270
10	150	70	70	150	180	280	430	570
15	100	110	110	175	165	355	490	780
20	75	150	135	190	175	369	540	850
25	60	155	150	210	185	450	650	1100
30	50	160	170	235	415	480	690	1200
40	38	160	180	270	430	580	710	1280
45	33	170	180	335	440	590	820	1300
50	30	170	180	350	450	600	850	1400
60	25	180	180	350	450	630	900	1400
70	21	180	180	350	460	670	1100	
80	18	180	180	350	460	680	1100	
90	16	180	180	350	500	850	1200	
100	15	200	250	300	590	900	1200	
120	12	200	320	390	640	920		
140	11	200	320	400	679	920		
150	10	220	330	420	679	950		
160	9	220	330	420	700	950		
180	8	240	350	430	720	980		
200	7	240	350	430	720			

频率60Hz Frequency 60 Hz

减速比 Reduction ratio	输出转速 Output speed (r/min)	0.1kW	0.2kW	0.4kW	0.75kW	1.5kW	2.2kW	3.7kW
3	600	25	25	45	50	130	150	180
5	360	30	30	70	75	150	180	225
10	180	60	60	130	150	250	360	550
15	120	90	100	160	160	348	450	750
20	90	125	125	170	170	365	500	830
25	72	140	140	180	180	430	630	1050
30	60	150	160	220	400	450	650	1100
40	45	160	180	260	420	550	670	1200
45	40	170	180	328	430	570	780	1250
50	36	170	180	335	440	580	820	1350
60	30	180	180	350	450	610	900	1400
70	25	180	180	350	460	650	1100	
80	22	180	180	350	460	680	1100	
90	20	180	180	350	500	850	1200	
100	18	200	250	300	590	900	1200	
120	15	200	320	390	640	920		
140	13	200	320	400	679	920		
150	12	220	330	420	679	950		
160	11	220	330	420	700	950		
180	10	240	350	430	720	980		
200	9	240	350	430	720			

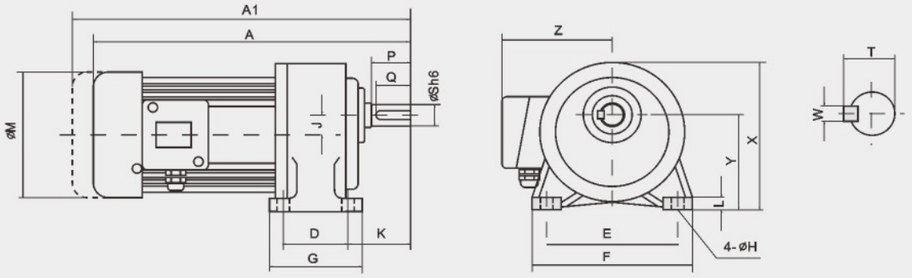
减速比选择表 REDUCTION RATIO SELECTION TABLE

0.1kW			0.2kW			0.4kW			0.75kW			1.5kW			2.2kW / 3.7kW		
型号 Model	公称比数 Actual Score	实际比数 Nominal Score	型号 Model	公称比数 Actual Score	实际比数 Nominal Score	型号 Model	公称比数 Actual Score	实际比数 Nominal Score	型号 Model	公称比数 Actual Score	实际比数 Nominal Score	型号 Model	公称比数 Actual Score	实际比数 Nominal Score	型号 Model	公称比数 Actual Score	实际比数 Nominal Score
18-2级	1/5	5	18-2级	1/3	3.45	28-2级	1/4	3.95	28-2级	1/3	2.93	32-2级	1/3	3.06	40-2级	1/3	3.25
	1/7.5	7.41		1/4	3.75		1/5	5.04		1/4	4.21		1/5	5.02		1/5	5.19
	1/10	9.74		1/5	5.56		1/7.5	6.80		1/5	5.03		1/7.5	7.35		1/6	6.29
	1/12.5	12.4		1/7.5	7.3		1/10	10.49		1/6	6.42		1/10	10.41		1/10	9.49
	1/15	14.67		1/10	9.3		1/12.5	12.27		1/7.5	7.76		1/12.5	11.47		1/13	13.57
	1/20	19.73		1/12.5	12.35		1/15	15.62		1/10	9.97		1/15	14.33		1/15	14.95
	1/25	24		1/15	14.8		1/20	20.70		1/12.5	11.56		1/20	19.35		1/17	16.86
	1/30	29.82		1/18	18		1/25	26.36		1/15	15.31		1/25	23.65		1/20	19.19
18-3级	1/40	37.20		1/20	20		1/30	29.82		1/20	19.50	32-3级	1/25	26.71	40-3级	1/8	8.14
	1/45	44		1/25	25.2		1/35	34.17		1/25	25.28		1/30	26.69/30.56		1/10	10.04
	1/50	49.41	18-3级	1/30	27.90	28-3级	1/40	39.11/39.53	28-3级	1/30	28.94		1/35	36.73/37.86		1/13	12.98
	1/60	59.20		1/35	33		1/45	45.74		1/35	33.84/35.37		1/40	42.02/41.70		1/15	13.56
	1/70	72		1/40	37.06		1/48	47.81		1/40	37.15/41.36		1/50	52.05/52.12		1/16	16.01/15.72
	1/80	80		1/45	44.4		1/50	50.21		1/45	43.07/45.40		1/60	57.33/62.55		1/20	19.39/21.64
	1/90	89.45		1/55	54		1/55	55.91		1/50	51.48/52.64		1/70	71.67/70.36		1/25	23.72/26.20
	1/100	100.80		1/60	60		1/60	58.22/61.37		1/60	57.07/62.92		1/80	78.18		1/30	29.25
22-2级	1/4	4.35		1/70	67.09		1/70	69.59/71.15		1/70	72.68/69.75		1/85	86.00		1/34	33.92
	1/5	5.02		1/75	75.6		1/75	77.14		1/80	82.23/80.48		1/90	86.00		1/37	37.37
	1/7.5	7.28		1/3	2.98		1/85	85.05		1/90	94.22/88.83		1/100	96.75		1/40	41.83/39.53
	1/10	10.74		1/5	4.98		1/90	89.00		1/100	104.25/100		1/110	107.50		1/42	42.14
	1/12.5	12.77		1/7.5	7.35		1/95	94.28		1/115	115.15		1/120	118.25		1/45	46.09
	1/15	15.06		1/10	10.3		1/100	98.24		1/127	127.42	40-2级	1/4	4.2		1/48	47.96
	1/18	18.32		1/12.5	12.53		1/110	111.14/108.78		1/4	4.26		1/7	6.69		1/50	51.97
	1/20	19.79	22-2级	1/15	15		1/120	120.07		1/7.5	7.45		1/10	8.11		1/55	56.53
	1/25	25.41		1/17.5	17.38		1/125	127.35		1/10	10.25		1/15	12.23		1/60	59.15/62.29
	1/30	30.59		1/20	20.92		1/140	140.91/135.64	32-2级	1/12.5	11.73		1/17	17.49		1/70	70.23
	1/35	34.52		1/25	23.61		1/160	155.65		1/15	14.53		1/20	19.27		1/80	79.94
	1/40	39.52		1/30	29.75		1/170	172.22		1/20	20		1/22	21.73			
	1/45	43.50		1/35	32.97	32-2级	1/5	5.53		1/25	24		1/25	24.73			
	1/50	48.21		1/35	37.25		1/10	9.66		1/30	30		1/11	10.49			
22-3级	1/55	54.47		1/40	40		1/12.5	11.67		1/35	35.00		1/13	12.94			
	1/60	58.49		1/45	45.29		1/15	15.2		1/37	37.27		1/17	16.74/17.48			
	1/65	66.22		1/50	48.94		1/20	20.74		1/40	42.64		1/20	20.26			
	1/70	71.56	22-3级	1/55	54.23		1/25	25.93		1/45	45.00		1/21	20.64			
	1/80	79.3		1/60	62.83		1/30	31.11		1/50	52.82		1/25	24.99			
	1/90	91.87		1/75	75.64		1/35	35		1/60	58.18		1/28	27.89			
	1/100	110.61		1/80	77.22		1/40	38.89	32-3级	1/75	72.73		1/30	30.58			
	1/110	112.91		1/85	85.36		1/45	42.78		1/80	80.00		1/34	33.77			
	1/120	124.82		1/100	97.71	32-3级	1/50	48.28/48.32		1/90	87.27		1/38	37.71			
	1/140	142.87		1/110	107.56		1/55	55.28		1/100	98.18	40-3级	1/43	43.73			
	1/160	157.27		1/120	119.2		1/60	58.33		1/110	109.09		1/50	48.18/50.96			
	1/180	174.29	28-2级	1/5	4.39		1/65	66.44		1/120	120.00		1/53	53.93			
				1/7.5	7.55		1/70	68.47		1/135	135.00		1/55	54.33			
				1/10	9.63		1/75	76.01/75.42		1/150	150.00		1/60	59.42			
				1/12.5	11.65		1/90	94.28		1/165	165.00		1/62	61.83			
				1/15	14.95	32-3级	1/95	94.15		1/5	5.54		1/67	67			
				1/20	20.72		1/100	103.70		1/9	8.84		1/73	72.88			
				1/25	26.50		1/110	113.13		1/11	10.71		1/75	76.26			
				1/30	29.25		1/120	127.27		1/15	16.15		1/80	80.30			
				1/35	33.09		1/130	129.63		1/20	23.10		1/90	90.54			
				1/40	41.95		1/140	141.41		1/25	25.45		1/105	103.06			
				1/45	43.41/48.37		1/150	155.56	40-2级	1/30	28.70						
				1/50	50.76/53.05		1/160	155.56		1/35	32.67						
				1/55	55.72		1/175	175.00		1/14	13.85						
				1/60	62.04		1/200	194.44		1/17	17.09						
				1/65	64.61		1/220	213.89		1/22	22.11						
				1/70	68.11					1/23	23.09						
				1/80	77.22/78.96					1/26	26.76						
				1/95	94.39					1/27	27.26						
			28-3级	1/100	98.77/104.63					1/33	33.01						
				1/110	109.72					1/37	36.84						
				1/120	123.34/120.72					1/40	40.38						
				1/130	133.25					1/45	44.61						
				1/140	141.33					1/49	49.81						
				1/150	150.75					1/58	57.75						
				1/160	156.38					1/63	63.64						
				1/180	172.73					1/67	67.31						
				1/200	191.13				40-3级	1/71	71.75/71.23						
										1/78	78.48						
										1/81	81.67						
										1/88	88.49						
										1/96	96.25						
										1/100	100.72						
										1/106	106.06						
										1/120	119.58						
										1/136	136.11						

GH标准型减速电机
三相卧式[刹车]减速马达

Standard gear motor
Three-phase horizontal (brake) reduction motor

尺寸图 Size drawing



尺寸表 Dimension table

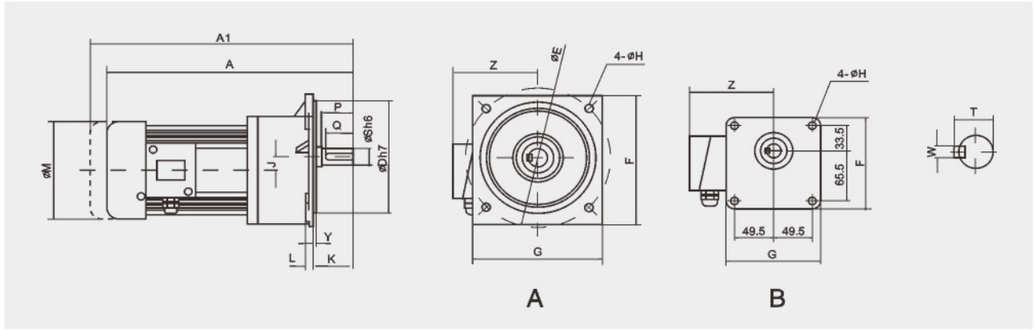
马力 horsepower HP-4p	减速比 Speed ratio	框号 Frame number	A	A1	D	E	F	G	H	L	J	K	M	X	Y	Z	出力轴端 Output shaft end					重量 weight App. Wt kg.
																	P	Q	S	T	W	
0.1kw-1/8HP	5~50	18	245	245	40	110	135	645	9	11	16	50	129	130.5	88.5	110	30	25	18	20	5	5.6
	60~200	22	278	278	65	130	158	90	11	12	18.17	60	129	150	97.5	110	40	35	22	25	7	7.3
0.2kw-1/4HP	3~10	18	278	278	40	110	135	65	9	11	16	50	129	130.5	88.5	110	30	25	18	20	5	7
	15~30	18	278	278	40	110	135	65	9	11	16	50	129	130.5	88.5	110	30	25	18	20	5	7
	15~90	22	312	312	65	130	158	90	11	12	18.17	60	129	150	97.5	110	40	35	22	25	7	8.6
	100~185	28	342	342	90	140	178	120	11	14	20.8	70	129	178	116	110	45	40	28	31	7	11
0.4kw-1/2HP	5~10	22	328	328	65	130	158	90	11	12	18.17	60	160	150	97.5	125	45	35	22	25	7	11.1
	15~25	22	328	328	65	130	158	90	11	12	18.17	60	160	150	97.5	125	40	35	22	25	7	11.1
	15~100	28	358	358	90	140	178	120	11	14	20.8	70	160	178	116	125	45	40	28	31	7	14.2
	100~200	32	392	392	130	170	215	168	13	18	30.2	70	160	215	138.5	125	55	50	32	35	10	27
0.75kw-1HP	3~25	28	375	375	90	140	178	120	11	14	20.8	70	160	178	116	125	45	40	28	31	7	15.5
	30~150	32	412	412	130	170	215	168	13	18	30.2	70	160	215	138.5	125	55	50	32	35	10	27.6
	125~200	40	440	440	150	210	265	205	15	23	36	84	160	250	160	125	65	60	40	43	10	42.3
1.5kw-2HP	3~30	32	440	440	130	170	215	168	13	18	30.2	70	192	215	138.5	136	55	50	32	35	10	33.6
	40~100	40	475	475	150	210	265	205	15	23	36	84	192	250	160	136	65	60	40	43	10	49.6
	110~180	50	550	550	170	265	335	230	19	30	51	122	192	306	200	136	80	75	50	53.5	14	94
2.2kw-3HP	3~40	40	505	505	150	210	265	205	15	23	36	84	192	250	160	136	65	60	40	43	10	49.8
	50~100	50	580	580	170	265	335	230	19	30	51	122	192	306	200	136	80	75	50	53.5	14	92.5
3.7kw-5HP	3~10	40	540	540	150	210	265	205	15	23	36	84	235	250	160	160	65	60	40	43	10	54.8
	15~60	50	600	600	170	265	335	230	19	30	51	122	235	306	200	160	80	75	50	53.5	14	98.5

1、A1为加装刹车器尺寸。
2、格适中 色块所标示者为轻扭力机型。
3、为配合产品研发，本公司保留尺寸设计修改权利。

GV标准型减速电机
三相立式[刹车]减速马达

Standard gear motor
Three–phase vertical (brake) reduction motor

尺寸图 Size drawing



尺寸表 Dimension table

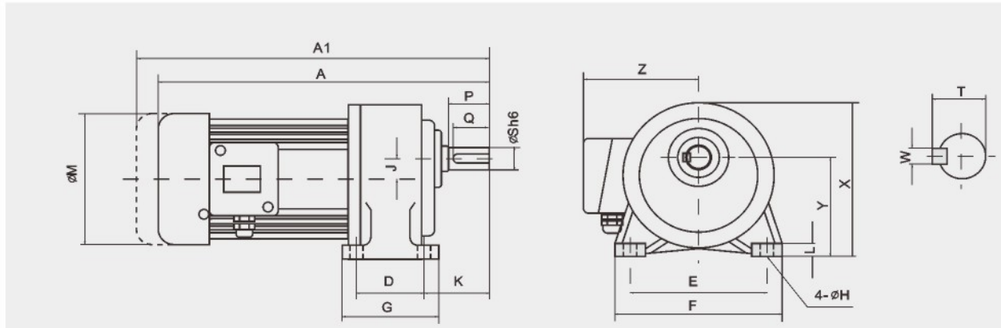
马力 horsepower HP–4p	减速比 Speed ratio	框号 Frame number	A	A1	D	E	F	G	H	L	J	K	M	Y	Z	出力轴端 Output shaft end					重量 weight App Wt kg.	备注 Note
																P	Q	S	T	W		
0.1kw-1/8HP	5~50	18	245	245	50	140	120	120	9	10	16	38	129	6	110	30	25	18	20	5	5.8	B法兰
	60~200	22	278	278	148	185	176	165	11	10	18.17	48	129	3.5	110	40	35	22	25	7	7.3	A法兰
0.2kw-1/4HP	3~10	18	278	278	50	140	120	120	9	10	16	38	129	6	110	30	25	18	20	5	7.0	B法兰
	15~30	18	278	278	50	140	150	120	9	10	16	38	129	6	110	30	25	18	20	5	7.0	B法兰
	15~90	22	312	312	148	185	176	165	11	10	18.17	48	129	3.5	110	40	35	22	25	7	8.8	A法兰
	100~185	28	342	342	170	220	218	200	11	14	20.8	58	129	4	110	45	40	28	31	7	10.8	A法兰
0.4kw-1/2HP	5~10	22	328	328	148	185	176	165	11	10	18.17	48	160	3.5	125	45	35	22	25	7	11.2	A法兰
	15~25	22	328	328	148	185	176	165	11	10	18.17	48	160	3.5	125	40	35	22	25	7	11.2	A法兰
	15~100	28	358	358	170	220	218	200	11	14	20.8	58	160	4	125	45	40	28	31	7	14.0	A法兰
	100~200	32	392	392	185	255	241	225	13	17	30.2	66	160	4	125	55	50	32	35	10	26.9	A法兰
0.75kw-1HP	3~25	28	375	375	170	220	218	200	11	14	20.8	58	160	4	125	45	40	28	31	7	15.0	A法兰
	30~150	32	412	412	185	255	241	225	13	17	30.2	66	160	4	125	55	50	32	35	10	28.0	A法兰
	125~200	40	440	440	230	310	290	268	15	21	36	85	160	5	125	65	60	40	43	10	41.9	A法兰
1.5kw-2HP	3~30	32	440	440	185	255	241	225	13	17	30.2	66	192	4	136	55	50	32	35	10	34.6	A法兰
	40~100	40	500	500	230	310	290	268	15	21	36	85	192	5	136	65	60	40	43	10	49.0	A法兰
	110~180	50	560	560	280	390	360	335	18	25	51	92	192	5	136	80	75	50	53.5	14	94.0	A法兰
2.2kw-3HP	3~40	40	520	520	230	310	290	268	15	21	36	85	192	5	136	65	60	40	43	10	51.0	A法兰
	50~100	50	580	580	280	390	360	335	18	25	51	92	192	5	136	80	75	50	53.5	14	88.5	A法兰
3.7kw-5HP	3~10	40	520	520	230	310	290	268	15	21	36	85	235	5	160	65	60	40	43	10	55.3	A法兰
	15~60	50	580	580	280	390	210	335	18	25	51	92	235	5	160	80	75	50	53.5	14	94.5	A法兰

1、A1为加装刹车器尺寸。
2、格适中 色块所标示者为轻扭力机型。
3、为配合产品研发，本公司保留尺寸设计修改权利。

GH缩框型减速电机
三相卧式[刹车]减速马达

Shrinkage box type Reduction moto
Three–phase horizontal (brake) reduction motor

尺寸图 Size drawing



尺寸表 Dimension table

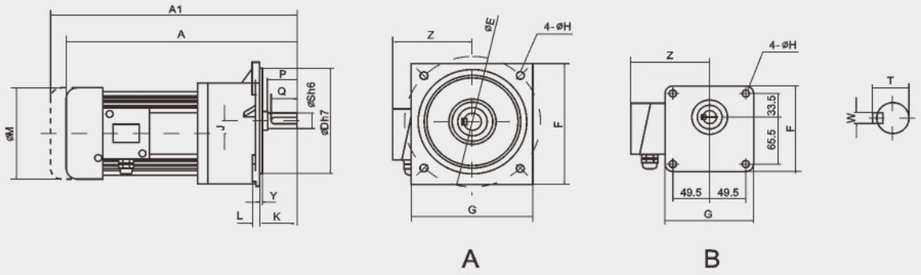
马力 horsepower HP–4p	减速比 Speed ratio	框号 Frame number	A	A1	D	E	F	G	H	L	J	K	M	X	Y	Z	出力轴端 Output shaft end					重量 weight App. Wt kg.
																	P	Q	S	T	W	
0.1KW1/8HP	60-160	18	245	245	40	110	135	65	9	11	16	50	129	130.5	88.5	110	30	25	18	20	5	5.6
0.2KW 1/4HP	15-90	18	278	278	40	110	135	65	9	11	16	50	129	130.5	88.5	110	30	25	18	20	5	7.00
	100-160	22	312	312	65	130	158	90	11	12	18.17	60	129	150	97.5	110	40	35	22	25	7	8.60
0.4KW 1/2HP	15-60	22	328	328	65	130	158	90	11	12	18.17	60	160	150	97.5	125	40	35	22	25	7	11.10
	100-200	28	358	358	90	140	178	120	11	14	20.8	70	160	178	116	125	45	40	28	31	7	14.20
0.75KW 1HP	3-25	22	348	348	65	130	158	90	11	12	18.17	60	160	150	97.5	125	40	35	22	25	7	11.10
	30-120	28	375	375	90	140	178	120	11	14	20.8	70	160	178	116	125	45	40	28	31	7	15.50
	125-200	32	412	412	130	170	215	168	13	18	30.2	70	160	215	138.5	125	55	50	32	35	10	27.60
1.5WK 2HP	3-30	28	385	385	90	140	178	120	11	14	20.8	70	160	178	116	125	45	40	28	31	7	15.50
	40-100	32	440	440	130	170	215	168	13	18	30.2	70	1 2	215	138.5	136	55	50	32	35	10	33.60
	110-180	40	475	475	150	210	265	205	15	23	36	84	192	250	160	136	65	60	40	43	10	49.60
2.2KW 3HP	45-100	40	505	505	150	210	265	205	15	23	36	84	192	250	160	136	65	60	40	43	10	49.80
3.7KW 5HP	15-60	40	540	540	150	210	265	205	15	23	36	84	235	250	160	160	65	60	40	43	10	54.80

1、A1为加装刹车器尺寸。
2、为配合产品研发，本公司保留尺寸设计修改权利。
声明：如选用缩框型的机型和速比，使用的产品不属于质保范围内。

GV缩框型减速电机
三相立式[刹车]减速马达

Shrinkage box type Reduction moto
Three-phase vertical (brake) reduction motor

尺寸图 Size drawing



尺寸表 Dimension table

马力 horsepower HP-4p	减速比 Speed ratio	框号 Frame number	A	A1	D	E	F	G	H	L	J	K	M	Y	Z	出力轴端 Output shaft end					重量 weight App. Wt kg.	备注 Note
																P	Q	S	T	W		
0.1KW1/8HP	60-160	18	245	245	50	140	120	120	9	10	16	38	129	6	110	30	25	18	20	5	5.6	B法兰
0.2KW 1/4HP	15-90	18	278	278	50	140	120	120	9	10	16	38	129	6	110	30	25	18	20	5	7.00	B法兰
	100-160	22	312	312	148	185	176	165	11	10	18.17	48	129	3.5	110	40	35	22	25	7	8.60	A法兰
0.4KW 1/2HP	15-60	22	328	328	148	185	176	165	11	10	18.17	48	160	3.5	125	40	35	22	25	7	11.10	A法兰
	100-200	28	358	358	170	220	218	200	11	14	20.8	58	160	4	125	45	40	28	31	7	14.20	A法兰
0.75KW 1HP	3-25	22	348	348	148	185	176	165	11	10	18.17	48	160	3.5	125	40	35	22	25	7	11.10	A法兰
	30-120	28	375	375	170	220	218	200	11	14	20.8	58	160	4	125	45	40	28	31	7	15.50	A法兰
	125-200	32	412	412	185	255	241	225	13	17	30.2	66	160	4	125	55	50	32	35	10	27.60	A法兰
1.5WK 2HP	3-30	28	385	385	170	220	218	200	11	14	20.8	58	160	4	125	45	40	28	31	7	15.50	A法兰
	40-100	32	440	440	185	255	241	225	13	17	30.2	66	192	4	136	55	50	32	35	10	33.60	A法兰
	110-180	40	500	500	230	310	290	268	15	21	36	85	192	5	136	65	60	40	43	10	49.60	A法兰
2.2KW 3HP	45-100	40	520	520	230	310	290	268	15	21	36	85	220	5	136	65	60	40	43	10	49.80	A法兰
3.7KW 5HP	15-60	40	520	520	230	310	290	268	15	21	36	85	220	5	160	65	60	40	43	10	54.80	A法兰

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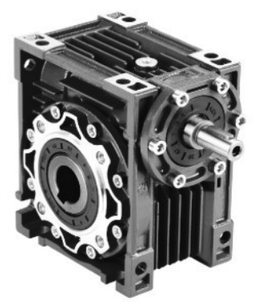
02

TAIGONG 泰工减速机

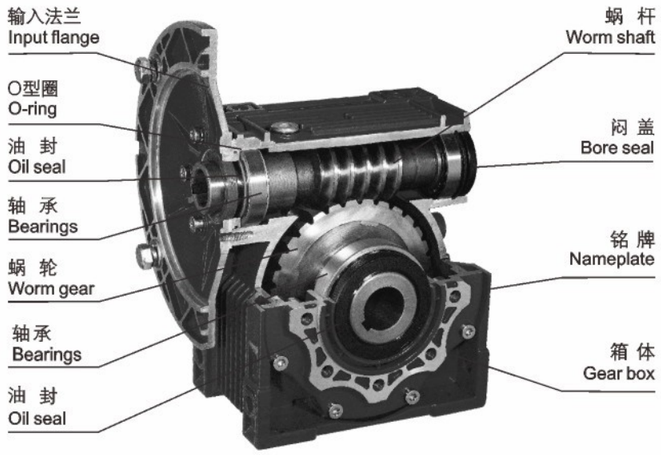
RV SERIES WORM GEAR SPEED REDUCER

RV系列蜗轮蜗杆减速机



15年生产经验 10万+企业共同的选择

产品结构图 Products Structure View



产品概述 Product summary

单级蜗杆减速机

- 采用优质铝合金压铸箱体，外形轻巧美观，结构紧凑，体积小，重量轻，节省安装空间，不易锈蚀。
- 散热性能好，安全可靠，效率高。
- 承载能力高，传动平稳，振动小，噪音低。
- 具有动力输入及转矩输出的多种联接结构，满足多种联接需要；箱体外形设计及底脚孔设置布局适应多种安装方式，通用性强。
- 中小型箱体为全封闭结构，密封性强，箱体内润滑油不易损耗变质，不需更换，便于维护保养。

双级蜗杆减速机

- 由单级蜗杆减速机组合而成，具有单级蜗杆减速机的一切优点，和获得大的传动比。
- 常用双级组合机型为: 25/30、25/40、30/40、30/50、30/63、40/75、40/90、50/110、63/130、63/150，用户若有特殊要求时，可根据实际需要选择25、30、40、50、63、75、90、110、130、150作为组合单元另行组合。

Single Step Worm Gear Reducer

- Made of Aluminum alloy die-casting box, good looking in appearance, compact in structure rust proofing on Surface and small volume to save mounting space.
- Good radiating characteristic leads safe and high efficiency for using.
- The strong capacity of loading and overload ensure stable transmission, make less vibration and noise.
- Varies of connecting structure for power input and torque output meet different requirements; the design of box outline and the set of foot hole is apt to with many kinds of mounting.
- Besides big cases, no gap structure of box means a maintenance-free that is hermetically sealed. It prevents the lubricant from easily losing and going bad, and exchanging.

Double Step Worm Gear Reducer

- It is combined by two single step reducers and has all the virtues of them. And you can get bigger ratio with it.
- The models of 25/30、25/40、30/40、30/50、30/63、40/75、40/90、50/110、63/130、63/150, are in common use. You can choose 25、30、40、50、63、75、90、110、130、150 as combination units to combine according to the fact of your special needs.

TAIGONG 泰工减速机
RV系列蜗轮蜗杆减速机
RV SERIES WORM GEAR SPEED REDUCER

选型方法 Service factor

为正确选择NMRV蜗杆减速机，敬请用户首先了解以下几点:

- 负荷条件
- 使用转速范围或速比(与双级组合可获得超低输出转速)
- 工作运转情况及环境（温度、湿度、腐蚀等）
- 安装空间

确定工作情况系数K1及工作情况修正系数K2

- 根据表1，决定机械负荷种类A、B、C。
- 根据运转时间(小时/天)和启动频率(次数/小时)从图1中求得工作情况系数K1。
- 根据表2，查取工作情况修正系数K2。

Please read before use:

- Load condition
- Speed of rotation or speed ratio (combination with combine speed reducer can get extra low outputting rotational speed)
- Work circumstance (temperature,humidity,corrosion etc.)
- Space of installation

Ensure coefficient of work condition K1 and coefficient of revise K2

- According to the table 1,choose machinery loading type A,B,C
- According to the working time(h/d) and frequency (times/h) get the coefficient of work condition K1 from table 1
- According to the table 2, pick up coefficient of revise K2

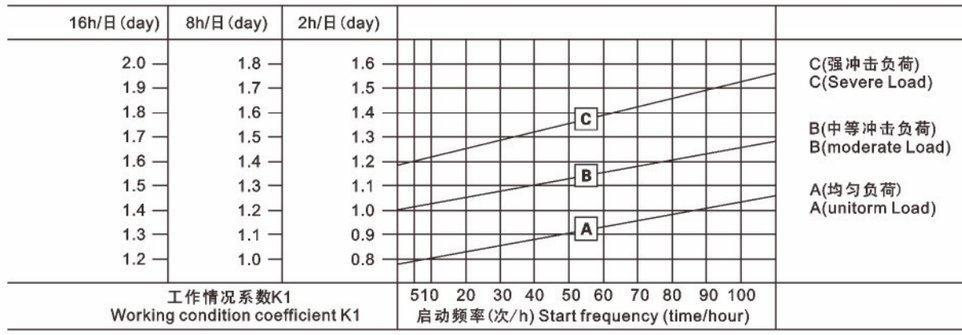
机械负荷种类选定（表1）
Table 1 machinery load classification selection

使用情况 Using Situation	示例 Example	负荷种类 Load Type
无冲击均匀负荷 Uniform Load	传送带(均速输送) Convay Band (uniform Conveying)	A(均匀负荷) A(unitorm Load)
中等冲击负荷 Moderate Load	传送带(变速输送) Speed Changed Conveying	B(中等冲击负荷) B(moderate Load)
强烈冲击负荷 Severe Load	压缩机、粉碎机等 Compressor、Pulverizer, etc.	C(强冲击负荷) C(severe Load)

工作情况修正系数K2选定（表2)
Table 2 working condition coefficient K2

环境温度 Ambient Temperature	工作情况修正系数k2 Working Condition Coefficient K2
-10℃～30℃	1
30℃～40℃	1.1～1.2

工作情况系数K1选定(图1) Diagram 1 working condition coefficient K1



选定减速机

- 用户须先确定工作机输入机械负荷T(转矩)，以T乘以工作情况系数K1，再乘以工作情况修正系数K2，即获得减速机应有的输出转矩值，以此为据，并结合速比值或输出转速值，选定所需减速机规格。
- 用户也可以根据已知的输入功率，结合理比值或输出转速值，计算输出转矩，选定减速机。

选型示例

例1.通用传送带(均匀负荷)

转矩:19N.m，　　运转时间:8小时/天，
转速:约55r/min，　　启动频率:10次/小时，
减速机:1/25，　　环境温度:室内25℃，　　电机直联

①根据表1,决定负荷种类
负荷种类:无冲击均匀负荷，选A;
②根据图1,在A线上取频率10次/小时的交点，求出运转时间8小时/天的系数K1=1;
③根据表2，查得系数K2=1;
④则转矩值为19x K1 xK2=19x1 x 1=19 N.m,可选择最接近19 N.m的减速机。
选定结果：NMRV30-1/25
输入功率0.18kW，输出转速56转/分，输出转矩21 N.m

例2.输送带(中等冲击负荷)

转矩：65N.m,　　运转时间：16小时/天，
转速:约21 r/min,　　启动频率：100次/小时，
减速机：1/60,　　坏境温度:室内35℃，　　电机直联

①根据表1,决定负荷种类
负荷种类:轻度冲击负荷，选B;
②根据图1，在B线上取频率100次/小时的支点，求出运转时间16小时/天的系数K1 =1.65;
③根据表2，查得系数K2=1.15;
④则转矩值为65x K1 x K2=70 x 1.65 x 1.15=123 N.m，可选择最接近123N.m的减速机。
选定结果：NMRV63-1/60
输入功率0.55kW，输出转速23.3转/分，输出转矩140N.m

How to select

- At first, to ensure the value of input machinery load T(torque), multiple K1 and K2 by T, then you can get the value of output torque, on the basis of which, also consider speed of output rotation or speed ratio then you can choose specification.
- You can calculate the output torque based on the known input power, reasonable ratio or speed of output rotation, then you can choose specification.

Example for model selection

Ex1. General conveyor belt (uniform load)

Torque: 19N.m　　Turning time: 8hs/day
Speed of rotation: about 55r/min　　start frequency: 10times/h
Ratio:1/25　　Temperature:25℃（indoor） Connect with motor direct
①According to the table 1,ensure type of load
Type of load: load-bearing uniform without impact, choose A;
②According to diagram 1, choose the point 10times/h on the intersection A, we can get the K1=1 of turning time 8hs/d;
③According to the table 2,get the K2=1;
④The value of torque is 19 × K1 × K2=19 × 1 × 1=19N.m,choose the closest 19N.m reducer.
Choose selection: NMRV30-1/25
Input power = 0.18kw, the speed of output rotation is= 56r/min,
the value of output torque is 21N.m

Ex2.conveying belt(moderate load)

Torque:65N.m　　Turning time:16hs/d
Speed of rotation:about 21r/min　　Start frequency:100times/h
Ratio:1/60　　Temperature:35℃（indoor） Connect with motor direct
①According to the table 1,ensure type of load
Type of load: light load-bearing, choose B;
②According to diagram 1, choose the point 100times/h on the intersection B,then you can get the K1=1.65 of turning time16hs/d;
③According to the table 2,get the K2=1.15;
④The value of torque is 65 × K1 × K2=70 × 1.65 × 1.15=123N.m, choose the closest 123N.m reducer..
Choose selection: NMRV63-1/60
Input power = 0.55kw, the speed of output rotation =23.3r/min,the value of output torque is 140N.m

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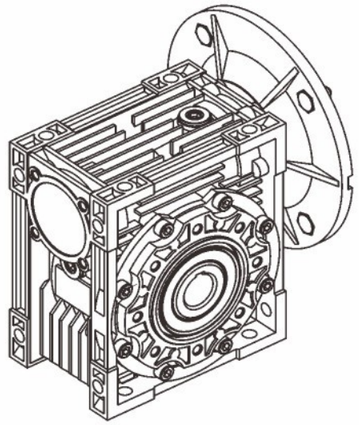
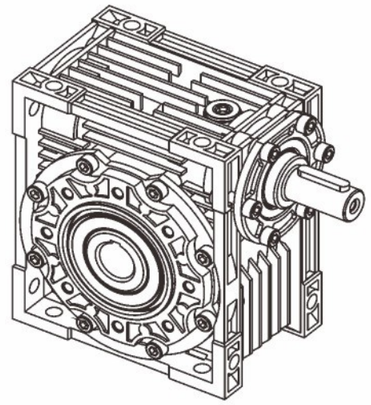
RV SERIES WORM GEAR SPEED REDUCER

NMRV/NRV



NMRV



NRV

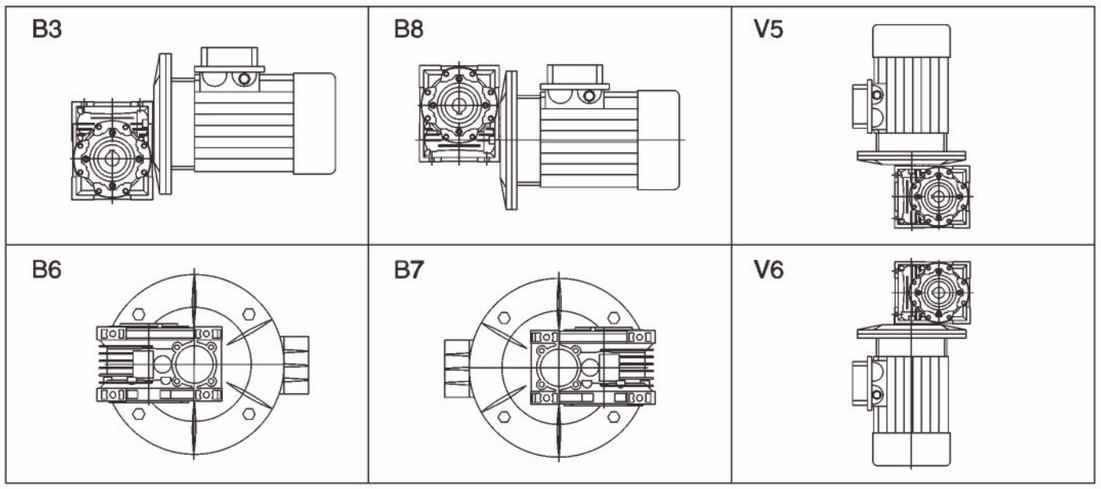
型号说明 Model notes

NMRV-063-30-VS-F1 (FA)-AS-80B5-0.55kW-B3			
NMRV	蜗轮减速机 Worm gear speed reducer		
NRV	蜗轮减速机(配接输入轴) Worm gear speed reducer (Mounting input shaft)		
063	蜗轮减速机中心距 Center distance		
30	减速比 Reduction ratio		
VS	双向输入轴 Double input shaft	F1 (FA)	输出法兰位置及型号 Output flange
AS	单向输出轴 Single output shaft	AB	双向输出轴 Double output shaft
PAM	电机联接 Fitted for motor coupling	80B5	电机机座号和安装结构形式 Motor mounting facility
0.55kW	电机功率 Electric motor power	B3	安装方位 Mounting position

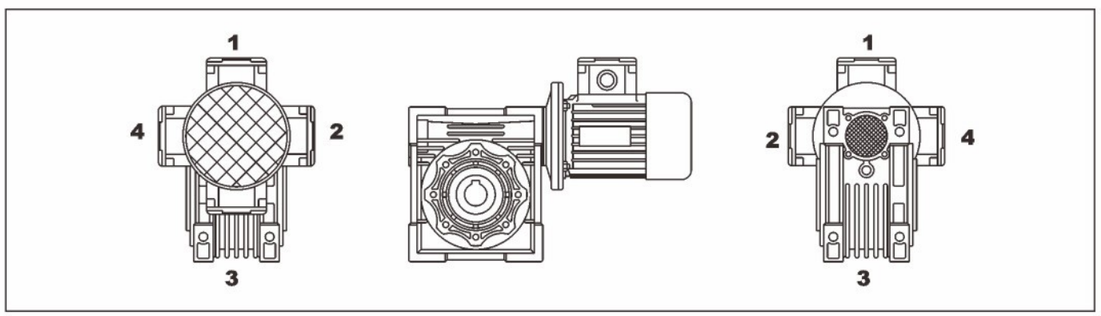
国内外型号对照 Comparative table of model

本企业 Our enterprise	NMRV025	NMRV030	NMRV040	NMRV050	NMRV063	NMRV075	NMRV090	NMRV110	NMRV130	NMRV150
		NRV030	NRV040	NRV050	NRV063	NRV075	NRV090	NRV110	NRV130	NRV150
国内企业 Domestic	NMRV025	NMRV030	NMRV040	NMRV050	NMRV063	NMRV075	NMRV090	NMRV110	NMRV130	NMRV150
		NRV030	NRV040	NRV050	NRV063	NRV075	NRV090	NRV110	NRV130	NRV150
	WJ25	WJ30	WJ40	WJ50	WJ63	WJ75	WJ90	WJ110	WJ130	WJ150
	FCNDK25	FCNDK30	FCNDK40	FCNDK50	FCNDK63	FCNDK75	FCNDK90	FCNDK110	FCNDK130	FCNDK150
		FCNK30	FCNK40	FCNK50	FCNK63	FCNK75	FCNK90	FCNK110	FCNK130	FCNK150
	JRSTD025	JRSTD030	JRSTD040	JRSTD050	JRSTD063	JRSTD075	JRSTD090	JRSTD110	JRSTD130	JRSTD150
		JRST030	JRST040	JRST050	JRST063	JRST075	JRST090	JRST110	JRST130	JRST150

单级安装型式 Single Step Mounting Positions



接线盒安装方式 Position of terminal box



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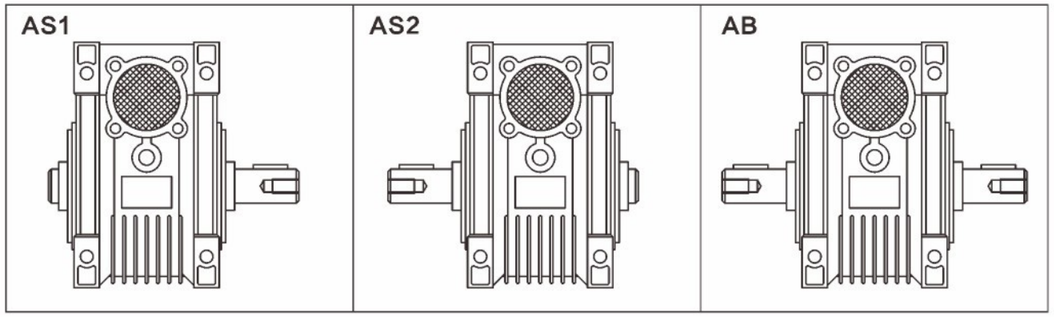
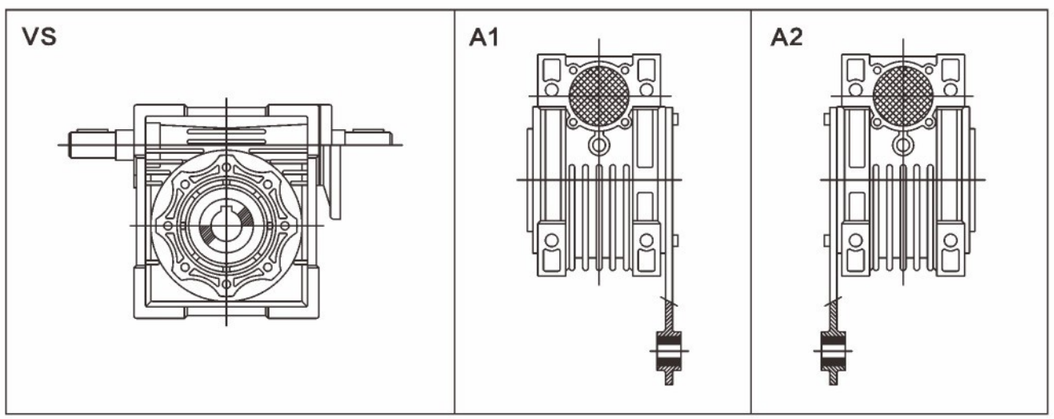
RV SERIES WORM GEAR SPEED REDUCER

输出轴配置 Position of output shaft

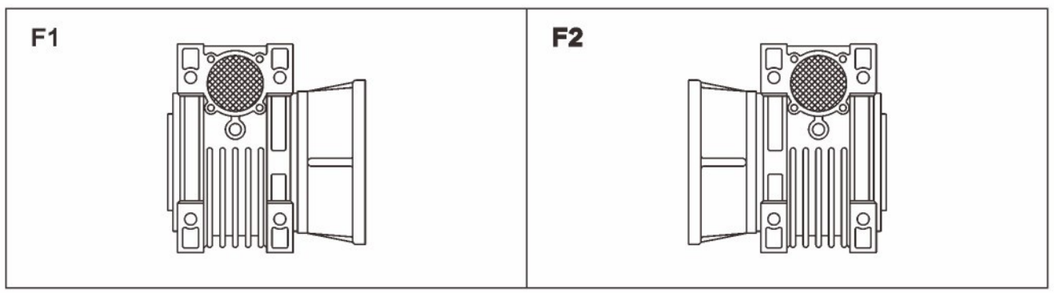


双向输入轴 Double extension worm shaft

扭力臂配置 Position of torque arm



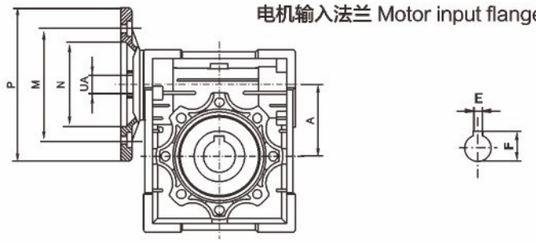
法兰位置 Flange F-FL



安装尺寸 Mounting dimensions

单级蜗杆减速机
Single step worm gear reducer

电机输入法兰 Motor input flange



中心距: Center Distance A	电机法兰 Motor Flange						输入轴孔直径UA The Hole Diameter of Shaft											
	PAM IEC	N	M	P	E	F	传动比 i Transmission Ratio											
							5	7.5	10	15	20	25	30	40	50	60	80	100
NMRV025	56B14	50	65	80	3	10.4	9	9	9	9	9	–	9	9	9	9	–	–
NMRV030	63B5	95	115	140	4	12.8	11	11	11	11	11	11	11	11	11	–	–	–
	63B14	60	75	90														
	56B5	80	100	120	3	10.4	9	9	9	9	9	9	9	9	9	9	9	–
	56B14	50	65	80														
NMRV040	71B5	110	130	160	5	16.3	14	14	14	14	14	14	14	14	–	–	–	–
	71B14	70	85	105														
	63B5	95	115	140	4	12.8	11	11	11	11	11	11	11	11	11	11	11	11
	63B14	60	75	90														
	56B5	80	100	120	3	10.4	–	–	–	–	–	–	–	–	9	9	9	9
NMRV050	80B5	130	165	200	6	21.8	19	19	19	19	19	19	19	–	–	–	–	–
	80B14	80	100	120														
	71B5	110	130	160	5	16.3	14	14	14	14	14	14	14	14	14	14	14	–
	71B14	70	85	105														
	63B5	95	115	140	4	12.8	–	–	–	–	–	–	–	11	11	11	11	11
NMRV063	90B5	130	165	200	8	27.3	24	24	24	24	24	24	24	–	–	–	–	–
	90B14	95	115	140														
	80B5	130	165	200	6	21.8	19	19	19	19	19	19	19	19	19	19	–	–
	80B14	80	100	120														
	71B5	110	130	160	5	16.3	–	–	–	–	–	–	–	14	14	14	14	14
	71B14	70	85	105														
NMRV075	100/11285	180	215	250	8	31.3	–	28	28	28	–	–	–	–	–	–	–	–
	100/112B14	110	130	160														
	90B5	130	165	200	8	27.3	–	24	24	24	24	24	24	24	–	–	–	–
	90B14	95	115	140														
	80B5	130	165	200	6	21.8	–	–	–	–	19	19	19	19	19	19	19	19
	80B14	80	100	120														
	71B5	110	130	160	–	–	–	–	–	–	–	–	–	14	14	14	14	14
NMRV090	100/112B5	180	215	250	8	31.3	–	28	28	28	28	28	28	–	–	–	–	–
	100/112B14	110	130	160														
	90B5	130	165	200	8	27.3	–	24	24	24	24	24	24	24	24	24	–	–
	90B14	95	115	140														
	80B5	130	165	200	6	21.8	–	–	–	–	–	–	–	19	19	19	19	19
	80B14	80	100	120														
NMRV110	132B5	230	265	300	10	41.1	–	38	38	38	38	–	–	–	–	–	–	–
	132B14	130	165	200	–	–												
	100/112B5	180	215	250	8	31.3	–	28	28	28	28	28	28	28	28	28	–	–
	90B5	130	165	200	8	27.3	–	–	–	–	–	24	24	24	24	24	24	24
	90B14	95	115	140	–	–												
	80B5	130	165	200	–	–	–	–	–	–	–	–	–	–	–	–	19	19
NMRV130	132B5	230	265	300	10	41.1	–	38	38	38	38	38	38	38	–	–	–	–
	132B14	130	165	200	–	–												
	100/112B5	180	215	250	8	31.3	–	–	–	–	–	28	28	28	28	28	28	28
	90B5	130	165	200	–	–	–	–	–	–	–	–	–	–	–	–	24	24
	90B14	95	115	140	–	–												
NMRV150	160B5	250	300	350	12	45.3	–	42	42	42	42	42	–	–	–	–	–	–
	132B5	230	265	300	10	41.3	–	–	–	–	38	38	38	38	38	–	–	–
	132B14	130	165	200	–	–												
	100/112B5	180	215	250	8	31.3	–	–	–	–	–	–	–	–	28	28	28	28

选型参数 Parameter selections

单级减速机(法兰输入，输入转速1400r/min)/(配4极电机)
Single step reducer (flange input, input speed is 1400r/min)/(matched with 4 poles motor)

机型代号 Model	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	使用系数 f.s.
	0.06kw				
NMRV25	186.7	2.6	7.5	0.50	4.2
	140	3.4	10	0.55	3.5
	93.3	4.9	15	0.63	2.5
	70	6.1	20	0.69	2.0
	46.7	8.2	30	0.79	1.6
	35	10	40	0.87	1.3
	28	12	50	0.94	0.9
	23.3	14	60	1.00	0.7
NMRV30	186.7	2.6	7.5	0.68	6.9
	140	3.4	10	0.75	5.4
	93.3	4.7	15	0.86	3.8
	70	6	20	0.94	3.0
	56	7	25	1.02	3.0
	46.7	8	30	1.08	2.5
	35	9.7	40	1.19	1.9
	28	11	50	1.28	1.5
	23.3	13	60	1.36	1.3
	17.5	14	80	1.50	0.9
	0.09kw				
NMRV25	186.7	3.9	7.5	0.50	2.8
	140	5.1	10	0.55	2.4
	93.3	7.3	15	0.63	1.6
	70	9.2	20	0.69	1.3
	46.7	12	30	0.79	1.1
	35	15	40	0.87	0.9
NMRV30	186.7	3.9	7.5	0.68	4.6
	140	5	10	0.75	3.6
	93.3	7.1	15	0.86	2.5
	70	9	20	0.94	2.0
	56	10	25	1.02	2.0
	46.7	12	30	1.08	1.7
	35	14	40	1.19	1.2
	28	17	50	1.28	1.0
	23.3	19	60	1.36	0.9
NMRV40	28	19	50	2.47	2.0
	23.3	21	60	2.63	1.7
	17.5	26	80	2.89	1.3
	14	29	100	3.11	1.0
	0.12kw				
NMRV30	186.7	5.2	7.5	0.68	3.4
	140	6.7	10	0.75	2.7
	93.3	9.5	15	0.86	1.9
	70	12	20	0.94	1.5
	56	14	25	1.02	1.5
	46.7	16	30	1.08	1.3
	35	19	40	1.19	0.9
	28	23	50	1.28	0.8
NMRV40	46.7	17.2	30	2.08	2.6
	35	21	40	2.29	1.9

机型代号 Model	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	使用系数 f.s.
	0.12kw				
NMRV40	28	25	50	2.47	1.5
	23.3	28	60	2.63	1.3
	17.5	34	80	2.89	1.0
	14	38	100	3.11	0.8
NMRV50	23.3	29	60	3.61	2.3
	17.5	35	80	3.97	1.9
	14	40	100	4.28	1.4
	0.18kw				
NMRV30	186.7	7.8	7.5	0.68	2.3
	140	10	10	0.75	1.8
	93.3	14	15	0.86	1.3
	70	18	20	0.94	1.0
	56	21	25	1.02	1.0
	46.7	24	30	1.08	0.8
NMRV40	70	19	20	1.82	2.0
	56	23	25	1.96	1.7
	46.7	26	30	2.08	1.7
	35	32	40	2.29	1.3
	28	38	50	2.47	1.0
	23.3	43	60	2.63	0.8
NMRV50	35	32	40	3.15	2.3
	28	39	50	3.39	1.9
	23.3	43	60	3.61	1.6
	17.5	52	80	3.97	1.2
	14	60	100	4.28	0.9
	0.25kw				
NMRV40	186.7	11	7.5	1.31	3.6
	140	14	10	1.44	2.8
	93.3	21	15	1.65	1.9
	70	27	20	1.82	1.5
	56	32	25	1.96	1.2
	46.7	36	30	2.08	1.3
	35	44	40	2.29	0.9
	28	37	50	2.47	0.8
NMRV50	70	26	20	2.50	2.7
	56	32	25	2.69	2.2
	46.7	37	30	2.86	2.3
	35	46	40	3.15	1.7
	28	54	50	3.39	1.4
	23.3	60	60	3.61	1.1
	17.5	72	80	3.97	0.9
NMRV63	28	56	50	4.44	2.4
	23.3	63	60	4.71	2.0
	17.5	78	80	5.19	1.6
	14	87	100	5.59	1.4
	0.37kw				
NMRV40	186.7	16	7.5	1.31	2.4
	140	21	10	1.44	1.9
	93.3	31	15	1.65	1.3

单级减速机(法兰输入，输入转速1400r/min)/(配4极电机)

Single step reducer (flange input，input speed is 1400r/min)/(matched with 4 poles motor)

机型代号 Model	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	使用系数 f.s.
0.37kw					
NMRV40	70	39	20	1.82	1.0
	56	47	25	1.96	0.8
	46.7	53	30	2.08	0.8
NMRV50	140	21	10	1.98	3.3
	93.3	31	15	2.27	2.4
	70	40	20	2.5	1.8
	56	48	25	2.69	1.5
	46.7	55	30	2.86	1.5
	35	68	40	3.15	1.1
	28	80	50	3.39	0.9
	23.3	89	60	3.61	0.8
NMRV63	35	70	40	4.12	2.1
	28	83	50	4.44	1.6
	23.3	94	60	4.71	1.4
	17.5	115	80	5.19	1.1
	14	129	100	5.59	0.9
0.55kw					
NMRV50	186.7	25	7.5	1.8	2.9
	140	32	10	1.98	2.2
	93.3	46	15	2.27	1.6
	70	59	20	2.5	1.2
	56	71	25	2.69	1.0
	46.7	81	30	2.86	1.0
	35	80	40	3.15	0.9
NMRV63	70	60	20	3.27	2.2
	56	73	25	3.52	1.8
	46.7	83	30	3.74	1.9
	35	105	40	4.12	1.4
	28	124	50	4.44	1.1
	23.3	140	60	4.71	0.9
NMRV75	35	108	40	4.86	2.0
	28	129	50	5.24	1.6
	23.3	146	60	5.56	1.4
	17.5	180	80	6.13	1.1
	14	206	100	6.60	0.9
NMRV90	17.5	189	80	6.78	1.5
	14	221	100	7.30	1.2
0.75kw					
NMRV50	186.7	34	7.5	1.80	2.1
	140	44	10	1.98	1.6
	93.3	63	15	2.27	1.2
	70	81	20	2.50	0.9
NMRV63	93.3	63	15	2.97	2.2
	70	83	20	3.27	1.6
	56	100	25	3.52	1.3
	46.7	114	30	3.74	1.4
	35	143	40	4.12	1.0
NMRV75	56	102	25	4.16	2.0
	46.7	117	30	4.42	2.0
	35	147	40	4.86	1.5
	28	177	50	5.24	1.2
	23.3	200	60	5.56	1.0
NMRV90	28	184	50	5.79	1.8
	23.3	212	60	6.16	1.5

机型代号 Model	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	使用系数 f.s.
0.75kw					
NMRV90	17.5	258	80	6.78	1.1
	14	302	100	7.30	0.9
1.1kw					
NMRV63	186.7	49	7.5	2.35	2.6
	140	65	10	2.59	2.0
	93.3	93	15	2.97	1.5
	70	122	20	3.27	1.1
	56	146	25	3.52	0.9
	46.7	167	30	3.74	1.0
	35	165	40	3.59	0.9
NMRV75	93.3	95	15	3.50	2.1
	70	123	20	3.86	1.7
	56	150	25	4.16	1.3
	46.7	171	30	4.42	1.3
	35	216	40	4.86	1.0
	28	264	50	4.60	0.9
	23.3	223	60	4.89	0.8
NMRV90	35	225	40	5.38	1.6
	28	270	50	5.79	1.3
	23.3	311	60	6.16	1.0
	17.5	328	80	6.17	0.9
NMRV110	28	281	50	7.32	2.3
	23.3	324	60	7.78	1.9
	17.5	402	80	8.57	1.3
	14	473	100	9.23	1.0
1.5kw					
NMRV63	186.7	67	7.5	2.35	1.9
	140	89	10	2.59	1.5
	93.3	127	15	2.97	1.1
	70	166	20	3.27	0.8
NMRV75	140	90	10	3.06	2.2
	93.3	130	15	3.50	1.5
	70	168	20	3.86	1.3
	56	205	25	4.16	1.0
	46.7	233	30	4.42	1.0
NMRV90	70	171	20	4.27	2.1
	56	210	25	4.60	1.6
	46.7	239	30	4.89	1.7
	35	307	40	5.38	1.2
	28	368	50	5.79	0.9
	23.3	424	60	6.16	0.8
NMRV110	35	319	40	6.80	2.2
	28	384	50	7.32	1.7
	23.3	442	60	7.78	1.4
	17.5	548	80	8.57	0.9
2.2kw					
NMRV75	186.7	100	7.5	2.78	1.8
	140	132	10	3.06	1.5
	93.3	191	15	3.50	1.0
	70	240	20	3.38	0.9
	46.7	269	30	3.89	0.8
NMRV90	186.7	101	7.5	3.08	2.9
	140	134	10	3.39	2.3
	93.3	194	15	3.88	1.9

TAIGONG 泰工减速机
RV系列蜗轮蜗杆减速机
RV SERIES WORM GEAR SPEED REDUCER

单级减速机(法兰输入，输入转速1400r/min)/(配4极电机)

Single step reducer (flange input，input speed is 1400r/min)/(matched with 4 poles motor)

机型代号 Model	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	使用系数 f.s.
2.2kw					
NMRV90	70	252	20	4.27	1.4
	56	308	25	4.60	1.1
	46.7	351	30	4.89	1.2
	35	433	40	4.90	1.0
	28	393	50	5.28	0.9
NMRV110	70	255	20	5.39	2.5
	56	315	25	5.81	2.2
	46.7	356	30	6.18	2.0
	35	468	40	6.8	1.5
	28	563	50	7.32	1.2
	23.3	648	60	7.78	1.0
NMRV130	35	468	40	8.89	2.2
	28	563	50	9.58	1.7
	23.3	648	60	10.18	1.4
	17.5	816	80	11.21	1.0
	14	869	100	10.62	0.8
NMRV150	28	570	50	13.10	2.5
	23.3	657	60	13.92	1.9
	17.5	816	80	15.32	1.4
	14	960	100	16.50	1.0
3kw					
NMRV75	186.7	136	7.5	2.78	1.4
	140	180	10	3.06	1.1
	93.3	261	15	3.50	0.8
NMRV90	186.7	138	7.5	3.08	2.1
	140	182	10	3.39	1.7
	93.3	264	15	3.88	1.4
	70	344	20	4.27	1.0
	56	420	25	4.60	0.8
	46.7	479	30	4.89	0.9
NMRV110	93.3	264	15	4.90	2.5
	70	348	20	5.39	1.9
	56	430	25	5.81	1.6
	46.7	485	30	6.18	1.5
	35	638	40	6.80	1.1
	28	767	50	7.32	0.9
NMRV130	56	429	25	7.60	2.2
	46.7	491	30	8.08	2.1
	35	638	40	8.89	1.6
	28	767	50	9.58	1.3
	23.3	884	60	10.18	1.0
	17.5	1113	80	11.21	0.8
NMRV150	28	777	50	13.10	1.8
	23.3	896	60	13.92	1.4
	17.5	1113	80	15.32	1.0
	14	1310	100	16.50	0.8
4kw					
NMRV75	186.7	182	7.5	2.44	1.4
NMRV90	186.7	184	7.5	3.08	1.6
	140	243	10	3.39	1.3
	93.3	352	15	3.88	1.0
	70	458	20	4.27	0.8
NMRV110	140	242	10	4.28	2.5
	93.3	352	15	4.90	1.9
	70	464	20	5.39	1.4

机型代号 Model	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	使用系数 f.s.
4kw					
NMRV110	56	573	25	5.81	1.2
	46.7	647	30	6.18	1.1
NMRV130	56	573	25	7.60	1.6
	46.7	655	30	8.08	1.6
	35	851	40	8.89	1.2
	28	1023	50	9.58	1.0
	23.3	1179	60	10.18	0.8
NMRV150	28	1036	50	13.10	1.4
	23.3	1195	60	13.92	1.1
	17.5	1484	80	15.32	0.8
5.5kw					
NMRV110	186.7	253	7.5	3.89	2.2
	140	334	10	4.28	1.8
	93.3	484	15	4.90	1.4
	70	638	20	5.39	0.9
	56	711	25	5.15	1.0
NMRV130	140	333	10	5.60	2.5
	93.3	490	15	6.41	1.9
	70	645	20	7.06	1.4
	56	788	25	7.60	1.2
	46.7	900	30	8.08	1.2
	35	1171	40	8.89	0.9
	28	1103	50	8.51	0.8
NMRV150	70	645	20	9.65	2.0
	56	788	25	10.40	1.5
	46.7	934	30	11.05	1.3
	35	1171	40	12.16	1.3
	28	1426	50	13.10	1.0
	23.3	1643	60	13.92	0.8
7.5kw					
NMRV110	186.7	345	7.5	3.89	1.6
	140	455	10	4.28	1.3
	93.3	660	15	4.90	1.0
NMRV130	186.7	349	7.5	5.09	2.1
	140	455	10	5.6	1.8
	93.3	668	15	6.41	1.4
	70	880	20	7.06	1.0
	56	1074	25	7.6	0.9
	46.7	1228	30	8.08	0.8
	35	1596	40	8.89	0.7
NMRV150	70	880	20	9.65	1.5
	56	1074	25	10.4	1.1
	46.7	1274	30	11.05	0.9
	35	1596	40	12.16	1.0
11kw					
NMRV150	186.7	512	7.5	6.96	2.3
	140	675	10	7.66	1.8
	93.3	990	15	8.77	1.3
	70	1291	20	9.65	1.0
	56	1576	25	10.4	0.8
15kw					
NMRV150	186.7	698	7.5	6.96	1.7
	140	921	10	7.66	1.3
	93.3	1351	15	8.77	0.9
	70	1760	20	9.65	0.7

单级减速机(轴伸输入，输入转速1400r/min)

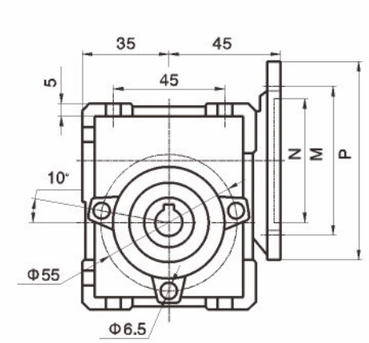
Single step reducer (shaft extend input，input speed is 1400r/min)

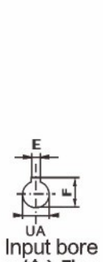
机型代号 Model	输入轴功率 kw	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	输出轴径向力 kN
NRV30	0.4	186.7	18	7.5	0.68	0.15
	0.3	140	18	10	0.75	0.16
	0.2	93.3	18	15	0.86	0.16
	0.2	70	18	20	0.94	0.19
	0.2	56	21	25	1.02	0.21
	0.2	46.7	20	30	1.08	0.21
	0.1	35	18	40	1.19	0.21
	0.1	28	17	50	1.28	0.21
	0.1	23.3	16	60	1.36	0.21
	0.1	17.5	13	80	1.50	0.21
NRV40	0.9	186.7	40	7.5	1.31	0.29
	0.7	140	40	10	1.44	0.33
	0.5	93.3	40	15	1.65	0.33
	0.4	70	39	20	1.82	0.35
	0.3	56	38	25	1.96	0.35
	0.3	46.7	45	30	2.08	0.35
	0.2	35	41	40	2.29	0.35
	0.2	28	39	50	2.47	0.35
	0.2	23.3	36	60	2.63	0.35
	0.1	17.5	33	80	2.89	0.35
	0.1	14	29	100	3.11	0.35
NRV50	1.6	186.7	71	7.5	1.80	0.4
	1.2	140	72	10	1.98	0.49
	0.9	93.3	74	15	2.27	0.49
	0.7	70	73	20	2.50	0.49
	0.5	56	70	25	2.69	0.49
	0.6	46.7	84	30	2.86	0.49
	0.4	35	76	40	3.15	0.49
	0.3	28	73	50	3.39	0.49
	0.3	23.3	68	60	3.61	0.49
	0.2	17.5	65	80	3.97	0.49
	0.2	14	55	100	4.28	0.49
NRV63	2.8	186.7	128	7.5	2.35	0.5
	2.2	140	130	10	2.59	0.57
	1.6	93.3	140	15	2.97	0.61
	1.2	70	135	20	3.27	0.66
	1.0	56	130	25	3.52	0.70
	1.1	46.7	160	30	3.74	0.70
	0.8	35	145	40	4.12	0.70
	0.6	28	135	50	4.44	0.70
	0.5	23.3	130	60	4.71	0.70
	0.4	17.5	122	80	5.19	0.70
	0.3	14	11 8	100	5.59	0.70
NRV75	4.1	186.7	185	7.5	2.78	0.70
	3.2	140	195	10	3.06	0.83
	2.3	93.3	200	15	3.50	0.85
	1.9	70	210	20	3.86	0.98
	1.5	56	200	25	4.16	0.98
	1.5	46.7	230	30	4.42	0.98

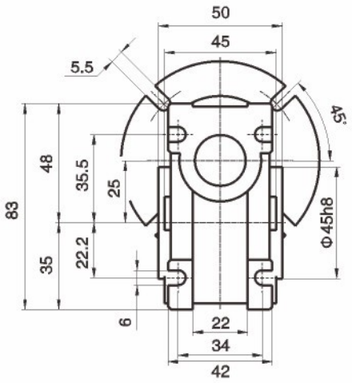
机型代号 Model	输入轴功率 kw	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	输出轴径向力 kN
NRV75	1.1	35	220	40	4.86	0.98
	0.9	28	210	50	5.24	0.98
	0.8	23.3	200	60	5.56	0.98
	0.6	17.5	190	80	6.13	0.98
	0.5	14	180	100	6.60	0.98
NRV90	6.3	186.7	290	7.5	3.08	0.90
	5.1	140	310	10	3.39	1.08
	4.1	93.3	360	15	3.88	1.25
	2.4	56	340	25	4.60	1.27
	2.6	46.7	410	30	4.89	1.27
	1.8	35	360	40	5.38	1.27
	1.4	28	340	50	5.79	1.27
	1.1	23.3	320	60	6.16	1.27
	0.8	17.5	285	80	6.78	1.27
	0.7	14	270	100	7.30	1.27
NRV110	12	186.7	552	7.5	3.89	1.20
	9.8	140	598	10	4.28	1.46
	7.5	93.3	656	15	4.90	1.60
	5.6	70	644	20	5.39	1.70
	4.7	56	679	25	5.81	1.70
	4.5	46.7	725	30	6.18	1.70
	3.3	35	702	40	6.80	1.70
	2.6	28	660	50	7.32	1.70
	2.1	23.3	616	60	7.78	1.70
	1.4	17.5	515	80	8.57	1.70
	1.1	14	483	100	9.23	1.70
NRV130	16.1	186.7	750	7.5	5.09	1.50
	13.5	140	820	10	5.60	1.84
	10.3	93.3	920	15	6.41	2.07
	7.8	70	910	20	7.06	2.10
	6.5	56	930	25	7.60	2.10
	6.4	46.7	1040	30	8.08	2.10
	4.9	35	1050	40	8.89	2.10
	3.8	28	980	50	9.58	2.10
	3.1	23.3	900	60	10.18	2.10
	2.3	17.5	840	80	11.21	2.10
	1.7	14	740	100	12.07	2.10
NRV150	25.8	186.7	1200	7.5	6.96	1.95
	20.2	140	1240	10	7.66	2.26
	13.9	93.3	1250	15	8.77	2.28
	11.1	70	1300	20	9.65	2.67
	8.4	56	1200	25	10.40	2.80
	7.1	46.7	1200	30	11.05	2.80
	7.3	35	1550	40	12.16	2.80
	5.4	28	1400	50	13.10	2.80
	4.2	23.3	1260	60	13.92	2.80
	3.1	17.5	1150	80	15.32	2.80
	2.3	14	1000	100	16.50	2.80

减速机外型尺寸 Dimensions

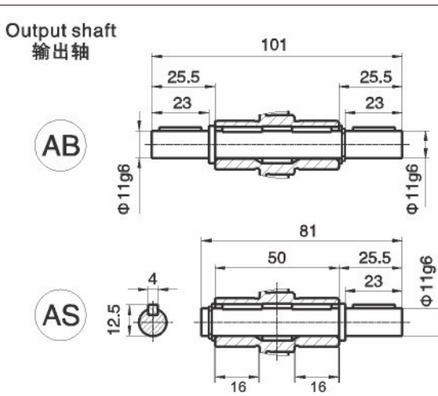
NMRV 025

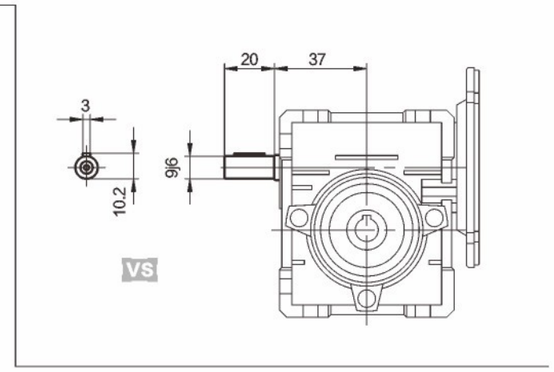




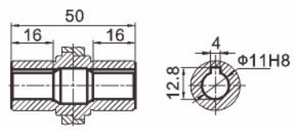


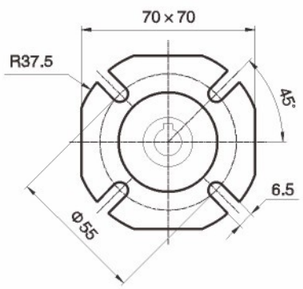
Output shaft
输出轴





Output bore
输出孔





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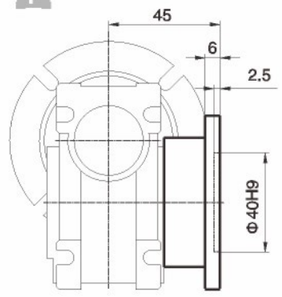
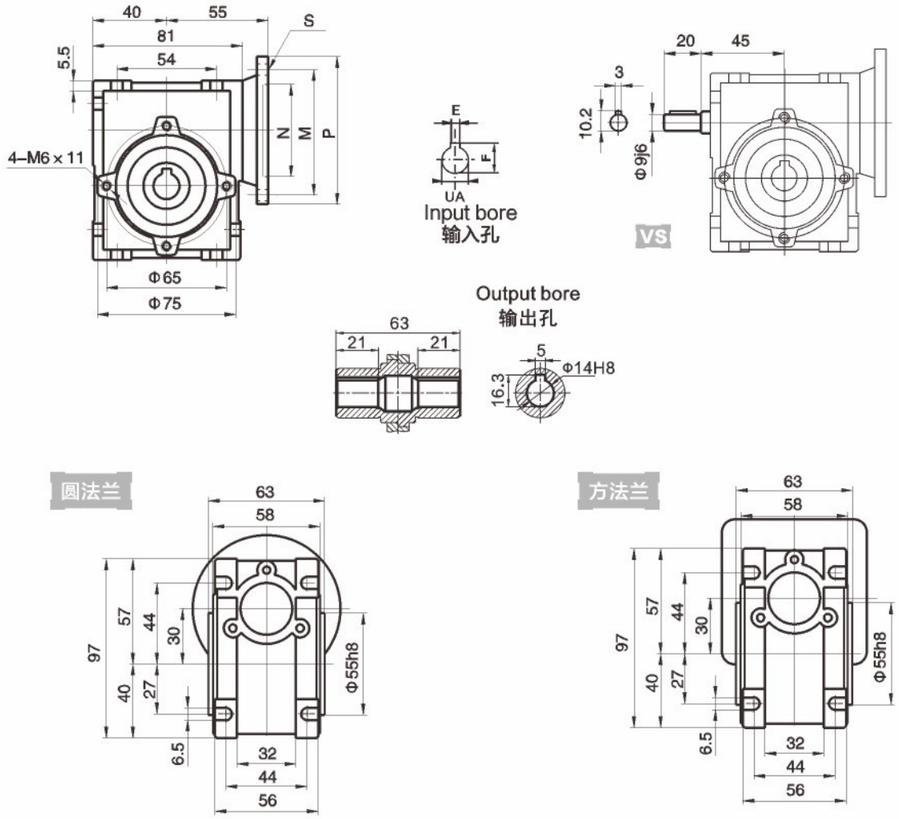


重量 Weight: 0.7kg

中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange					
		法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰直径 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
25	圆法兰	56B14	50	65	80	3	9

减速机外型尺寸 Dimensions

NMRV 030



圆法兰

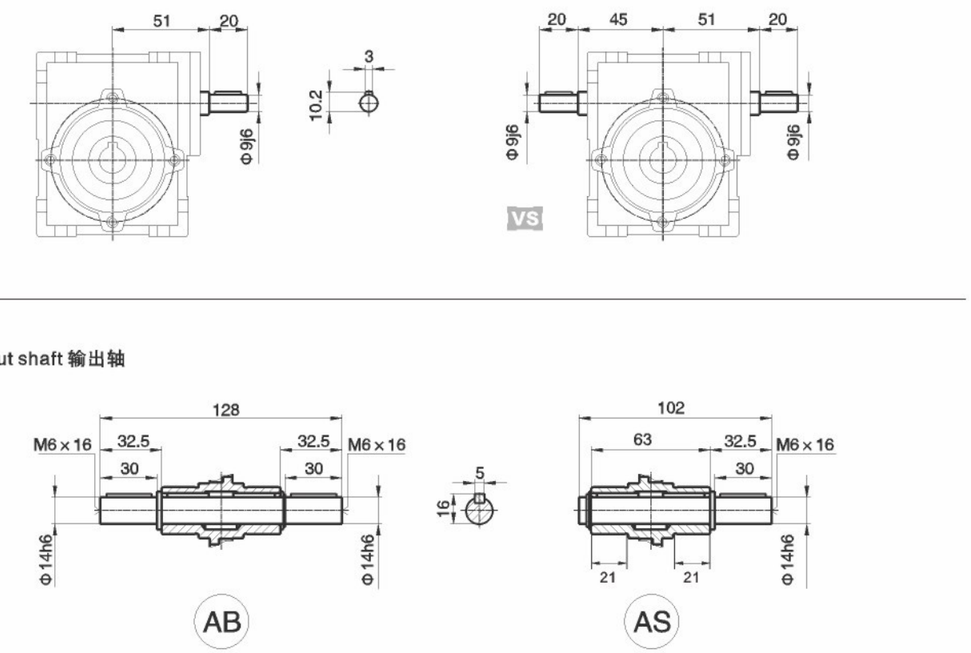
方法兰

中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange					
		法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰直径 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
30	圆法兰	63B5	95	115	140	3、4	9、11
		63B14	60	75	90		
		56B5	80	100	120		
		56B14	50	65	80		

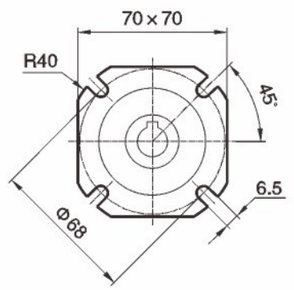
中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange					
		法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰边长 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
30	方法兰	57×57	38.1	66.7	57	3、4	9、11
		60×60	50	70	60		
		80×80	73	94	80		
		90×90	83	104(U型螺丝孔)	90		
		104×104	94	118(U型螺丝孔)	104		
	偏心方法兰	90×90	偏心18	104	90	4	12(非标)

TAIGONG 泰工减速机
RV系列蜗轮蜗杆减速机
RV SERIES WORM GEAR SPEED REDUCER

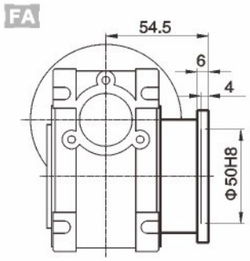
NRV 030



Output flange 输出法兰



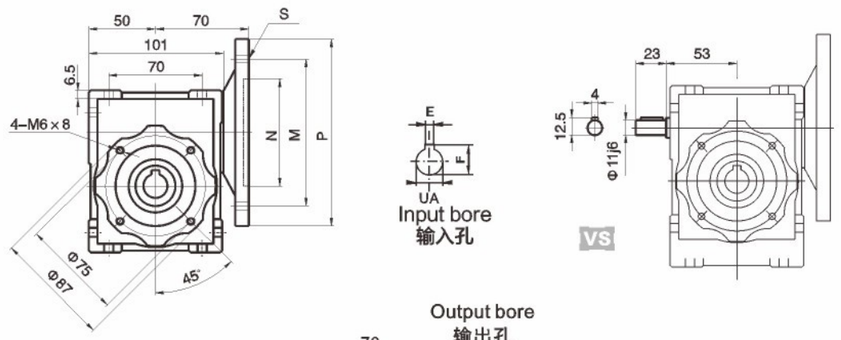
FA

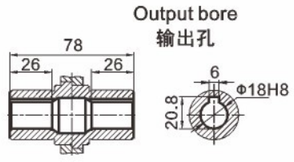


重量 Weight: 1.3kg

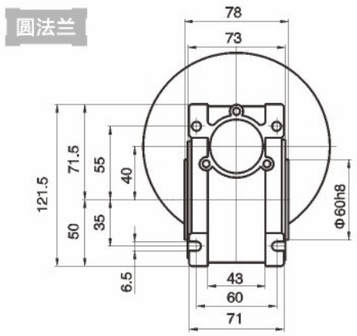
减速机外型尺寸 Dimensions

NMRV 040

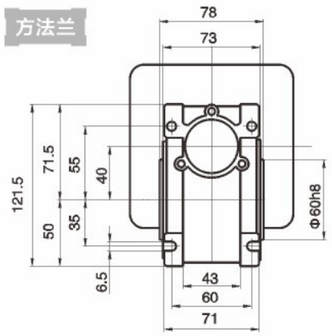




圆法兰



方法兰

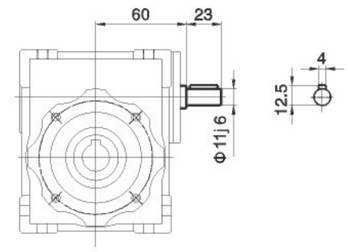


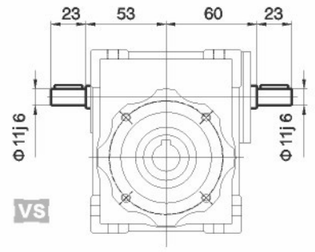
中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange					
		法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰直径 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
40	圆法兰	71B5	110	130	160	3、4、5	9、11、14
		71B14	70	85	105		
		63B5	95	115	140		
		63B14	60	75	90		
		56B5	80	100	120		

中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange					
		法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰边长 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
40	方法兰	60×60	50	70	60	3、4、5	9、11、14
		80×80	70、73	94	80		
		86×86	73	95(U型螺丝孔)	86		
		90×90	83	104(U型螺丝孔)	90		
		104×104	94	118(U型螺丝孔)	104		
	偏心方法兰	90×90	偏心18	104	90	4、5	12(非标)、15
		104×104	偏心20	120	104		

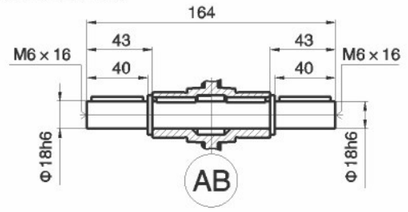
TAIGONG 泰工减速机
RV系列蜗轮蜗杆减速机
RV SERIES WORM GEAR SPEED REDUCER

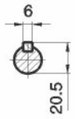
NRV 040

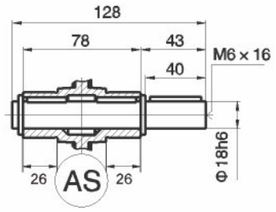




Output shaft 输出轴

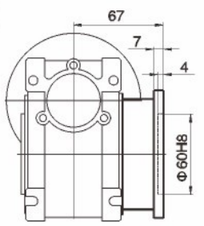


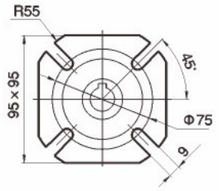




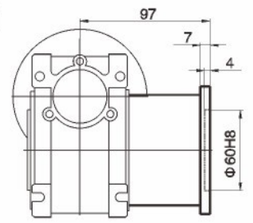
Output flange 输出法兰

FA

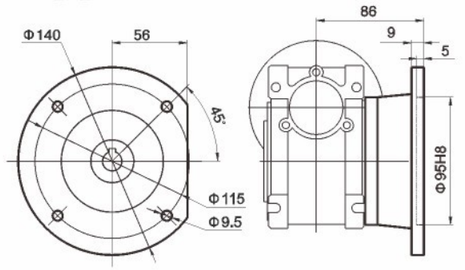




FB



FC



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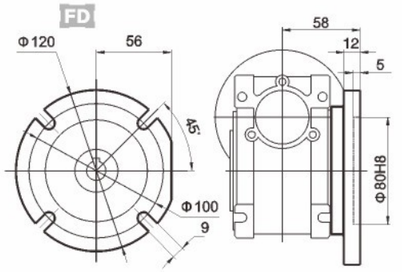
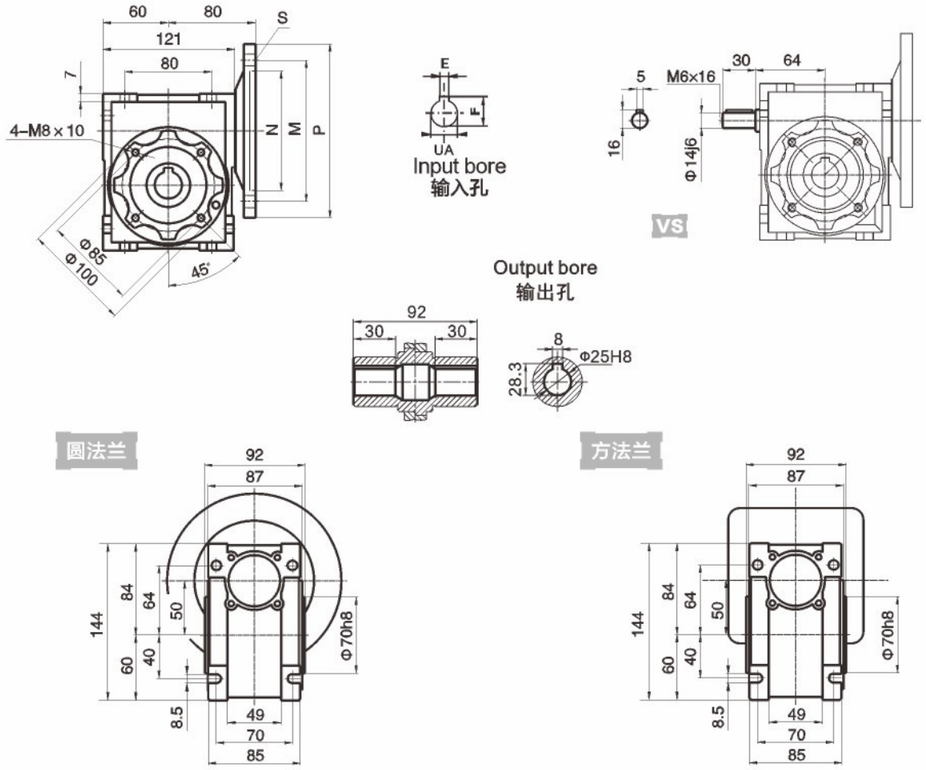


重量 Weight: 2.4kg

减速机外型尺寸 Dimensions

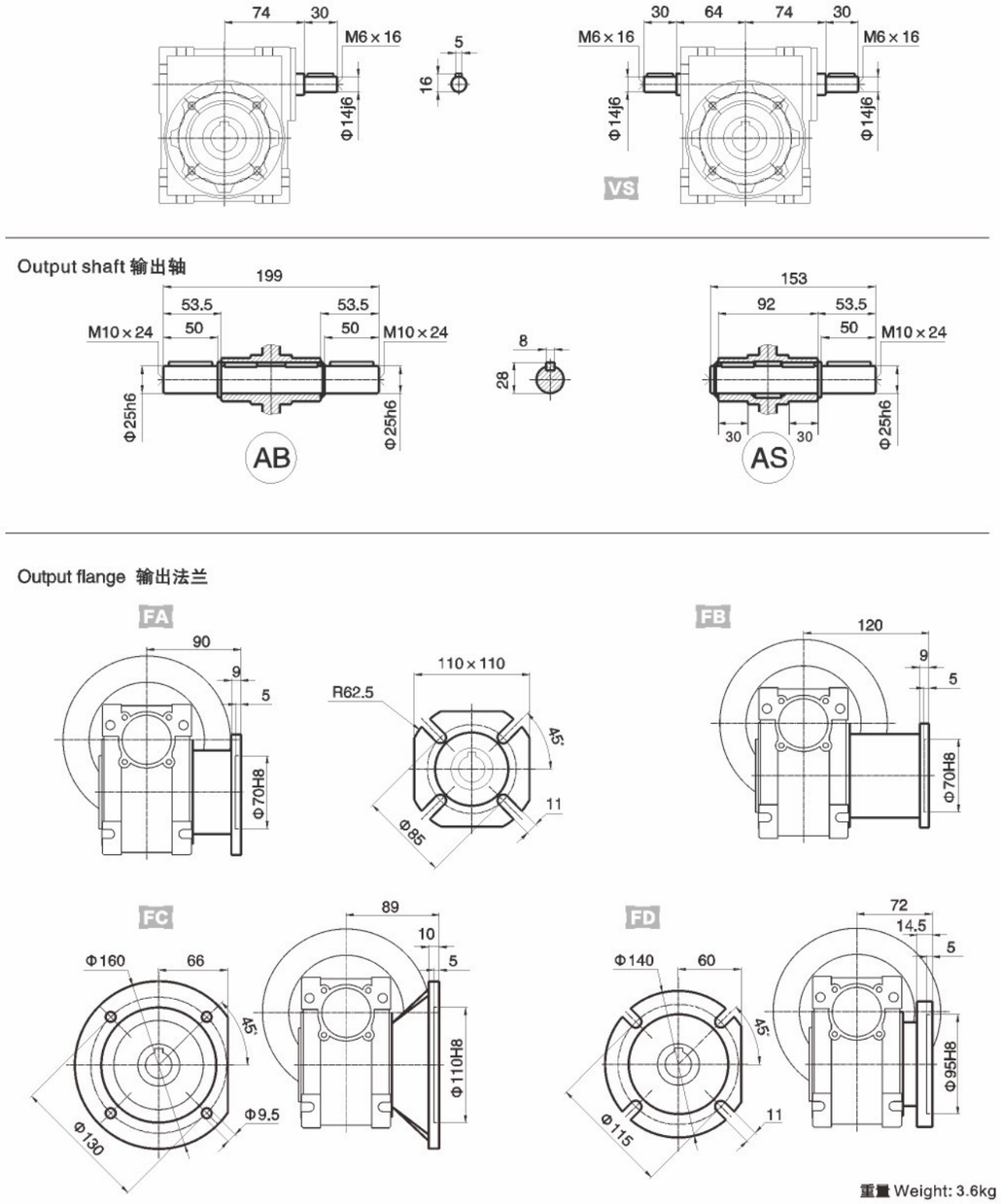
NMRV 050



中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange 法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰直径 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
50	圆法兰	80B5	130	165	200	4、5、6	11、14、19
		80B14	80	100	120		
		71B5	110	130	160		
		71B14	70	85	105		
		63B5	95	115	140		

中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange 法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰边长 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
50	方法兰	60×60	50	70	60	4、5、6	11、14、19
		80×80	70	94	80		
		86×86	73	95(U型螺丝孔)	86		
		90×90	83	104(U型螺丝孔)	90		
		104×104	94	118(U型螺丝孔)	104		
		110×110	85、95	130(U型螺丝孔)	110		
		130×130	100、110	145(U型螺丝孔)	130		
	偏心方法兰	90×90	偏心18	104	90	4、5	14、15
		104×104	偏心20	120	104		

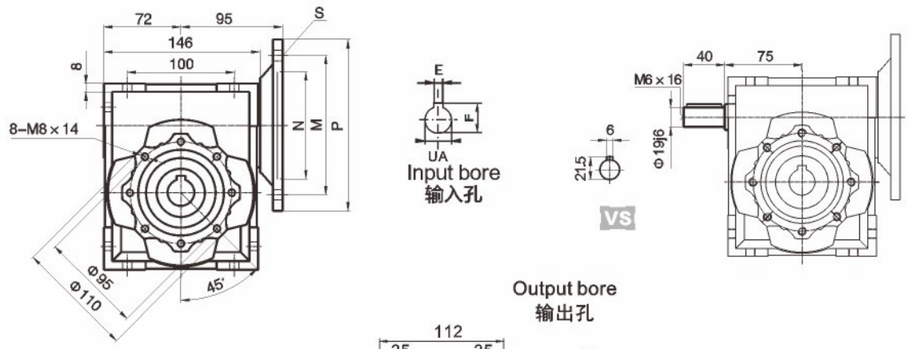
NRV 050



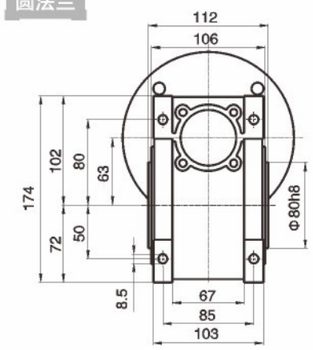
重量 Weight: 3.6kg

减速机外型尺寸 Dimensions

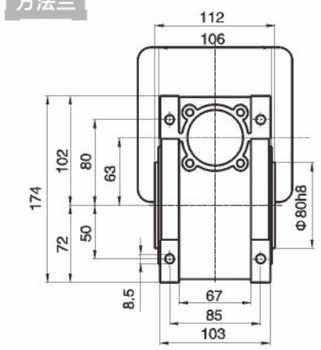
NMRV 063



圆法兰



方法兰

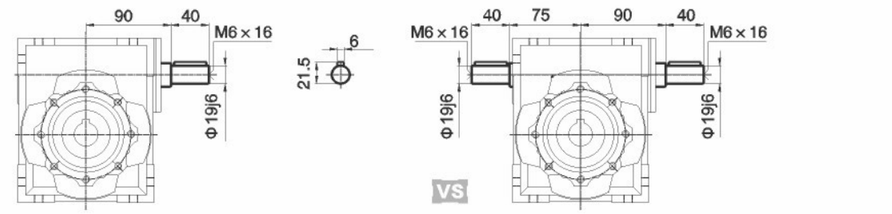


中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange					
		法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰直径 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
63	圆法兰	90B5	130	165	200	5、6、8	14、19、24
		90B14	95	115	140		
		80B5	130	165	200		
		80B14	80	100	120		
		71B5	110	130	160		
		71B14	70	85	105		

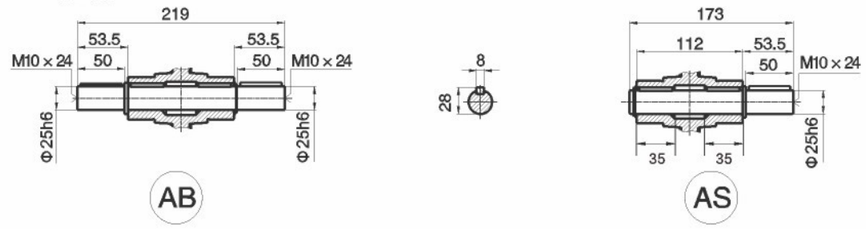
中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange					
		法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰边长 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
63	方法兰	80×80	70	94	80	5、6、8	14、19、22、24
		86×86	73	95(U型螺丝孔)	86		
		110×110	85、95	130(U型螺丝孔)	110		
		130×130	100、110	145(U型螺丝孔)	130		

TAIGONG 泰工减速机
RV系列蜗轮蜗杆减速机
RV SERIES WORM GEAR SPEED REDUCER

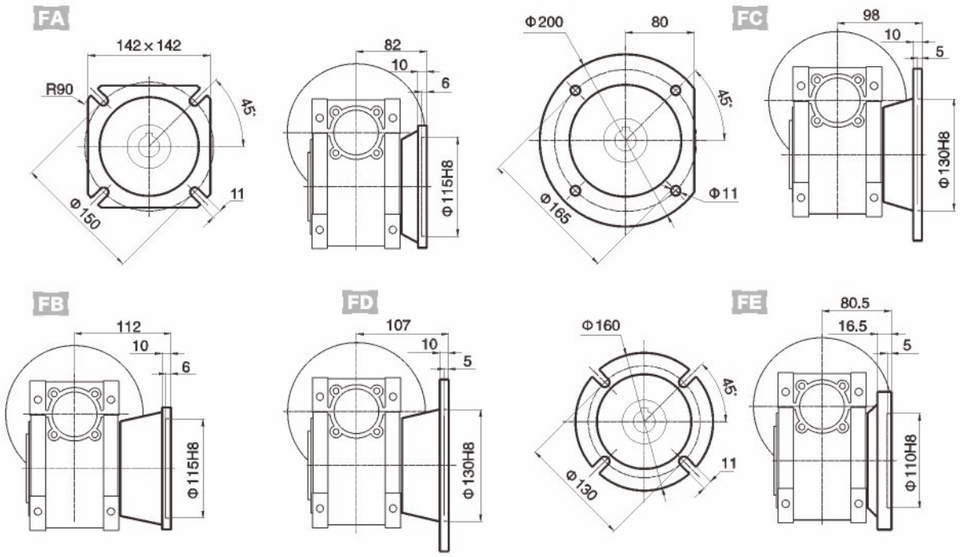
NRV 063



Output shaft 输出轴



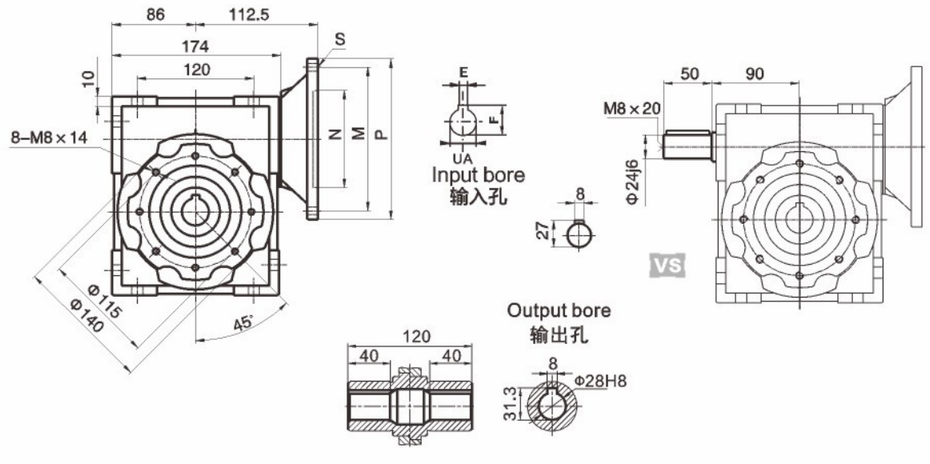
Output flange 输出法兰



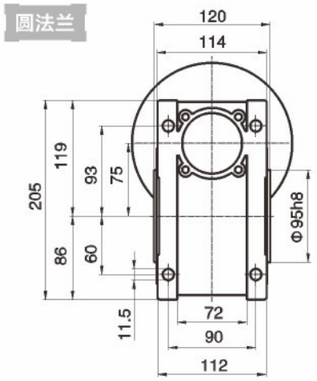
重量 Weight: 6.3kg

减速机外型尺寸 Dimensions

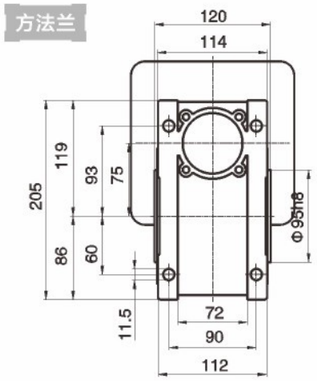
NMRV 075



圆法兰



方法兰

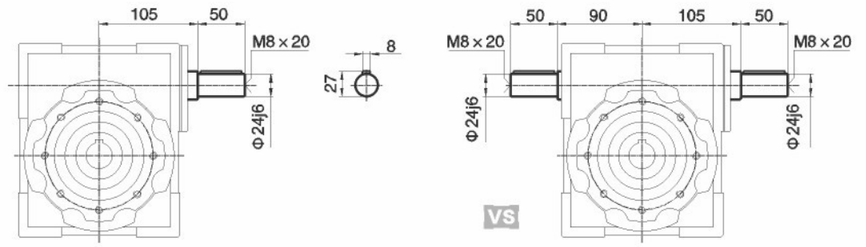


中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange					
		法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰直径 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
75	圆法兰	100/11285	180	215	250	6、8	14、19、24、28
		100/112B14	110	130	160		
		90B5	130	165	200		
		90B14	95	115	140		
		80B5	130	165	200		
		80B14	80	100	120		
		71B5	110	130	160		

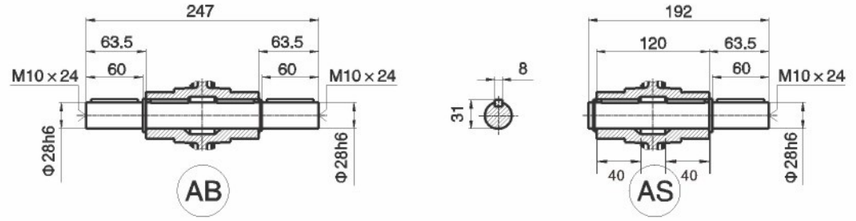
中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange					
		法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰边长 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
75	方法兰	80×80	70	94	80	6、8	19、22、24、28
		110×110	85、95	130(U型螺丝孔)	110		
		130×130	100、110	145(U型螺丝孔)	130		
		150×150	130	165(U型螺丝孔)	150		

TAIGONG 泰工减速机
RV系列蜗轮蜗杆减速机
RV SERIES WORM GEAR SPEED REDUCER

NRV 075

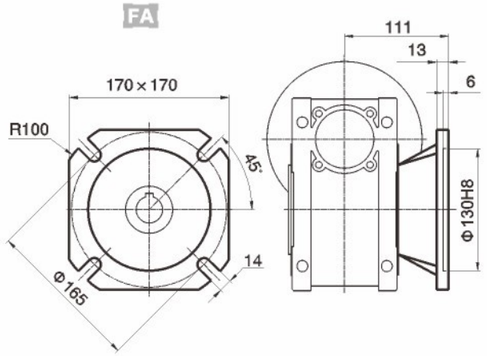


Output shaft 输出轴

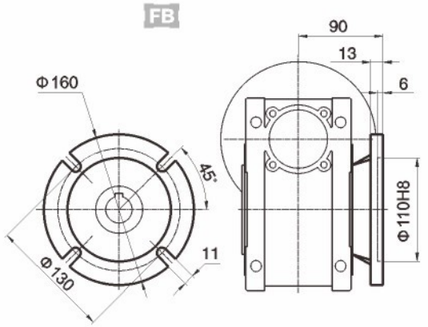


Output flange 输出法兰

FA



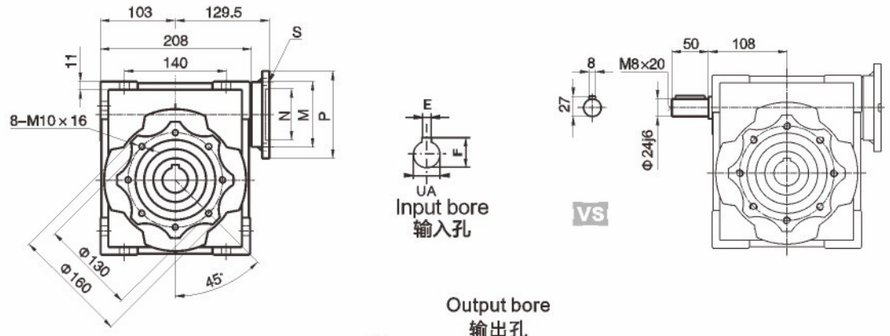
FB



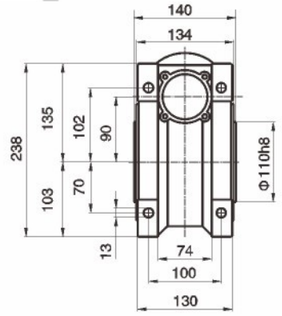
重量 Weight: 9kg

减速机外型尺寸 Dimensions

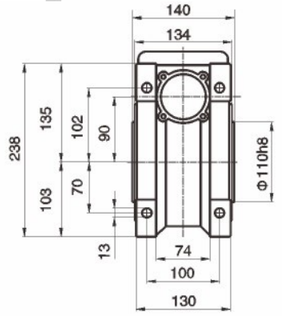
NMRV 090



圆法兰



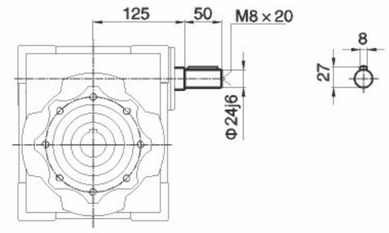
方法兰



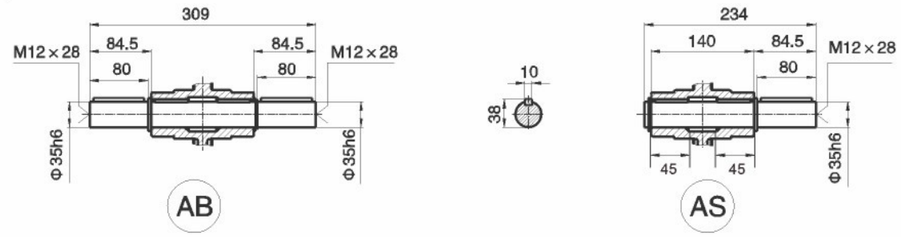
中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange					
		法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰直径 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
90	圆法兰	100/112B5	180	215	250	6、8	19、24、28
		100/112B14	110	130	160		
		90B5	130	165	200		
		90B14	95	115	140		
		80B5	130	165	200		
		80B14	80	100	120		

中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange					
		法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰边长 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
90	方法兰	80×80	70	94	80	6、8	19、22、24、28
		110×110	85、95	130(U型螺丝孔)	110		
		130×130	100、110	145(U型螺丝孔)	130		
		150×150	130	165(U型螺丝孔)	150		

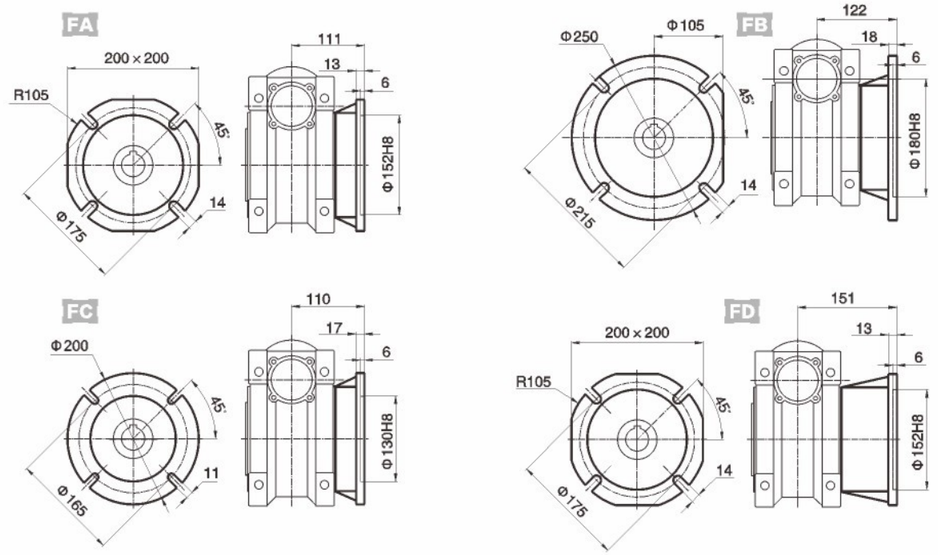
NRV 090



Output shaft 输出轴



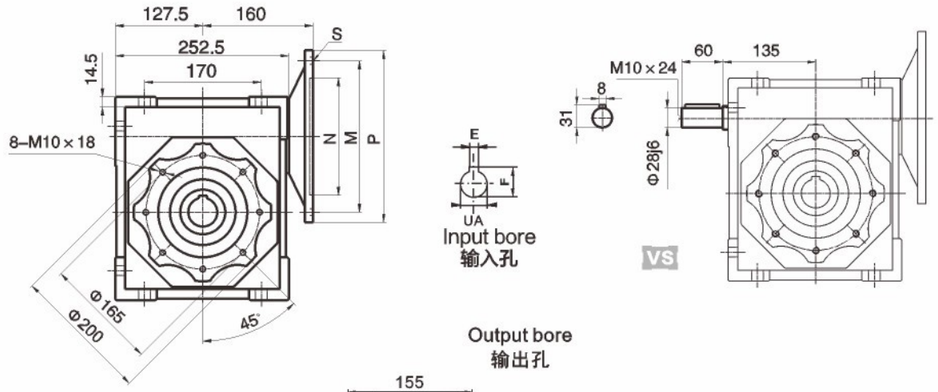
Output flange 输出法兰

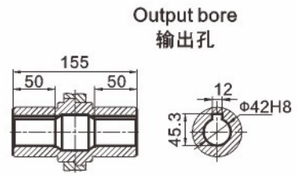


重量 Weight: 13kg

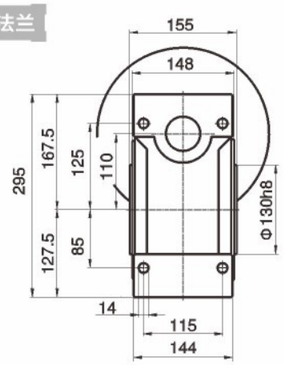
减速机外型尺寸 Dimensions

NMRV 110

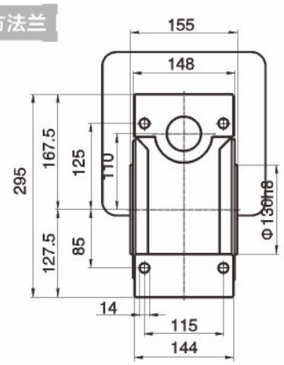




圆法兰



方法兰

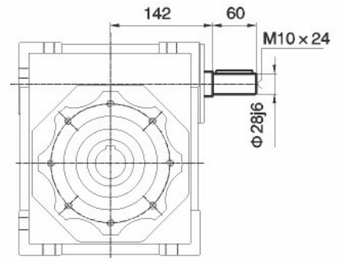


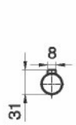
中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange					
		法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰直径 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
110	圆法兰	132B5	230	265	300	6、8、10	19、24、28、38
		132B14	130	165	200		
		100/112B5	180	215	250		
		90B5	130	165	200		
		90B14	95	115	140		
		80B5	130	165	200		

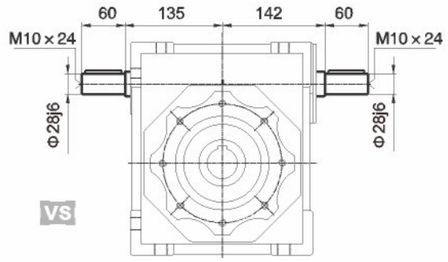
中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange					
		法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰边长 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
110	方法兰	130×130	100、110	145(U型螺丝孔)	130	8、10	22、24、28、35、38
		180×180	114.3	200	180		

TAIGONG 泰工减速机
RV系列蜗轮蜗杆减速机
RV SERIES WORM GEAR SPEED REDUCER

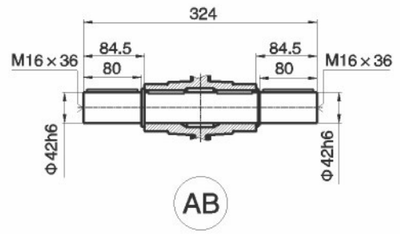
NRV 110

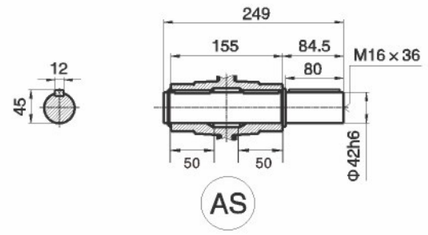






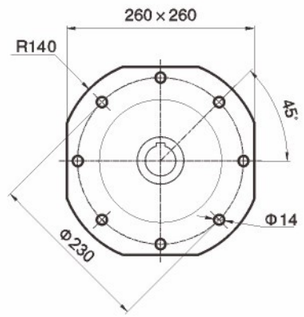
Output shaft 输出轴

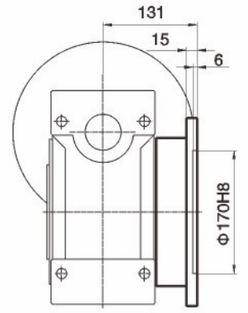




Output flange 输出法兰

FA

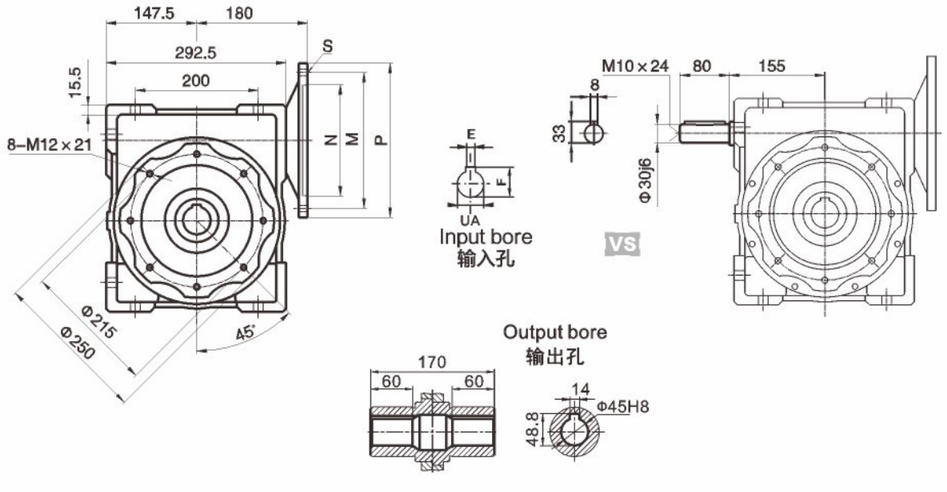




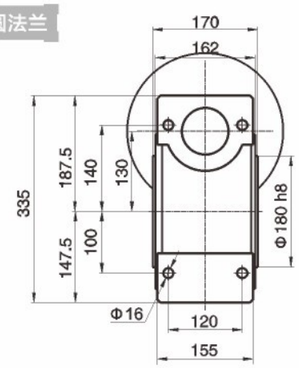
重量 Weight: 40kg

减速机外型尺寸 Dimensions

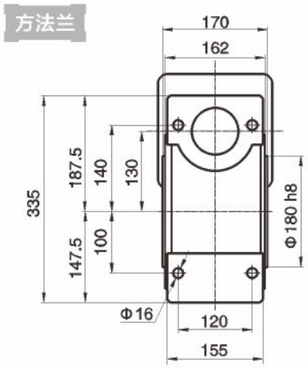
NMRV 130



圆法兰



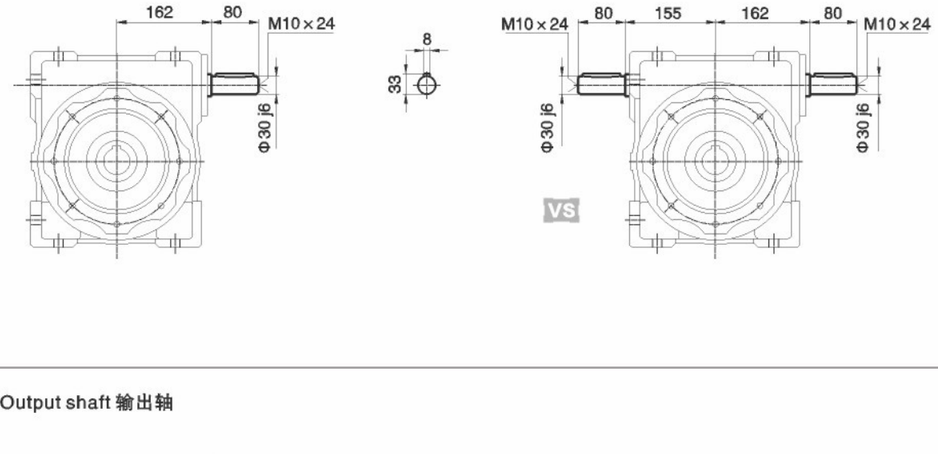
方法兰



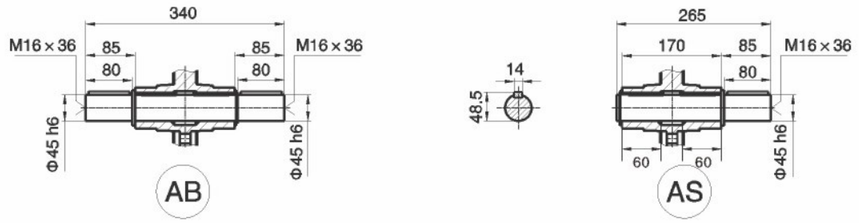
中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange					
		法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰直径 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
130	圆法兰	132B5	230	265	300	8、10	24、28、38
		132B14	130	165	200		
		100/112B5	180	215	250		
		90B5	130	165	200		
		90B14	95	115	140		

中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange					
		法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰边长 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
130	方法兰	130×130	100、110	145(U型螺丝孔)	130	8、10	22、24、28、35、38
		180×180	114.3	200	180		

NRV 130

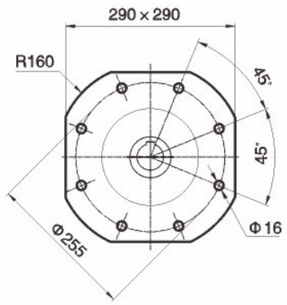


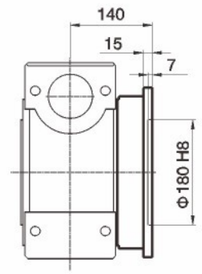
Output shaft 输出轴



Output flange 输出法兰

FA

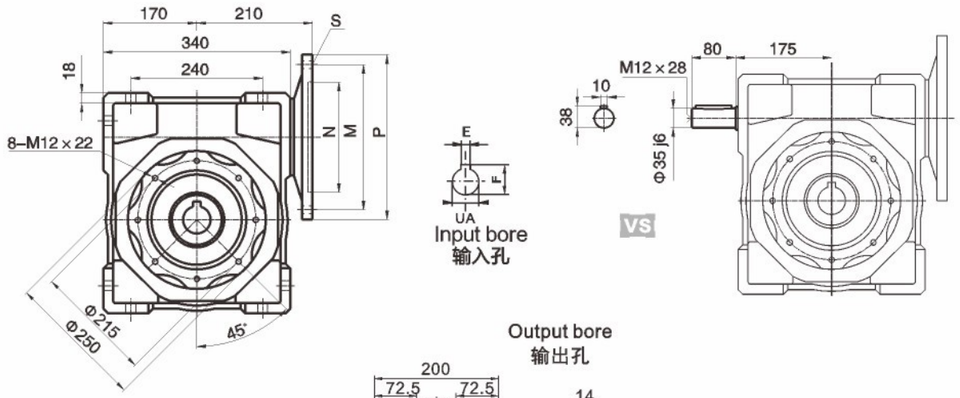




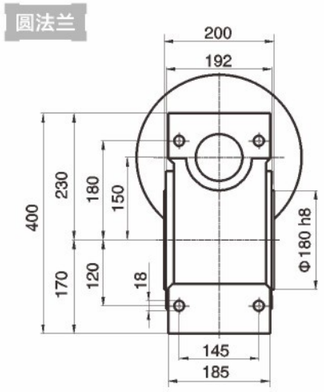
重量 Weight: 50kg

减速机外型尺寸 Dimensions

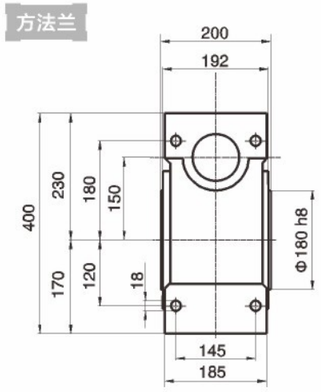
NMRV 150



圆法兰



方法兰

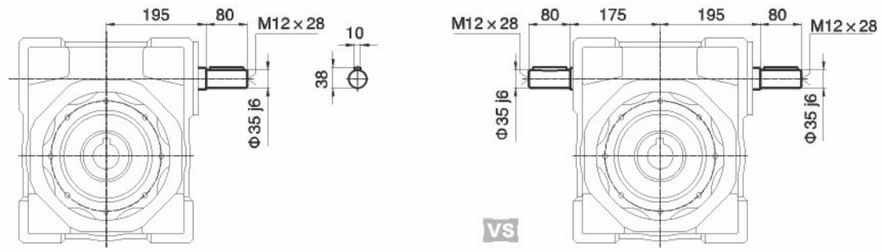


中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange					
		法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰直径 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
150	圆法兰	160B5	250	300	350	8、10、12	28、35、38、42
		132B5	230	265	300		
		132B14	130	165	200		
		100/112B5	180	215	250		

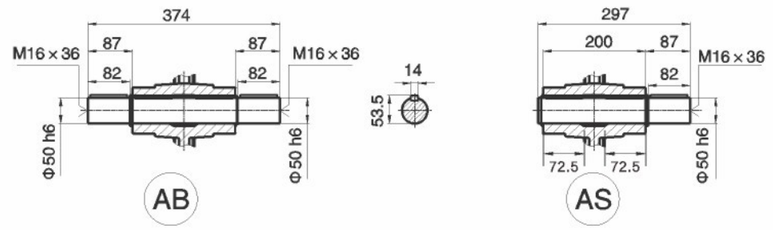
中心距: Center Distance A	法兰型式 Flange Type	电机法兰 Motor Flange					
		法兰规格 PAM IEC	止口 N	对角螺丝孔距 M	法兰边长 P	键槽 E	输入轴孔直径UA Input Shaft Hole Diameter
150	方法兰	180×180	114.3	200	180	8、10、12	28、35、38、42
		220×220	200	235	220		42

TAIGONG 泰工减速机
RV系列蜗轮蜗杆减速机
RV SERIES WORM GEAR SPEED REDUCER

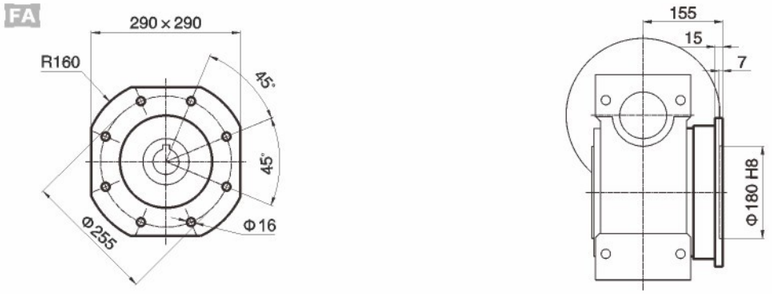
NRV 150



Output shaft 输出轴

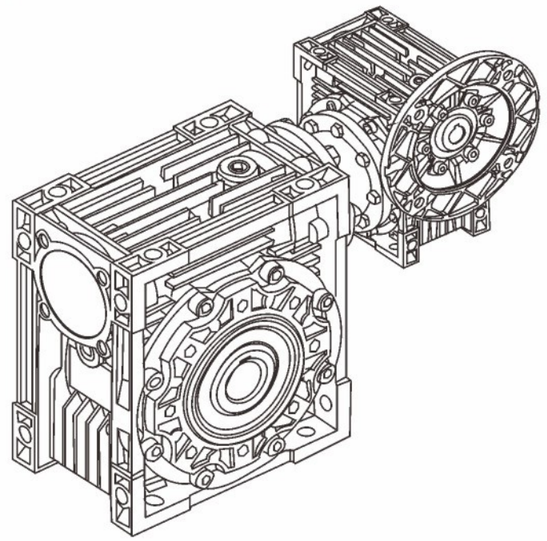


Output flange 输出法兰



重量 Weight: 84kg

NMRV-NMRV



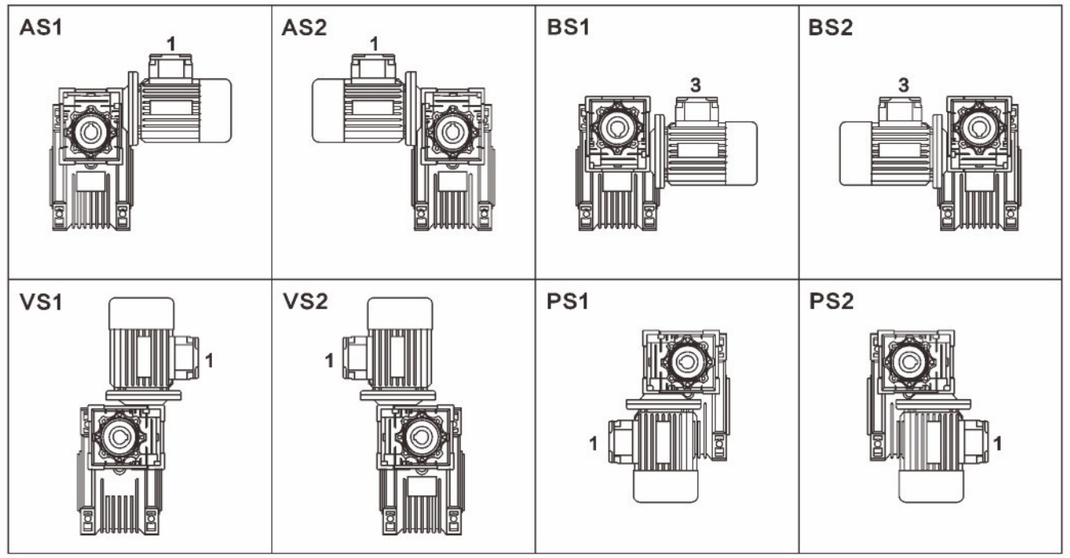
NMRV-NMRV

型号说明 Model notes

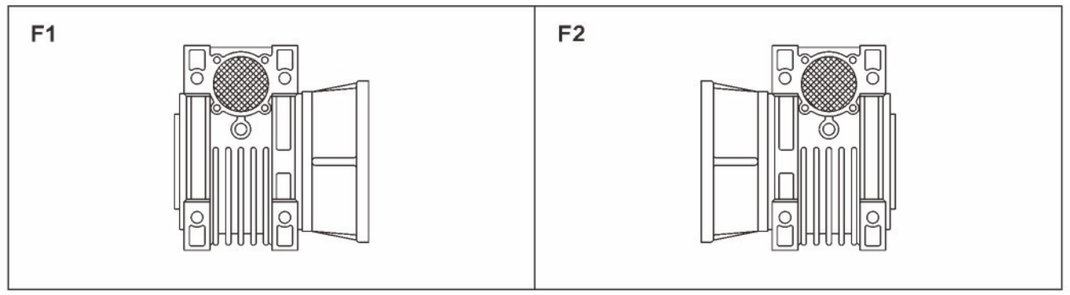
NMRV-063/130-600-VS-F1 (FA)-AS-80B5-0.75kW-AS1			
NMRV-NMRV	双蜗轮减速机 Combined worm geared motor		
NRV-NMRV	蜗轮减速机(配接输入轴) Worm gear speed reducer (Mounting input shaft)		
063/130	蜗轮减速机中心距 Center distance		
600	减速比 Reduction ratio		
VS	双向输入轴 Double input shaft	F1 (FA)	输出法兰位置及型号 Output flange
AS	单向输出轴 Single output shaft	AB	双向输出轴 Double output shaft
PAM	电机联接 Fitted for motor coupling	80B5	电机机座号和安装结构形式 Motor mounting facility
0.75kW	电机功率 Electric motor power	As1	安装方位 Mounting position

TAIGONG 泰工减速机
RV系列蜗轮蜗杆减速机
RV SERIES WORM GEAR SPEED REDUCER

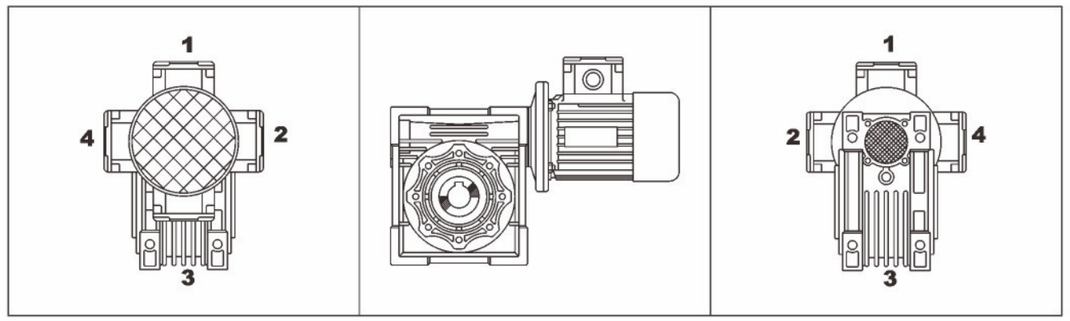
NMRV-NMRV安装方式 Mounting positions



法兰输出 Output flange F-FL



电机接线盒方位 Position of terminal box



选型参数 Parameter selections

双级减速机(法兰输入，输入转速1400r/min)/(配4极电机)
Double step reducer(flange input, input speed is 1400r/min)/(matched with 4 poles motor)

组合机型 Model	输出转速 N_2(r/min)	输出转矩 M_2(N.m)	总传动比 i	高速级传动比 i1	低速级传动比 i2	输出轴径向力 kN	使用系数 f.s.
0.06kw							
25/30	14	25	100	10	10	1.62	1.3
	9.3	32	150	10	15	1.83	0.9
	7.0	41	200	10	20	1.83	0.7
	5.6	44	250	10	25	1.83	0.8
25/40	4.7	59	300	10	30	3.49	1.2
	3.5	71	400	10	40	3.49	0.9
	2.8	82	500	20	25	3.49	0.7
	2.3	101	600	20	30	3.49	0.6
	1.9	116	750	25	30	3.49	0.5
	1.6	143	900	30	30	3.49	0.5
	1.2	171	1200	30	40	3.49	0.4
	0.9	197	1500	50	30	3.49	0.3
	0.8	217	1800	60	30	3.49	0.3
	0.6	268	2400	60	40	3.49	0.2
	0.5	324	3000	60	50	3.49	0.2
	0.4	294	4000	50	80	3.49	0.1
	0.3	356	5000	50	100	3.49	0.1
30/40	4.7	57	300	10	30	3.49	1.3
	3.5	70	400	10	40	3.49	0.9
	2.8	96	500	20	25	3.49	0.6
	2.3	104	600	20	30	3.49	0.7
	1.9	121	750	25	30	3.49	0.6
	1.6	139	900	30	30	3.49	0.5
	1.2	166	1200	30	40	3.49	0.4
	0.9	196	1500	50	30	3.49	0.4
	0.8	218	1800	60	30	3.49	0.3
	0.58	261	2400	60	40	3.49	0.2
	0.4	300	3200	80	40	3.49	0.2
	0.4	279	4000	50	80	3.49	0.1
	0.28	338	5000	50	100	3.49	0.1
30/50	1.6	141	900	30	30	4.84	1.0
	1.2	169	1200	30	40	4.84	0.7
	0.93	199	1500	50	30	4.84	0.7
	0.78	222	1800	60	30	4.84	0.7
	0.6	266	2400	60	40	4.84	0.5
	0.5	307	3000	60	50	4.84	0.4
	0.35	288	4000	50	80	4.84	0.3
	0.29	311	4800	60	80	4.84	0.3
30/63	0.9	203	1500	30	50	6.27	1.1
	0.78	225	1800	30	60	6.27	0.9
	0.58	276	2400	60	40	6.27	0.8
	0.47	319	3000	60	50	6.27	0.7
	0.35	306	4000	50	80	6.27	0.6
	0.28	360	5000	50	100	6.27	0.4

组合机型 Model	输出转速 N_2(r/min)	输出转矩 M_2(N.m)	总传动比 i	高速级传动比 i1	低速级传动比 i2	输出轴径向力 kN	使用系数 f.s.
0.06kw							
40/75	0.6	330	2400	60	40	7.38	1.1
	0.47	377	3000	60	50	7.38	0.8
	0.35	355	4000	50	80	7.38	0.7
	0.28	419	5000	50	100	7.38	0.5
40/90	0.5	405	3000	60	50	8.18	1.4
	0.35	365	4000	50	80	8.18	1.3
	0.28	431	5000	50	100	81.8	1.0
0.09kw							
25/30	14	37	100	10	10	1.62	0.8
	9.3	49	150	10	15	1.83	0.6
	7.0	62	200	10	20	1.83	0.5
	5.6	66	250	10	25	1.83	0.5
	4.7	75	300	10	30	1.83	0.4
	3.5	107	400	10	40	1.83	0.3
	2.8	115	500	20	25	1.83	0.2
	2.3	135	600	20	30	1.83	0.2
	1.9	151	750	25	30	1.83	0.2
	1.6	178	900	30	30	1.83	0.2
	1.2	212	1200	30	40	1.83	0.1
	0.9	247	1500	50	30	1.83	0.1
	0.78	304	1800	60	30	1.83	0.1
	0.58	340	2400	60	40	1.83	0.1
	0.47	405	3000	60	50	1.83	0.1
30/40	4.7	88	300	10	30	3.49	0.8
30/50	3.5	107	400	10	40	4.84	1.2
	2.8	123	500	10	50	4.84	1.0
	2.3	159	600	20	30	4.84	0.9
	1.9	185	750	25	30	4.84	0.8
	1.6	212	900	30	30	4.84	0.7
30/63	1.6	200	900	15	60	6.27	1.0
	1.2	263	1200	30	40	6.27	0.9
	0.93	305	1500	30	50	6.27	0.7
40/75	0.9	359	1500	50	30	7.38	1.1
	0.78	404	1800	60	30	7.38	1.0
	0.58	496	2400	60	40	7.38	0.7
40/90	0.5	608	3000	60	50	8.18	0.9
	0.35	548	4000	50	80	8.18	0.8
0.12kw							
30/50	4.7	118	300	10	30	4.84	1.2
	3.5	142	400	10	40	4.84	0.9
	2.8	164	500	10	50	4.84	0.7
30/63	2.8	171	500	10	50	6.27	1.3
	2.3	208	600	15	40	6.27	1.1
	1.9	241	750	15	50	6.27	0.9

TAIGONG 泰工减速机
RV系列蜗轮蜗杆减速机
RV SERIES WORM GEAR SPEED REDUCER

组合机型 Model	输出转速 N_2(r/min)	输出转矩 M_2(N.m)	总传动比 i	高速级传动比 i1	低速级传动比 i2	输出轴径向力 kN	使用系数 f.s.
0.12kw							
40/75	1.6	324	900	30	30	7.38	1.2
	1.2	399	1200	30	40	7.38	0.9
40/90	0.78	546	1800	30	60	8.18	0.9
	0.58	695	2400	60	40	8.18	0.9
50/110	0.5	883	3000	60	50	10.32	1.2
	0.35	784	4000	50	80	10.32	1.0
	0.28	928	5000	50	100	10.32	0.8
0.18kw							
30/63	3.5	221	400	10	40	6.27	1.0
	2.8	257	500	10	50	6.27	0.8
40/75	2.3	362	600	20	30	7.38	1.1
	1.9	435	750	25	30	7.38	0.9
	1.6	487	900	30	30	7.38	0.8
40/90	1.2	629	1200	30	40	8.18	1.0
	0.93	735	1500	30	50	8.18	0.8
50/110	0.8	860	1800	60	30	10.32	1.5
	0.58	1113	2400	60	40	10.32	1.1
0.25kw							
30/63	3.5	159	400	10	40	6.27	1.4
	2.8	185	500	10	50	6.27	1.2
40/75	3.5	336	400	10	40	7.38	1.1
	2.8	384	500	10	50	7.38	0.8
40/90	2.3	511	600	15	40	8.18	1.2
	1.9	598	750	15	50	8.18	0.9
	1.6	667	900	15	60	8.18	0.8
50/110	1.2	943	1200	30	40	10.32	1.3
	0.93	1064	1500	50	30	10.32	1.2
	0.78	1195	1800	60	30	10.32	1.1
63/130	0.6	1624	2400	60	40	13.5	1.0
	0.47	1935	3000	60	50	13.5	0.8
	0.35	2046	4000	50	80	13.5	0.6
	0.28	2430	5000	50	100	13.5	0.5
63/150	0.8	1199	1800	60	30	18	1.8
	0.8	1199	1800	60	30	18	1.8
	0.6	1446	2400	60	40	18	1.8
	0.5	1713	3000	60	50	18	1.4
	0.4	2026	4000	50	80	18	0.9
	0.3	2251	5000	50	100	18	0.7
0.37kw							
40/175	4.7	405	300	10	30	7.38	1.0
	3.5	498	400	10	40	7.38	0.7
40/90	4.7	401	300	7.5	40	8.18	1.5
	3.5	523	400	10	40	8.18	1.2
	2.8	611	500	10	50	8.18	0.9
	2.3	757	600	15	40	8.18	0.8
50/110	1.9	949	750	25	30	10.32	1.3
	1.6	1079	900	30	30	10.32	1.2
	1.2	1396	1200	30	40	10.32	0.8
63/130	0.9	1674	1500	50	30	13.5	1.1

组合机型 Model	输出转速 N_2(r/min)	输出转矩 M_2(N.m)	总传动比 i	高速级传动比 i1	低速级传动比 i2	输出轴径向力 kN	使用系数 f.s.
0.37kw							
63/130	0.78	1887	1800	60	30	13.5	0.9
63/150	0.78	1774	1800	60	30	18	1.2
	0.6	2141	2400	60	40	18	1.2
	0.5	2535	3000	60	50	18	0.9
0.55kw							
50/110	4.7	638	300	10	30	10.32	2.0
	3.5	826	400	10	40	10.32	1.4
	2.8	984	500	10	50	10.32	1.1
	2.3	1181	600	15	40	10.32	1.0
	1.9	1411	750	25	30	10.32	0.9
63/130	2.8	995	500	10	50	13.5	1.6
	1.9	1471	750	25	30	13.5	1.2
	1.2	2132	1200	30	40	13.5	0.8
63/150	0.78	2637	1800	60	30	18	0.8
	0.6	3182	2400	60	40	18	0.8
0.75kw							
50/110	4.7	871	300	10	30	10.32	1.5
	3.5	1126	400	10	40	10.32	1.1
63/130	2.8	1357	500	10	50	13.5	1.1
	2.3	1631	600	15	40	13.5	1.0
	1.9	2005	750	25	30	13.5	0.9
	1.6	2283	900	30	30	13.5	0.8
63/150	2.8	1290	500	10	50	18	1.8
	2.3	1529	600	15	40	18	1.7
	1.9	1783	750	25	30	18	1.3
	1.6	2215	900	30	30	18	0.9
	1.2	2680	1200	30	40	18	1.0
1.1kw							
63/130	4.7	1312	300	10	30	13.5	1.3
	3.5	1671	400	10	40	13.5	1.0
	2.8	1991	150	10	50	13.5	0.8
63/150	9.3	752	150	10	15	18	3.1
	7.0	966	200	10	20	18	2.4
	5.6	1175	250	10	25	18	1.7
	4.7	1364	300	10	30	18	1.7
	3.5	1619	400	10	40	18	1.6
	2.8	1893	500	10	50	18	1.2
	2.3	2242	600	15	40	18	1.2
	1.9	2616	750	25	30	18	0.9
1.5kw							
63/130	4.7	1789	300	10	30	13.5	1.0
	3.5	2279	400	10	40	13.5	0.7
63/150	9.3	1026	150	10	15	18	2.3
	7	1317	200	10	20	18	1.8
	5.6	1602	250	10	25	18	1.3
	4.7	1860	300	10	30	18	1.3
	3.5	2208	400	10	40	18	1.2
	2.8	2582	500	10	50	18	0.9
	2.3	3057	600	15	40	18	0.9

双级减速机(轴伸输入，输入转速1400r/min)

Double step reducer(shaft extend input, input speed is 1400r/min)

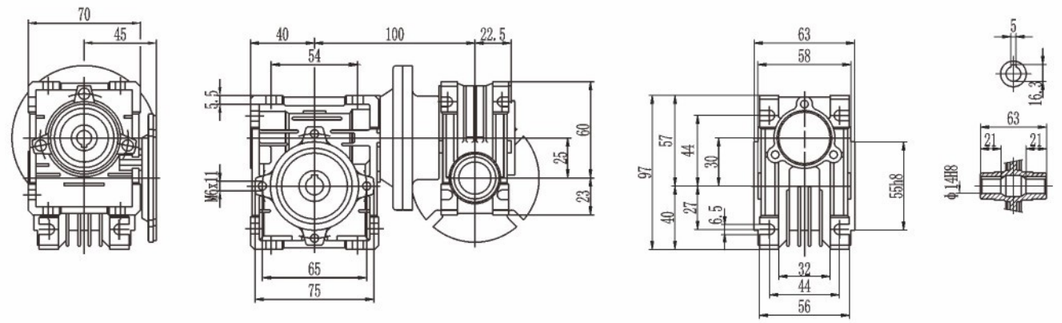
机型代号 Model	输入轴功率 kw	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	输出轴径向力 kN
30/40	0.1	4.7	73	300	3.49	0.21
	0.1	3.5	65	400	3.49	0.21
	0.08	2.8	61	500	3.49	0.21
	0.06	2.3	73	600	3.49	0.21
	0.04	1.9	73	750	3.49	0.21
	0.03	0.6	73	900	3.49	0.21
	0.02	1.2	65	1200	3.49	0.21
	0.02	0.9	73	1500	3.49	0.21
	0.02	0.8	73	1800	3.49	0.21
	0.01	0.58	65	2400	3.49	0.21
	0.01	0.4	65	3200	3.49	0.21
	0.01	0.35	33	4000	3.49	0.21
	0.01	0.28	29	5000	3.49	0.21
30/50	0.15	4.7	145	300	4.84	0.21
	0.1	3.5	124	400	4.84	0.21
	0.1	2.8	120	500	4.84	0.21
	0.1	2.3	145	600	4.84	0.21
	0.1	1.9	145	750	4.84	0.21
	0.1	1.6	145	900	4.84	0.21
	0.08	1.2	124	1200	4.84	0.21
	0.06	0.93	145	1500	4.84	0.21
	0.04	0.78	145	1800	4.84	0.21
	0.03	0.6	124	2400	4.84	0.21
	0.02	0.5	120	3000	4.84	0.21
	0.02	0.35	82	4000	4.84	0.21
	0.02	0.29	82	4800	4.84	0.21
30/63	0.24	4.7	230	300	6.27	0.21
	0.2	3.5	230	400	6.27	0.21
	0.2	2.8	216	500	6.27	0.21
	0.13	2.3	230	600	6.27	0.21
	0.11	1.9	216	750	6.27	0.21
	0.1	1.6	198	900	6.27	0.21
	0.1	1.2	230	1200	6.27	0.21
	0.1	0.93	216	1500	6.27	0.21
	0.1	0.78	198	1800	6.27	0.21
	0.1	0.58	230	2400	6.27	0.21
	0.08	0.47	216	3000	6.27	0.21
	0.06	0.35	172	4000	6.27	0.21
	0.04	0.28	150	5000	6.27	0.21
40/75	0.4	4.7	390	300	7.38	0.35
	0.3	3.5	360	400	7.38	0.35
	0.21	2.8	320	500	7.38	0.35
	0.2	2.3	390	600	7.38	0.35
	0.2	1.9	390	750	7.38	0.35
	0.14	1.6	390	900	7.38	0.35
	0.11	1.2	360	1200	7.38	0.35
	0.1	0.93	390	1500	7.38	0.35
	0.1	0.78	390	1800	7.38	0.35
	0.1	0.58	360	2400	7.38	0.35
	0.1	0.47	320	3000	7.38	0.35
	0.08	0.35	250	4000	7.38	0.35
	0.06	0.28	230	5000	7.38	0.35

机型代号 Model	输入轴功率 kw	输出转速 N2 (r/min)	输出转矩 M2 (N.m)	传动比 i	输出轴径向力 kN	输出轴径向力 kN
40/90	0.6	4.7	610	300	8.18	0.35
	0.43	3.5	610	400	8.18	0.35
	0.34	2.8	560	500	8.18	0.35
	0.3	2.3	610	600	8.18	0.35
	0.23	1.9	560	750	8.18	0.35
	0.2	1.6	505	900	8.18	0.35
	0.3	1.2	610	1200	8.18	0.35
	0.14	0.93	560	1500	8.18	0.35
	0.11	0.78	505	1800	8.18	0.35
	0.11	0.58	610	2400	8.18	0.35
	0.1	0.47	560	3000	8.18	0.35
	0.1	0.35	460	4000	8.18	0.35
	0.1	0.28	410	5000	8.18	0.35
50/110	1.1	4.7	1265	300	10.32	0.49
	0.8	3.5	1185	400	10.32	0.49
	0.61	2.8	1100	500	10.32	0.49
	0.6	2.3	1185	600	10.32	0.49
	0.5	1.9	1265	750	10.32	0.49
	0.43	1.6	1265	900	10.32	0.49
	0.31	1.2	1186	1200	10.32	0.49
	0.3	0.93	1265	1500	10.32	0.49
	0.3	0.78	1265	1800	10.32	0.49
	0.2	0.58	1185	2400	10.32	0.49
	0.15	0.47	1100	3000	10.32	0.49
	0.13	0.35	819	4000	10.32	0.49
	0.1	0.28	746	5000	10.32	0.49
63/130	0.8	2.3	1650	600	13.5	0.7
	0.7	1.9	1760	750	13.5	0.7
	0.6	1.6	1760	900	13.5	0.7
	0.4	1.2	1650	1200	13.5	0.7
	0.4	0.93	1760	1500	13.5	0.7
	0.4	0.93	1760	1500	13.5	0.7
	0.3	0.78	1760	1800	13.5	0.7
	0.3	0.58	1650	2400	13.5	0.7
	0.2	0.47	1550	3000	13.5	0.7
	0.1	0.35	1220	4000	13.5	0.7
	0.1	0.28	1100	5000	13.5	0.7
63/150	3.4	9.3	2340	150	18	0.7
	2.7	7.0	2340	200	18	0.7
	1.9	5.6	2050	250	18	0.7
	1.9	4.7	2340	300	18	0.7
	1.8	3.5	2670	400	18	0.7
	1.4	2.8	2330	500	18	0.7
	1.3	2.3	2670	600	18	0.7
	1.0	1.9	2330	750	18	0.7
	0.7	1.6	2100	900	18	0.7
	0.7	1.2	2670	1200	18	0.7
	0.4	0.8	2100	1800	18	0.7
	0.5	0.6	2670	2400	18	0.7
	0.3	0.5	2330	3000	18	0.7
	0.2	0.4	1880	4000	18	0.7
	0.2	0.3	1650	5000	18	0.7

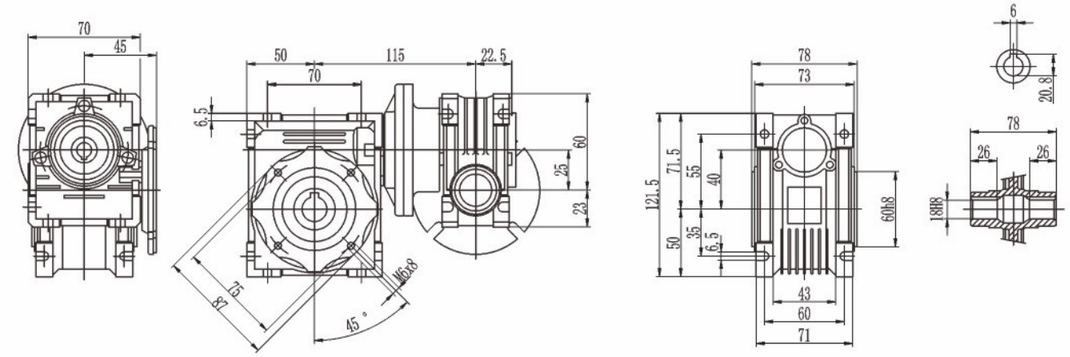
TAIGONG 泰工减速机
RV系列蜗轮蜗杆减速机
RV SERIES WORM GEAR SPEED REDUCER

NMRV-NMRV外型尺寸 Dimensions

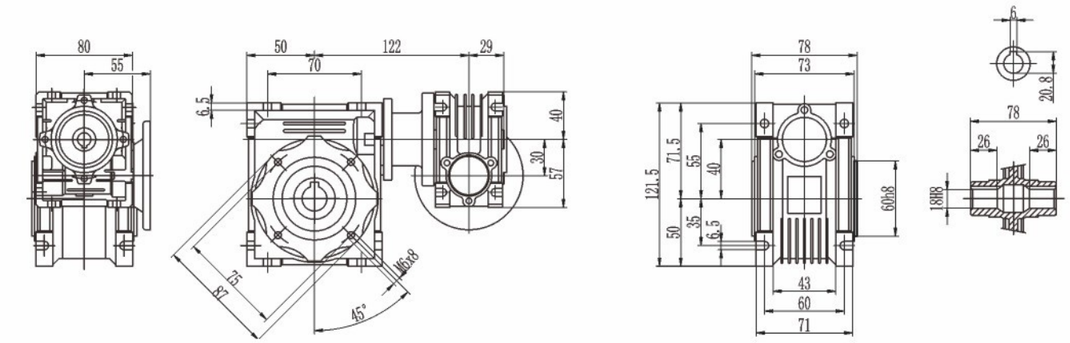
NMRV025-NMRV030



NMRV025-NMRV040

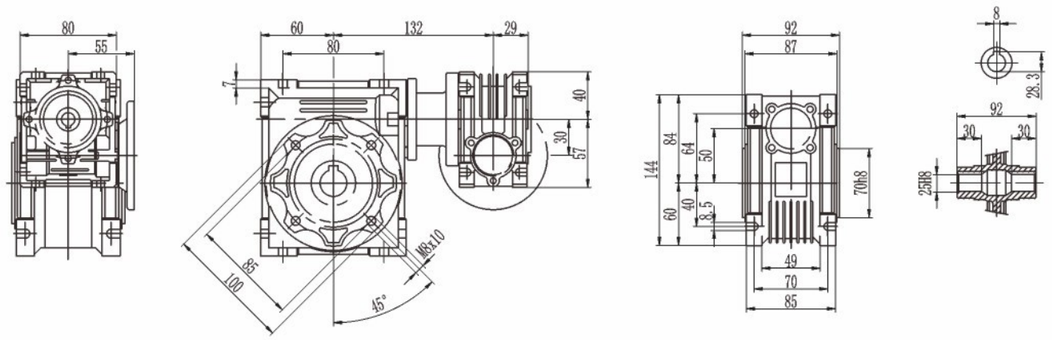


NMRV030-NMRV040

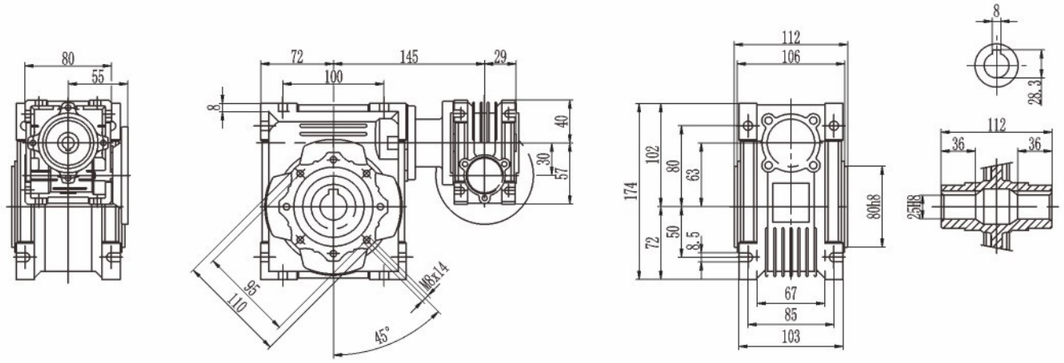


NMRV-NMRV外型尺寸 Dimensions

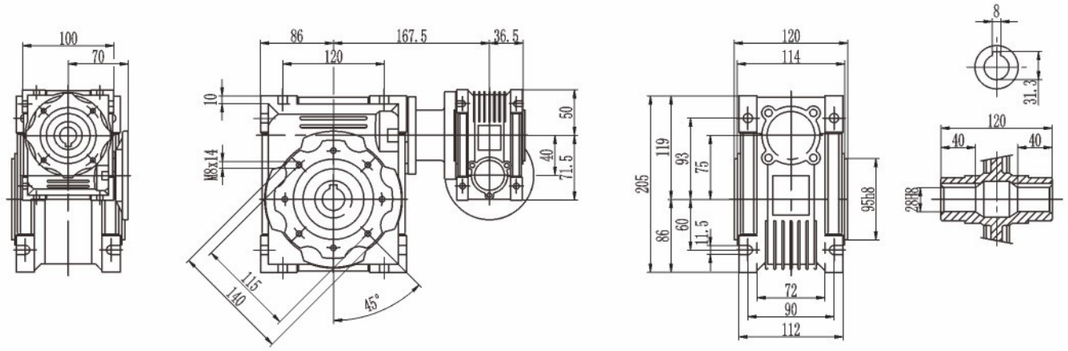
NMRV030-NMRV050



NMRV030-NMRV063

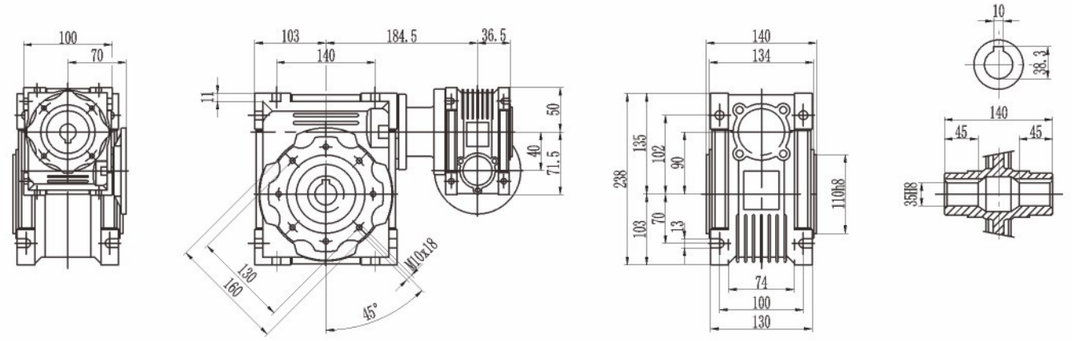


NMRV040-NMRV075

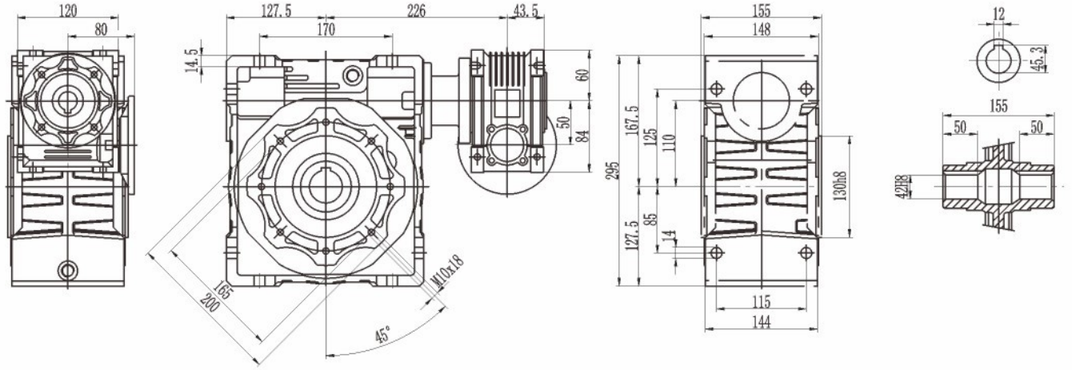


NMRV-NMRV外型尺寸 Dimensions

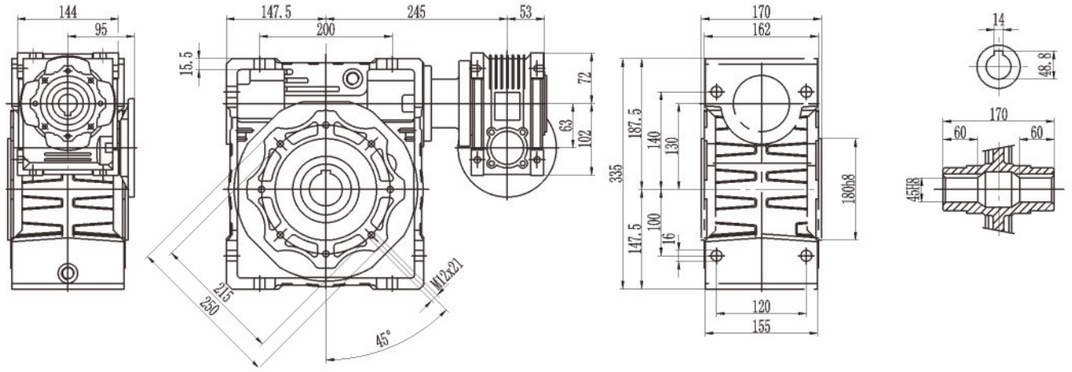
NMRV040-NMRV090



NMRV050-NMRV110

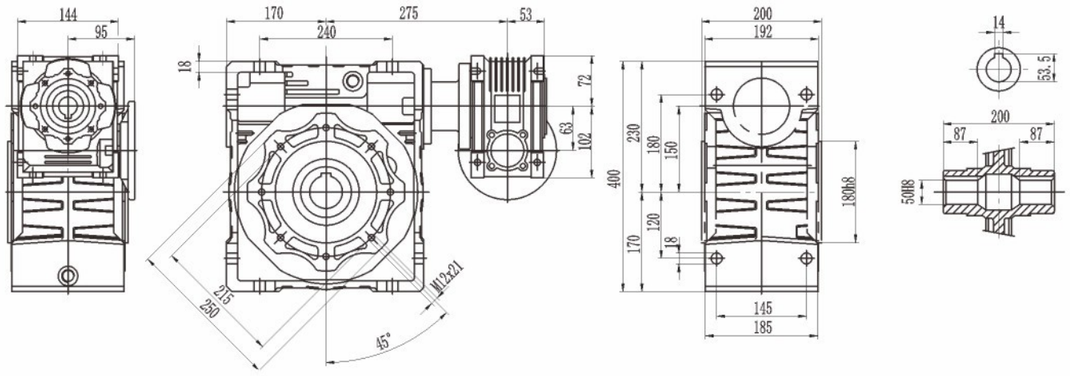


NMRV063-NMRV130

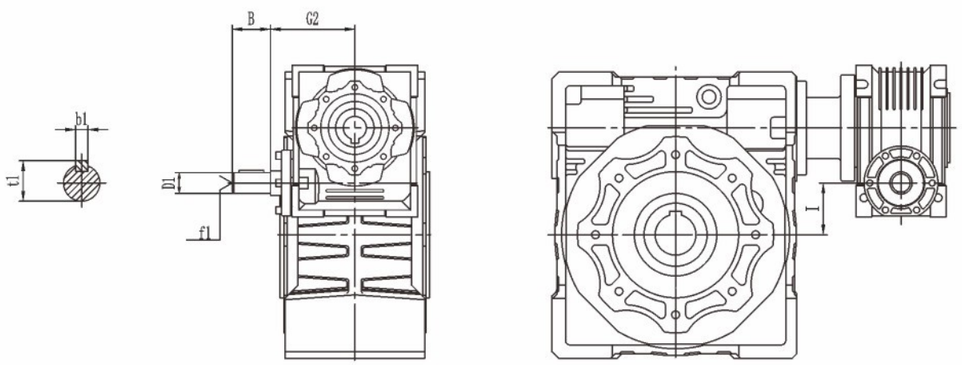


NMRV-NMRV外型尺寸 Dimensions

NMRV063-NMRV150



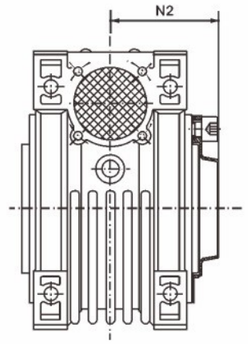
NRV-NMRV外型尺寸 Dimensions



NRV-NMRV	025-030	025-040	030-040	030-050	030-063	040-075	040-090	050-110	063-130	063-150
B	20	20	20	20	20	23	23	30	40	40
D1	9 j6	9 j6	9 j6	9 j6	9 j6	11 j6	11 j6	14 j6	19 j6	19 j6
G2	42	42	51	51	51	60	60	74	90	90
I	5	15	10	20	33	35	50	60	67	87
b1	3	3	3	3	3	4	4	5	6	6
f1	–	–	–	–	–	–	–	M6	M6	M6
t1	10.2	10.2	10.2	10.2	10.2	12.5	12.5	16	21.5	21.5

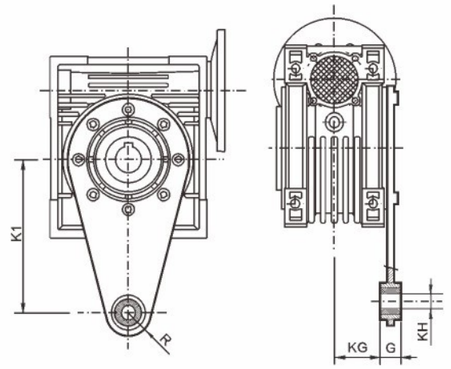
附件
Accessories

防护罩 Protective cover



	N2
030	42
040	50
050	58
063	69
075	74
090	86
110	94
130	102
150	117

扭力臂尺寸 Size of torque arm



	K1	R	KG	G	KH
025	70	15	17.5	14	8
030	85	15	24	14	8
040	100	18	31.5	14	10
050	100	18	38.5	14	10
063	150	18	49	14	10
075	200	30	47.5	25	20
090	200	30	57.5	25	20
110	250	35	62	30	25
130	250	35	69	30	25
150	250	35	84	30	25

润滑油注油量(L) Adding capacity of lubrication oil

规格 Type / 安装型式 Installation	025	030	040	050	063	075	090	110	130	150
B3	0.02	0.04	0.08	0.15	0.3	0.55	1	3	4.5	7
B6 B7								2.5	3.5	5.4
B8								2.2	3.3	5.1
V5								3	4.5	7
V6								2.2	3.3	5.1

使用说明
Operating Instructions

1.单级蜗杆减速机

1.1 减速机型号25-90采用优质铝合金压铸箱体，外形轻巧美观,结构紧凑,体积小，重量轻，节省安装空间，不易锈蚀。

1.2 减速机型号110-150采用灰铸铁铝模铸造，外型美观坚固，可多方位安装使用。

1.3 散热性能好，安全可靠，效率高。

1.4 承载能力高，传动平稳，振动小，噪音低。

1.5 具有动力输入及转矩输出的多种联接结构，满足多种联接需要;箱体外形设计及底脚孔设置布局适应多种安装方式，通用性强。

2.双级蜗杆减速机

2.1 由单级蜗杆减速机组合而成，具有单级蜗杆减速机的一切优点，和获得大的传动比。

2.2 常用双级组合机型为: 25/30、25/40、30/40、30/50、30/63、40/75、40/90、50/110、63/130、63/150，用户若有殊要求时,可根据实际需要选择25、30、40、50、63、75、90、110、130、150作为组合单元另行组合。

3.安装注意事项

3.1 减速机须安装在平整坚固的底座上，底脚螺栓必须紧固、防震。

3.2 原动机--减速机--工作机的各联接轴伸，去装后必须互相准确对准轴线。

3.3 减速机输入端及输出端轴伸外径尺寸公差按h6制作，与之相匹配的联轴器、皮带轮、链轮等传动件内孔需按合适公差尺寸配置，避免装配过紧损坏轴承，装配过松影响正常的动力传递。

3.4 链轮、齿轮等传动件装上轴伸时，应尽量靠近轴承，以减少轴伸弯曲应力。

3.5 减速机装配电机时，应在蜗杆头部内孔孔壁及键槽处涂抹黄油，避免装配过紧，防止轴孔日久生锈。

3.6 使用各类电机直联型减速机时，若电机重量偏大，应设支撑装置。

4.使用注意事项

4.1 使用前应注意栓查减速机型式结构、中心距规格、传动比、输入轴连接方式、输出轴结构、输入轴输出轴轴指向和回转方向等是否符合使用要求,蜗杆输入转速不宜超过1500r/min。

4.2 开机时应逐步施加载荷,不能满载起动。

4.3 型号25-90减速机设有加油孔和放油孔，出厂时减速机内已加好ISO Vg320 润滑油，用户无需再加油,机器连续运转的500小时后, 应该更换润滑油。以后换油周期为6000小时。

4.4 型号110-150减速机设有加油孔、放油孔和油标，减速机内已加好IS0 VG460矿物润滑油，用户在使用前须拉掉通气器上橡胶环。首次运行400小时后换注新油，以后每隔约4000小时换油一次。

4.5 减速机允许最高油温为85℃，超过时应停机检查。

4.6 若减速机在使用前已放置时间超过4-6个月，而油封又未浸入润滑油中，推荐更换油封。

4.7 若减速机使用环境温度超出或低于表中规定使用环境温度5℃以上，请与我公司人员联系。

TAIGONG 泰工减速机
RV系列蜗轮蜗杆减速机
RV SERIES WORM GEAR SPEED REDUCER

故障分析
Malfunctions Analysis

故障情况 Fault Description	故障原因 Reasons	解决办法 Solutions
过热 Overheating	原动力、减速机、工作机连接不当 Improper connection among prime morer, reducer and the operation device	调整至适当位置，使三者相联轴线同轴 Adjust to proper position
	超负荷运转 Overloading	适当调整负荷 Adjust to proper load
	油封过度磨擦 Over Friction of oil seals	在油封唇口处滴润滑油 Drop lubricant at oil seal
	☆润滑油过少或过多 ☆Lubricant oil over much or shortage	按注油方式或调整油量 Adjust to proper oil quantity as lubricant capacity table
	☆润滑油杂质多或润滑性差 ☆Much impurity in oil or inlerior oil	按润滑油选用表更换合适新油 Refill proper oil
振动 Vibration	原动力、减速机、工作机固定不良 Prime mover, reducer and the operation device mount badly	查出不良固定部件，正确固紧 Find out the bad place, tighten it
	蜗轮副齿部磨耗或损伤 Tooth surface of worm gear sets worm-out or damaged	更换蜗轮副 (需要时本公司配合) Replace worm gear sets(we will cooperate with you when necessary)
	轴承磨损 Bearing worn-out	更换轴承 Replace Bearing
	螺栓松脱 Bolt loose	固紧螺栓 Tighten Screw
杂音 Noise	原动机与减速机连接不当 Improper connection among prime mover, reducer and the operation device	原动机重新调整连接 Adjust to proer position
	辅承损伤或间隙过大 Bearing damaged or too large clearance	更换轴承 Replace Bearing
	蜗轮副齿合不良 Worm gear sets mesh badly	修整齿面或更换蜗轮副(请与本公司联系) Mend tooth surface or replace worm gear sets (please contact to us)
	☆润滑油不足 ☆Lubricant oil shortage	按注油方式或补加润滑油 Fill in adequate oil as lubricant capacity table
漏油 Oilleakage	油封唇口磨损 Oil seal lip worm-out	更换油封 Replace oil seal
	油封档轴颈磨损 Shalt of oil seal area worn-out	更换输入轴或带轮轴蜗轮 Replace input or output shall with worm gear
	放油螺塞未旋紧 Oil screw plug loose	螺纹处加密封胶，旋紧螺塞 Tighten oil screw plug
	油标破损 Oil gauge damaged	更换油标 Replace oil gauge
蜗轮副齿面磨损过快 Tooth surface of worm gear sets abrade extra-quickly	超负荷运转 Overload	调整至适当负荷 Adjust to proper loading
	☆润滑油不符合要求 ☆Lubricant oil not according with requirement	更换合适的润滑油 Replace proper lubricant oil
	☆润滑油不足 ☆Lubricant oil shortage	按油标指示点加足润滑油 Fill adequate oil as indication
	未按规定适时换油，润滑油劣化 Not replacing lubricant oilin time according to requiremen, oil deteriorates	按规定要求适时更换润滑油 Replacing oil in time according to require ment
	运转温度过高 Overheating while running	1.按“过热”故障处理 2.采取合适措施，降低周边环境温度 1.Deal with it as"Overheating" 2.Adopting proper measures to make environment temperature fall

注: 1.☆为换油后出现的故障原因。
2.如果发生其他故障无法解决时，请随时与我们联系，以便提供咨询服务。
Annotate:1.☆Accored after the lu bricant changed.
2.If other faults not listed above occur,Please contact with us at any moment，Our company will supply thorough consultation and service.

03

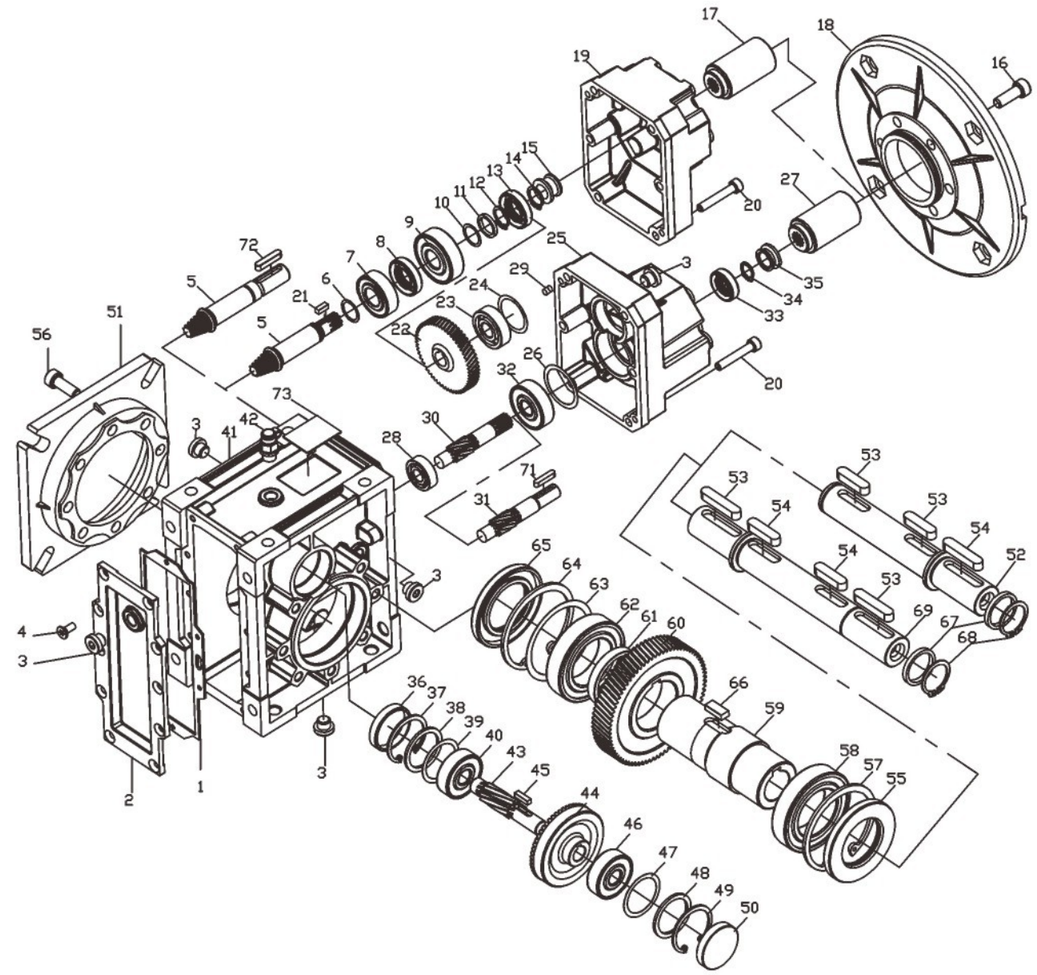
TAIGONG 泰工减速机

KM SERIES HELICAL-HYPOID GEAR UNITS

KM系列斜齿-准双曲面齿轮减速器

15年生产经验 **10**万+企业共同的选择

结构分解图 / STRUCTURE DIAGRAM



1	橡胶垫 / Rubber gasket	38	垫圈 / Washer
2	齿轮箱盖板 / Gearcase cover	39	调整垫片 / shim ring
3	油塞 / Oil plug	40	轴承 / Bearing
4	内六角沉头螺钉 / Hexagon sunk screw	41	齿轮箱体 / Gearcase
5	主动齿轮轴 / Pinion shaft	42	透气阀 / Breather valve
6	调整垫片 / shim ring	43	主动齿轮轴 / Pinion shaft
7	轴承 / Bearing	44	从动齿轮 / Gear
8	油封 / Oil seal	45	键 / Key
9	轴承 / Bearing	46	轴承 / Bearing
10	调整垫片 / shim ring	47	调整垫片 / shim ring
11	垫圈 / Washer	48	垫圈 / Washer
12	轴用挡圈 / Shaft–circlip	49	孔用挡圈 / Hole–circlip
13	油封 / Oil seal	50	油封盖 / Closing cap
14	轴用挡圈 / Shaft–circlip	51	输出法兰 / Output flange
15	橡胶套 / Rubber boot	52	单向输出轴 / Single output shaft
16	内六角螺钉 / Inner hex screw	53	键 / Key
17	输入轴 / Input shaft	54	键 / Key
18	输入法兰 / Input flange	55	油封 / Oil seal
19	两极输入箱盖 / 2 stage input box cover	56	内六角螺钉 / Inner hex screw
20	内六角螺钉 / Inner hex screw	57	孔用挡圈 / Hole–circlip
21	键 / Key	58	轴承 / Bearing
22	从动齿轮 / Gear	59	输出轴 / Hollow shaft
23	轴承 / Bearing	60	从动齿轮 / Gear
24	调整垫片 / shim ring	61	垫圈 / Washer
25	三极输入箱盖 / 3 stage input box cover	62	轴承 / Bearing
26	调整垫片 / shim ring	63	调整垫片 / shim ring
27	输入轴 / Input shaft	64	孔用挡圈 / Hole–circlip
28	轴承 / Bearing	65	油封 / Oil seal
29	圆柱销 / Stifte	66	键 / Key
30	主动齿轮 / Pinion	67	垫圈 / Washer
31	主动齿轮轴 / Pinion shaft	68	轴用挡圈 / Shaft–circlip
32	轴承 / Bearing	69	输出双向轴 / Double output shaft
33	油封 / Oil seal	70	平面密封胶 / Planar sealant
34	轴用挡圈 / Shaft–circlip	71	键 / Key
35	橡胶套 / Rubber boot	72	键 / Key
36	油封盖 / Closing cap	73	铭牌 / Nameplate
37	孔用挡圈 / Hole–circlip		

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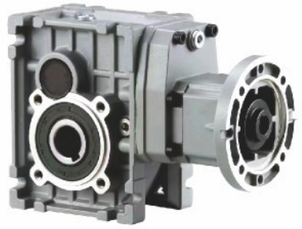
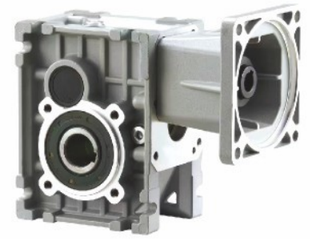
KM系列斜齿-准双曲面齿轮减速器
KM SERIES HELICAL-HYPOID GEAR UNITS





产品概述 / Summarize

KM系列高效型准双曲面齿轮减速机是我公司新一代实用性产品，融合了国内外先进技术，在保证安装尺寸与NMRV系列蜗轮蜗杆减速机兼容的前提下，通过借鉴SEW齿轮减速机结构采用全齿轮副传动，提高了传动效率，解决了当前蜗轮蜗杆减速机传动效率低，使用寿命短等问题，在工业发展中更起到了节能降耗，绿色环保的作用。

KM series high efficiency type hypoid gear speed reducer is a new generation of practical products, combined with the domestic and foreign advanced technology, in ensure the installation size compatible with NMRV series worm gear and worm reducer under the premise of through using the SEW gear speed reducer adopts full gear transmission structure, improve the transmission efficiency, solved the worm gear and worm reducer transmission efficiency is low, Short service life and other problems, in the industrial development has played a more energy saving, green environmental protection role.

结构特点 / Products characteristics

1、采用准双曲面齿轮传动，传动比大；
2、输出扭矩大，传动效率高，节能环保；
3、优质铝合金铸造，重量轻，不生锈；
4、传动平衡，噪音小，适合在恶劣环境中长期连续工作；
5、美观耐用，体积小；
6、可适应全方位安装，应用广泛，使用方便；
7、KM系列减速机安装尺寸与NMRV系列蜗轮蜗杆减速机完全兼容（KM050与NMRV050部分尺寸不同）；
8、模块化组合，可多种形式组合，满足各种传动条件的需求。

1. Driven by hypoid gear, has big ratios.
2. Large in output torpue, high efficiency, energy saving and environmental protection.
3. Made of high-quqlity aluminum ally, light in weight and non-rusting.
4. Smooth in running and low in nosie, can work long time in dreadful conditions.
5. Good-looking in appearance, durable in service life and small in volume.
6. Suitable for all round installation, wide application and easy of use.
7. The mounting dimension of KM series are compatible with NMRV series worm gear unit(A part of NMRV 050 dimensions are different from KM050).
8. Modular and multi-structure can meet the demands of various conditions.

优势对比 / Comparative advantage

1、高效节能、绿色环保 / High sfficiency & energy-saving

准双曲面齿轮的啮合摩擦小，传动效率高达90%以上，与蜗轮蜗杆减速机相比效率提高10%–40%。

The hypoid gear has low friction, effciency is as high as 90%, compared with the worm gearbox, the efficiency improved about 10%–10%.

型号 Type	传动比 Ratios [i]	输入转速 Input speed [n1]	效率 Efficiency [η]
KM075	30.24	1400	90%
NMRV 075	30	1400	60%

2、强度高、寿命长 / High strength & long life

准双曲面齿轮采用优质合金材料，经表面硬化处理，采用高精度磨齿机加工成形，属硬齿面齿轮，输出据矩大，齿轮强度与寿命远远高于蜗轮蜗杆减速机。

The hypoid gear made of high quality alloy, treated by surface hardening, and produced by high-precision grinding machine, the output torque gaer strength and life are much better than worm gearbox.

主要材料 / Main materials

1、外壳：铝合金（机座：050–090）；灰铸铁（机座：110）；
2、齿轮：20CrMnTi，碳氮共渗，齿面硬度58–62HRC，精磨后保持渗碳层厚度0.3–0.6mm。

1. Housing: die–cast aluminum alloy (frame size:050 to 090);
grey cast iron (frame size:110);
2.Gear wheel: 20CrMnTi, carbonization & nitriding treatment make the hardness of gear's surface up to 58–62HRC,retain carburized layer's thickness between 0.3–0.6mm after accurate grinding.

表面涂装 / Surface painting

铝合金外壳：
1、先抛丸处理，再经过特种防腐处理，保持银白金属感，并耐汽油，二甲苯等有机溶剂的腐蚀。
2、磷化处理后，再喷RAL7035银灰色涂料或RAL5010蓝色涂料。

Aluminum alloy housing:
1. Shot blasting and special antiseptic treatment on the aluminum alloy surface.
2. After phosphating, spray the paint RAL7035 in grey or RAL5010 in blue.

TAIGONG 泰工减速机
KM系列斜齿-准双曲面齿轮减速器
KM SERIES HELICAL-HYPOID GEAR UNITS

型号说明 / MODEL ILLUMINATE

减速机 / Gear unit　　电机 / Motor

KM 063 2 / 20.25 / FA1 / SS1 / B3 / 71B5-0.37-4P / BMG / 1 / X
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

NO	说　明	Comments
1	减速机系列代号：KM	Code for gear units series : KM
2	减速机系列代号：050、063、075、090、110	Specification code of gear units 050、063、075、090、110
3	1.2：表示2级传动 2.3：表示3级传动	1.2：Means 2 stages 2.3：Means 3 stages
	减速机速比i	Speed ratio of reducer i
4	1.无代号表示不带输出法兰 2.FA, FB, FC, FD ,FE(1/2):输出法兰代号和位置	1.No mark means without output flange 2.FA、FB、FC、FD、FE(1/2):output flange and position
6	1.无代号表示孔输出 2.SS（1/2）：单向输出轴和位置 3.DS:双向输出轴	1.No mark means hole output 2.SS(1/2):Single output shaft and position 3.DS:Double output shaft
7	安装方位代号	Installation position code
8	1.71B5：IEC输入法兰及规格代号 2.MS7124：紧凑型电机型号规格 3.71B5–0.37–4P:IEC输入法兰和电机功率、级数 4.56C:NEMA输入法兰及规格代号 5.ST80：伺服电机输入法兰规格代号 6.ST80–80ST–MO1330：伺服电机输入法兰和伺服电机型号 7.80STM–MO1330：紧凑型伺服电机型号规格 8.HS:表示轴输入	1.71B5:IEC input flange code 2.MS7124:Compact motor type 3.71B5–0.37–4P:IEC input flange code and model motors(poles of power) 4.56C:NEMA input flange code 5.ST80:Servo motor input flange code 6.ST80–80ST–MO1330: Servo motor input flange code and servo motor type 7.80STM–MO1330:Compact servo motor type 8.HS:means shaft input
9	1.无代号表示不带制动器 2.BMG: 制动器	1.No mark means without brake 2.BMG:brake
10	电机接线盒位置，默认位置1可以不写	Position of motor terminal box Default position 1 not to write out is ok
11	电机进线位置，默认位置X可以不写	Coil position for motor,default position X 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,othrewise reducers aren't supplied with motors.

示例Example：**KM0633/63.33/FA2/80B5**

选型相关参数 / RELEVANT PARAMETER

功率P / Power P

$P_1=\frac{P_2}{\eta}$ [kW]

P_1 输入功率 Input power
P_2 输出功率 Output power

$P_1>=P_1*K$ [kW]

P_{1n} 电机额定功率 Rated power driving motor

K 服务系数 Service factor
η 传动效率 Transmission efficiency

KM系列减速机的效率是根据传动级数确定，2级传动效率 η 为92%，3级传动效率 η 为90%。

The efficiency of KM gear units varies with the number of gear stages,which is 92% for 2-stage,90% for 3- stage.

转速 n / Rotation speed n

n_1 减速机输入转速 Gear units input speed
n_2 减速机输出转速 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

$i=\frac{n_1}{n_2}$ [kW]

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

$M_2=\frac{9550\cdot P_1\cdot \eta}{n_2}$ [Nm]

$M_{2n}>=M_2*K$ [Nm]

M_2 输出扭矩 Output torque
M_{2n} 选用输出扭矩 Selected Output torque
P_1 输入功率 Input power
η 传动效率 Transmission efficiency
K 服务系数 Service factor

服务系数 K / Service factor K

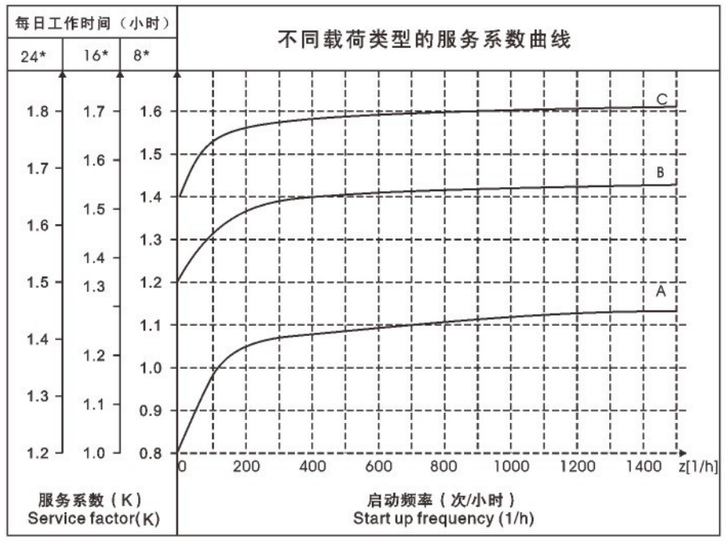
使用减速机时，应考虑一定的服务系数K,它是根据每天的运转时间和启停频率Z确定的。

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，按下图选取的服务系数必须小于或等于从性能参数表中提供的服务系数。

TAIGONG 泰工减速机
KM系列斜齿-准双曲面齿轮减速器
KM SERIES HELICAL-HYPOID GEAR UNITS

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

Three load ciassifications 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度变化时的次数。
- starting frepuency Z: The cycles include all starting and braking procedures as well as change overs from low to high speed .

负载类型 / Load classifcations

负载性质：
A.均匀冲击负载，允许惯性加速系数Fa≤0.2
B.中等冲击负载，允许惯性加速系数Fa≤3
C.重冲击负载，允许惯性加速系数Fa≤10

Type of load:
A.Uniform, permitted mass acceleration factor Fa≤0.2
B.Moderate shock load.permitted mass acceleration factor Fa≤3
C.Heavy shock load, permitted mass acceleration factor Fa≤10

轻负载的螺杆输送，风扇，装备线，输送带，小型搅拌器，电梯，清洗机器，过滤器，控制驱动。
卷扬机、木工机器进料器，货物起重机，平衡器，绞螺纹机器，中型搅拌机，重型输送带，绞盘，滑动闸门，刮料机，包装机械，混凝土搅拌机、行车驱动装置，铣床，齿轮泵。
大型搅拌器，剪床，压机，离心机,旋转支持装置，重型绞盘和起重机，磨床，石材打磨机，翻斗机，钻床，冲床，凸轴压机，揩床，机床转盘，翻桶装置，震荡装置，破碎机。

Screw feeders for light materials, fans, assembly lines, conveyor belts for light materials, small mixers. lifts, cleaning machines, fillers, control machines.
Winding devices woodworking machine feeders, goods lifts, balancers. Threading machines, medium mixers, conveyor belts for heavy materials winches, sliding doors, fertilize scrapers, packing machines, concrete mixers crane mechanisms, milling cutters folding machines, gear pumps.
Mixers for heavy materials, shears, presses, centrifuges, rotating supports, winches and lifts tor heavy materials, grinding lathes stone mills bucket elevators drilling machines hammer mills, cam presses, folding machines, turntables, tumbling barrels, vibrators shredders.

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^2）
Jm驱动电机的传动惯量(kgm^2)
如果惯性加速系数Fa>10，请与我们技术部联系。

The mass acceleration factor is calculated as follows：
Fa=Jc/Jm
Fa Mass acceleration factor
All external mass moments of inertia(kgm^2)
Jm Mass moment of inertia on the motor end(kgm^2)
If mass acceleration factors fa>10,please call our Technical service.

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

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

举例 / Example

惯性加速系数2.5(负载类型B)，运行时间14小时/天，（按16小时/天查图）和每小时200次起停，套图得服务系数K=1．48。根据性能参数表所选择的使用系数K≥1．48

Mass acceleration factor 2.5(load classification B), 14hours/day operating time (read off at 16h/d) and 200 cycles/hour result in a service factor K=1.48.
choose the service factor K≥1．48 according to the parameter sheet.

径向载荷和轴向载荷 / Overhung loads and axial forces

在决定影响径向载荷时，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.Varous 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	1.15	＜17齿 teeth
链轮 Chain sprockets	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

作用在电机和齿轮轴上的径向载荷按如下公式计算：
The overhung loads exerted on the motor or gear shaft is then calculated as follows:

$$Fr=\frac{M\cdot 2000\cdot fz}{d_0}\ [N]$$

Fr 作用在轴上的载荷[N] Resulting radial load [N]
M 作用在轴上的扭矩[Nm] Torque on the shafts [Nm]
d_0 安装在轴上传动件的平均直径[mm] Mean diameter of the mounted transmission element in [mm]
fz 传动附加系数 Transmission element factor

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许用径向载荷时根据轴承额定使用寿命L10h，来估算的(根据ISO0281)。对于特殊的运行条件，许用径向载荷时根据修正使用寿命Lna来确定。
The basis for determining the permitted radial loads is the computation of the rated service life L10h, of the bearings(according to ISO0281) For special operating conditions, the permitted radial loads can be determined with regard service life Lna.

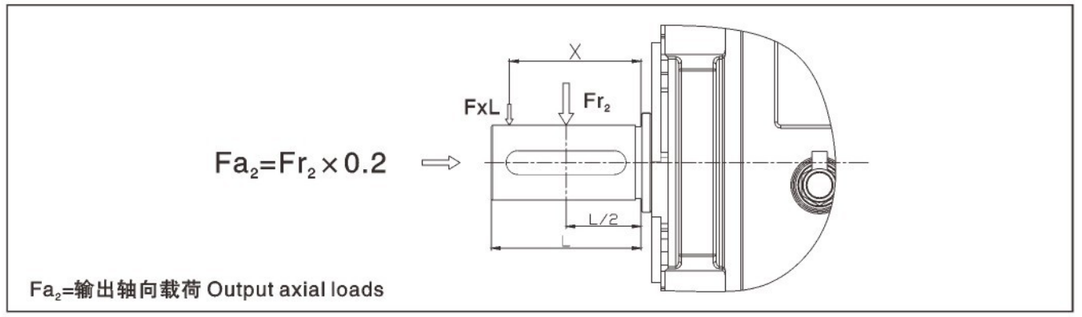
当作用点偏离出轴中点时，许用径向载荷须按以下公式来计算，取在X点的许可数值FxL(根据轴承的使用寿命)
The permitted radial leads given in the selection tables must be calculated using the following formula in the event of force application not in the center of the shaft end. The smaller of the two values F×L(according lo bearing service life)

根据轴承的使用寿命公式 / acclording to bearing setvice life:

$$FxL=Fr_{(1,2)}\cdot\frac{a}{b+x}\ [N]$$

Fr_1,Fr_2 =性能参数表中的许用径向载荷（x=L/2）[N]
Permitted overhung load（x=L/2）for footmounted gear units according to he selection tables in [N]
X=从轴肩到受力点的距离[mm] Distance from the shaft shoulder to the force application point in [mm]
a,b =减速机径向转化常量[mm] Gear unit constant for overhung load conversion [mm]

●输出轴径向载荷 / Output shafts radial loads

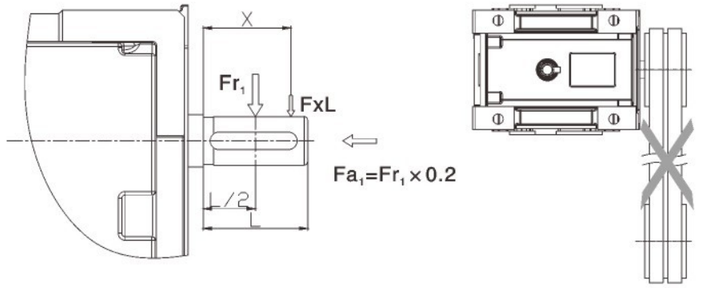


Fa_2=输出轴向载荷 Output axial loads

KM减速机径向转化常量 Gear unit constants for overhung load conversion:

	KM0502	KM0503	KM0632	KM0633	KM0752	KM0753	KM0902	KM0903	KM1102	KM1103
a	104	104	118	118	131	131	159	159	174	174
b	78	78	93	93	101	101	119	119	134	134

●输入轴径向载荷 / Input shafts radial loads



输入结构 Input structure
V带轮 Narrow V–belt pulleys
平带轮 Flat belt pulleys
齿带轮 Toothed belt pulleys

Fa_1=输入轴向载荷 Input axial loads

右示图的输入不被允许使用（包括三级输入）。
It is forbidden to use the input on the right chart (Including 3 stage input).

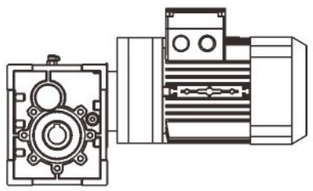
KM减速机径向转化常量 Gear unit constants for overhung load conversion:

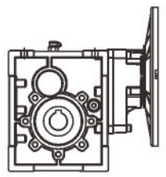
	KM0502	KM0503	KM0632	KM0633	KM0752	KM0753	KM0902	KM0903	KM1102	KM1103
a	51.5	56	90	56	73	70	81	70	101	87
b	40	44.5	43	44.5	53	55	61	55	76	67

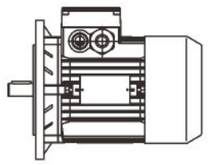
表示电机与减速机的组合是可行的 Combination with the motor in the header row is possible

表示电机与减速机的组合是不可行的 Combination with the motor in the header row is not possible

*	表示速比可除尽	*	Finite gear unit reduction ratio;
P_{1n}	电机额定功率 [kW];	P_{1n}	Rated power driving motor [kW];
n_2	输出转速 [r/min];	n_2	Output speed [r/min];
M_{2n}	输出扭矩 [Nm];	M_{2n}	Output torque`[Nm];
M_{2max}	最大允许输出扭矩 [Nm];	M_{2max}	Max.permissible output torque[Nm]
F_{r2}	输出轴径向载荷 [N];	F_{r2}	Permissible overhung load output side [N]
i	减速机公称传动比;	i	Gear unit nominal ratio;
i_a	减速机实际传动比;	ia	Gear unit actual ratio;
K	服务系数;	K	Service factor;


减速电机型号 Geared motor type


减速机型号 Gear unit type


电机型号 Motor type

●选型举例 / Selection example

减速电机 / Gear motor

例：被驱动设备所需要功率0.25kW，工作8小时/天，中等冲击，启动频率100次/小时，输出转速n_2=35r/min，减速机要求B3安装，则：

$$i=\frac{n_1}{n_2}=\frac{1400}{35}=40$$

查P8服务系数图表即可选服务系数K=1.3

$$P_{1n}\geqslant P_1\cdot K=\frac{P_2}{\eta}\cdot K=\frac{0.25}{0.94}\times 1.3=0.345[kw]$$

查 KM系列性能参数表可确定减速机型号为：

KM0502/40.09/71B5/0.37–4P/B3

Example: Required power0.25kW on driven machine, work for 8h/day, moderate shock load, start up frequency 100(1/h), n_2=35r/min, B3 mounted, So:

$$i=\frac{n_1}{n_2}=\frac{1400}{35}=40$$

Check the service factor table on page 8, choose K=1.3

$$P_{1n}\geqslant P_1\cdot K=\frac{P_2}{\eta}\cdot K=\frac{0.25}{0.94}\times 1.3=0.345[kw]$$

Choose type:

KM0502/40.09/71B5/0.37–4P/B3

减速机 / Gear units

例：被驱动设备所需扭矩为200Nm，工作8小时，均匀冲击负载，启动频率400次/小时，减速机要求FA1法兰安装，减速机要求输入转速n_1=900r/min，输出转速n_2=6r/min，查性能参数表可知，只选能三级传动形式。

查P8服务系数表即可选服务系数fs=1

Example: Required torque 200Nm on driven machine, work for 8h/day, uniform load, Start up frequency 400(1/h) FA1 mounted, n_1=900r/min, n_2=6r/min, so the only selection is 3 stage after checked the table:

Check the service factor table on page 8, choose K=1

$$i=\frac{n_1}{n_2}=\frac{900}{6}=150$$

$$M_{2N}\geqslant M_2\cdot K=200\times 1.05=210[Nm]$$

$$P_{1n}\geqslant P_1\cdot K=\frac{M_2\cdot n_1}{9550\cdot\eta\cdot i}\cdot K=\frac{210\times 900}{9550\times 0.92\times 150}\times 1.05=0.151[Kw]$$

查 KM系列性能参数表可确定减速型号为：

KM0753/151.20/FA1

Choose type:

KM0753/151.20/FA1

●选型举例分析 / Selection example analysis

例：某大型企业新增一条生产流水线，需采购40台减速电机，要求减速机输出功率0.8kW，n_1=1400r/min，均匀冲击负载，启动频率30次/小时，每天工作8小时，环境温度32℃，输出转速n_2=28r/min，则：
方案一，采购传统的蜗轮减速机：

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

查看NMRV 啮合参数表，估算i=50时，$\eta_d\approx0.68$
查看调整使用系数得fs=1.05×1.12=1.176

$$P_{1n}\geqslant\frac{P_2}{\eta_d}\cdot K=\frac{0.8}{0.68}\times1.176=1.384(kW)$$

输出出矩M_2计算：

$$M_2=9550\times\frac{P_2}{n_2}=9550\times\frac{0.8}{28}=272.86(Nm)$$

$$M_{2n}=379\geqslant M_2\cdot K=272.86\times1.176=320.88(Nm)$$

查NMRV 系列性能参数表可确定减速机型号为：
NMRV 110/50/1.5–4P
则生产线减速机年耗电最为(按22天/月计算)：
$P_{1n}\times8\times22\times12\times40=1.384\times8\times22\times12\times40$
$=116920.32(kW.h)$
按工业用电1.01元/kW.h计算，流水线一年的电费支出为：
116920.32 × 1.01=118089.52 元

Example ： A certain large enterprise added a production line,need to purchase 40 units of gear motors. Required the output power is 0.8kw, n_1=1400r/nin, uniform load, start up frequence 30(1/h), continuous runing for 8 hours, the ambient temperature is 32℃. n_2=28r/min. So The first scheme, purchase traditional worm gearbox

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

Check mash NMRV , estimate when the i=50. $\eta_d\approx0.68$
Check and adjust the service factor, will get
K=1.05×1.12=1.176

$$P_{1n}\geqslant\frac{P_2}{\eta_d}\cdot K=\frac{0.8}{0.68}\times1.176=1.384(kW)$$

count output torque

$$M_2=9550\times\frac{P_2}{n_2}=9550\times\frac{0.8}{28}=272.86(Nm)$$

$$M_{2n}=379\geqslant M_2\cdot K=272.86\times1.176=320.88(Nm)$$

Choose type：
NMRV 110/50/1.5–4P
The power consurrlption on the production line is（22days/per month）：
$P_{1n}\times8\times22\times12\times40=1.384\times8\times22\times12\times40$
$=116920.32(kW.h)$
The power price at 1.01 yuan/kw.h,so the electric cost is 118089.52 per year
116920.32 × 1.01=118089.52yuan

方案二，采购KM高效型准双曲面齿轮减速机：

$$P_{1n}\geqslant\frac{P_2}{\eta_d}\cdot K=\frac{0.8}{0.94}\times1.0=0.85(kW)$$

输出扭矩M_2计算：

$$M_2=9550\times\frac{P_2}{n_2}=9550\times\frac{0.8}{28}=272.86(Nm)$$

$$M_{2n}=340\geqslant M_2\cdot K=272.86\times1.0=272.86Nm)$$

查KM系列性能参数表可确定减速机型号为：
KM0752/48.18/90B5/90S4
则生产线减速机年耗电量为(按22天/月计算)：
$P_{1n}\times8\times22\times l\,2\times40=0.85\times8\times22\times12\times40$
$=71808(kW.h)$
按工业用电1.01元/kW.h计算，流水线一年的电费支出为：
71808 × 1.01=72526.08 元

The second scheme,
purchase KM high efficiency hypoid gear units：

$$P_{1n}\geqslant\frac{P_2}{\eta_d}\cdot K=\frac{0.8}{0.94}\times1.0=0.85(kW)$$

count output torque

$$M_2=9550\times\frac{P_2}{n_2}=9550\times\frac{0.8}{28}=272.86(Nm)$$

$$M_{2n}=340\geqslant M_2\cdot K=272.86\times1.0=272.86Nm)$$

The gearbox size can be fixed from the KM series character chart
KM0752/48.18/90B5/90S4
The power consumption on the production line is (22days/per month)
P1n × B × 22 × 12 × 40=0.85 × 8 × 22 × 12 × 40=71808（kw.h）
The power price at 1.01yuan/kw.h,so the electric cost is 72526.08 per year
71808 × 1.01=72526.08yuan

选择方案二可直接节省成本支出约4.6万元。

Choosing the second scheme can reduce the cost at 46000 yuan.

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KM SERIES HELICAL-HYPOID GEAR UNITS

减速机型号表 / GEAR UNIT SELECTION TABLES

KM 050.. n_1=1400r/min									130Nm
减速机型号 Gear units	i 公称 Nominal	i 实际 Actual	n_2 [r/min]	M_{2max} [Nm]	F_{r2} [N]	MS63	MS71	MS80	MS90
3级/Stage									
KM0503	300	291.79	4.8	130	4100				
KM0503	250	244.29	5.7	130	4100				
KM0503	200	200.44	7.0	130	4100				
KM0503	150	146.67	9.5	130	4000				
KM0503	125	120.34	11.6	130	3770				
KM0503	100	101.04	13.9	100	3560				
KM0503	75	74.62	18.8	80	3220				
KM0503	60	62.36	22	130	3030				
KM0503	50	52.36	27	100	2860				
2级/Stage									
KM0502	60	58.36	24	130	2960				
KM0502	50	48.86	29	130	2790				
KM0502	40	40.09	35	130	2610				
KM0502	30	29.33	48	130	2350				
KM0502	25	24.07	58	130	2200				
KM0502	20	20.21	69	100	2080				
KM0502	15	14.92	94	80	1880				
KM0502	12.5	12.47	112	130	1770				
KM0502	10	10.47	134	100	1670				
KM0502	7.5	7.73	181	80	1510				

减速机型号表 / GEAR UNIT SELECTION TABLES

KM 063.. n_1=1400r/min 200Nm

减速机型号 Gear units	i 公称 Nominal	i 实际 Actual	n_2 [r/min]	M_{2max} [Nm]	F_{r2} [N]	MS63	MS71	MS80	MS90
3级/Stage									
KM0633	300	302.50	4.6	200	4800				
KM0633	250	234.57	5.7	200	4800				
KM0633	200	196.43	7.1	180	4800				
KM0633	150	151.56	9.2	200	4650				
KM0633	125	122.22	11.5	180	4330				
KM0633	100	101.27	13.8	150	4070				
KM0633	75	73.33	19.1	110	3650				
KM0633	60	63.33	22	180	3480				
KM0633	50	52.48	27	150	3270				
2级/Stage									
KM0632	60	60.50	23	200	3430				
KM0632	50	48.71	29	200	3190				
KM0632	40	39.29	36	180	2970				
KM0632	30	30.31	46	200	2720				
KM0632	25	24.44	57	180	2530				
KM0632	20	20.25	69	150	2380				
KM0632	15	14.67	95	110	2130				
KM0632	12.5	12.67	110	180	2030				
KM0632	10	10.5	133	150	1910				
KM0632	7.5	7.60	184	110	1710				

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KM 075.. n_1=1400r/min 350Nm

减速机型号 Gear units	i 公称 Nominal	i 实际 Actual	n_2 [r/min]	M_{2max} [Nm]	F_{r2} [N]	MS63	MS71	MS80	MS90
3级/Stage									
KM0753	300	297.21	4.7	350	6500				
KM0753	250	240.89	5.8	350	6500				
KM0753	200	200.66	7.0	300	6500				
KM0753	150	151.20	9.3	350	6500				
KM0753	125	125.95	11.1	300	5980				
KM0753	100	99.22	14.1	240	5520				
KM0753	75	75.45	18.6	200	5040				
KM0753	60	62.43	22	300	4730				
KM0753	50	49.18	28	240	4370				
2级/Stage									
KM0752	60	59.44	24	350	4660				
KM0752	50	48.18	29	350	4340				
KM0752	40	40.13	35	300	4080				
KM0752	30	30.24	46	350	3720				
KM0752	25	25.19	56	300	3500				
KM0752	20	19.84	71	240	3230				
KM0752	15	15.09	93	200	2950				
KM0752	12.5	12.49	112	300	2770				
KM0752	10	9.84	142	240	2550				
KM0752	7.5	7.48	187	200	2330				

减速机型号表 / GEAR UNIT SELECTION TABLES

KM 090.. n_1=1400r/min 500Nm

减速机型号 Gear units	i 公称 Nominal	i 实际 Actual	n_2 [r/min]	M_{2max} [Nm]	F_{r2} [N]	MS63	MS71	MS80	MS90
3级/Stage									
KM0903	300	295.18	4.7	500	8300				
KM0903	250	240.89	5.8	500	8300				
KM0903	200	200.66	7.0	480	8300				
KM0903	150	151.20	9.3	500	8050				
KM0903	125	125.95	11.1	480	7580				
KM0903	100	99.22	14.1	380	7000				
KM0903	75	75.45	18.6	300	6390				
KM0903	60	62.43	22	480	6000				
KM0903	50	49.18	28	380	5540				
2级/Stage									
KM0902	60	59.04	24	500	5890				
KM0902	50	48.18	29	500	5500				
KM0902	40	40.13	35	480	5170				
KM0902	30	30.24	46	500	4710				
KM0902	25	25.19	56	480	4430				
KM0902	20	19.84	71	380	4090				
KM0902	15	15.09	93	300	3730				
KM0902	12.5	12.49	112	480	3510				
KM0902	10	9.84	142	380	3240				
KM0902	7.5	7.48	187	300	2950				

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KM SERIES HELICAL-HYPOID GEAR UNITS

KM 110.. n_1=1400r/min 750Nm

减速机型号 Gear units	i 公称 Nominal	i 实际 Actual	n_2 [r/min]	M_{2max} [Nm]	F_{r2} [N]	MS63	MS71	MS80	MS90
3级/Stage									
KM1103	300	296.10	4.7	750	10000				
KM1103	250	244.29	5.7	750	10000				
KM1103	200	206.29	6.8	750	9920				
KM1103	150	153.33	9.1	750	8980				
KM1103	125	129.48	10.8	750	8490				
KM1103	100	103.64	13.5	650	7880				
KM1103	75	75.55	18.5	520	7090				
KM1103	60	64.18	22	750	6720				
KM1103	50	51.37	27	650	6240				
2级/Stage									
KM1102	60	59.22	24	750	6540				
KM1102	50	48.86	29	750	6130				
KM1102	40	41.26	34	750	5800				
KM1102	30	30.67	46	750	5250				
KM1102	25	25.90	54	750	4960				
KM1102	20	20.73	68	650	4610				
KM1102	15	15.11	93	520	4150				
KM1102	12.5	12.84	109	750	3930				
KM1102	10	10.27	136	650	3650				
KM1102	7.5	7.49	187	520	3280				

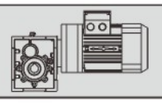
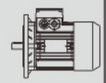
减速机型号表 / GEAR UNIT SELECTION TABLES

KM+ST伺服减速机组合表 n_1=1500r/min

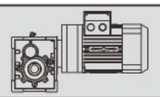
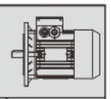
KM	ST	7.5	10	12.5	15	20	25	30	40	50	60	75	100	125	150	200	250	300
050	100W																	
	200W	●	●	●														
	400W																	
	500W																	
	750W																	
	1000W																	
	1500W																	
063	200W	●	●	●	●	●	●	●										
	400W	●	●	●														
	500W																	
	750W																	
	1000W																	
	1500W																	
075	400W	●	●	●	●	●	●	●										
	500W	●	●	●														
	750W	●	●	●														
	1000W																	
	1500W																	
	2000W																	
	3000W																	
	4000W																	
090	400W	●	●	●	●	●	●	●										
	500W	●	●	●	●	●	●											
	750W	●	●	●														
	1000W	●	●	●														
	1500W																	
	2000W																	
	3000W																	
	4000W																	
110	750W	●	●	●	●	●	●	●										
	1000W	●	●	●	●													
	1500W	●	●	●														
	2000W																	
	3000W																	
	4000W																	
	5000W																	

TAIGONG 泰工减速机
KM系列斜齿-准双曲面齿轮减速器
KM SERIES HELICAL-HYPOID GEAR UNITS

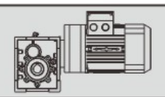
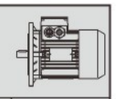
性能参数/ PERFORMANCE PARAMETER

P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
0.12	4.8	215	300	291.79	4100	0.6	KM0503 MS6314	KM0503 63B5	6314
	5.7	180	250	244.29	4100	0.72			
	7.0	148	200	200.44	4100	0.88			
	9.5	108	150	146.67	4000	1.2			
	11.6	89	125	120.34	3770	1.5			
	13.9	74	100	101.04	3560	1.3			
	18.8	55	75	74.62	3220	1.5			
	22	46	60	62.36	3030	2.8			
	27	39	50	52.36	2860	2.6			
	24	44	60	58.36	2960	3.0	KM0502 MS6314	KM0502 63B5	6314
	29	37	50	48.86	2790	3.5			
	35	30	40	40.09	2610	4.3			
	48	22	30	29.33	2350	5.9			
	58	18.1	25	24.07	2200	7.2			
	69	15.2	20	20.21	2080	6.6			
	94	11.2	15	14.92	1880	7.1			
	112	9.4	12.5	12.47	1770	13.8			
	134	7.9	10	10.47	1670	12.7			
	181	5.8	7.5	7.73	1510	13.7			
	4.6	223	300	302.50	4800	0.9	KM0633 MS6314	KM0633 63B5	6314
	5.7	179	250	243.57	4800	1.1			
	7.1	145	200	196.43	4800	1.2			
	9.2	112	150	151.56	4650	1.8			
	11.5	90	125	122.22	4330	2.0			
	13.8	75	100	101.27	4070	2.0			
	19.1	54	75	73.33	3650	2.0			
	22	47	60	63.33	3480	3.9			
	27	39	50	52.48	3270	3.9			
	23	46	60	60.50	3420	4.4	KM0632 MS6314	KM0632 63B5	6314
	29	37	50	48.71	3190	5.5			
	36	30	40	39.29	2970	6.1			
	46	23	30	30.31	2720	8.8			
	4.7	219	300	297.21	6500	1.6	KM0753 MS6314	KM0753 63B5	6314
	5.8	177	250	240.89	6500	2.0			
	7.0	148	200	200.66	6500	2.0			
	9.3	111	150	151.20	6500	3.1			
	11.1	93	125	125.95	5980	3.2			
	14.1	73	100	99.22	5520	3.3			
	18.6	56	75	75.45	5040	3.6			

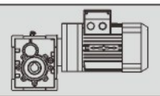
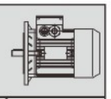
性能参数/ PERFORMANCE PARAMETER

P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
0.12	4.7	217	300	295.18	8300	2.3	KM0903 MS6314	KM0903 63B5	6314
	5.8	177	250	240.89	8300	2.8			
	7.0	148	200	200.66	8300	3.2			
	9.3	111	150	151.20	8050	4.5			
0.18	9.6	161	300	291.79	4000	0.81	KM0503 MS6312	KM0503 63B5	6312
	11.5	135	250	244.29	3790	0.96			
	14.0	111	200	200.44	3550	1.2			
	19.1	81	150	146.67	3200	1.6			
	23	66	125	120.34	2990	2.0			
	28	56	100	101.04	2820	1.8			
	38	41	75	74.62	2550	1.9			
	45	34	60	62.36	2400	3.8			
	53	29	50	52.36	2270	3.5			
	11.6	133	125	120.34	3770	0.98	KM0503 MS6324	KM0503 63B5	6324
	13.9	112	100	101.04	3560	0.9			
	18.8	82	75	74.62	3220	0.97			
	22	69	60	62.36	3030	1.9			
	27	58	50	52.36	2860	1.7			
	24	66	60	58.36	2960	2.0	KM0502 MS6324	KM0502 63B5	6324
	29	55	50	48.86	2790	2.1			
	35	45	40	40.09	2610	2.9			
	48	33	30	29.33	2350	3.9			
	58	27	25	24.07	2200	4.8			
	69	23	20	20.21	2080	4.4			
	94	17.2	15	14.92	1880	4.7			
	14.4	107	60	62.36	3510	1.2	KM0503 MS7116	KM0503 71B5/B14	7116
	17.2	90	50	52.36	3310	1.1			
	15.4	103	60	58.36	3430	1.3	KM0502 MS7116	KM050271B5/B14	7116
	18.4	86	50	48.86	3240	1.5			
	22	70	40	40.09	3030	1.8			
	31	52	30	29.33	2730	2.5			
	37	42	25	24.07	2550	3.1			
	45	36	20	20.21	2410	2.8			
	60	26	15	14.92	2180	3.1			
	72	22	12.5	12.47	2050	5.9			
	86	18.4	10	10.47	1930	5.4			
	116	13.6	7.5	7.73	1750	5.9			
	9.3	167	300	302.50	4650	1.2	KM0633 MS6312	KM0633 63B5	6312
	11.5	135	250	243.57	4330	1.5			
	14.3	109	200	196.43	4030	1.7			
	18.5	84	150	151.56	3690	2.4			
	23	68	125	122.22	3440	2.7			

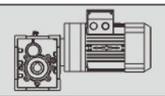
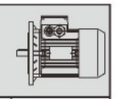
TAIGONG 泰工减速机
KM系列斜齿-准双曲面齿轮减速器
KM SERIES HELICAL-HYPOID GEAR UNITS

P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
0.18	28	56	100	101.27	3230	2.7	KM0633 MS6312	KM0633 63B5	6312
	38	41	75	73.33	2900	2.7			
	44	35	60	63.33	2760	5.1			
	53	29	50	52.48	2590	5.2			
	7.1	217	200	196.43	4800	0.83	KM0633 MS6324	KM0633 63B5	6324
	9.2	167	150	151.56	4650	1.2			
	11.5	1356	125	122.22	4330	1.3			
	13.8	112	100	101.27	4070	1.3			
	19.1	81	75	73.33	3650	1.4			
	22	70	60	63.33	3480	2.6			
	27	58	50	52.48	3270	2.6			
	23	68	60	60. 50	3430	2. 9	KM0632 MS6324	KM0632 63B5	6324
	29	55	50	48. 71	3190	3. 6			
	36	44	40	39. 29	2970	4. 1			
	7. 4	210	125	122. 22	4800	0. 86	KM0633 MS7116	KM0633 71B5/B14	7116
	8. 9	174	100	101. 27	4720	0. 86			
	12. 3	126	75	73. 33	4230	0. 87			
	14. 2	109	60	63. 33	4030	1. 7			
	17. 1	90	50	52. 48	3790	1. 7			
	14.9	106	60	60.50	3970	1.9	KM0632 MS7116	KM0632 71B5/B14	7116
	18.5	86	50	48.71	3690	2.3			
	23	69	40	39.29	3440	2.6			
	30	53	30	30.31	3150	3.8			
	37	43	25	24.44	2930	4.2			
	44	36	20	20.25	2760	4.2			
	61	26	15	14.67	2470	4.3			
	9.4	164	300	297.21	6320	2.1	KM0753 MS6312	KM0753 63B5	6312
	11.6	133	250	240.89	5890	2.6			
	14.0	111	200	200.66	5540	2.7			
	18.5	84	150	151.20	5040	4.2			
	4.7	328	300	297.21	6500	1.1	KM0753 MS6324	KM0753 63B5	6324
	5.8	266	250	240.89	6500	1.3			
	7.0	222	200	200.66	6500	1.4			
	9.3	167	150	151.20	6500	2.1			
	11.1	139	125	125.95	5980	2.2			
	14.1	110	100	99.22	5520	2.2			
	18.6	83	75	75.45	5040	2.4			
	3. 7	414	250	240.89	6500	0.85	KM0753 MS7116	KM0753 71B5/B14	7116
	4. 5	345	200	200.66	6500	0.87			
	6. 0	260	150	151.20	6500	1.3			

性能参数/ PERFORMANCE PARAMETER

P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
0.18	7.1	217	125	125.95	6500	1.4	KM0753 MS7116	KM0753 71B5/B14	7116
	9.1	171	100	99.22	6400	1.4			
	11.9	130	75	75.45	5840	1.5			
	14.4	107	60	62.43	5480	2.8			
	18.3	85	50	49.18	5060	2.8			
	15.1	107	60	59.44	5390	3.4	KM0752 MS7116	KM0752 71B5/B14	7116
	18.7	85	50	48.18	5030	4.1			
	22	71	40	40.13	4730	4.3			
	9. 5	163	300	295. 18	7990	3. 1	KM0903 MS6312	KM0903 63B5	6312
	11. 6	133	250	240. 89	7470	3. 8			
	14. 0	111	200	200. 66	7030	4. 3			
	4.7	326	300	295.18	8300	1.5	KM0903 MS6324	KM0903 63B5	6324
	5.8	266	250	240.89	8300	1.9			
	7.0	222	200	200.66	8300	2.2			
	9.3	167	150	151.20	8050	3.0			
	11.1	139	125	125.95	7580	3.4			
	14.1	110	100	99.22	7000	3.5			
	18.6	83	75	75.45	6390	3.6			
	3.0	507	300	295.18	8300	1.0	KM0903 MS7116	KM0903 71B5/B14	7116
	3.7	414	250	240.89	8300	1.2			
	4.5	345	200	200.66	8300	1.4			
	6.0	260	150	151.20	8300	1.9			
	7.1	217	125	125.95	8300	2.2			
	9.1	171	100	99.22	8110	2.2			
	11.9	130	75	75.45	7400	2.3			
	14.4	107	60	62.43	6950	4.5			
	18.3	85	50	49.18	6420	4.5			
	3.0	520	300	296.10	10000	1.5	KM1103 MS7116	KM1103 71B5/B14	7116
	3.7	420	250	244.29	10000	1.8			
	4.4	355	200	206.29	10000	2.1			
	5.9	264	150	153.33	10000	2.8			
	7.0	223	125	129.48	9840	3.4			
	8.7	178	100	103.64	9130	3.6			
	11.9	130	75	75.55	8220	4.0			
0.25	19.1	113	150	146.67	3200	1.2	KM0503 MS6322	KM0503 63B5	6322
	23	92	125	120.34	2990	1.4			
	28	78	100	101.04	2820	1.3			
	38	57	75	74.62	2550	1.4			
	45	48	60	62.36	2400	2.7			
	53	40	50	52.36	2270	2.5			

TAIGONG 泰工减速机
KM系列斜齿-准双曲面齿轮减速器
KM SERIES HELICAL-HYPOID GEAR UNITS

P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
0.25	22	96	60	62.36	3030	1.4	KM0503 MS6334	KM0503 71B5/B14	7114
	27	80	50	52.36	2860	1.2			
	24	92	60	58.36	2960	1.4	KM0502 MS6334	KM0502 71B5/B14	7114
	29	77	50	48.86	2790	1.7			
	35	63	40	40.09	2610	2.1			
	48	46	30	29.33	2350	2.8			
	58	38	25	24.07	2200	3.4			
	69	32	20	20.21	2080	3.2			
	94	23	15	14.92	1880	3.4			
	15.4	142	60	58.36	3430	0.9	KM0502 MS7126	KM0502 71B5/B14	7126
	18.4	119	50	48.86	3240	1.1			
	22	98	40	40.09	3030	1.3			
	31	72	30	29.33	2730	1.8			
	37	59	25	24.07	2550	2.2			
	45	49	20	20.21	2410	2.0			
	60	36	15	14.92	2180	2.2			
	72	30	12.5	12.47	2050	4.3			
	86	26	10	10.47	1930	3.9			
	116	19	7.5	7.73	1750	4.2			
	9.3	232	300	302.50	4650	0.86	KM0633 MS6322	KM063363B5	6322
	11.5	187	250	243.57	4330	1.1			
	14.3	151	200	196.43	4030	1.2			
	18.5	116	150	151.56	3690	1.7			
	23	94	125	122.22	3440	1.9			
	28	78	100	101.27	3230	1.9			
	38	56	75	73.33	2900	2.0			
	44	49	60	63.33	2760	3.7			
	53	40	50	52.48	2590	3.7			
	9.2	233	150	151.56	4650	0.86	KM0633 MS6334	KM0633 71B5/B14	7114
	11.5	188	125	122.22	4330	0.96			
	13.8	155	100	101.27	4070	0.97			
	19.1	113	75	73.33	3560	1.0			
	22	97	60	63.33	3480	1.9			
	27	81	50	52.48	3270	1.9			
	23	95	60	60.50	3430	2.1	KM0632 MS6334	KM0632 71B5/B14	7114
	29	76	50	48.71	3190	2.6			
	36	62	40	39.29	2970	2.9			
	46	48	30	30.31	2720	4.2			
	14.2	151	60	63.33	4030	1.2	KM0753 MS7116	KM0753 71B5/B14	7126
	17.1	125	50	52.48	3790	1.2			

性能参数/ PERFORMANCE PARAMETER

P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
0.25	14.9	148	60	60.50	3970	1.4	KM0753 MS7116	KM0753 71B5/B14	7116
	18.5	119	50	48.71	3690	1.7			
	23	96	40	39.29	3440	1.9			
	30	74	30	30.31	3150	2.7			
	37	60	25	24.44	2930	3.0			
	44	49	20	20.25	2760	3.0			
	61	36	15	14.67	2470	3.1			
	9.4	228	300	297.21	6320	1.5	KM0753 MS6322	KM0753 63B5	6322
	11.6	185	250	240.89	5890	1.9			
	14.0	154	200	200.66	5540	1.9			
	18.5	116	150	151.20	5040	3.0			
	22	97	125	125.95	4750	3.1			
	28	76	100	99.22	4380	3.2			
	37	58	75	75.45	4000	3.5			
	5.8	370	250	240.89	6500	0.95	KM0753 MS6334	KM0753 71B5/B14	7114
	7.0	308	200	200.66	6500	1.0			
	9.3	232	150	151.20	6500	1.5			
	11.1	193	125	125.95	5980	1.6			
	14.1	152	100	99.22	5520	1.6			
	18.6	116	75	75.45	5040	1.7			
	22	96	60	62.43	4730	3.1			
	28	75	50	49.18	4370	3.2			
	24	93	60	59.44	4660	3.8	KM0752 MS6334	KM0752 71B5/B14	7114
	29	76	50	48.18	4340	4.6			
	6.0	361	150	151.20	6500	0.97	KM0753 MS7126	KM0753 71B5/B14	7126
	7.1	301	125	125.95	6500	1.0			
	9.1	237	100	99.22	6400	1.0			
	11.9	180	75	75.45	5840	1.1			
	14.4	149	60	62.43	5480	2.0			
	18.3	117	50	49.18	5060	2.0			
	15.1	145	60	59.44	5390	2.4	KM0752 MS7126	KM0752 71B5/B14	7126
	18.7	118	50	48.18	5030	3.0			
	22	98	40	40.13	4730	3.1			
	9.5	227	300	295.18	7990	2.2	KM0903 MS6322	KM0903 63B5	6322
	11.6	185	250	240.89	7470	2.7			
	14.0	154	200	200.66	7030	3.1			
	18.5	116	150	151.20	6390	4.3			
	4.7	453	300	295.18	8300	1.1	KM0903 MS6334	KM0903 71B5/B14	7114
	5.8	370	250	240.89	8300	1.4			
	7.0	308	200	200.66	8300	1.6			

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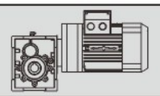
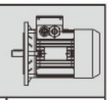
P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
0.25	9.3	232	150	151.20	8050	2.2	KM0903 MS6334	KM0903 71B5/B14	7114
	11.1	193	125	125.95	7580	2.5			
	14.1	152	100	99.22	7000	2.5			
	18.6	116	75	75.45	6390	2.6			
	22	96	60	62.43	6000	5.0			
	28	75	50	49.18	5540	5.0			
	3.0	705	300	295.18	8300	0.71	KM0903 MS7126	KM0903 71B5/B14	7126
	3.7	575	250	240.89	8300	0.9			
	4.5	479	200	200.66	8300	1.0			
	6.0	361	150	151.20	8300	1.4			
	7.1	301	125	125.95	8300	1.6			
	9.1	237	100	99.22	8110	1.6			
	11.9	180	75	75.45	7400	1.7			
	14.4	149	60	62.43	6950	3.2			
	18.3	117	50	49.18	6420	3.2			
	15.2	144	60	59.04	6820	3.5	KM0902 MS7126	KM0902 71B5/B14	7126
	18.7	118	50	48.18	6370	4.3			
	4.7	454	300	296.10	10000	1.7	KM1103 MS6334	KM1103 71B5/B14	7114
	5.7	375	250	244.29	10000	2.0			
	6.8	317	200	206.29	9920	2.4			
	9.1	235	150	153.33	8980	3.2			
	10.8	199	125	129.48	8490	3.8			
	13.5	159	100	103.64	7880	4.1			
	3.0	707	300	296.10	10000	1.1	KM1103 MS7126	KM1103 71B5/B14	7126
	3.7	583	250	244.29	10000	1.3			
	4.4	493	200	206.29	10000	1.5			
	5.9	366	150	153.33	10000	2.0			
	7.0	309	125	129.48	9840	2.4			
	8.7	247	100	103.64	9130	2.6			
	11.9	180	75	75.55	8220	2.9			
0.37	23	137	125	120.34	2990	0.95	KM0503 MS6332	KM0503 71B5/B14	7112
	28	115	100	101.04	2820	0.87			
	38	85	75	74.62	2550	0.94			
	45	71	60	62.36	2400	1.8			
	53	59	50	52.36	2270	1.7			
	24	136	60	58.36	2960	0.96	KM0502 MS7124	KM0502 71B5/B14	7124
	29	113	50	48.86	2790	1.1			
	35	93	40	40.09	2610	1.4			
	48	68	30	29.33	2350	1.9			
	58	56	25	24.07	2200	2.3			

性能参数/ PERFORMANCE PARAMETER

P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
0.37	69	47	20	20.21	2080	2.1	KM0502 MS7124	KM0502 71B5/B14	7124
	94	35	15	14.92	1880	2.3			
	112	29	12.5	12.47	1770	4.5			
	134	24	10	10.47	1670	4.1			
	181	17.9	7.5	7.73	1510	4.5			
	22	145	40	40.09	3030	0.9	KM0502 MS8016	KM0502 63B5	6322
	31	106	30	29.33	2730	1.2			
	37	87	25	24.07	2550	1.5			
	45	73	20	20.21	2410	1.4			
	60	54	15	14.92	2180	1.5			
	72	45	12.5	12.47	2050	2.9			
	86	38	10	10.47	1930	2.6			
	116	28	7.5	7.73	1750	2.9			
	18.5	172	150	151.56	3690	1.2	KM0633 MS6332	KM0633 71B5/B14	7112
	23	139	125	122.22	3440	1.3			
	28	115	100	101.27	3230	1.3			
	38	83	75	73.33	2900	1.3			
	44	72	60	63.33	2760	2.5			
	53	60	50	52.48	2590	2.5			
	22	144	60	63.33	3480	1.3	KM0633 MS7124	KM0633 71B5/B14	7124
	27	119	50	52.48	3270	1.3			
	23	140	60	60.50	3430	1.4	KM0632 MS7124	KM0632 71B5/B14	7124
	29	113	50	48.71	3190	1.8			
	36	91	40	39.29	2970	2.0			
	46	70	30	30.31	2720	2.8			
	57	57	25	24.44	2530	3.2			
	69	47	20	20.25	2380	3.2			
	95	34	15	14.67	2130	3.2			
	14.9	219	60	60.50	3970	0.92	KM0632 MS8016	KM0632 80B5/B14	8016
	18.5	176	50	48.71	3690	1.1			
	23	142	40	39.29	3440	1.3			
	30	109	30	30.31	3150	1.8			
	37	88	25	24.44	2930	2.0			
	44	73	20	20.25	2760	2.1			
	61	53	15	14.67	2470	2.1			
	71	46	12.5	12.67	2360	3.9			
	86	38	10	10.50	2210	4.0			
	118	27	7.5	7.60	1990	4.0			
	9.4	338	300	297.21	6320	1.0	KM0753 MS6332	KM0753 71B5/B14	7112
	11.6	274	250	240.89	5890	1.3			

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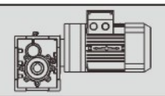
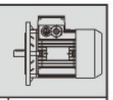
P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
0.37	14.0	228	200	200.66	5540	1.3	KM0753 MS6332	KM0753 71B5/B14	7112
	18.5	172	150	151.20	5040	2.0			
	22	143	125	125.95	4750	2.1			
	28	113	100	99.22	4380	2.1			
	37	86	75	75.45	4000	2.3			
	45	71	60	62.43	3750	4.2			
	57	56	50	49.18	3470	4.3			
	9.3	343	150	151.20	6500	1.0	KM0753 MS7124	KM0753 71B5/B14	7124
	11.1	286	125	125.95	5980	1.0			
	14.1	225	100	99.22	5520	1.1			
	18.6	171	75	75.45	5040	1.2			
	22	142	60	62.43	4730	2.1			
	28	112	50	49.18	4370	2.1			
	24	138	60	59.44	4660	2.5	KM0752 MS7124	KM0752 71B5/B14	7124
	29	112	50	48.18	4340	3.1			
	35	93	40	40.13	4080	3.2			
	14.4	221	60	62.43	5480	1.4	KM0753 MS8016	KM0753 80B5/B14	8016
	18.3	174	50	49.18	5060	1.4			
	15.1	215	60	59.44	5390	1.6	KM0752 MS8016	KM0752 80B5/B14	8016
	18.7	174	50	48.18	5030	2.0			
	22	145	40	40.13	4730	2.1			
	30	109	30	30.24	4310	3.2			
	36	91	25	25.19	4050	3.3			
	45	72	20	19.84	3740	3.3			
	60	55	15	15.09	3410	3.7			
	9.5	335	300	295.18	7990	1.5	KM0903 MS6332	KM0903 71B5/B14	7112
	11.6	274	250	240.89	7470	1.8			
	14.0	228	200	200.66	7030	2.1			
	18.5	172	150	151.20	6390	2.9			
	22	143	125	125.95	6010	3.4			
	28	113	100	99.22	5550	3.4			
	37	86	75	75.45	5070	3.5			
	4.7	671	300	295.18	8300	0.75	KM0903 MS7124	KM0903 71B5/B14	7124
	5.8	547	250	240.89	8300	0.91			
	7.0	456	200	200.66	8300	1.1			
	9.3	343	150	151.20	8050	1.5			
	11.1	286	125	125.95	7580	1.7			
	14.1	225	100	99.22	7000	1.7			
	18.6	171	75	75.45	6390	1.8			
	22	142	60	62.43	6000	3.4			

性能参数/ PERFORMANCE PARAMETER

P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
0.37	28	112	50	49.18	5540	3.4	KM0903 MS7124	KM0903 71B5/B14	7124
	24	137	60	59.04	5890	3.6	KM0902 MS7124	KM0902 71B5/B14	7124
	29	112	50	48.18	5500	4.5			
	6.0	534	150	151.20	8300	0.94	KM0903 MS8016	KM0903 80B5/B14	8016
	7.1	445	125	125.95	8300	1.1			
	9.1	351	100	99.22	8110	1.1			
	11.9	267	75	75.45	7400	1.1			
	14.4	221	60	62.43	6950	2.2			
	18.3	174	50	49.18	6420	2.2			
	15.2	213	60	59.04	6820	2.3	KM0902 MS8016	KM0902 80B5/B14	8016
	18.7	174	50	48.18	6370	2.9			
	22	145	40	40.13	6000	3.3			
	9.5	336	300	296.10	8880	2.2	KM1103 MS7124	KM1103 71B5/B14	7112
	11.5	277	250	244.29	8330	2.7			
	13.6	234	200	206.29	7870	3.2			
	18.3	174	150	153.33	7130	4.3			
	4.7	673	300	296.10	10000	1.1	KM1103 MS7124	KM1103 71B5/B14	7124
	5.7	555	250	244.29	10000	1.4			
	6.8	469	200	206.29	9920	1.6			
	9.1	348	150	153.33	8980	2.2			
	10.8	294	125	129.48	8490	2.5			
	13.5	235	100	103.64	7880	2.8			
	18.5	172	75	75.55	7090	3.0			
	4.4	729	200	206.29	10000	1.0	KM1103 MS8016	KM1103 80B5/B14	8016
	5.9	542	150	153.33	10000	1.4			
	7.0	458	125	129.48	9840	1.6			
	8.7	366	100	103.64	9130	1.8			
	11.9	267	75	75.55	8220	1.9			
	14.0	227	60	64.18	7780	3.3			
	17.5	182	50	51.37	7230	3.6			
	15.2	214	65	59.22	7580	3.5	KM1102 MS8016	KM1102 80B5/B14	8016
	18.4	176	50	48.86	7110	4.2			
0.55	45	105	65	62.36	2400	1.2	KM0503 MS7112	KM0503 71B5/B14	7112
	53	88	50	52.36	2270	1.1			
	35	138	40	40.09	2610	0.94	KM0502 MS8014	KM0502 80B5/B14	8014
	48	101	30	29.33	2350	1.3			
	58	83	25	24.07	2200	1.6			
	69	70	20	20.21	2080	1.4			
	94	51	15	14.92	1880	1.6			
	112	43	12.5	12.47	1770	3.0			

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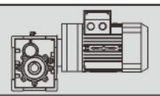
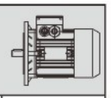
P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
0.55	134	36	10	10.47	1670	2.8	KM0502 MS8014	KM0502 80B5/B14	8014
	181	27	7.5	7.73	1510	3.0			
	37	129	25	24.07	2550	1.0	KM0502 MS8026	KM0502 80B5/B14	8026
	45	109	20	20.21	2410	0.92			
	60	80	15	1492	2180	1.0			
	72	67	12.5	12.47	2050	1.9			
	86	56	10	10.47	1930	1.8			
	116	42	7.5	7.73	1750	1.9			
	23	206	125	122.22	3440	0.87	KM0633 MS7122	KM0633 71B5/B14	7122
	28	171	100	101.27	3230	0.88			
	38	124	75	73.33	2900	0.9			
	44	107	60	63.33	2760	1.7			
	53	89	50	52.48	2590	1.7			
	23	209	60	60.50	3430	0.96	KM0632 MS8014	KM0632 80B5/B14	8014
	29	168	50	48.71	3190	1.2			
	36	136	40	39.29	2970	1.3			
	46	105	30	30.31	2720	1.9			
	57	84	25	24.44	2530	2.1			
	69	70	20	20.25	2380	2.1			
	95	51	15	14.67	2130	2.2			
	110	44	12.5	12.67	2030	4.1			
	133	36	10	10.50	1910	4.1			
	184	26	7.5	7.60	1710	4.2			
	23	216	40	39.29	3440	0.85	KM0632 MS8026	KM0632 80B5/B14	8026
	30	163	30	30.31	3150	1.2			
	37	131	25	24.44	2930	1.4			
	44	109	20	20.25	2760	1.4			
	61	79	15	14.67	2470	4.4			
	71	68	12.54	12.67	2360	2.6			
	86	56	10	10.50	2210	2.7			
	118	41	7.5	7.60	1990	2.7			
	11.6	407	250	240.89	5890	0.86	KM0753 MS7122	KM0753 71B5/B14	7122
	14.0	339	200	200.66	5540	0.9			
	18.5	255	150	151.20	5040	1.4			
	22	213	125	125.95	4750	1.4			
	28	168	100	99.22	4380	1.4			
	37	127	75	75.45	4000	1.6			
	45	105	60	62.43	3750	2.8			
	57	83	50	49.18	3470	2.9			
	18.6	255	75	75.45	5040	0.8	KM0753 MS8014	KM0753 80B5/B14	8014

性能参数/ PERFORMANCE PARAMETER

P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
0.55	22	211	60	62.43	4730	1.4	KM0753 MS8014	KM0753 80B5/B14	8014
	28	166	50	49.18	4370	1.4			
	24	205	60	59.44	4660	1.7	KM0752 MS8014	KM0752 80B5/B14	8014
	29	166	50	48.18	4340	2.1			
	35	139	40	40.13	4080	2.2			
	46	104	30	30.24	3720	3.4			
	56	87	25	25.19	3500	3.5			
	71	68	20	19.84	3230	3.5			
	93	52	15	15.09	2950	3.8			
	14.4	328	60	62.43	5480	0.91	KM0753 MS8026	KM0753 80B5/B14	8026
	18.3	258	50	49.18	5060	0.93			
	15.1	319	60	59.44	5390	1.1	KM0752 MS8026	KM0752 80B5/B14	8026
	18.7	259	50	48.18	5030	1.4			
	22	215	40	40.13	4730	1.4			
	30	162	30	30.24	4310	2.2			
	36	135	25	25.19	4050	2.2			
	45	107	20	19.84	3740	2.3			
	60	81	15	15.09	3410	2.5			
	9.5	498	300	295.18	7990	1.0	KM0903 MS7122	KM0903 71B5/B14	7122
	11.6	407	250	240.89	7470	1.2			
	14.0	339	200	200.66	7030	1.4			
	18.5	255	150	151.20	6390	2.0			
	22	213	125	125.95	6010	2.3			
	28	168	100	99.22	5550	2.3			
	37	127	75	75.45	5070	2.4			
	45	105	60	62.43	4760	4.6			
	57	83	50	49.18	4390	4.6			
	9.3	511	150	151.20	8050	1.0	KM0903 MS8014	KM0903 80B5/B14	8014
	11.1	425	125	125.95	7580	1.1			
	14.1	335	100	99.22	7000	1.1			
	18.6	255	75	75.45	6390	1.2			
	22	211	60	62.43	6000	2.3			
	28	166	50	49.18	5540	2.3			
	24	204	60	59.04	5890	2.5	KM0902 MS8014	KM0902 80B5/B14	8014
	29	166	50	48.18	5500	3.0			
	35	139	40	40.13	5170	3.5			
	46	104	30	30.24	4710	4.8			
	14.4	328	60	62.43	6950	1.5	KM0903 MS8026	KM0903 80B5/B14	8026
	18.3	258	50	49.18	6420	1.5			
	15.2	317	60	59.04	6820	1.5	KM0902 MS8026	KM0902 80B5/B14	8026

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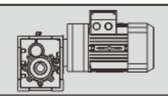
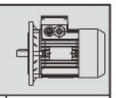
KM SERIES HELICAL-HYPOID GEAR UNITS

P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
0.55	18.7	259	50	48.18	6370	1.9	KM0902 MS8026	KM0902 80B5/B14	8026
	22	215	40	40.13	6000	2.2			
	30	162	30	30.24	5460	3.1			
	36	135	25	25.19	5130	3.5			
	45	107	20	19.84	4740	3.6			
	60	81	15	15.09	4330	3.7			
	9.5	500	300	296.10	8880	1.5	KM1103 MS7122	KM1103 71B5/B14	7122
	11.5	412	250	244.29	8330	1.8			
	13.6	348	200	206.29	7870	2.2			
	18.3	259	150	153.33	7130	2.9			
	22	219	125	129.48	6740	3.4			
	27	175	100	103.64	6260	3.7			
	37	128	75	75.55	5630	4.1			
	5.7	825	250	244.29	10000	0.91	KM1103 MS8014	KM1103 80B5/B14	8014
	6.8	697	200	206.29	9920	1.1			
	9.1	518	150	153.33	8980	1.4			
	10.8	437	125	129.48	8490	1.7			
	13.5	350	100	103.64	7880	1.9			
	18.5	255	75	75.55	7090	2.0			
	22	217	60	64.18	6720	3.5			
	27	173	50	51.37	6240	3.7			
	24	204	60	59.22	6540	3.7	KM1102 MS8014	KM1102 80B5/B14	8014
	29	169	50	48.86	6130	4.4			
	5.9	805	150	153.33	10000	0.93	KM1103 MS8026	KM1103 80B5/B14	8026
	7.0	680	125	129.48	9840	1.1			
	8.7	544	100	103.64	9130	1.2			
	11.9	397	75	75.55	8220	1.3			
	14.0	337	60	64.18	7780	2.2			
	17.5	270	50	51.37	7230	2.4			
	15.2	318	60	59.22	7580	2.4	KM1102 MS8026	KM1102 80B5/B14	8026
	18.4	262	50	48.86	7110	2.9			
	22	222	40	41.26	6720	3.4			
	29	165	30	30.67	6090	4.6			
0.75	48	138	30	29.33	2350	0.94	KM0502 MS8024	KM0502 80B5/B14	8024
	58	113	25	24.07	2200	1.1			
	69	95	20	20.21	2080	1.1			
	94	70	15	14.92	1880	1.1			
	112	59	12.5	12.47	1770	2.2			
	134	49	10	10.47	1670	2.0			
	181	36	7.5	7.73	1510	2.2			

性能参数/ PERFORMANCE PARAMETER

P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
0.75	72	91	91	12.47	2050	1.4	KM0502 MS90S6	KM0502 90B5/B14	90S6
	86	77	77	10.47	1930	1.3			
	116	57	57	7.73	1750	1.4			
	44	146	146	63.33	2760	1.2	KM0633 MS8012	KM0633 80B5/B14	8012
	53	121	121	52.48	2590	1.2			
	29	229	229	48.71	3190	0.87	KM0632 MS8024	KM0632 80B5/B14	8024
	36	185	185	39.29	2970	0.97			
	46	143	143	30.31	2720	1.4			
	57	115	115	24.44	2530	1.6			
	69	95	95	20.25	2380	1.6			
	95	69	69	14.67	2130	1.6			
	110	60	60	12.67	2030	3.0			
	133	49	49	10.50	1910	3.0			
	184	36	36	7.60	1710	3.1			
	30	222	222	30.31	3150	0.9	KM0632 MS90S6	KM0632 90B5/B14	90S6
	37	179	179	24.44	2930	1.0			
	44	148	148	20.25	2760	1.0			
	61	107	107	14.67	2470	1.0			
	71	93	93	12.67	2360	1.9			
	86	77	77	10.50	2210	2.0			
	118	56	56	7.60	1990	2.0			
	18.5	348	348	151.20	5040	1.0	KM0753 MS8012	KM0753 80B5/B14	8012
	22	290	290	125.95	4750	1.0			
	28	228	228	99.22	4380	1.1			
	37	174	174	75.45	4000	1.2			
	45	144	144	62.43	3750	2.1			
	57	113	113	49.18	3470	2.1			
	22	287	287	62.43	4730	1.0	KM0753 MS8024	KM0753 80B5/B14	8024
	28	226	226	49.18	4370	1.1			
	24	280	280	59.44	4660	1.3	KM0752 MS8024	KM0752 80B5/B14	8024
	29	227	227	48.18	4340	1.5			
	35	189	189	40.13	4080	1.6			
	46	142	142	30.24	3720	2.5			
	56	119	119	25.19	3500	2.5			
	71	93	93	19.84	3230	2.6			
	93	71	71	15.09	2950	2.8			
	18.7	353	353	48.18	5030	1.0	KM0752 MS90S6	KM0752 90B5/B14	90S6
	22	294	294	40.13	4730	1.0			
	30	221	221	30.24	4310	1.6			
	36	184	184	25.19	5050	1.6			

TAIGONG 泰工减速机
KM系列斜齿-准双曲面齿轮减速器
KM SERIES HELICAL-HYPOID GEAR UNITS

P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
0.75	45	145	20	19.84	3740	1.7	KM0752 MS90S6	KM0752 90B5/B14	90S6
	60	110	15	15.09	3410	1.8			
	72	91	12.5	12.49	3210	3.3			
	91	72	10	9.84	2960	3.3			
	120	55	7.5	7.48	2700	3.7			
	11.6	555	250	240.89	7470	0.9	KM0903 MS8012	KM0903 80B5/B14	8012
	14.0	462	200	200.66	7030	1.0			
	18.5	348	150	151.20	6390	1.4			
	22	290	125	125.95	6010	1.7			
	28	228	100	99.22	5550	1.7			
	37	174	75	75.45	5070	1.7			
	45	144	60	62.43	4760	3.3			
	57	113	50	49.18	4390	3.4			
	11.1	580	125	125.95	7580	0.83	KM0903 MS8024	KM0903 80B5/B14	8024
	14.1	457	100	99.22	7000	0.83			
	18.6	247	75	75.45	6390	0.86			
	22	287	60	62.43	6000	1.7			
	28	226	50	49.18	5540	1.7			
	24	278	60	59.04	5890	1.8	KM0902 MS8024	KM0902 80B5/B14	8024
	29	227	50	48.18	5500	2.2			
	35	189	40	40.13	5170	2.5			
	46	142	30	30.24	4710	3.5			
	56	119	25	25.19	4430	4.0			
	71	93	20	19.84	4090	4.1			
	93	71	15	15.09	3730	4.2			
	14.4	447	60	62.43	6950	1.1	KM0903 MS90S6	KM0903 90B5/B14	90S6
	18.3	352	50	49.18	6420	1.1			
	15.2	432	60	59.04	6820	1.2	KM0902 MS90S6	KM0902 90B5/B14	90S6
	18.7	353	50	48.18	6370	1.4			
	22	294	40	40.13	6000	1.6			
	30	221	30	30.24	5460	2.3			
	36	184	25	25.19	5130	2.6			
	45	145	20	19.84	4740	2.6			
	60	110	15	15.09	4330	2.7			
	9.5	682	300	296.10	8880	1.1	KM1103 MS8012	KM1103 80B5/B14	8012
	11.5	562	250	244.29	8330	1.3			
	13.6	475	200	206.29	7870	1.6			
	18.3	353	150	153.33	7130	2.1			
	22	298	125	129.48	6740	2.5			
	27	239	100	103.64	6260	2.7			

性能参数/ PERFORMANCE PARAMETER

P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
0 75	37	174	75	75.55	5630	3.0	KM1103 MS8012	KM1103 80B5/B14	8012
	9.1	706	150	153.33	8980	1.1	KM1103 MS8024	KM1103 80B5/B14	8024
	10.8	596	125	129.48	8490	1.3			
	13.5	477	100	103.64	7880	1.4			
	18.5	348	75	75.55	7090	1.5			
	22	296	60	64.18	6720	2.5			
	27	237	50	51.37	6240	2.7			
	24	279	60	59.22	6540	2.7	KM1102 MS8024	KM1102 80B5/B14	8024
	29	230	50	48.86	6130	3.3			
	34	194	40	41.26	5800	3.9			
	8.7	742	100	103.64	9130	0.88	KM1103 MS90S6	KM1103 90B5/B14	90S6
	11.9	541	75	75.55	8220	0.96			
	14.0	460	60	64.18	7780	1.6			
	17.5	368	50	51.37	7230	1.8			
	15.2	434	60	59.22	7580	1.7	KM1102 MS90S6	KM1102 90B5/B14	90S6
	18.4	358	50	48.86	7110	2.1			
	22	302	40	41.26	6720	2.5			
	29	225	30	30.67	6090	3.3			
	35	190	25	25.90	5750	4.0			
	43	152	20	20.73	5340	4.3			
1.1	112	86	12.5	12.47	1770	1.5	KM0502 MS90S4	KM0502 90B5/B14	90S4
	134	72	10	10.47	1670	1.4			
	181	53	7.5	7.73	1510	1.5			
	72	134	30	12.47	2050	0.97	KM0502 MS90L6	KM0502 90B5/B14	90L6
	86	112	25	10.47	1930	0.89			
	116	83	20	7.73	1750	0.96			
	46	209	15	30.31	2720	0.96	KM0632 MS90S4	KM0632 90B5/B14	90S4
	57	169	12.5	24.44	2530	1.1			
	69	140	10	20.25	2380	1.1			
	95	101	7.5	14.67	2130	1.1			
	110	87	12.5	12.67	2030	2.1			
	133	72	10	10.50	1910	2.1			
	184	52	7.5	7.60	1710	2.1			
	71	136	12.5	12.67	2360	1.3	KM0632 MS90L6	KM0632 90B5/B14	90L6
	86	113	10	10.50	2210	1.3			
	118	82	7.5	7.60	1990	1.3			
	45	211	60	62.43	3750	1.4	KM0753 MS8022	KM0753 80B5/B14	8022
	57	166	50	49.18	3470	1.4			
	24	410	60	59.44	4660	0.85	KM0752 MS90S4	KM0752 90B5/B14	90S4
	29	333	50	48.18	4340	1.1			

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P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
1.1	35	277	40	40.13	4080	1.1	KM0752 MS90S4	KM0752 90B5/B14	90S4
	46	209	30	30.24	3720	1.7			
	56	174	25	25.19	3500	1.7			
	71	137	20	19.84	3230	1.8			
	93	104	15	15.09	2950	1.9			
	112	86	12.5	12.49	2770	3.5			
	142	68	10	9.84	2550	3.5			
	187	52	7.5	7.48	2330	3.9			
	30	325	30	30.24	4310	1.1	KM0752 MS90L6	KM0752 90B5/B14	90L6
	36	271	25	25.19	4050	1.1			
	45	213	10	19.84	3740	1.1			
	60	162	15	15.09	3410	1.2			
	72	134	12.5	12.49	3210	2.2			
	91	106	10	9.84	2960	2.3			
	120	80	7.5	7.48	2700	2.5			
	18.5	511	150	151.20	6390	1.0	KM0903 MS8022	KM0903 80B5/B14	8022
	22	425	125	125.95	6010	1.1			
	28	335	100	99.22	5550	1.1			
	37	255	75	75.45	5070	1.2			
	45	211	60	62.43	4760	2.3			
	57	166	50	49.18	4390	2.3			
	22	422	60	62.43	6000	1.1	KM0903 MS90S4	KM0903 90B5/B14	90S4
	28	332	50	49.18	5540	1.1			
	24	408	60	59.04	5890	1.2	KM0902 MS90S4	KM0902 90B5/B14	90S4
	29	333	50	48.18	5500	1.5			
	35	277	40	40.13	5170	1.7			
	46	209	30	30.24	4710	2.4			
	56	174	25	25.19	4430	2.8			
	71	137	20	19.84	4090	2.8			
	93	104	15	15.09	3730	2.9			
	15.2	634	60	59.04	6820	0.8	KM0902 MS90L6	KM0902 90B5/B14	90L6
	18.7	517	50	48.18	6370	0.97			
	22	431	40	40.13	6000	1.1			
	30	325	30	30.24	5460	1.5			
	36	271	25	25.19	5130	1.8			
	45	213	20	19.84	4740	1.8			
	60	162	15	15.09	4330	1.9			
	72	134	12.5	12.49	4060	3.6			
	91	106	10	9.84	3750	3.6			
	120	80	7.5	7.48	3420	3.7			

性能参数/ PERFORMANCE PARAMETER

P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
1.1	11.5	825	250	244.29	8330	0.91	KM1103 MS8022	KM1103 80B5/B14	8022
	13.6	697	200	206.29	7870	1.1			
	18.3	518	150	153.33	7130	1.4			
	22	437	125	129.48	6740	1.7			
	27	350	100	103.64	6260	1.9			
	37	255	75	75.55	5630	2.0			
	44	217	60	64.18	5330	3.5			
	55	173	50	51.37	4950	3.7			
	10.8	874	125	129.48	8490	0.86	KM1103 MS90S4	KM1103 90B5/B14	90S4
	13.5	700	100	103.64	7880	0.93			
	18.5	510	75	75.55	7090	1.0			
	22	433	60	64.18	6720	1.7			
	27	347	50	51.37	6240	1.9			
	24	409	60	59.22	6540	1.8	KM1102 MS90S4	KM1102 90B5/B14	90S4
	29	337	50	48.86	6130	2.2			
	34	285	40	41.26	5800	2.6			
	46	212	30	30.67	5250	3.5			
	54	179	25	25.90	4960	4.2			
	68	143	20	20.73	4610	4.5			
	14.0	674	60	64.18	7780	1.1	KM1103 MS90L6	KM1103 90B5/B14	90L6
	17.5	540	50	51.37	7230	1.2			
	15.2	636	60	59.22	7580	1.2	KM1102 MS90L6	KM1102 90B5/B14	90L6
	18.4	525	50	48.86	7110	1.4			
	22	443	40	41.26	6720	1.7			
	29	329	30	30.67	6090	2.3			
	35	278	25	25.90	5750	2.7			
	43	223	20	20.73	5340	2.9			
	60	162	15	15.11	4810	3.2			
1.5	112	117	12.5	12.47	1770	1.1	KM0502 MS90L4	KM0502 90B5/B14	90L4
	134	99	10	10.47	1670	1.0			
	181	73	7.5	7.73	1510	1.1			
	57	230	25	24.44	2530	0.8	KM0632 MS90L4	KM0632 90B5/B14	90L4
	69	191	20	20.25	2380	0.8			
	95	138	15	14.67	2130	0.8			
	110	119	12.5	12.67	2030	1.5			
	133	99	10	10.50	1910	1.5			
	184	72	7.5	7.60	1710	1.5			
	45	287	60	62.43	3750	10	KM0753 MS90S2	KM0753 90B5/B14	90S2
	57	226	50	49.18	3470	11			
	29	454	50	48.18	4340	0.77	KM0752 MS90L4	KM0752 90B5/B14	90L4

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KM SERIES HELICAL-HYPOID GEAR UNITS

P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
1.5	35	378	40	40.13	4080	0.79	KM0752 MS90L4	KM0752 90B5/B14	90L4
	46	285	30	30.24	3720	1.2			
	56	237	25	25.19	3500	1.3			
	71	187	20	19.84	3230	1.3			
	93	142	15	15.09	2950	1.4			
	112	118	12.5	12.49	2770	2.6			
	142	93	10	9.84	2550	2.6			
	187	70	7.5	7.48	2330	2.8			
	45	291	20	19.84	3740	0.83	KM0752 MS100L6	KM0752 100B5/B14	100L6
	60	221	15	15.09	3410	0.91			
	72	183	12.5	12.49	3210	1.6			
	91	144	10	9.84	2960	1.7			
	120	110	7.5	7.48	2700	1.8			
	22	580	125	125.95	6010	0.83	KM0903 MS90S2	KM0903 90B5/B14	90S2
	28	457	100	99.22	5550	0.85			
	37	347	75	75.45	5070	0.86			
	45	287	60	62.43	4760	1.7			
	57	226	50	49.18	4390	1.7			
	24	556	60	59.04	5890	0.9	KM0902 MS90L4	KM0902 90B5/B14	90L4
	29	454	50	48.18	5500	1.1			
	35	378	40	40.13	5170	1.3			
	46	285	30	30.24	4710	1.8			
	56	237	25	25.19	4430	2.0			
	71	187	20	19.84	4090	2.0			
	93	142	15	15.09	3730	2.1			
	112	118	12.5	12.49	3510	4.1			
	142	93	10	9.84	3240	4.1			
	187	70	7.5	7.48	2950	4.3			
	30	443	30	30.24	5460	1.1	KM0902 MS100L6	KM0902 100B5/B14	100L6
	36	369	25	25.19	5130	1.3			
	45	291	20	19.84	4740	1.3			
	60	221	15	15.09	4330	1.4			
	72	183	12.5	12.49	4060	2.6			
	91	144	10	9.84	3750	2.6			
	120	110	7.5	7.48	3420	2.7			
	18.3	706	150	153.33	7130	1.1	KM1103 MS90S2	KM1103 90B5/B14	90S2
	22	596	125	129.48	6740	1.3			
	27	477	100	103.64	6260	1.4			
	37	348	75	75.55	5630	1.5			
	44	296	60	64.18	5330	2.5			

性能参数/ PERFORMANCE PARAMETER

P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
1.5	55	237	50	51.37	4950	2.7	KM1103 MS90S2	KM1103 90B5/B14	90S2
	22	591	60	64.18	6720	1.3	KM1103 MS90L4	KM1103 90B5/B14	90L4
	27	473	50	51.37	6240	1.4			
	24	557	60	59.22	6540	1.3	KM1102 MS90L4	KM1102 BKM110B	90L4
	29	460	50	48.86	6130	1.6			
	34	388	40	41.26	5800	1.9			
	46	289	30	30.67	5250	2.6			
	54	244	25	25.90	4960	3.1			
	68	195	20	20.73	4610	3.3			
	93	142	15	15.11	4150	3.7			
	15.2	867	60	59.22	7580	0.86	KM1102 MS100L6	KM1102 100B5/B14	100L6
	18.4	715	50	48.86	7110	1.0			
	22	604	40	41.26	6720	1.2			
	29	449	30	30.67	6090	1.7			
	35	379	25	25.90	5750	2.0			
	43	304	20	20.73	5340	2.1			
	60	221	16	15.11	4810	2.4			
	70	188	12.5	12.84	4550	4.0			
	88	150	10	10.27	4220	4.3			
	120	110	7.5	7.49	3800	4.7			
2.2	46	418	30	30.24	3720	0.84	KM0752 MS100L1–4	KM0752 100B5/B14	100L1–4
	56	348	25	25.19	3500	0.86			
	71	274	20	19.84	3230	0.88			
	93	208	15	15.09	2950	0.96			
	112	172	12.5	12.49	2770	1.7			
	142	136	10	9.84	2550	1.8			
	187	103	7.5	7.48	2330	1.9			
	72	268	12.5	12.49	3210	1.1	KM0752 MS112M6	KM0752 112B5/B14	112M6
	91	211	10	9.84	2960	1.1			
	120	161	7.5	7.48	2700	1.2			
	45	422	60	62.43	4760	1.1	KM0903 MS90L2	KM0903 90B5/B14	90L2
	57	332	50	49.18	4390	1.1			
	35	554	40	40.13	5170	0.87	KM0902 MS100L1–4	KM0902 100B5/B14	100L1–4
	46	418	30	30.24	4710	1.2			
	56	348	25	25.19	4430	1.4			
	71	274	20	19.84	4090	1.4			
	93	208	15	15.09	3730	1.4			
	112	172	12.5	12.49	3510	2.8			
	142	136	10	9.84	3240	2.8			
	187	103	7.5	7.48	2950	2.9			

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P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
2.2	36	541	25	25.19	5130	0.9	KM0902 MS112M6	KM0902 112B5/B14	112M6
	45	426	20	19.84	4740	0.9			
	60	324	15	15.09	4330	0.93			
	72	268	12.5	12.49	4060	1.8			
	91	211	10	9.84	3750	1.8			
	120	161	7.5	7.48	3420	1.9			
	22	874	125	129.48	6740	0.86	KM1103 MS90L2	KM1103 90B5/B14	90L2
	27	700	100	103.64	6260	0.93			
	37	510	75	75.55	5630	1.0			
	44	433	60	64.18	5330	1.7			
	55	347	50	51.37	4950	1.9			
	24	818	60	59.22	6540	0.92	KM1102 MS100L1–4	KM1102 100B5/B14	100L1–4
	29	675	50	48.86	6130	1.1			
	34	570	40	41.26	5800	1.3			
	46	423	30	30.67	5250	1.8			
	54	358	25	25.90	4960	2.1			
	68	286	20	20.73	4610	2.3			
	93	209	15	15.11	4150	2.5			
	109	177	12.5	12.84	3930	4.2			
	136	142	10	10.27	3650	4.6			
	187	103	7.5	7.49	3280	5.0			
	29	659	30	30.67	6090	1.1	KM1102 MS112M6	KM1102 112B5/B14	112M6
	35	556	25	25.90	5750	1.3			
	43	445	20	20.73	5340	1.5			
	60	325	15	15.11	4810	1.6			
	70	276	12.5	12.84	4550	2.7			
	88	221	10	10.27	4220	2.9			
	120	161	7.5	7.49	3800	3.2			
3.0	112	235	12.5	12.49	2770	1.3	KM0752 MS100L2–4	KM0752 100B5/B14	100L2–4
	142	185	10	9.84	2550	1.3			
	187	141	7.5	7.48	2330	1.4			
	46	569	30	30.24	4710	0.9	KM0902 MS100L2–4	KM0902 100B5/B14	100L2–4
	56	474	25	25.19	4430	1.0			
	71	374	20	19.84	4090	1.0			
	93	284	15	15.09	3730	1.1			
	112	235	12.5	12.49	3510	2.0			
	142	185	10	9.84	3240	2.1			
	187	141	7.5	7.48	2950	2.1			
	44	591	60	64.18	5330	1.3	KM1103 MS100L2	KM1103 100B5/B14	100L2
	55	473	50	51.37	4950	1.4			

性能参数/ PERFORMANCE PARAMETER

P_{1n} [KW]	n_2 [r/min]	M_{2max} [Nm]	i 公称 Nominal	i 实际 Actual	F_{r2} [N]	K			
3.0	34	777	40	41.26	5800	0.97	KM1102 MS100L2–4	KM1102 100B5/B14	100L2–4
	46	577	30	30.67	5250	1.3			
	54	488	25	25.90	4960	1.5			
	68	390	20	20.73	4610	1.7			
	93	284	15	15.11	4150	1.8			
	109	242	12.5	12.84	3930	3.1			
	136	193	10	10.27	3650	3.4			
	187	141	7.5	7.49	3280	3.7			
	35	759	25	25.90	5750	1.0	KM1102 MS132S6	KM1102 132B5	132S6
	43	607	20	20.73	5340	1.1			
	60	443	15	15.11	4810	1.2			
	70	376	12.5	12.84	4550	2.0			
	88	301	10	10.27	4220	2.2			
	120	219	7.5	7.49	3800	2.4			
	112	314	12.5	12.49	2770	0.96	KM0752 MS112M4	KM0752 112B5/B14	112M4
	142	247	10	9.84	2550	1.0			
	187	188	7.5	7.48	2330	1.1			
	112	314	12.5	12.49	3510	1.5	KM0902 MS112M4	KM0902 112B5/B14	112M4
	142	247	10	9.84	3240	1.5			
	187	188	7.5	7.48	2950	1.6			
4.0	46	770	30	30.67	5250	1.0	KM1102 MS112M4	KM1102 112B5/B14	112M4
	54	650	25	25.90	4960	1.2			
	68	520	20	20.73	4610	1.2			
	93	379	15	15.11	4150	1.4			
	109	322	12.5	12.84	3930	2.3			
	136	258	10	10.27	3650	2.5			
	187	188	7.5	7.49	3280	2.8			
5.5	68	716	20	20.73	4610	0.9	KM1102 MS132S4	KM1102 132B5	132S4
	93	522	15	15.11	4150	1.0			
	109	443	12.5	12.84	3930	1.7			
	136	354	10	10.27	3650	1.8			
	187	259	7.5	7.49	3280	2.0			

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KM.. HS性能参数 / Performance Parameter n_1=1400r/min

M_{2max} [Nm]	n_2 [r/min]	i 公称 Nominal	i 实际 Actual	P_{1n} [kW]	F_{r2} [N]	F_{r1} [N]	
130	4.8	300	291.79	0.07	4100	400	KM0503..HS
130	5.7	250	244.29	0.09	4100	400	
130	7.0	200	200.44	0.11	4100	400	
130	9.5	150	146.67	0.14	4000	400	
130	11.6	125	120.34	0.18	3770	400	
100	13.9	100	101.04	0.16	3560	400	
80	18.8	75	74.62	0.17	3220	400	
130	22	60	62.36	0.34	3030	400	
100	27	50	52.36	0.31	2860	400	
130	24	60	58.36	0.35	2960	400	KM0502..HS
130	29	50	48.86	0.42	2790	400	
130	35	40	40.09	0.52	2610	400	
130	48	30	29.33	0.71	2350	400	
130	58	25	24.07	0.86	2200	400	
100	69	20	20.21	0.79	2080	400	
80	94	15	14.92	0.85	1880	400	
130	112	12.5	12.47	1.7	1770	400	
100	134	10	10.47	1.5	1670	400	
80	181	7.5	7.73	1.6	1510	400	
200	4.6	300	302.50	0.11	4800	400	KM0633..HS
200	5.7	250	243.57	0.13	4800	400	
180	7.1	200	196.43	0.15	4800	400	
200	9.2	150	151.56	0.21	4650	400	
180	11.5	125	122.22	0.24	4330	400	
150	13.8	100	101.27	0.24	4070	400	
110	19.1	75	73.33	0.24	3650	400	
180	22	60	63.33	0.46	3480	400	
150	27	50	52.48	0.47	3270	400	
200	23	60	60.50	0.53	3430	530	KM0632..HS
200	29	50	48.71	0.65	3190	530	
180	36	40	39.29	0.73	2970	530	
200	46	30	30.31	1.1	2720	530	
180	57	25	24.44	1.2	2530	530	
150	69	20	20.25	1.2	2380	530	
110	95	15	14.67	1.2	2130	530	
180	110	12.5	12.67	2.3	2030	530	
150	133	10	10.50	2.3	1910	530	
110	184	7.5	7.60	2.3	1710	530	

性能参数/ PERFORMANCE PARAMETER

M_{2max} [Nm]	n_2 [r/min]	i 公称 Nominal	i 实际 Actual	P_{1n} [kW]	F_{r2} [N]	F_{r1} [N]	
350	4.7	300	297.21	0.19	6500	560	KM0753..HS
350	5.8	250	240.86	0.24	6500	560	
300	7.0	200	200.66	0.24	6500	560	
350	9.3	150	151.20	0.38	6500	560	
300	11.1	125	125.95	0.39	5980	560	
240	14.1	100	99.22	0.39	5520	560	
200	18.6	75	75.45	0.43	5040	560	
300	22	60	62.43	0.78	4730	560	
240	28	50	49.18	0.79	4370	560	
350	24	60	59.44	0.94	4660	860	KM0752..HS
350	29	50	48.18	1.2	4340	860	
300	35	40	40.13	1.2	4080	860	
350	46	30	30.24	1.8	3720	860	
300	56	25	25.19	1.9	3500	860	
240	71	20	19.84	1.9	3230	860	
200	93	15	15.09	2.1	2950	860	
300	112	12.5	12.49	3.8	2770	860	
240	142	10	9.84	3.9	2550	860	
200	187	7.5	7.48	4.3	2330	860	
500	4.7	300	295.18	0.27	8300	560	KM0903..HS
500	5.8	250	240.89	0.34	8300	560	
480	7.0	200	200.66	0.39	8300	560	
500	9.3	150	151.20	0.54	8050	560	
480	11.1	125	125.95	0.62	7580	560	
380	14.1	100	99.22	0.62	7000	560	
300	18.6	75	75.45	0.65	6390	560	
480	22	60	62.43	1.3	6000	560	
380	28	50	49.18	1.3	5540	560	
500	24	60	59.04	1.3	5890	1260	KM0902..HS
500	29	50	48.18	1.7	5500	1260	
480	35	40	40.13	1.9	5170	1260	
500	46	30	30.24	2.6	4710	1260	
480	56	25	25.19	3.0	4430	1260	
380	71	20	19.84	3.1	4090	1260	
300	93	15	15.09	3.2	3730	1260	
480	112	12.5	12.49	6.1	3510	1260	
380	142	10	9.84	6.2	3240	1260	
300	187	7.5	7.48	6.4	2950	1260	

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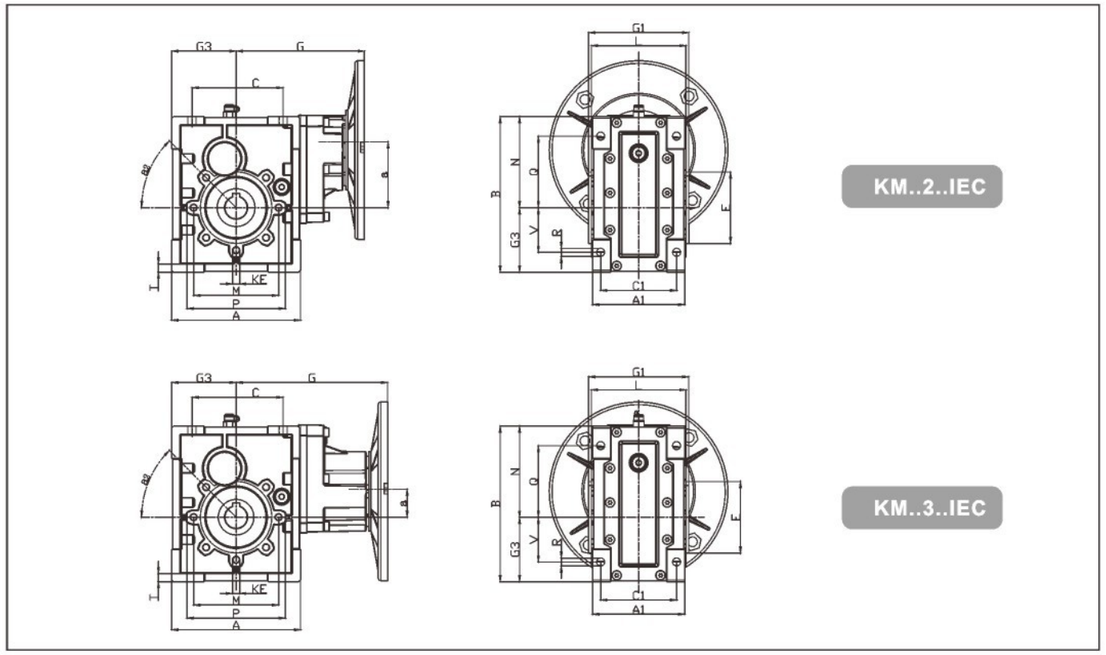
M_{2max} [Nm]	n_2 [r/min]	i 公称 Nominal	i 实际 Actual	P_{1n} [kW]	F_{r2} [N]	F_{r1} [N]	
750	4.7	300	296.10	0.40	10000	740	KM1103..HS
750	5.7	250	244.29	0.50	10000	740	
750	6.8	200	206.29	0.59	9920	740	
750	9.1	150	153.33	0.80	8980	740	
750	10.8	125	129.48	0.94	8490	740	
650	13.5	100	103.64	1.0	7880	740	
520	18.5	75	75.55	1.1	7090	740	
750	22	60	64.18	1.9	6720	740	
650	27	50	51.37	2.1	6240	740	
750	24	60	59.22	2.0	6540	1490	KM1102..HS
750	29	50	48.86	2.4	6130	1490	
750	34	40	41.26	2.9	5800	1490	
750	46	30	30.67	3.9	5250	1490	
750	54	25	25.90	4.6	4960	1490	
650	68	20	20.73	5.0	4610	1490	
520	93	15	15.11	5.5	4150	1490	
750	109	12.5	12.84	9.3	3930	1490	
650	136	10	10.27	10.1	3650	1490	
520	187	7.5	7.49	11.1	3280	1490	

外形尺寸图表 / OUTLINE DIMENSION SHEET

● KM..IEC外形尺寸 / Outline Dimension



KM	C	A	B	G	G_3	a	C_1	KE	a_2	L	G_1	M	E_{h8}	A_1	R	P	Q	N	T	V	kg
0502	80	120	155	132.5	60	57	70	4-M8*12	45°	87	92	85	70	85	8.5	100	75	95	7	40	4.5
0503	80	120	155	148	60	21.5	70	4-M8*12	45°	87	92	85	70	85	8.5	100	75	95	7	40	5
0632	100	144	174	143.5	72	64.5	85	7-M8*14	45°	106	112	95	80	103	8.5	110	80	102	9	50	6.3
0633	100	144	174	169	72	29	85	7-M8*14	45°	106	112	95	80	103	8.5	110	80	102	9	50	7
0752	120	172	205	174	86	74.5	90	7-M8*16	45°	114	120	115	95	112	11	140	93	119	10	60	9.9
0753	120	172	205	203	86	30.5	90	7-M8*16	45°	114	120	115	95	112	11	140	93	119	10	60	10.9
0902	140	206	238	192	103	88	100	7-M10*22	45°	134	140	130	110	130	13	160	102	135	11	70	13.9
0903	140	206	238	220	103	44	100	7-M10*22	45°	134	140	130	110	130	13	160	102	135	11	70	14.9
1102	170	255	295	241.5	127.5	108	115	7-M10*25	45°	148	155	165	130	144	14	185	125	167.5	16	85	28
1103	170	255	295	271.5	127.5	52	155	7-M10*25	45°	148	155	165	130	144	14	185	125	167.5	16	85	30

注：重量（kg）不包含电机的重量。
Note: Weight(kg) without the weight of motor.

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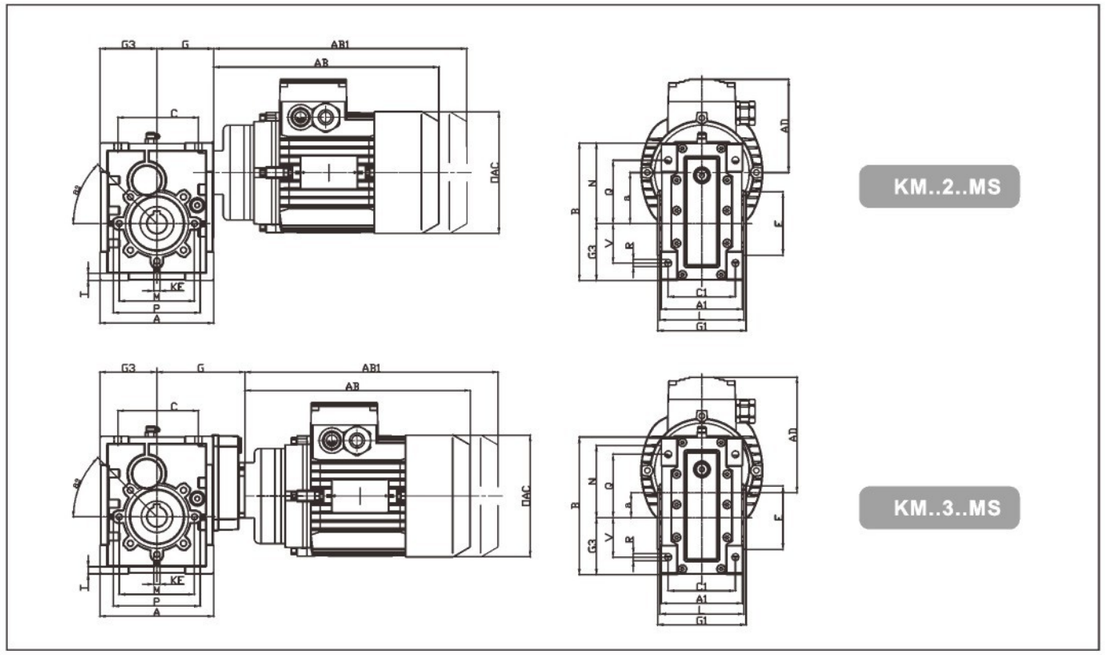
● KM..MS..外形尺寸 / Outline Dimension

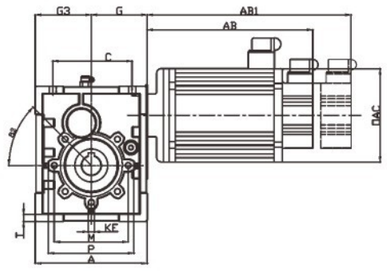


KM	C	A	B	G	G_3	a	C_1	KE	a_2	L	G_1	M	E_{h8}	A_1	R	P	Q	N	T	V
0502	80	120	155	61	60	57	70	4-M8*12	45°	87	92	85	70	85	8.5	100	75	95	7	40
0503	80	120	155	95	60	21.5	70	4-M8*12	45°	87	92	85	70	85	8.5	100	75	95	7	40
0632	100	144	174	72	72	64.5	85	7-M8*14	45°	106	112	95	80	103	8.5	110	80	102	9	50
0633	100	144	174	106	72	29	85	7-M8*14	45°	106	112	95	80	103	8.5	110	80	102	9	50
0752	120	172	205	87	86	74.5	90	7-M8*16	45°	114	120	115	95	112	11	140	93	119	10	60
0753	120	172	205	126	86	30.5	90	7-M8*16	45°	114	120	115	95	112	11	140	93	119	10	60
0902	140	206	238	104	103	88	100	7-M10*22	45°	134	140	130	110	130	13	160	102	135	11	70
0903	140	206	238	143	103	44	100	7-M10*22	45°	134	140	130	110	130	13	160	102	135	11	70
1102	170	255	295	127.5	127.5	108	115	7-M10*25	45°	148	155	165	130	144	14	185	125	167.5	16	85
1103	170	255	295	177.5	127.5	52	155	7-M10*25	45°	148	155	165	130	144	14	185	125	167.5	16	85

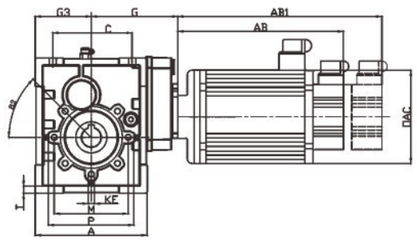
MS..	63	71	80	90S	90L	100	112	132
AB	211	226	261	285	295	355	373	424
AB1	266	290	354	370	380	440	453	504
AC	120	130	145	160	160	185	200	245
AD	104	109	110	115	115	140	158	178

外形尺寸图表 / OUTLINE DIMENSION SHEET

● KM..STM..外形尺寸 / Outline Dimension



KM..2..STM..



KM..3..STM..

STM	AC	AD	M006		M013		M020		M024		M035		M040		M050		M060		M077	
			AB	AB1	AB	AB1	AB	AB1	AB	AB1	AB	AB1	AB	AB1	AB	AB1	AB	AB1	AB	AB1
60	60	76	142	190	167	215	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80	80	86	-	-	154	194	-	-	181	221	209	249	221	261	-	-	-	-	-	-
90	86.6	89.3	-	-	-	-	-	-	180	228	202	250	212	260	-	-	-	-	-	-
110	110	103	-	-	-	-	159	263	-	-	-	-	222	274	234	308	242	274	-	-
130	130	113	-	-	-	-	-	-	-	-	-	-	196	253	201	258	209	266	222	279
150	150	123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
180	180	138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

STM	M100		M150		M172		M180		M190		M215		M230		M270		M350		M480	
	AB	AB1	AB	AB1	AB	AB1	AB	AB1	AB	AB1	AB	AB1	AB	AB1	AB	AB1	AB	AB1	AB	AB1
130	234	286	271	352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150	-	-	260	333	-	-	278	351	-	-	-	-	308	381	332	405	308	381	332	405
180	-	-	-	-	256	328	-	-	252	334	273	345	-	-	292	364	322	394	376	448

AB：不带抱闸/without brake　AB1：带抱闸/with brake　M006：伺服电机的扭矩（0.6Nm）/servo motor（0.6Nm）
注：其余尺寸参考 KM..MS..外形尺寸　Note：The remaining size refer KM..MS..outline dimension

TAIGONG 泰工减速机
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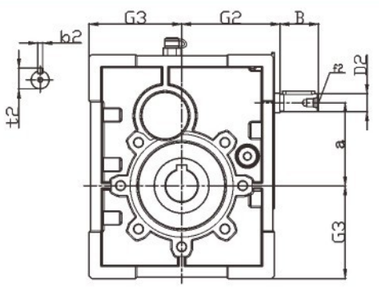
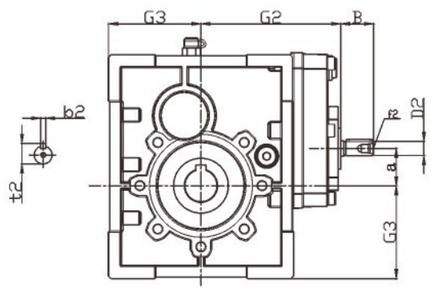
KM SERIES HELICAL-HYPOID GEAR UNITS

● KM..HS外形尺寸 / Outline Dimension



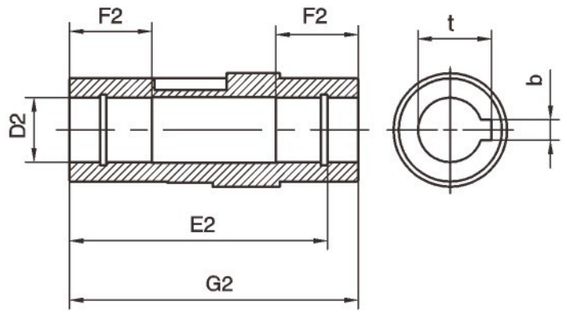
KM..2..HS



KM..3..HS

KM	B	D_{2J6}	G_2	G_3	a	b_2	t_2	f_2
0502	23	11	65	60	57	4	12.5	-
0503	23	11	100	60	21.5	4	12.5	-
0632	30	14	76	72	64.5	5	16	M6
0633	23	11	111	72	29	4	12.5	-
0752	40	16	91	86	74.5	5	18	M6
0753	30	14	132	86	30.5	5	16	M6
0902	40	19	107	103	88	6	21.5	M6
0903	30	14	146	103	44	5	16	M6
1102	50	24	132	127.5	108	8	27	M6
1103	40	19	181	127.5	52	6	21.5	M6

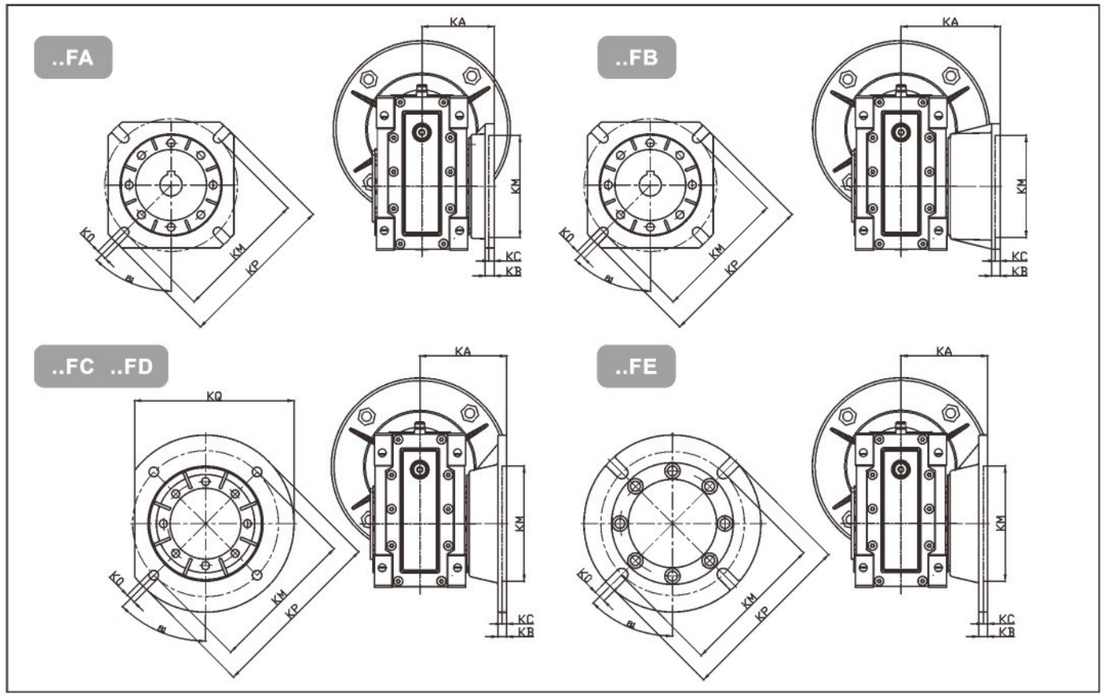
● KM..空心输出轴尺寸 / Hollow Output Shaft Dimension



KM	S	E	G1	D_{h8}	b	t
050	30	77	92	20	6	22.8
				24	8	27.3
063	36	97	112	25	8	28.3
				28	8	31.3
075	40	105	120	28	8	31.3
				30	8	33.3
				35	10	38.3
090	45	122	140	35	10	38.3
				38	10	41.3
110	50	131	155	40	12	43.3
				42	12	45.3

连接尺寸图表 / GONNECTING DIMENSION SHEET

● KM..F输出法兰尺寸 / Output Flage Dimension



KM	FA								
	a1	KA	KB	KC	KM	KN_{H8}	KO	KP	KQ
050	45	90	9	5	85	70	11(N=4)	125	110
063	45	82	10	6	150	115	11(N=4)	180	142
075	45	111	13	6	165	130	14(N=4)	200	170
090	45	111	13	6	175	152	14(N=4)	210	200
110	45	139	15	6	230	170	14(N=8)	280	260

KM	FB								
	a1	KA	KB	KC	KM	KN_{H8}	KO	KP	KQ
050	45	120	9	5	85	70	11(N=4)	125	110
063	45	112	10	6	150	115	11(N=4)	180	142
075	45	90	13	6	130	110	14(N=4)	160	–
090	45	122	18	6	215	180	14(N=4)	250	–
110	–	–	–	–	–	–	–	–	–

KM	FC								
	a1	KA	KB	KC	KM	KN_{H8}	KO	KP	KQ
050	45	80	10	5	130	110	9(N=4)	160	–
063	45	98	10	5	165	130	11(N=4)	200	–
090	45	110	17	6	165	130	11(N=4)	200	–

KM	FD								
	a1	KA	KB	KC	KM	KN_{H8}	KO	KP	KQ
050	45	72	14.5	5	115	95	11(N=4)	140	–
063	45	107	10	5	165	130	11(N=4)	200	–
090	45	151	13	6	175	152	14(N=4)	210	–

KM	FE								
	a1	KA	KB	KC	KM	KN_{H8}	KO	KP	KQ
050	–	–	–	–	–	–	–	–	–
063	45	80.5	16.5	5	130	110	11(N=4)	160	–
090	–	–	–	–	–	–	–	–	–

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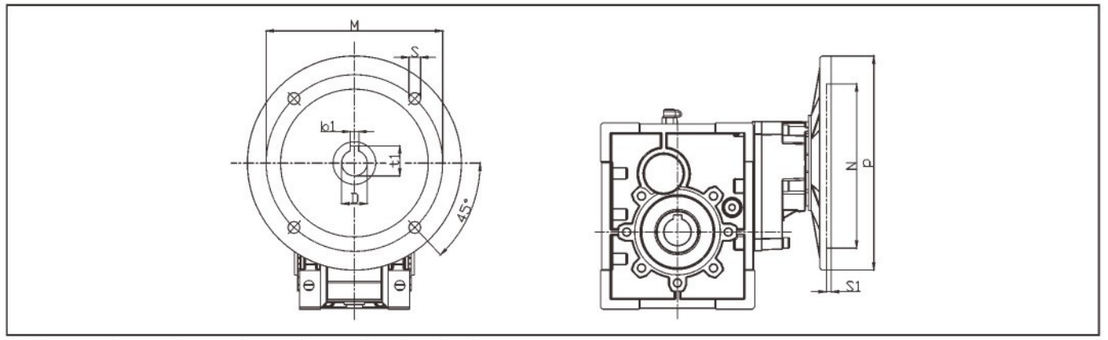
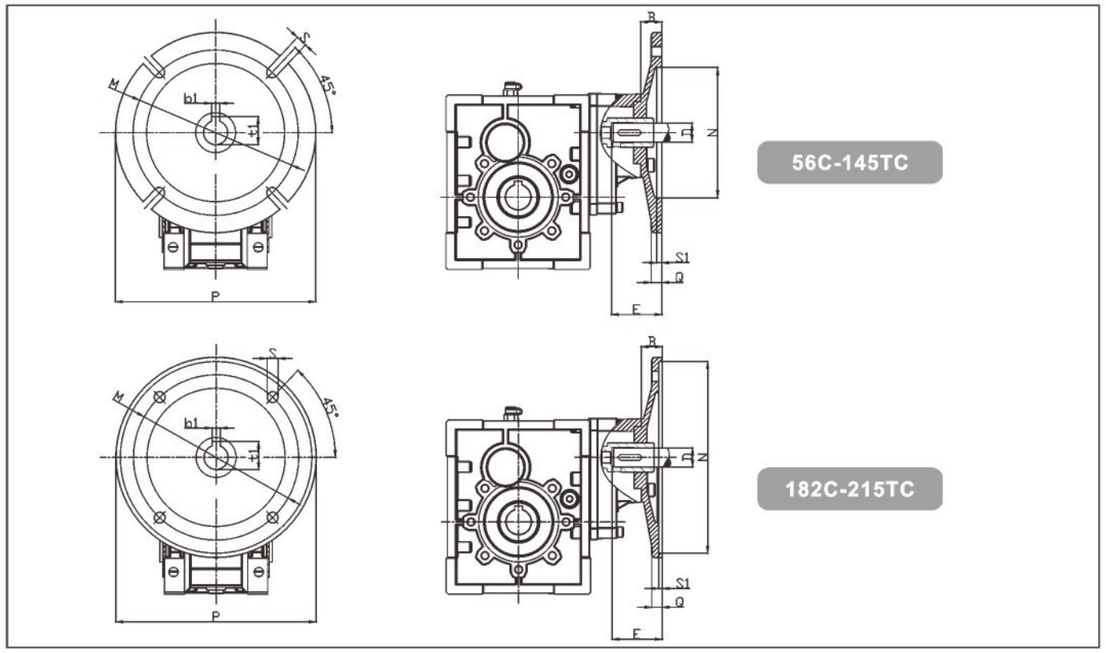
● KM..IEC..输出法兰尺寸 / Output Flage Dimension



KM	PAM-IEC	N		M		P		S		b1	t1	S1	i(速比/ratio)																			
													7.5	10	12.5	15	20	25	30	40	50	60	50	60	75	100	125	150	200	250	300
													D																			
													B										C									
		B5	B14	B5	B14	B5	B14	B5	B14																							
050	63B5	95	–	115	–	140	–	9	–	4	12.8	5	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
	71B5/B14	110	70	130	85	160	105	9	7	5	16.3	5	14	14	14	14	14	14	14	14	14	14	14	14	14	14	–	–	–	–	–	–
	80B5/B14	130	80	165	100	200	120	11	7	6	21.8	5	19	19	19	19	19	19	19	19	19	–	–	–	–	–	–	–	–	–	–	–
	90B5/B14	130	95	165	115	200	140	11	9	8	27.3	5	24	24	24	24	24	24	24	–	–	–	–	–	–	–	–	–	–	–	–	–
063	63B5	95	–	115	–	140	–	9	–	4	12.8	5	–	–	–	–	–	–	11	11	11	11	11	11	11	11	11	11	11	11	11	11
	71B5/B14	110	70	130	85	160	105	9	7	5	16.3	5	–	–	–	14	14	14	14	14	14	14	14	14	14	14	–	–	–	–	–	–
	80B5/B14	130	80	165	100	200	120	11	7	6	21.8	5	19	19	19	19	19	19	19	19	19	19	–	–	–	–	–	–	–	–	–	–
	90B5/B14	130	95	165	115	200	140	11	9	8	27.3	5	24	24	24	24	24	24	24	24	24	–	–	–	–	–	–	–	–	–	–	–	–
075	63B5	95	–	115	–	140	–	9	–	4	12.8	5	–	–	–	–	–	–	–	–	–	–	11	11	11	11	11	11	11	11	11	11
	71B5	110	–	130	–	160	–	9	7	5	16.3	5	–	–	–	–	–	–	–	14	14	14	14	14	14	14	14	14	14	14	14	14
	80B5/B14	130	80	165	100	200	120	11	7	6	21.8	5	–	–	–	19	19	19	19	19	19	19	19	19	19	19	19	–	–	–	–	–	–
	90B5/B14	130	95	165	115	200	140	11	9	8	27.3	5	24	24	24	24	24	24	24	24	24	24	24	–	–	–	–	–	–	–	–	–	–
	100B5/B14	180	110	215	130	250	160	13	9	8	31.3	5.5	28	28	28	28	28	28	28	28	28	–	–	–	–	–	–	–	–	–	–	–	–
	112B5/B14	180	110	215	130	250	160	13	9	8	31.3	5.5	28	28	28	28	28	28	28	–	–	–	–	–	–	–	–	–	–	–	–	–	–
090	63B5	95	–	115	–	140	–	9	–	4	12.8	5	–	–	–	–	–	–	–	–	–	–	–	11	11	11	11	11	11	11	11	11
	71B5	110	–	130	–	160	–	9	7	5	16.3	5	–	–	–	–	–	–	–	–	–	14	14	14	14	14	14	14	14	14	14	14
	80B5/B14	130	80	165	100	200	120	11	7	6	21.8	5	–	–	–	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	–
	90B5/B14	130	95	165	115	200	140	11	9	8	27.3	5	24	24	24	24	24	24	24	24	24	24	24	–	–	–	–	–	–	–	–	–	–
	100B5/B14	180	110	215	130	250	160	13	9	8	31.3	5.5	28	28	28	28	28	28	28	28	28	28	–	–	–	–	–	–	–	–	–	–
	112B5/B14	180	110	215	130	250	160	13	9	8	31.3	5.5	28	28	28	28	28	28	28	–	–	–	–	–	–	–	–	–	–	–	–	–	–
110	71B5	110	–	130	–	160	–	9	7	5	16.3	6	–	–	–	–	–	–	–	–	–	–	–	14	14	14	14	14	14	14	14	14
	80B5	130	–	165	–	200	–	11	7	6	21.8	6	–	–	–	–	–	–	–	19	19	19	19	19	19	19	19	19	19	19	19	19
	90B5	130	–	165	–	200	–	11	9	8	27.3	6	–	–	–	24	24	24	24	24	24	24	24	24	24	24	24	–	–	–	–	–	–
	100B5/B14	180	110	215	130	250	160	13	9	8	31.3	6	28	28	28	28	28	28	28	28	28	28	28	–	–	–	–	–	–	–	–	–	–
	112B5/B14	180	110	215	130	250	160	13	9	8	31.3	6	28	28	28	28	28	28	28	28	28	28	28	–	–	–	–	–	–	–	–	–	–
	132B5	230	–	265	–	300	–	13	–	10	41.3	6	38	38	38	38	38	38	38	38	38	–	–	–	–	–	–	–	–	–	–	–

连接尺寸图表 / GONNECTING DIMENSION SHEET

● **KM..F..输出法兰尺寸 / Output Flage Dimension**



KM	NEMA Flange	B	D	E	b1	t1	M	N	P	Q	S	S1
050	56C	1.15	0.625	2.06	0.188	0.713	5.875	4.5	6.5	0.433	0.413	0.177
063	56C	1.22	0.625	2.06	0.188	0.713	5.875	4.5	6.5	0.433	0.413	0.177
	143TC	1.22	0.875	2.12	0.188	0.963	5.875	4.5	6.5	0.433	0.413	0.177
	145TC											
075 090	56C	1.50	0.625	2.06	0.188	0.713	5.875	4.5	6.5	0.433	0.413	0.177
	143TC	1.50	0.875	2.12	0.188	0.963	5.875	4.5	6.5	0.433	0.413	0.177
	145TC											
	182TC	1.50	1.126	2.62	0.250	1.240	7.250	8.5	9.0	0.472	0.551	0.197
	184TC											
110	56C	1.89	0.625	2.06	0.188	0.713	5.875	4.5	6.5	0.433	0.413	0.177
	143TC	1.89	0.875	2.12	0.188	0.983	5.875	4.5	6.5	0.433	0.413	0.177
	145TC											
	182TC	1.89	1.125	2.62	0.250	1.240	7.250	8.5	9.0	0.472	0.551	0.197
	184TC											
	213TC	1.89	1.375	3.12	0.312	1.517	7.250	8.5	9.0	0.472	0.551	0.197
	215TC											

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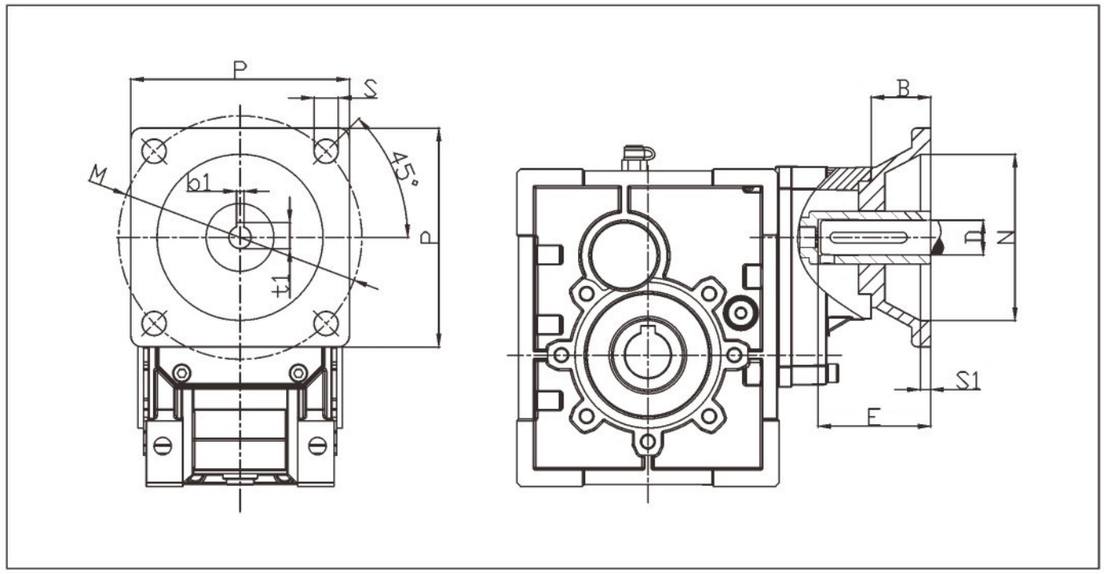
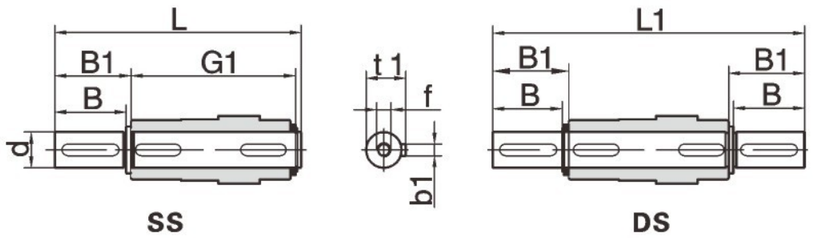
● **KM..ST..伺服电机输入法兰尺寸/Servo Motor Input Flage Dimension**



KM	P	B	D_{h7}	E	b1	t1	M	N	S	S1
050	60	35	14	30	5	16.3	70	50	5.5	4
	80	28	19	35	6	21.8	90	70	6	5
	90	30	16	35	5	18.3	100	80	6.5	5
	110	26	19	55	6	21.8	130	95	9	6
	130	32	22	57	6	24.8	145	110	9	6
063	60	40	14	30	5	16.3	70	50	5.5	4
	80	21	19	35	6	21.8	90	70	6	5
	90	21	16	35	5	18.3	100	80	6.5	5
	110	46	19	55	6	21.8	130	95	9	6
	130	40	22	57	6	24.8	145	110	9	6
075	110	47	19	55	6	21.8	130	95	9	6
	130	40	22	57	6	24.8	145	110	9	6
	150	38	28	58	8	31.3	165	130	11	6
090	110	47	19	55	6	21.8	130	95	9	6
	130	40	22	57	6	24.8	145	110	9	6
	150	38	28	58	8	31.3	165	130	11	6
110	130	38	22	57	6	24.8	145	110	9	6
	150	38	28	58	8	31.3	165	130	11	6
	180	38	35	65	10	38.3	200	114.3	13.5	6

附件尺寸图表 / ACCESSORIES OUTLINE DIMENSION SHEET

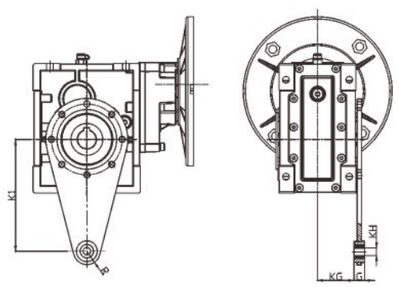
输出轴 / Output Shafts



SS　　DS

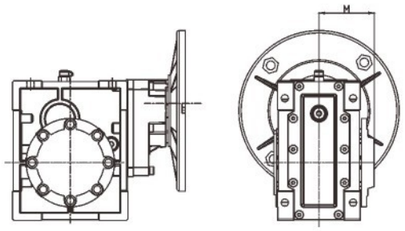
KM	d_{h6}	B	B1	G1	L	L1	f	b1	t1
050	25	50	53.5	92	153	199	M10*27	8	28
063	25	50	53.5	112	173	219	M10*27	8	28
075	28	60	63.5	120	192	247	M10*27	8	31
090	35	80	84.5	140	234	309	M12*34	10	38
110	42	80	84.5	155	249	324	M16*42	12	45

扭力臂/Torque Arm



KM	K1	G	K1	KH	R
050	100	14	38.5	10	18
063	150	14	49	10	18
075	200	25	47.5	20	30
090	200	25	57.5	20	30
110	250	30	62	25	35

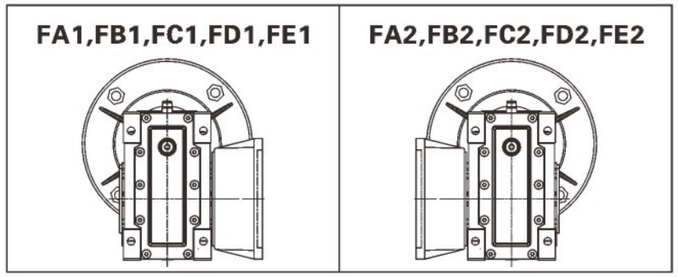
防尘盖/Cover



KM	M
050	58
063	69
075	74
090	86
110	94

安装方位图 / INSTALLATION POSITIONS DIAGRAM

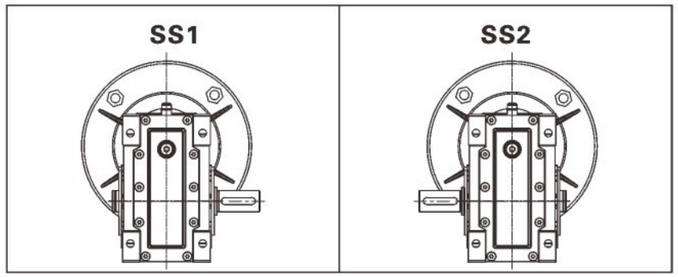
输出法兰位置 / Position diagram for output flange



如果没有特殊要求，一般按出厂标准位置如图F..1方式和B3位置提供。

Unless specified otherwise.the gear units is supplied with the flange in pos.F..1 referred to position B3.

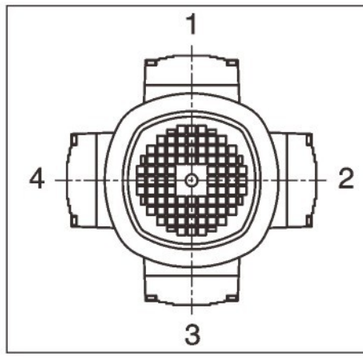
单向输出轴位置/Position diagram for single output shaft



如果没有特殊要求，一般按出厂标准位置如图SS1方式和B3位置提供。

Unless specified otherwise.the gear units is supplied with the flange in pos.SS1 referred to position B3.

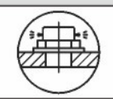
电机连接盒方位/Position of motor terminal box



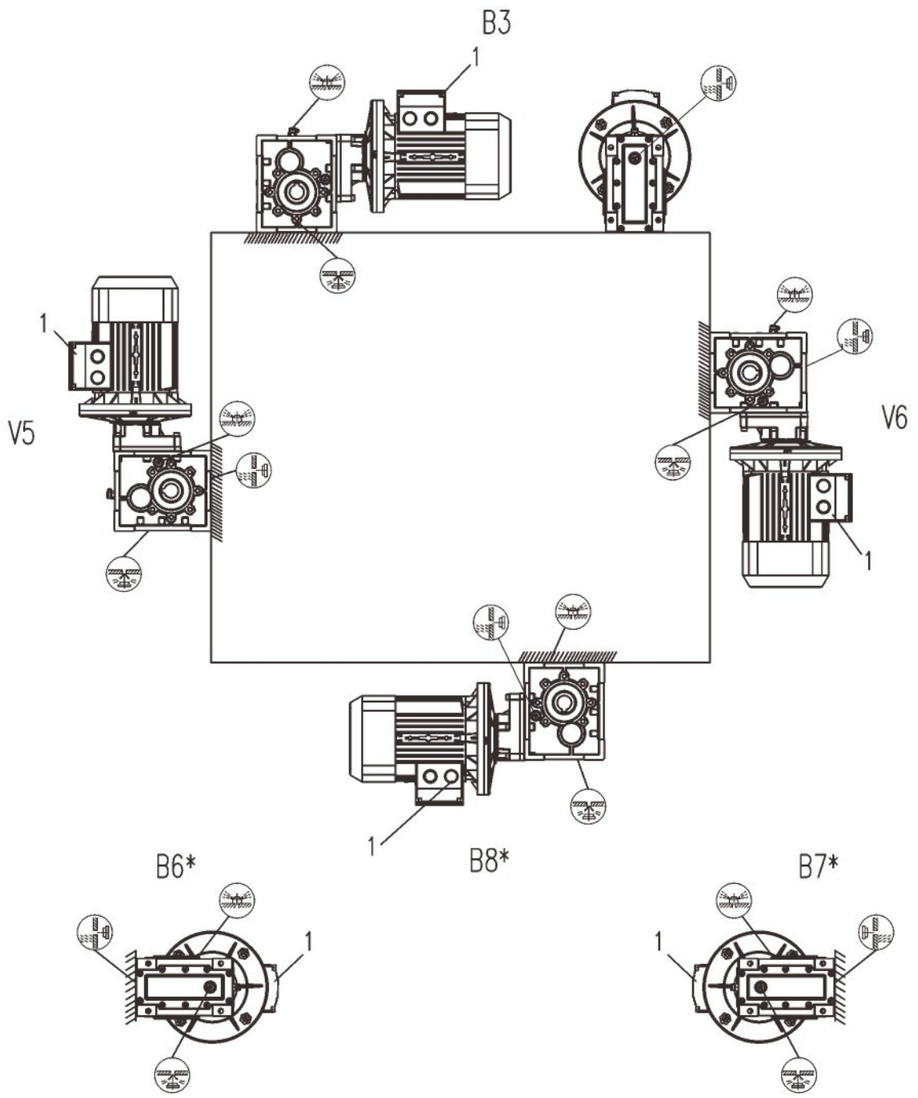
如对接线盒位置有特殊要求，请在下单时如图所示来指定接线盒安装方位。

In the case of specific requirement, whenordering, specify the position of the terminal box as shown in the diagram.

符号释义/Symbols Used

符号/Symbols	含义/Meaning
	排气阀 Breather valve
	油位塞 Oil level plug
	放油塞 Oil drain plug

KM..安装方位 / Mounting Position



*表示在此安装方式，不能仅凭油位塞加注润滑油，油位需高出油位塞，加注量按表内所示。
It means the lubricant can't be added according to the oil level line plug, but also higher the plug to fill quantity as shown in the table.

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KM SERIES HELICAL-HYPOID GEAR UNITS

安装 / INSTALLATION

注意事项 / Note Recommendations

安装减速器时要注意以下一些事项:
- 减速器与机械设备装配之前，要检查减速器输出轴的旋转方向是否正确；
- 减速器与原动机、设备装配之前，应检查各轴径、孔径、键和键槽的偏差尺寸，避免装配过紧、过松影响减速器性能；
- 减速器必须牢固地安装在机械设备上，避免有松动或振动；
- 尽可能地避免减速器暴露在烈日阳光下和恶劣的环境中；
- 如果减速器存放时间长达4–6个月，应检查油封是否浸润在润滑油中，可能油封唇口会粘在轴上，甚至失去了弹性，由于适当的弹性是油封必须的工作条件，所以推荐更换油封；
- 所有橡胶件和透气孔不能沾有油漆；
- 与减速器的空心轴或实心轴配合连接时，应在轴上配合部分涂上润滑油，以免卡死或氧化；
- 使用时必须检查油位（如油位镜孔或打开油塞，小型号是没有的）；
- 使用新减速器时，不能满负载起动，应该逐步增大负载；
- 使用各类电机直接联型减速器时，若电机重量偏大，应设用支撑装置；
- 确保电机风扇附近有良好的通风环境，以免影响散热效果；
- 减速器的标准工作环境温度是–5℃至40℃，如果不在这范围时，请与我们技术服务人员联系。

To instal the reduction unit it is necessary to note the following recommendations:
- Check the correct direction of rotation of the reduction unit output shaft before fitting the unit to the machine.
- Before mount with the prime mover and device, please check the reducer's every axial diameter, aperture, key and key slot, to be sure their dimensions are not deviation, and avoid assembling too tight or too loose, unless it will influence the reducer's performance.
- The mounting on the machine must be stable to avoid any vibration.
- Whenever possible, protect the reduction unit against solar radiation and bad weather.
- In the case of particularly lengthy periods of storage (4–6 months), if the oil seal is not immersed in the lubricant inside the unit, it is recommended to change it since the rubber could stick to the shaft or may even have lost the elasticity it needs to function properly.
- Painting must definitely not go over rubber parts and the holes on the breather plugs, if any.
- When connect with hollow or solid shaft, please grease the joint to avoid lock or oxidation.
- Check the correct level of the lubricant through the indicator, if there is one.
- Starting must take place gradually, without immediately applying the maximum load.
- Supporting unit is required when using various of reducer matched with motor directly and the weight of motor is a little bigger than common.
- Ensure the motor cools correctly by assuring good passage of air from the fan side.
- In the case of ambient temperatures < –5℃ or > +40℃ call the Techical Service.

使用限制 / Critical applications

当遇到下列应用情况时，如有必要请与我们技术服务人员联系：

- 在原有上提高转速时；
- 应用在惯性特别大的设备上时；
- 当减速器出现故障有可能会对操作者造成危害时；
- 应用在减速器过度疲劳状态时；
- 工作环境温度低于–5℃或高于40℃时；
- 在化学腐蚀环境中使用时；
- 在盐性环境中使用时；
- 在辐射性高的环境中使用时；
- 在环境气压不在正常大气压力使用时；
- 安装方位在样本中没有提到时。

避免把减速器部分或整台浸入水里或其它液体中。

减速器承受的最大负载扭矩不能超过两倍于性能参数中规定的正常扭矩（当使用系数fs=1时）；这里最大负载扭矩是指能承受瞬间短暂的过载，它出现在过载启动、刹车、振动或其它动态操作环境中。

The perfomance given in the catalogue correspond to mounting position B3 or similar, when the first stage is not entirely immersed in oil. For other mounting positions and/of particular input speeds, refer to the tables that highlight different critical situations for each size of reduction unit. It is also necessary to take due consideration of and carefully assess the follwing applications by calling our technical service:

- As a speed increasing.
- Applications with especially nigh inertia.
- Use in services that could be hazardous for people if the reduction unit fails.
- Applications with high dynamic strain on the case of the reduction unit.
- In places with To under –5 °C or over 40 °C.
- Use in chemically aggressive environments.
- Use in a salty environment.
- Use in radioactive environments.
- Use in environments pressures other than atmospheric pressure.
- Mounting positions not envisaged in the catalogue.

Avoid applications where even partial immersion of the reduction unit is required.
The maximum torque that the gear reducer can support must not exceed two times the nominal torque (fs=1) stated in the performance tables. Intended for momentary overloads due to starting at full load, braking, shocks or other causes, particularly those that are dynamic.

润滑油 / LUBRICATION

润滑油型号 / Types of lubrication

	℃ -50 0 +50 +100	ISO	SHELL	Mobil MOBIL	bp BP	润滑油类型 lubrication type
KM..	标准 Standard -10 +40	VG 220	Shell Omala 220	Mobil gear 630	BP Energol GR–XP 220	矿物油 Mineral oil
	-20 +25	VG 150 VG 100	Shell Omala 100	Mobil gear 627	BP Energol GR–XP 100	
	-30 +10	VG 68–46 VG 32	Shell Tellus T 32	Mobil D.T.E. 13M		
	-40 -20	VG 22 VG 15	Shell Tellus T 15	Mobil D.T.E. 11M	BP Energol HLP–HM 15	
	-40 +80	VG 220	Shell Omala HD 220	Mobil SHC 630		合成油 Synthetic oil
	-40 +40	VG 150		Mobil SHC 629		
	-40 +10	VG 32		Mobil SHC 624		

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KM系列斜齿-准双曲面齿轮减速器
KM SERIES HELICAL-HYPOID GEAR UNITS

润滑油的加注量 / Lubrication fill quantity

规定的加注量为参考值。精确的变化与级数和传动比有关。请你在加注润滑油时一定要注意油为螺栓所指示的精确油量。后期调整安装方式时，你必须根据改变后的安装方式相应调整加注润滑剂。

下表中列出了不同的安装方式(B3、B6、B7.....)的减速器相应的标准参考润滑注入量值。

The specified fill quantities are recommended values. The precise values vary depending on the number of stages and gear ratio. When filling, it is essential to check the oil level plug since it indicates the precise oil capacity.

The following tables show guide values for lubricant fill quantities in relation to the mounting position (B3, B6, B7.....)

KM..润滑油的加注量 / Lubrication fill quantity

减速器型号 Gear Units	加注量Fill quantity in liters(升/L)					
	B3	B6	B7	B8	V5	V6
KM0502	0.22	0.20*	0.13*	0.15	0.25	0.14
KM0503#	0.08	0.05	0.05	0.06	0.09	0.10
KM0632	0.42	0.35*	0.24*	0.22	0.46	0.25
KM0633#	0.07	0.05	0.05	0.06	0.09	0.10
KM0752	0.70	0.58*	0.42*	0.42	0.75	0.45
KM0753#	0.15	0.11	0.11	0.11	0.17	0.50
KM0902	1.21	0.95*	0.72*	0.67	1.30	0.74
KM0903#	0.15	0.11	0.11	0.11	0.17	0.20
KM1102	2.15	1.70*	1.10*	1.25	2.20	1.20
KM1103#	0.25	0.17	0.17	0.20	0.32	0.36

#:采用3级传动减速器时，各自加注3级箱体和2级箱体的润滑油，润滑油互不相通，表中的加注量为3级箱体润滑油加注量。
#: Means the oil quantity in the 3rd stage housing, as this one is separated from the 2nd housing, please fill them separately while in 3 stages.
*:表示在此安装方式，不能仅凭油位塞加注润滑油，油位需高出油位塞，加润量按表中所示。
*: It means the lubricat can't be according to the oil level line plug, but also highter the plug the fill quantity sa shown in the table.

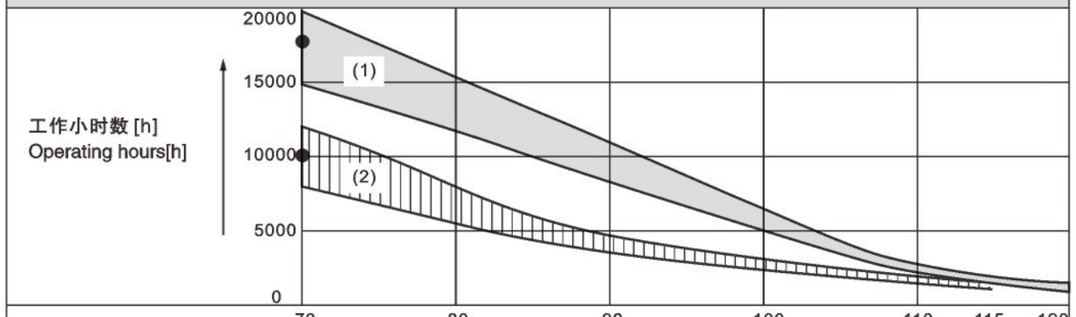
维护 / MAINTENANCE

– 对于齿轮箱，首次换油必须在大约300小时（齿轮磨合期）后进行，在换油时应使用合适的清洗剂小心地冲洗齿轮箱，不得将矿物油和合成油混合。
– 每3000工作小时，最低程度半年，应检测油以及油位，油封密封不严引起滴落的常规检测，若是IEC输入的减速器，则检测检查弹性体，必要时进行更换。
– 根据不同的工作条件（见下图）而定，最长每三年检测一次，更换矿物油，更换轴承润滑油脂。
– 根据不同的工作条件而定，更换输出轴上的油封。
– 产品出现故障时，不要拆卸部件，与本公司售后服务部门联系（需提供减速器规格、出厂日期、编号、已使用时间、主机名称、主机生产单位和故障类型）后，再采取合理的措施。

– For gear units, first oil change should be after about 300 hours (run–in period). The right lotion is required to clean the gear units with care. Never mix the synthetic oil and mineral oil together.
– Every 3000 working time, at least every 6months, you have to check the oil and oil level, the seals visually for leakage. For IEC imput gear units, the elastomer should be tested or replaced if necessary.
– Depending on the operating conditions (see chart below), every 3 years at the latest for inspection is needed. Then change the mineral oil and replace the bearing grease.

- Depending on the operating conditions, change the oil seals on output shaft.
- Once the malfunctions appear, stop disassembling the parts, and firstly please contact the customer service (the information about specification, delivery date, series number, time used, name of machine, machine manufacturer, malfunction problems is required), then take the reasonable measures.

适用于正常环境下标准减速器的更换时间间隔
Oil change intervals for standard gear units under normal environmental conditions



每种机油类型的平均值为70° C
Average value per oil type at 70° C

(1)合成油Synthetic oil
(2)矿物油Mineral oil

存放 / STORAGE

- 有顶棚，防雨雪，无振动。
- 在设备和地面之间垫放木块或其他材料。
- 开箱后暂不使用的齿轮减速器在其加工表面涂上防锈油，并应及时放回包装箱内。
- 在定期检查的情况下，两年以及更长时间。在进行检查时，应检查清洁度和机械损伤，检查防锈层是否完好。
- Under roof, protected against rain and snow, no shock loads.
- Underlay the block and other material between the ground and equipment.
- The opened but not used gear units should be added with the anti–corrosive oil on its surface, and then return to the packing containers timely.
- Two years or more given regular inspections. Check for cleanliness and mechanical damage as part of the inspection, Check corrosion protection.

订货须知 / NOTICE FOR ORDER

减速器定单请向我们提供以下信息：

- 减速器型号标记（减速器类型、速比、功率和安装方式）。
- 减速器表面喷涂颜色，一般按银白色提供。
- 订货数量。
- 其他特殊要求。
- 单位名称和联系人，联系电话。

Please offer the following information when place the orders:

- The model mark of the gear units (type, ratio power and mounting position).
- Generally the gear units paint in silver.
- Quantity ordered.
- Other special requirements.
- Company, contact and telephone.

TAIGONG 泰工减速机
KM系列斜齿-准双曲面齿轮减速器
KM SERIES HELICAL-HYPOID GEAR UNITS

运转故障 / MULFUNCTIONS

故障 Problem	可能的原因 Possible cause	解决方法 Remedy
异常、均匀的运转噪声 Unusual，regular running noise	A. 滚动/碾压噪声：轴承损坏 B. 冲击型噪声：齿轮啮合不均匀 A. Meshing/grinding noise: Bearing damage. B. Knocking noise: Irregularity in the gearing	A.检测润滑油，更换轴承 B.请向客户服务部咨询 A.Check the oil，change bearings B.Contact customer service
异常、不均匀的运转噪声 Unusual，irregular running noise	机油中有异物 Foreign bodies in the oil	·检测润滑 ·停止运转传动装置，向客户服务部咨询 ·Check the oil ·Stop the drive，contact customer service
机油泄漏 1） ·在减速机盖上 ·在电机凸缘上 ·在电机轴密封圈上 ·在减速机凸缘上 ·在输出端轴密封圈上 Oil leaking 1） ·From the gear cover plate ·From the motor flange ·From the motor oil seal ·From the gear unit flange ·From the output end oil sea	A. 减速机底座上的橡胶密封发生渗漏 B. 密封圈损坏 C. 减速机没有排气 A. Rubber seal on the gear cover plate leaking B. Seal defective C. Gear unit not vented	A.拧紧各个外盖上的螺钉并且观察减速机。如果机油继续泄露，请向客服服务部咨询 B.请向客户服务部咨询 C.给减速机排气(参见“安装方式”) A.Tighten the bolts on the gear cover plate and observe the gear unit.Oil still leaking: Contact customer service B.Contact customer service C.Vent the gear unit（see “Mounting Positions”）
机油从排气阀门旁渗出 Oil leaking from breaking valve	A. 机油太多 B. 传动装置安装方式错误 C. 频繁冷起动（机油起泡沫）和/或者较高的油位 A. Too much oil B. Drive operated in incorrect mounting position C. Frequent cold starts（oil foams）and/or high oillevel	A.修正油量（参见“润滑油”） B.正确安装排气阀并且矫正油位（参见“安装方式”） A.Correct the oil level（see Sec. “Inspection and Maintenance”） B.Mount the breather valve correctly（see Sec. “Mounting Positions”）and correct the oil level（see “Lubricants”）
尽管电机在运转或者传动轴已经被驱动，但是传动轴不转动 Output shaft does not turn although the motor is running or the input shaft is rotated	减速机中的轴轮毂联接断裂 Connection between shaft and hub in gear unit interrupted	将减速机或减速电机送修 Send in the gear unit/gearmotor for repair

在磨合试运转阶段（24小时的运转时间内），轴密封圈有可能出现短期内的漏油/油脂的现象
Short–term oil/grease leakage at the oil seal is possible in the run–in phase（24 hours running time）

减速机负载特征表 / CHARGE CHARACTERISTIC CHART

风机类 AIR BLOWERS	
风机（轴向和径向） Air blower（axial or radial）	A
冷却塔风扇 Fan of cooling tower	B
引风机 Induced draught fan	B
螺旋活塞式风机 Rotary piston type fan	B
蜗轮式风机 Turbo–fan	A
建筑机械类 CONSTRUCTION MACHINERY	
混凝土搅拌机 Concrete mixer	B
卷扬机 Hoist	B
路面建筑机械 Road building machinery	B
钻孔机 Boring mill	B
化工机械类 CHEMICAL MACHINERY	
搅拌机（液体） Mixer（liquid）	A
搅拌机（半液体） Mixer（half liquid）	B
离心机（重型） Centrifuge（heavy）	B
离心机（轻型） Centrifuge（light）	A
冷却滚筒** Cooling rolling drum	B
干燥滚筒** Dry rolling drum	B
搅拌机 Mixer	B
压缩机类 COMPRESSOR	
活塞式压缩机 Piston type compressor	C
蜗轮式压缩机 Turbo–compressor	B
传送运输机类 TRANSMISSION FREIGHTER	
平板传送机 Pan conveyer	B
平衡块升降机 Balance lifter	B
槽式传送机Trough conveyer	B
带式传送机（大件） Ribbon conveyer（large piece）	C
带式传送机（碎料） Ribbon conveyer（small piece）	B
筒式面粉传送机 Drum–type flour conveyer	A
链式传送机 Chain conveyer	B
环式传送机 Ring type conveyer	B
货物升降机 Lifter	B
卷扬机 Hoist	B
连杆式传送机 Crank–connecting conveyer	B
载入升降机 Lifter	B
螺旋式传送机 Worm conveyer	B
钢带式传送机 Steel–band conveyer	B
链式槽型传送机 Chain reed–type conveyer	B
绞车运输机 Crab freighter	B
起重机类 HOIST	
卷扬机齿轮传动装置 Hoist gear assembly	A

转臂式起重传动齿轮装置 Bracket swing gear assembly	B
吊杆起落齿轮传动装置 Derrick gear assembly	B
转向齿轮传动装置 Steering gear assembly	B
行走齿轮传动装置 Moving gear assembly	C
挖泥机类 LAND DREDGER	
筒式传送机 Drum–type conveyer	C
筒式转动机 Drum–type rotation wheel	C
挖泥头 Dredger head	C
机动绞车 Powered crab	B
泵 Pump	B
泵转向齿轮传动装置 Pump turning gear assembly	B
行走齿轮传动装置（履带） Moving gear assembly（apron wheel）	C
行走齿轮传动装置（铁轨） Moving gear assembly（track）	B
食品工业机械类 FOODSTUFF PROCESSING MACHINERY	
灌注及装箱机器 Placer or box filler	A
甘蔗压榨机 Cane crusher	A
甘蔗切断机 Cane cutter	B
甘蔗粉碎机 Cane crasher	C
搅拌机 Mixer	B
酱状物吊筒 Paste bucket	B
装包机 Packager	A
糖甜菜切断机 Beet slicer	B
糖和甜菜清洗机 Beet washing machine	B
发动机及转换器类 MOTOR AND CONVERSION EQUIPMENTS	
频率转换器 Frequency converter	C
发动机 Motor	C
焊接发动机 Welding motor	C
洗衣机类 WASHING MACHINE	
滚筒 Rolling drum	B
洗衣机 Washing machine	B
金属滚轧机类 METAL ROLLER MACHINE	
钢坯剪断机** Steel cutter	C
链式输送机** Chain converter	B
冷轧机** Cold mill	C
连铸成套设备 Continuous casting equipments	B
冷床** Cold bed	B
剪料机头** Cropper	C
交叉转弯输送机** Cross steering transmitter	B
除锈机** Druster	C
重型和中型板轧机** Heavy and medium steel mill	C
捧坯切轧机** Bar mill	C

04

TAIGONG 泰工减速机

SWL SERIES WORM GEAR SCREW JACK

SWL系列蜗轮丝杆升降机

15年生产经验 10万+企业共同的选择

产品介绍

SWL系列蜗轮丝杆升降机广泛应用于机械、冶金、建筑、水利设备等行业，具有起升、下降及借助辅件推进、翻转及各种高度位置调整等诸多功能。

SWL蜗轮丝杆升降机是一种基础起重部件，具有结构紧凑、体积小、重量轻、动力源广泛、无噪音、安装方便、使用灵活、功能多、配套形式多、可靠性高、使用寿命长等许多优点。可以单台或组合使用，能按一定程序准确地控制调整提升或推进的高度，可以用电动机或其他动力直接带动，也可以手动。它有不同的结构型式和装配型式，且提升高度可按用户的要求定制。

型号及标记

1. 结构形式

1型——丝杆作轴向移动（丝杆移动时，分旋转和不旋转(F)，选型时请注意区分）

2型——丝杆作旋转运动、螺母作轴向移动

2. 装配型式

A型——丝杆（或螺母）向上移动；

B型——丝杆（或螺母）向下移动。

3. 丝杆头部型式

1型结构型式的丝杆头部分为Ⅰ型（圆柱型）、Ⅱ型（法兰型）、Ⅲ型（螺纹型）、Ⅳ型（扁头型）四种型式；

2型结构型式的丝杆头部分为Ⅰ型（圆柱型）、Ⅲ型（螺纹型）二种型式。

4. 传动比

普通速比（P）、慢速比（M）

5. 提升承载能力

0.5，1，2.5，5，10，15，20，25，35，50，100（×10kN）11种

6. 丝杆的防护

1型结构有基本型、防旋转型（F）和带防护罩型（Z）；

2型结构有基本型和带防护罩型（Z）。

7. 表示方法

SWL 2.5 M — 1 A — Ⅱ 500 FZ

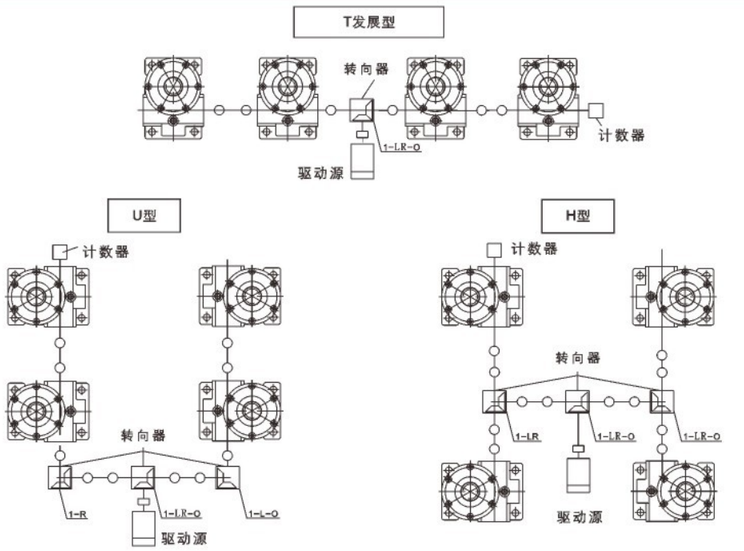
- FZ：丝杆防护型式代号（基本型不注）
- 500：丝杆行程（mm）
- Ⅱ：丝杆头部型式代号
- A：装配型式代号
- 1：结构型式代号
- M：传动比代号（普通P不注）
- 2.5：承载能力（25kN，相当于2.5吨）
- SWL：蜗轮丝杆升降机

TAIGONG 泰工减速机
SWL系列蜗轮丝杆升降机
SWL SERIES WORM GEAR SCREW JACK

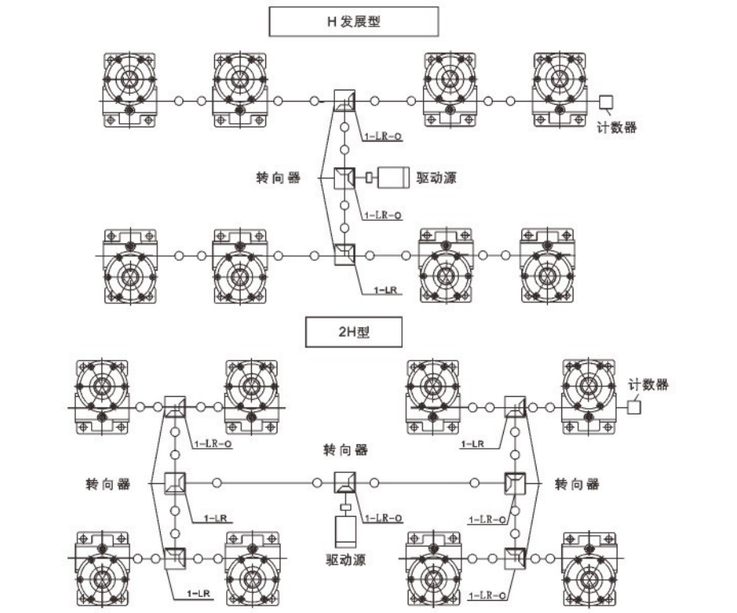
选型示例

两台联动

四台联动



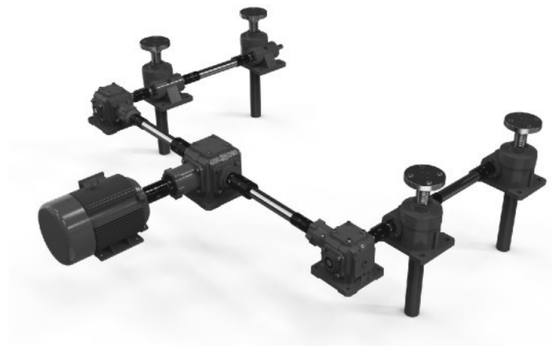
八台联动



两台联动

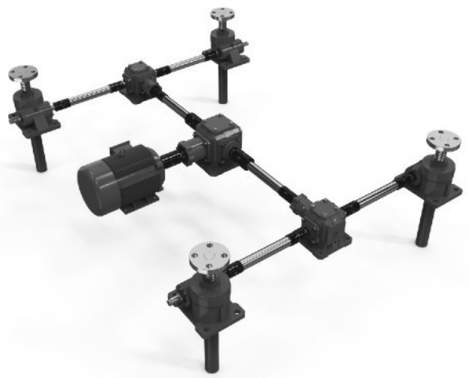
T型

四台联动



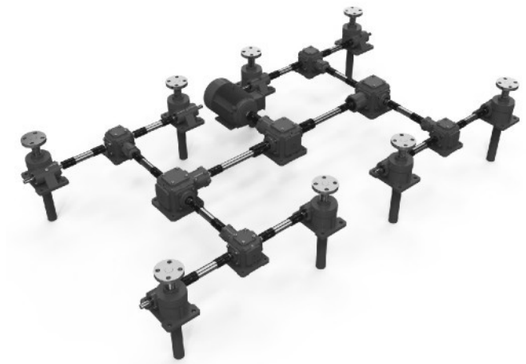
U型

四台联动



H型

八台联动

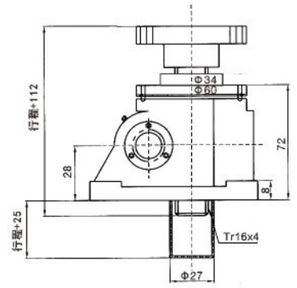


2H型

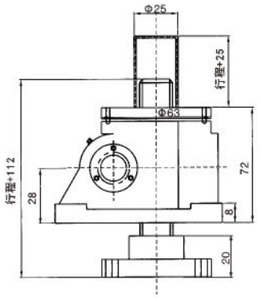
SWL-0.5T 装配图

Ⅰ型结构型式

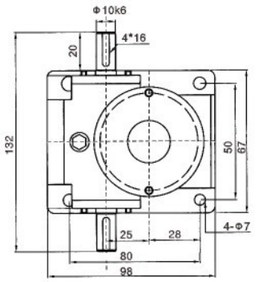
装配形式A



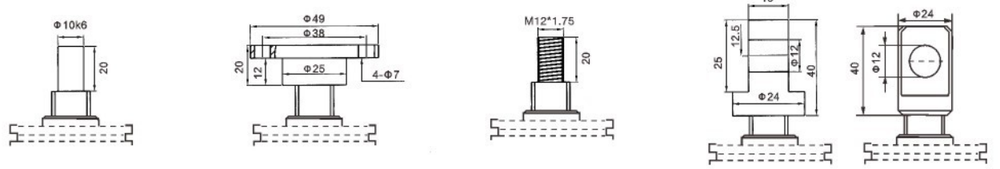
装配形式B



K向



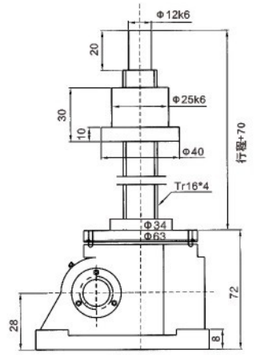
丝杆头部型式



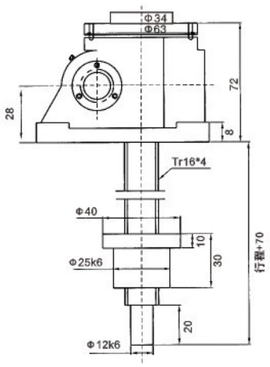
Ⅰ型　Ⅱ型　Ⅲ型　Ⅳ型

Ⅱ型结构型式

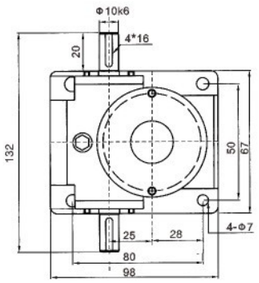
装配形式A



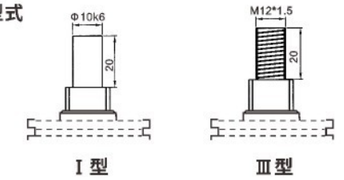
装配形式B



K向

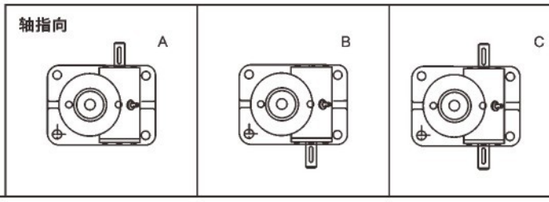


丝杆头部型式



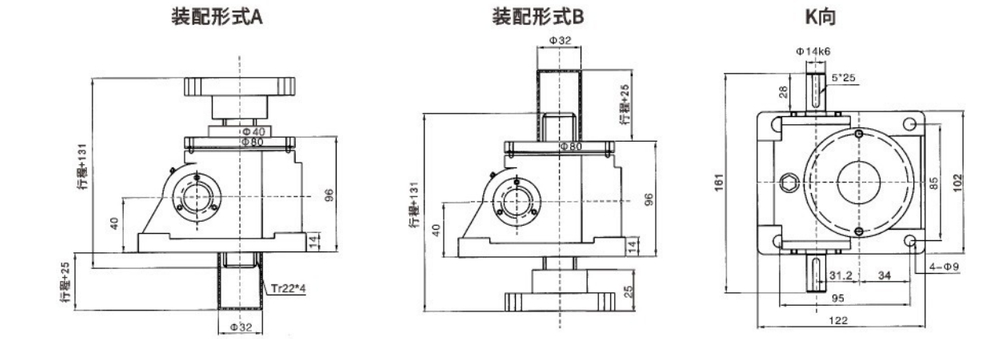
Ⅰ型　Ⅲ型

轴指向

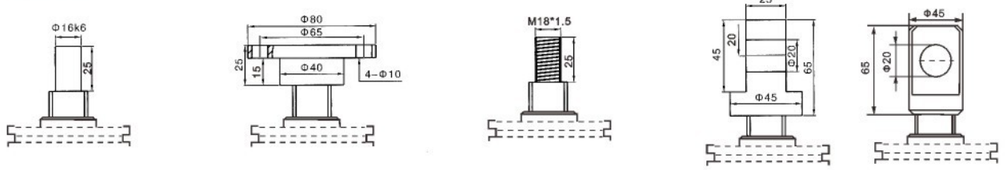


SWL-1T 装配图

Ⅰ型结构型式

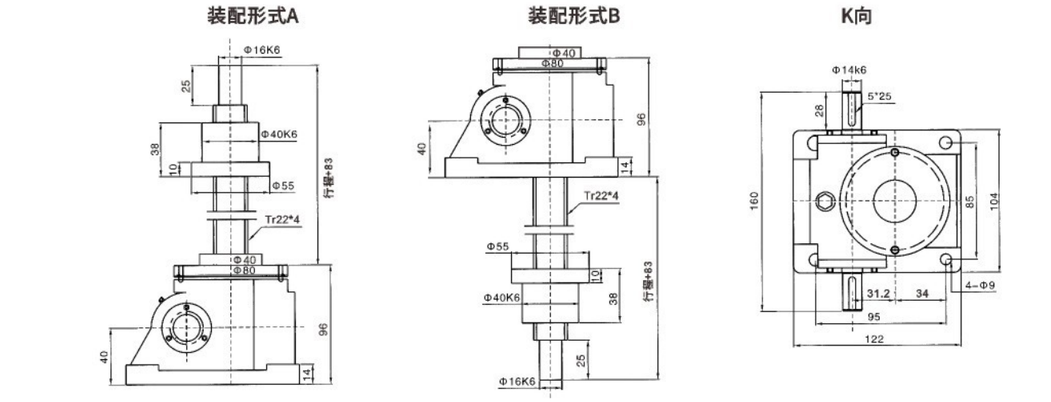


丝杆头部型式

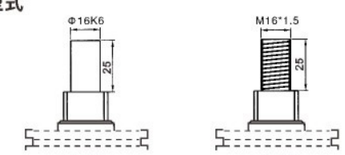


Ⅰ型　Ⅱ型　Ⅲ型　Ⅳ型

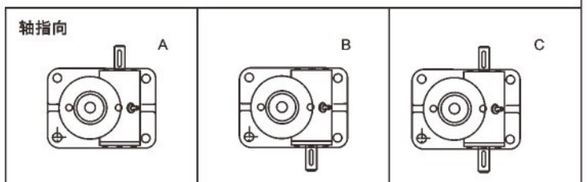
Ⅱ型结构型式



丝杆头部型式

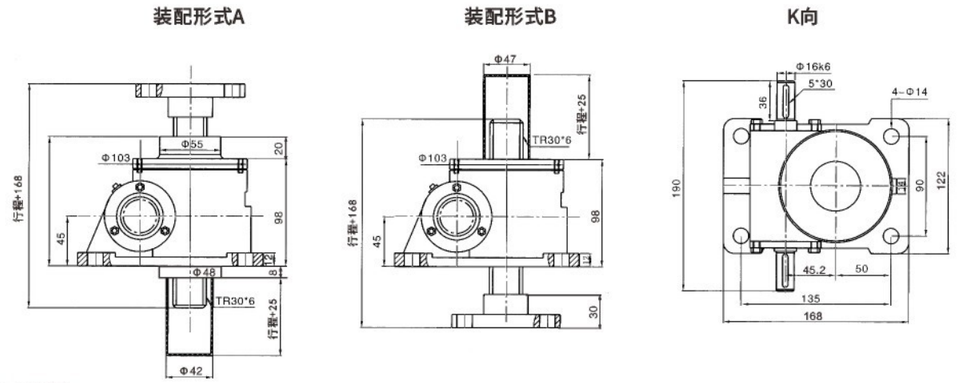


Ⅰ型　Ⅲ型

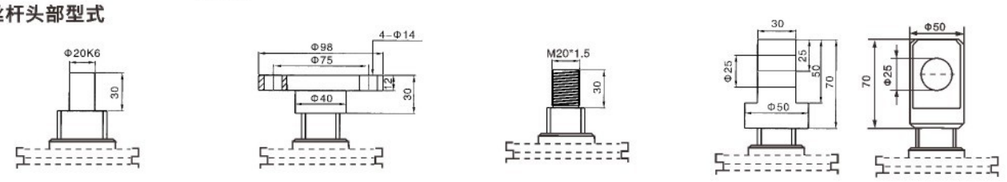


SWL-2.5T 装配图

Ⅰ型结构型式

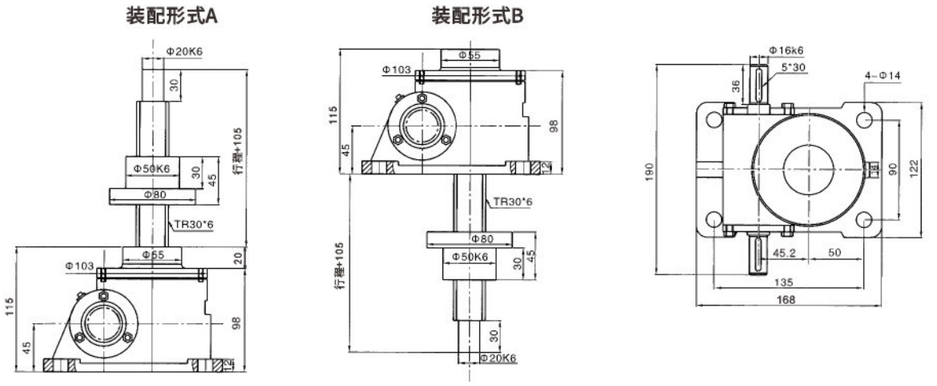


丝杆头部型式

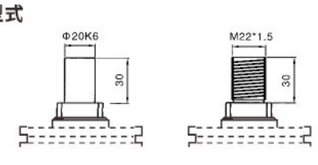


Ⅰ型　Ⅱ型　Ⅲ型　Ⅳ型

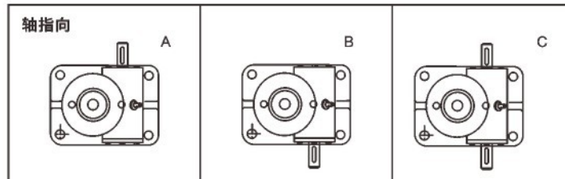
Ⅱ型结构型式



丝杆头部型式

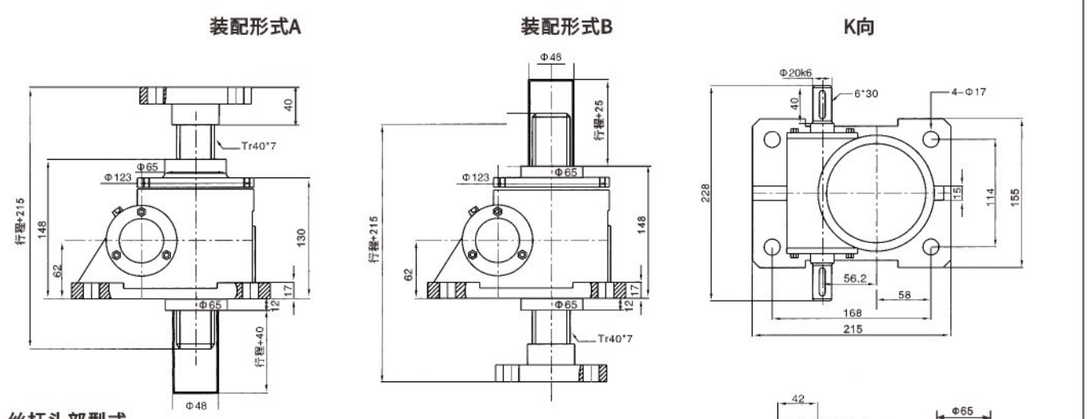


Ⅰ型　Ⅲ型

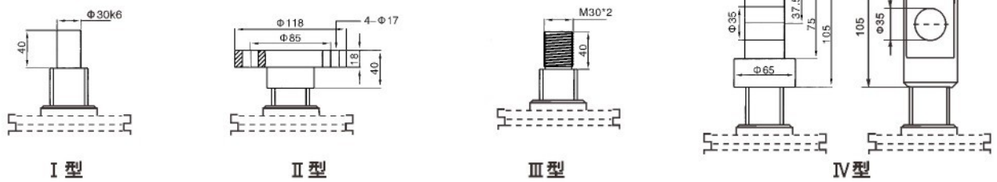


SWL-5T 装配图

Ⅰ型结构型式

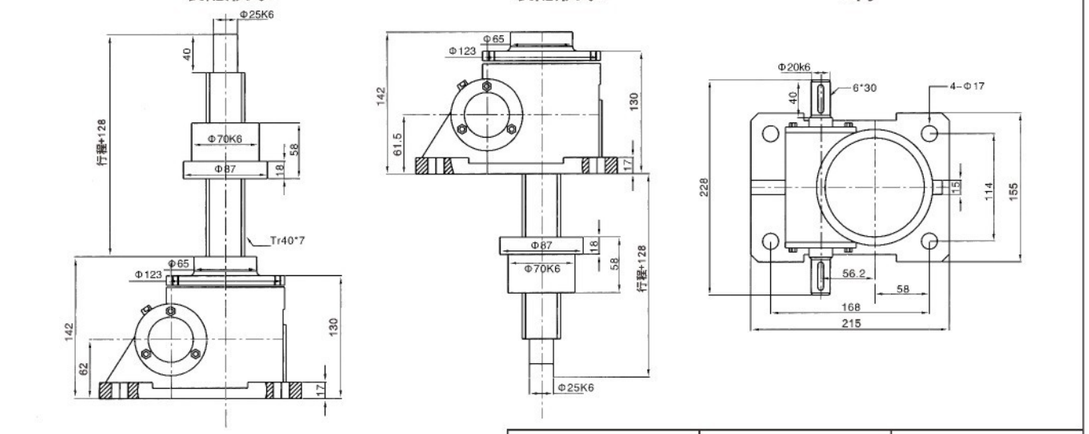


丝杆头部型式

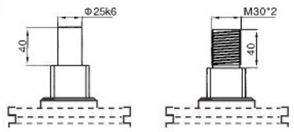


Ⅰ型　Ⅱ型　Ⅲ型　Ⅳ型

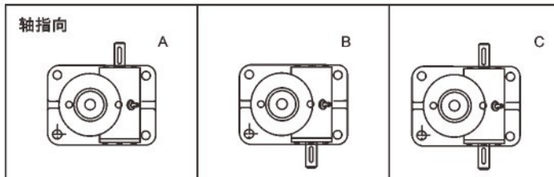
Ⅱ型结构型式



丝杆头部型式



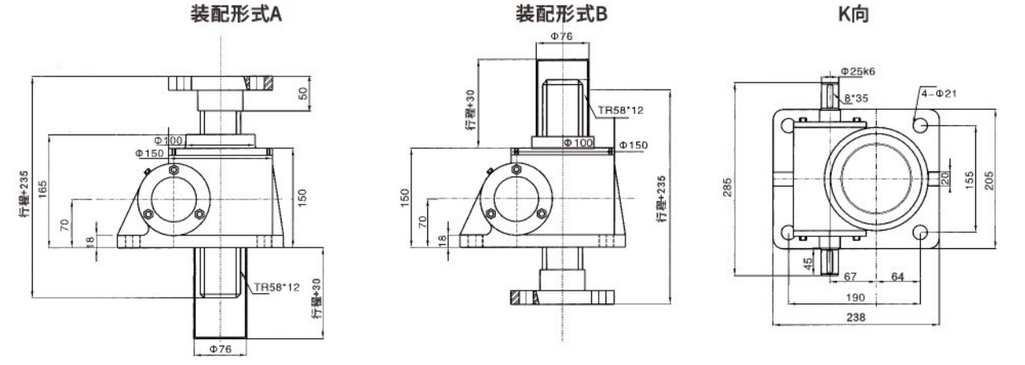
Ⅰ型　Ⅲ型



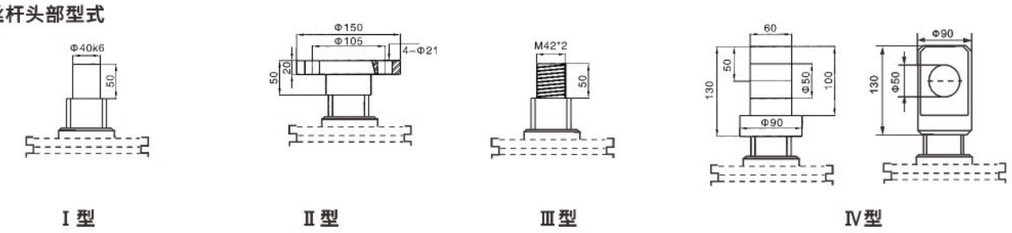
TAIGONG 泰工减速机
SWL系列蜗轮丝杆升降机
SWL SERIES WORM GEAR SCREW JACK

SWL-10/15T 装配图

Ⅰ型结构型式

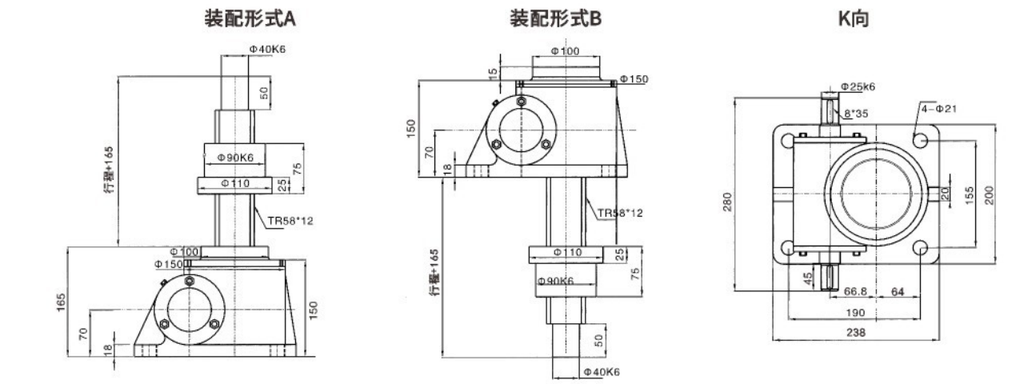


丝杆头部型式

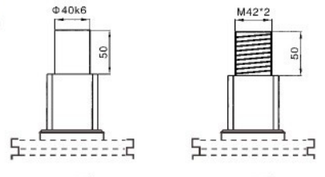


Ⅰ型　Ⅱ型　Ⅲ型　Ⅳ型

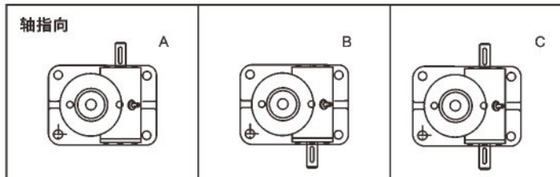
Ⅱ型结构型式



丝杆头部型式

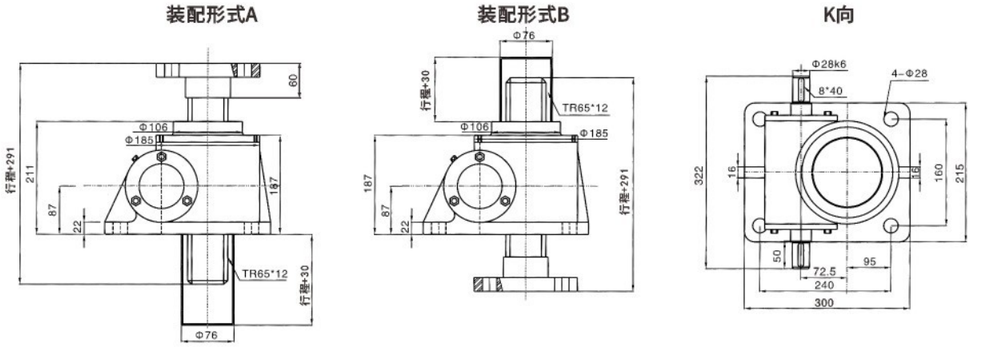


Ⅰ型　Ⅲ型

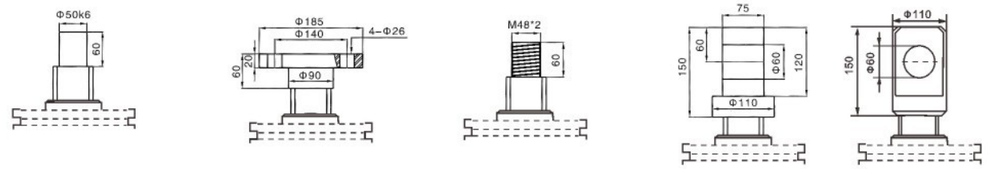


SWL-20T 装配图

Ⅰ型结构型式

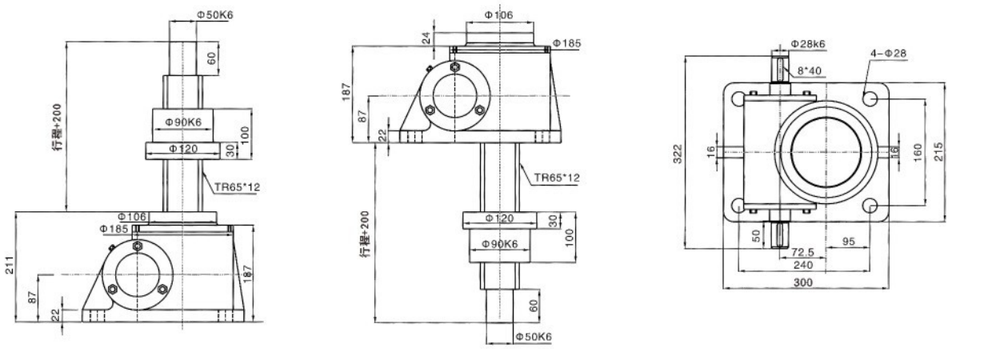


丝杆头部型式

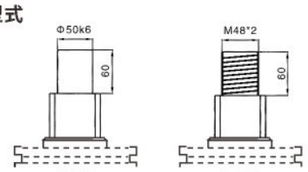


Ⅰ型　Ⅱ型　Ⅲ型　Ⅳ型

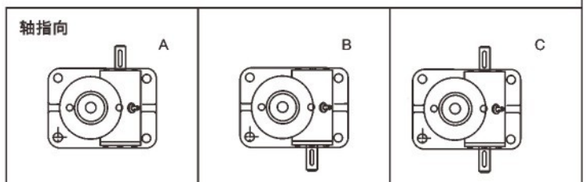
Ⅱ型结构型式



丝杆头部型式

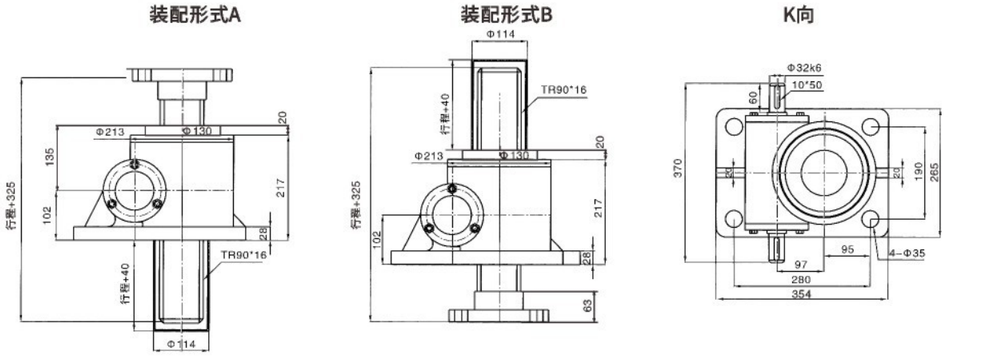


Ⅰ型　Ⅲ型

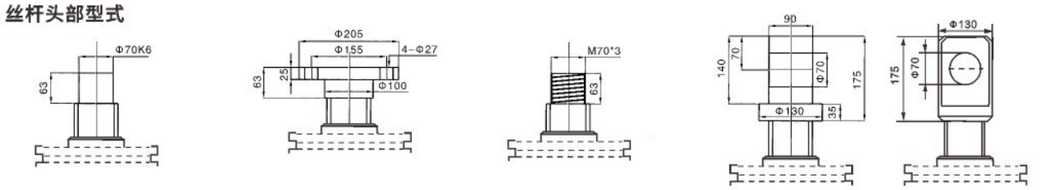


SWL-25T 装配图

Ⅰ型结构型式

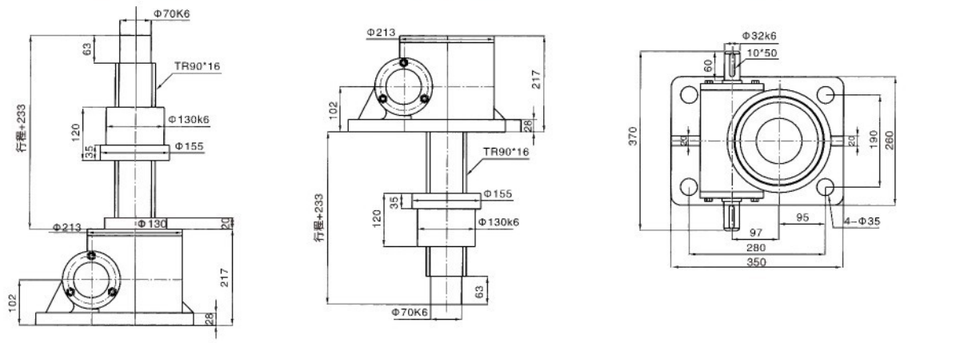


丝杆头部型式

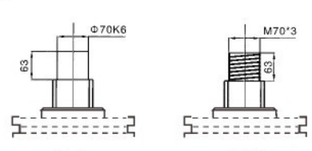


Ⅰ型　Ⅱ型　Ⅲ型　Ⅳ型

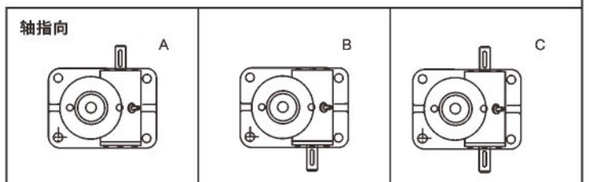
Ⅱ型结构型式



丝杆头部型式

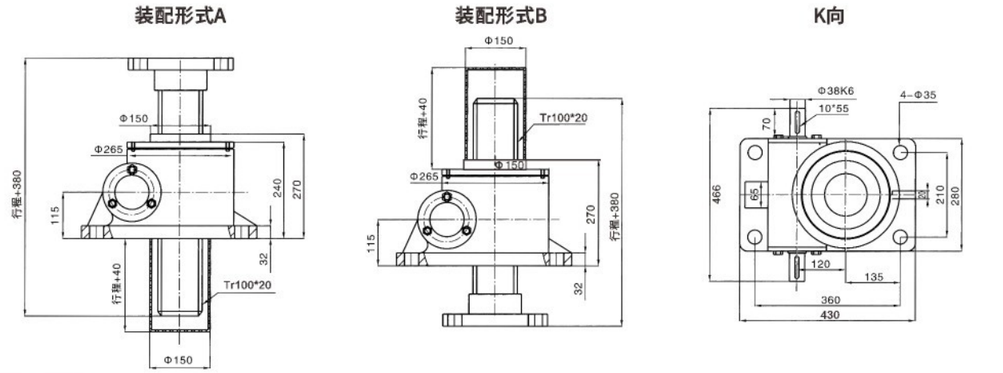


Ⅰ型　Ⅲ型

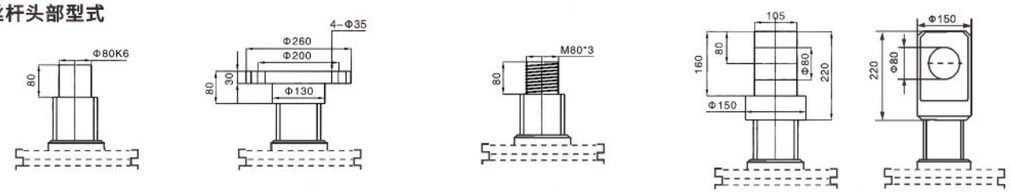


SWL-35T 装配图

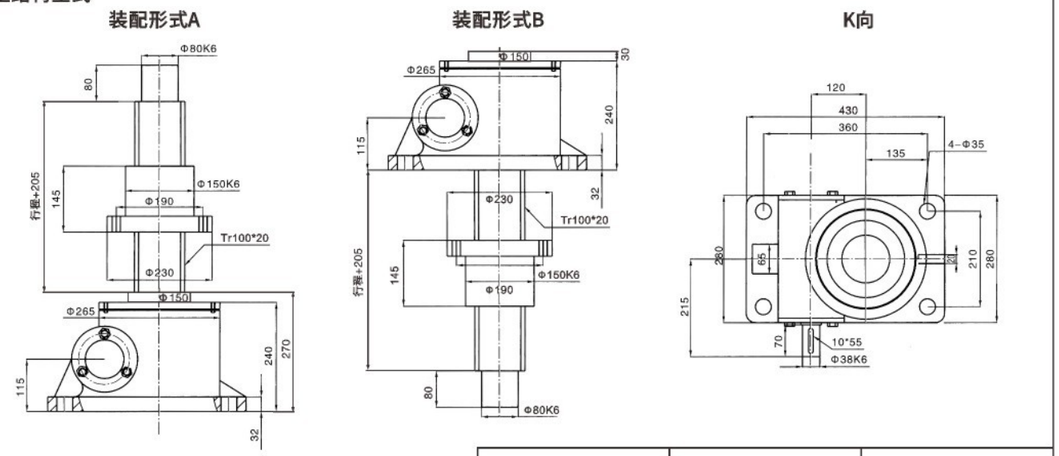
Ⅰ型结构型式

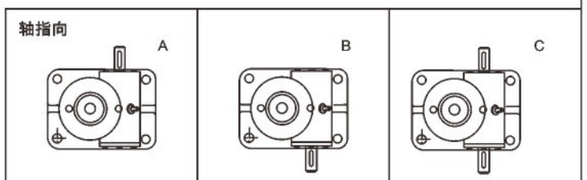


丝杆头部型式



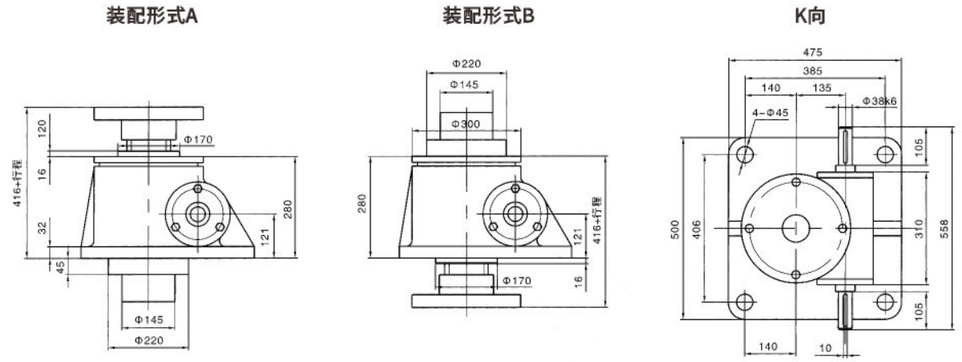
Ⅱ型结构型式



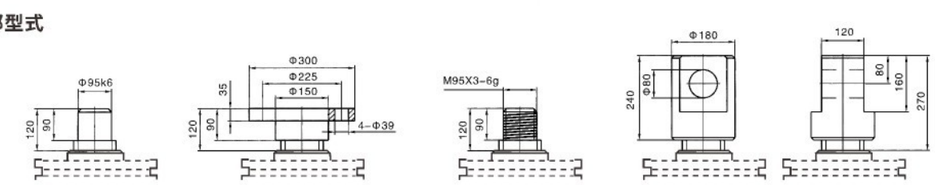


SWL-50T 装配图

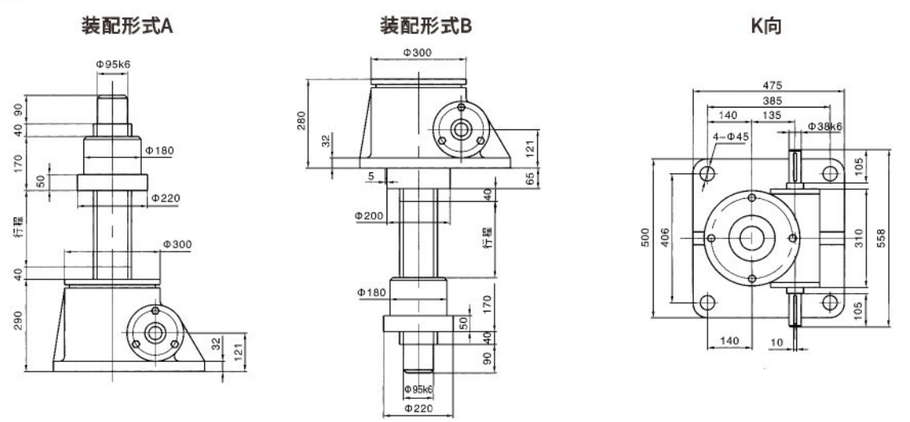
Ⅰ型结构型式



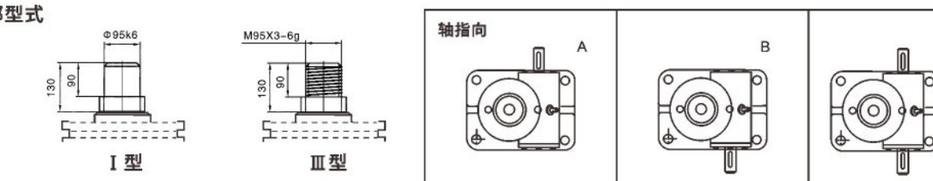
丝杆头部型式



Ⅱ型结构型式



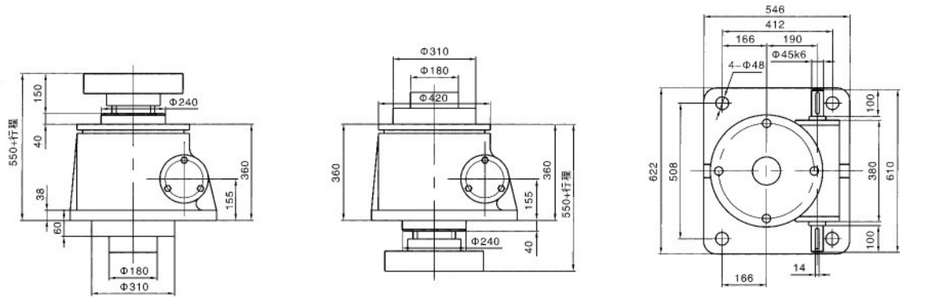
丝杆头部型式



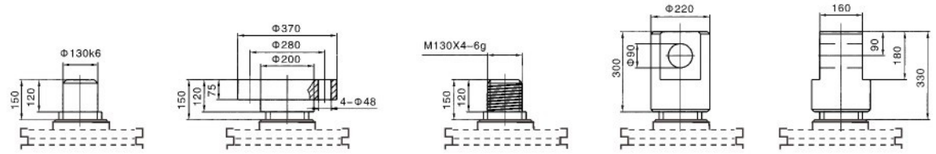
SWL-100T 装配图

Ⅰ型结构型式

装配形式A　　装配形式B　　K向



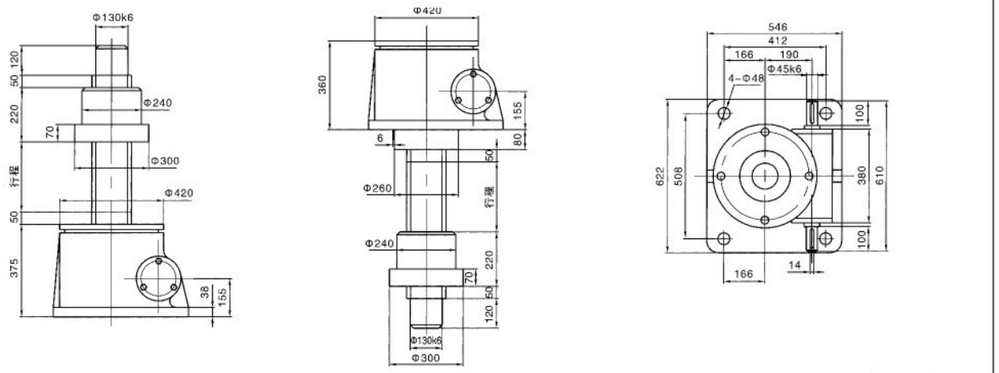
丝杆头部型式



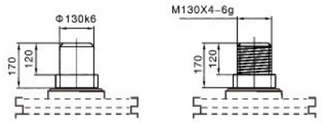
Ⅰ型　　Ⅱ型　　Ⅲ型　　Ⅳ型

Ⅱ型结构型式

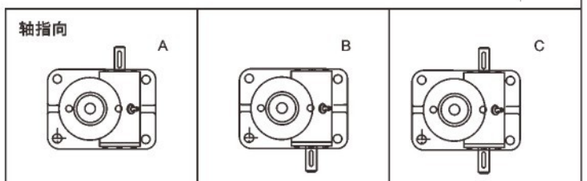
装配形式A　　装配形式B　　K向



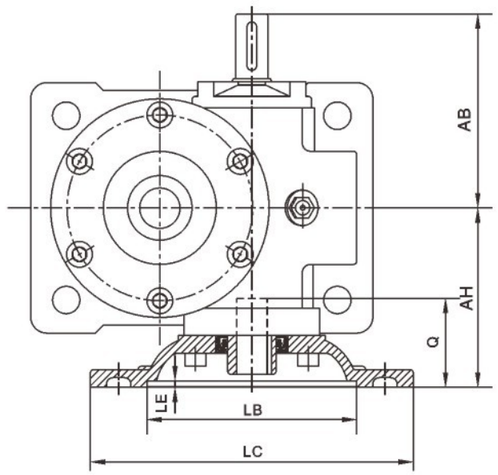
丝杆头部型式

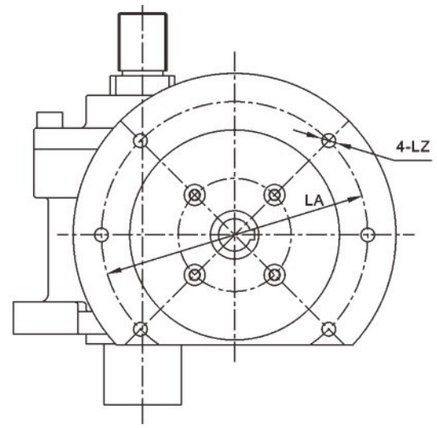


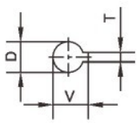
Ⅰ型　　Ⅲ型



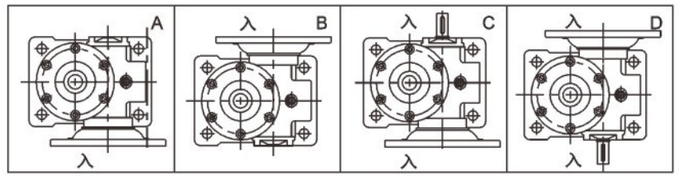
SWLD安装尺寸（丝杆升降机与电机直联）







轴指向



型号规格	入功率 (kw)	法兰代号	AB	AH	LA	LB	LC	LE	LZ	D	T×V	电机长度
SWLD0.5	0.06/0.09	56B5/B14	66	45	115	95	140	4	M8	Φ11	4×12.8	207
SWLD1	0.12/0.18	63B5/B14	80.5	80.5	115	95	140	4	M8	Φ11	4×12.8	207
	0.25/0.37	71B5/B14			130	110	160	5	M8	Φ14	5×16.3	225
SWLD2.5	0.25/0.37	71B5/B14	95	90	130	110	160	5	M8	Φ14	5×16.3	225
	0.55/0.75	80B5/B14			165	130	200	5	M10	Φ19	6×21.8	255
SWLD5	0.55/0.75	80B5/B14	114	101.5	165	130	200	5	M10	Φ19	6×21.8	255
	1.1/1.5	90B5/B14								Φ24	8×27.3	290
SWLD10/15	1.1/1.5	90B5/B14	140	127.5	165	130	200	5	M10	Φ24	8×27.3	290
	2.2/3.0/4.0	100B5/112B5/B14			215	180	250	5	M12	Φ28	8×31.3	340
SWLD20	1.1/1.5	90B5/B14	161	149	215	180	250	5	M12	Φ28	8×31.3	340
	2.2/3.0/4.0	100B5/112B5/B14										
	5.5/7.5	132B5/B14										
SWLD25	2.2/3.0/4.0	100B5/112B5/B14	184	170	215	180	250	5	M12	Φ28	8×31.3	430
	5.5/7.5	132B5/B14			265	230	300	5	M12	Φ38	10×41.3	
SWLD35	2.2/3.0/4.0	100B5/112B5/B14	215	206	265	230	300	5	M12	Φ38	10×41.3	430
	5.5/7.5	132B5/B14										
	11/15	160B5										
SWLD50	11/15	160B5	279	247	300	250	350	5	M12	Φ42	12×45.3	490

注：配电机法兰B14和伺服电机方法兰安装尺寸请咨询客服。

升降机的主要性能参数表

型　　号		SWL0.5	SWL1	SWL2.5	SWL5	SWL10	SWL15	SWL20	SWL25	SWL35	SWL50	SWL100
最大起升力(kN)		5	10	25	50	100	150	200	250	350	500	1000
丝杆螺纹尺寸		Tr16×4	Tr22×4	Tr30×6	Tr40×7	Tr58×12		Tr65×12	Tr90×16	Tr100×20	Tr120×20	Tr160×23
最大拉力(kN)		5	10	25	50	99		166	250	350	500	1000
蜗轮蜗杆传动比	P	1/5	1/6	1/6	1/8	3/23		1/8	3/32	3/32	1/11	1/12
	M	1/22	1/24	1/24	1/24	1/24		1/24	1/32	1/32	1/32	1/36
蜗杆每转行程(mm)	P	0.8	0.66	1.0	0.875	1.565		1.50	1.5	1.875	1.818	1.916
	M	0.18	0.16	0.25	0.29	0.5		0.5	0.5	0.625	0.625	0.638
拉力负荷时丝杆的最大伸长(mm)		600	1300	1500	2000	2500		3000	3500	4000	5500	6500
最大压力负荷时的最大提升高度(mm)	丝杆头部无导向	110	220	250	385	500	400	490	850	820	900	1200
	丝杆头部导向	150	300	400	770	1000	800	980	1700	1640	1900	2100
满载时蜗杆扭矩(N.m)	P	7.5	15	18	39.5	119	179	240	366	464	650	2323
	M	4	8.30	8.86	19.8	60	90	122	217	253	350	997
效率(%)	P	18	20	22	23	20.5		19.5	16	18	20	13
	M	7	9	11	11.5	13		12.8	9	11	15	10
功率(Kw)		0.12	0.25	0.55	1.5	2.6		3.7	4.8	6.0	7.5	15
不加行程的重量(Kg)		3.5	6.3	7.3	16.2	25		36	70.5	87	95	1010
丝杆每100mm的重量(Kg)		0.15	0.35	0.45	0.82	1.67		2.15	4.15	5.20	6.35	13.6
润滑剂		合成钙钠基润滑脂ZGN-1或ZGN-2(-20℃+100℃)										
润滑脂量(Kg)		0.03	0.08	0.1	0.3	0.5		0.75	1.1	1.9	2.2	2.5

提升力和提升速度表

型　号	提升力(KN)	提升速度(m/min)(普通)	蜗杆转速(r/min)	提升速度(m/min)(慢速)	蜗杆转速(r/min)	型　号	提升力(KN)	提升速度(r/min)(普通)	蜗杆转速(r/min)	提升速度(r/min)(慢速)	蜗杆转速(r/min)
SWL0.5	4	0.48	600	0.109	600	SWL20	120	0.30	200	0.15	300
	2	0.80	1000	0.182	1000		100	0.30	200	0.25	500
	0.5	1.12	1400	0.255	1400		75	0.45	300	0.375	750
SWL1	8	0.400	600	0.100	600		50	0.75	500	0.50	1000
	4	0.666	1000	0.1667	1000		25	1.50	1000	0.90	1800
	1	0.9333	1400	0.2333	1400	SWL25	250	0.075	50	0.025	50
SWL2.5	25	0.05	50	0.0125	50		200	0.15	100	0.10	200
	20	0.6	600	0.15	600		160	0.15	100	0.15	300
	15	0.75	750	0.188	750		130	0.30	200	0.15	300
	10	1.00	1000	0.25	1000		100	0.45	300	0.25	500
	5	1.80	1800	0.45	1800		75	0.45	300	0.30	600
SWL5	50	0.044	50	0.0146	50		50	0.90	600	0.50	1000
	40	0.264	300	0.175	600	SWL35	350	0.094	50	0.0313	50
	30	0.264	300	0.219	750		300	0.104	100	0.125	200
	20	0.526	600	0.292	1000		250	0.208	100	0.188	300
	10	0.876	1000	0.525	1800		200	0.416	200	0.188	300
	5	1.575	1800	0.525	1800		150	0.624	300	0.313	500
SWL10	100	0.288	200	0.15	300		100	0.624	300	0.47	750
	75	0.432	300	0.25	500		50	1.248	600	0.626	1000
	50	0.432	300	0.375	750	SWL50	500	<0.08	<50	<0.03	<50
	35	0.864	600	0.90	1800		450	0.08	50	0.03	50
	20	1.44	1000	0.90	1800		400	0.16	100	0.06	100
	10	2.592	1800	0.90	1800		300	0.24	150	0.188	300
SWL15	150	0.072	50	0.025	50		200	0.48	300	0.25	400
	100	0.288	200	0.15	300		100	0.8	500	0.625	1000
	80	0.288	200	0.25	500	SWL100	1000	<0.08	<50	<0.032	<50
	60	0.423	300	0.30	600		900	0.159	50	0.032	50
	40	0.720	500	0.50	1000		800	0.238	100	0.064	100
	20	1.44	1000	0.90	1800		600	0.317	150	0.096	150
	10	2.592	1800	0.90	1800		400	0.635	200	0.192	300
SWL20	200	0.15	100	0.10	200		200	0.104	400	0.639	1000
	160	0.15	100	0.15	300						

注：表中参数是在环境温度20℃，工作持续率每小时20%或每分钟40%情况下得出的；
当转速超过表中数值时，提升元件会因过热而出现早期磨损，使用时应严加注意。

TAIGONG 泰工减速机
SWL系列蜗轮丝杆升降机
SWL SERIES WORM GEAR SCREW JACK

丝杆长度与极限负荷的关系

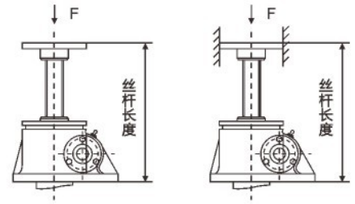
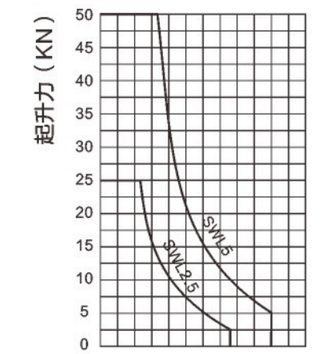
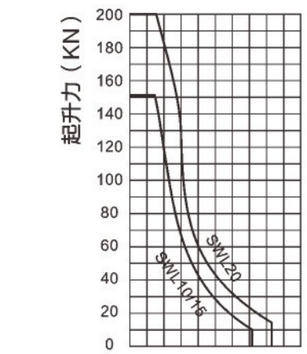
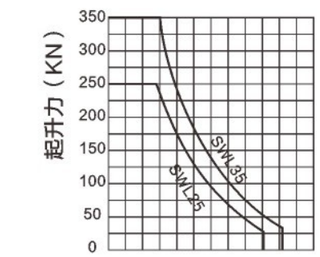


图1







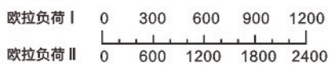


图2

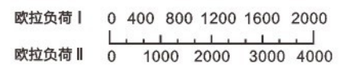


图3

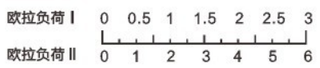


图4

升降机的选型说明

根据丝杆行程和提升负荷查图1~图4，找出所需升降机的型号，再查提升力和提升速度表，校核提升速度是否满足要求。

例：已知提升负荷为F=20KN，丝杆行程=400mm，提升速度V=0.65m/min,试求所需的升降机。

根据F=20KN，丝杆行程=400mm查图2，选择SWL5升降机。再查提升力和提升速度表核对SWL5升降机在20KN负荷下只允许0.526m/min的速度，只有重选大型号的升降机。再查提升力和提升速度表得知SWL10在20KN负荷下允许提升速度为1.4m/min而满足要求。

说明

1、当压力负荷减小时，提升高度可随之增大（两者具体关系详见图2~图4）；

2、在提升不同的负荷时，所允许的扭矩、功率、转速也不同，且不同工作持续率的最大功率也不同；

3、1型结构采用油脂润滑，随着温度的升高应及时补充润滑剂；

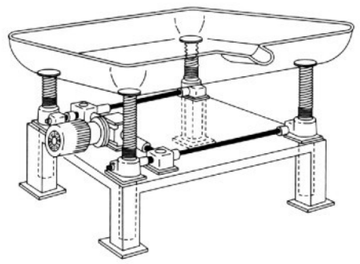
4、表中的效率为用油脂润滑条件下的参数；

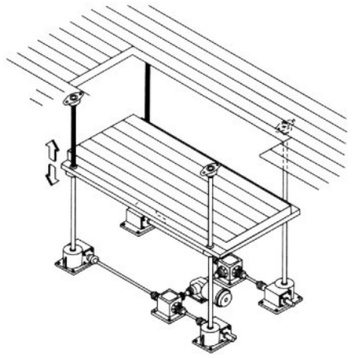
5、工作期间应及时更换润滑剂；

6、工作环境温度：-20℃~+80℃；

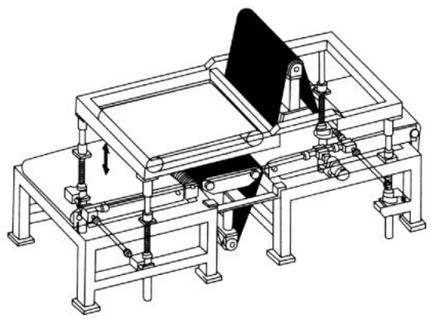
7、在静止状态一般可以自锁。

应用举例

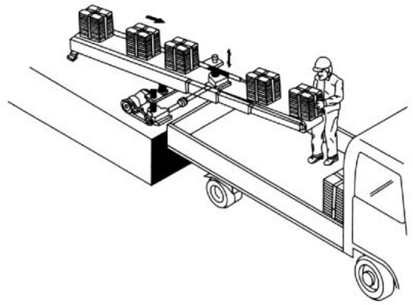




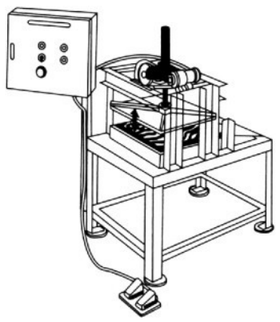
平台升降



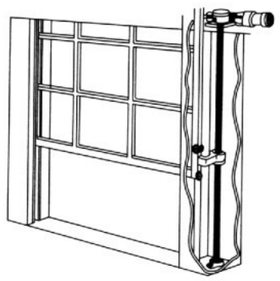
调整表面加工机的工作高度



调整滑动传送带的倾斜程度



更改校正器的作业高度



大型窗户（门）自动开关

05

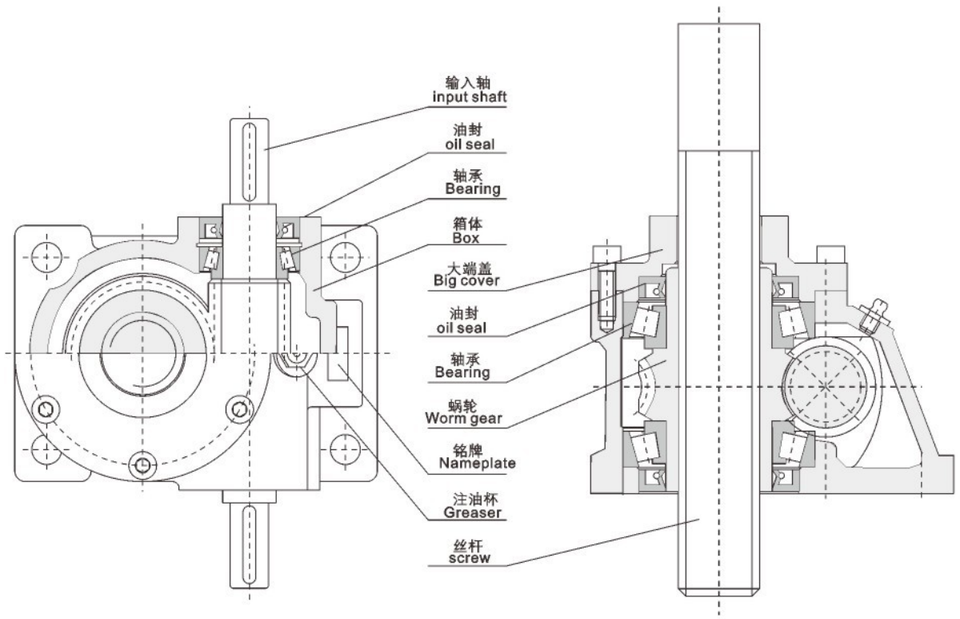
TAIGONG 泰工减速机

HK SERIES WORM GEAR SCREW JACK

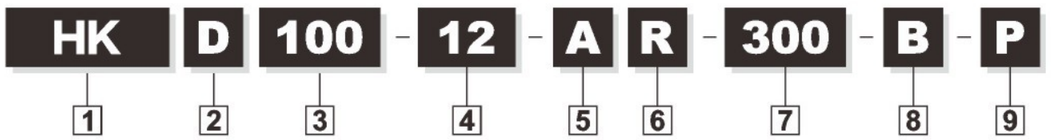
HK系列蜗轮丝杆升降机

15年生产经验 **10**万+企业共同的选择

产品结构



型号说明



1 产品代码
HK -- 蜗轮丝杆升降机

2 输入轴联接方式
D-- 带电机法兰
无代码 -- 基本型

3 规格用蜗轮副中心距表示100

4 传动比
12

5 安装方式代码
A、B—基本型
C、D—止旋构造型
E、F—活动螺母构造型

6 丝杆头部型式代码
R 型 （圆柱式）
H 型 （栓孔式）
S 型 （螺纹式）
T 型 （顶板式）
详见 " 产品图片"
注：安装方式E、F时无此代码

7 丝杆行程
300mm
共有100、200、300、400、500、600、800、1000mm 8种规格，根据使用情况选择，如需要其它长度行程，也可定做

8 轴指向
HK 系列共有A、B、C三种
HKD系列共有A、B、C、D四种
详见 "轴指向表示"

9 护管
P—带护管
无代码—不带护管
注：安装方式E、F时无此代码

TAIGONG 泰工减速机
HK系列蜗轮丝杆升降机
HK SERIES WORM GEAR SCREW JACK

选型方法

选型要素

1.1 总当量载荷计算

$W_s=W_{max}\times f_s$

W_s--当量载荷　W_{max}--最大载荷　f_s--使用系数（详见附表1）

表1 使用系数f_s

使用工况	平稳载荷，负荷惯性小	轻微冲击载荷，负荷惯性中等	强冲击负荷，负荷惯性大
使用系数	1.0~1.3	1.3~1.5	1.5~3.0

1.2 单台升降机当量载荷的计算

$W=W_s/(S\times f_d)$

W--单台当量载荷　W_s--当量载荷　S--联动台数　f_d--联动系数（详见附表2）

表2 联动系数f_d

联动台数	1	2	3	4	5-8
使用系数	1	0.9	0.9	0.8	0.7

1.3 暂定升降机型号

根据载重、升降速度、行程、驱动源后暂时选定升降机型号(详情可参考“选型参数”)。

1.4 丝杆行程选定

在充分考虑丝杆运动惯性、各种顶端输出部件等各种情况下，选择有充分余量的丝杆行程。
丝杆计算（详见表3，丝杆行程用L表示，单位(unit)：mm)

表3 丝杆计算

型号	丝杆直径	护管长	丝杆头部S型		丝杆头部H型		丝杆头部R型		丝杆头部T型	
			总长=L+SC	牙长=总长-SD	总长=L+HB+HD	牙长=总长-HB-HE	总长=L+RB	牙长=总长-RC	总长=L+TE	牙长=总长-TF
HK35（2T）	Tr26×5	L+55	L+150	总长-40	L+20+165	总长-20-55	L+165	总长-55	L+135	总长-25
HK40（3T）	Tr32×6	L+60	L+180	总长-50	L+25+195	总长-25-65	L+195	总长-65	L+160	总长-30
HK50（5T）	Tr38×6	L+60	L+180	总长-50	L+25+195	总长-25-65	L+195	总长-65	L+160	总长-30
HK60（10T）	Tr45×8	L+65	L+220	总长-60	L+32+255	总长-32-95	L+225	总长-65	L+200	总长-40
HK60B（15T）	Tr52×8	L+65	L+220	总长-60	L+32+255	总长-32-95	L+225	总长-65	L+210	总长-50
HK70（20T）	Tr65×10	L+75	L+260	总长-80	L+35+295	总长-35-115	L+250	总长-70	L+235	总长-55
HK100（30T）	Tr75×12	L+85	L+300	总长-80	L+44+355	总长-44-135	L+295	总长-75	L+285	总长-65
HK120（40T）	Tr80×12		L+360	总长-100	L+54+410	总长-54-150	L+355	总长-95	L+330	总长-70
HK130（50T）	Tr90×14		L+435	总长-120	L+64+480	总长-64-165	L+430	总长-115	L+390	总长-75
HK150（100T）	Tr100×16		L+495	总长-150	L+70+545	总长-70-200	L+485	总长-140	L+445	总长-100

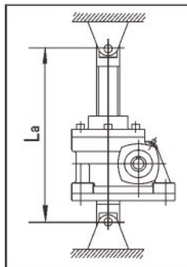
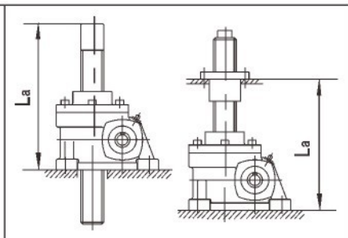
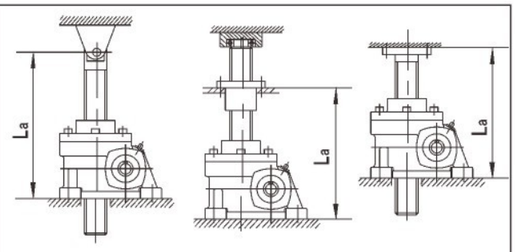
1.5 丝杆稳定性校核

$P_{cr}=f_m\times(d^2/L_a)^2$

应确保$P_{cr}>W\times S_f$(一般$S_f=4$)

P_{cr}--丝杆临界载荷(N)　f_m--长度系数(详见附表4)　d--丝杆底径(mm)(详见附表5)
L_a--作用点间距离(mm)　W--单台升降机当量载荷(N)　S_f--安全系数(一般取4)

表4 长度系数(f_m)

		
两端支撑 $fm=10\times10^4$	底座固定,轴端自由 $fm=2.5\times10^4$	底座固定,轴端支撑或固定 $fm=20\times10^4$

1.6 丝杆转速校核

$n_c=96\times10^8\times f_n\times d/L_b^2$

应确保$n_c>n_1/i$

n_c--丝杆临界转速(r/min)　f_n--支撑系数(详见附表6)　d--丝杆底径(mm) (详见附表5)

L_b--支撑间距离(mm)　n_1--输入转速(r/min)　i--减速比

1.7 输入功率校核

$p=n_1\times p_1\times w/(9549\times2\pi\times i\times\eta)$

应确保P<P额

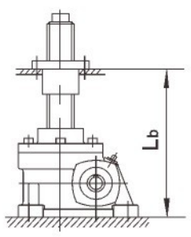
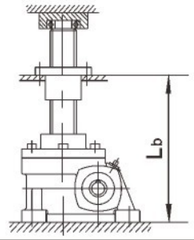
p--所需输入功率(kW)　n_1--输入转速(r/min)　p_1--丝杆螺距(mm)

W--单台升降机当量载荷(kN)　π--圆周率　i--减速比　η--综合效率

表5 丝杆底径d

型　号	HK35 (2T)	HK40 (3T)	HK50 (5T)	HK60 (10T)	HK60B (15T)	HK70 (20T)	HK100 (30T)	HK120 (40T)	HK130 (50T)	HK150 (100T)
丝杆底径	20.5	25	31	37	43	54	62	67	74	82

表6 支撑系数 fn

	
轴端自由fn=0.36	轴端支撑fn=1.56

TAIGONG 泰工减速机
HK系列蜗轮丝杆升降机
HK SERIES WORM GEAR SCREW JACK

使用说明

1. 产 品 说 明

1.1 HK 系列蜗轮丝杆升降机（ 又名千斤顶）；
1.2 具有结构紧凑、体积小的特点;
1.3 安装方便、形式多；
1.4 可靠性高、寿命长；
1.5 具有起升、下降及借助辅件推进、翻转等多种功能；
1.6 可单台使用，也可多台组成使用；
1.7 动力源广泛，可用电动机或其它动力直接带动，也可以用手动；
1.8 通常用于低速重载的场合。广泛应用于冶金、机械、建筑、水利、医疗、化工等各个行业。

2.使用注意事项

2.1 请严格按承载能力表选择合适的速比和与之对应的具有充分裕度的载荷的升降机；
2.2 升降机工作时应控制减速机表面和升降螺母表面温度在-15℃~80℃；
2.3 升降机不得连续运转，单台升降机的负荷时间率(T%)以30分钟为单位计算，不得超过20%；

$$\text{负荷时间率 } T\% = \frac{\text{1动作周期的工作时间}}{\text{1动作周期的工作时间+1动作周期的停歇时间}}\times100\%$$

2.4 必须保证有充足的驱动源动力；
2.5 升降机理论上有自锁功能，但在振动冲击较大的场合会造成自锁功能失灵，请务必加制动装置；
2.6 升降机使用环境：

使用环境	室内无雨水侵入的场所
周围空气	灰尘为一般工厂状况
环境湿度	-15℃~40℃
相对湿度	85%以下

2.7 升降机工作时一般不允许有横向载荷，若有横向载荷时，请加导向装置。

油品润滑

润滑油（脂）选用表

蜗杆转速(r/min)	润滑油（脂）类型
1500~1800	ISO VG680
300~1500	ZNG-1或ZNG-2

注：合成钙钠基润滑脂温度范 围-20℃~100℃

润滑油（脂）注油量(l)

型号 / 规格	HK35 (2T)	HK40 (3T)	HK50 (5T)	HK60 (10T)	HK60B (15T)	HK70 (20T)	HK100 (30T)	HK120 (40T)	HK130 (50T)	HK150 (100T)
注油量	0.06	0.1	0.2	0.35	0.4	0.5	1.5	2.2	3.5	4.0

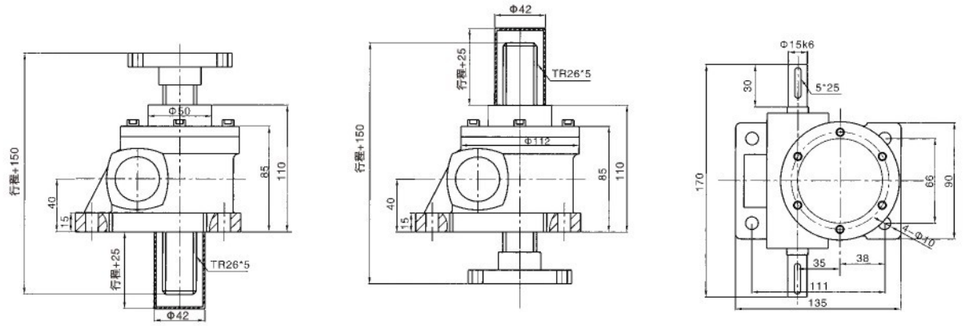
选型参数

型号规格	传动比	入力轴转速 1800r/min			入力轴转速 1500r/min			入力轴转速 1200r/min			入力轴转速 900r/min			入力轴转速 600r/min			入力轴转速 300r/min		
		入功率 (kW)	起升力 (kg)	起升速度 (m/min)	入功率 (kW)	起升力 (kg)	起升速度 (m/min)	入功率 (kW)	起升力 (kg)	起升速度 (m/min)	入功率 (kW)	起升力 (kg)	起升速度 (m/min)	入功率 (kW)	起升力 (kg)	起升速度 (m/min)	入功率 (kW)	起升力 (kg)	起升速度 (m/min)
HK35 (2T)	1/5	0.69	500	1.80	0.64	550	1.50	0.65	700	1.20	0.63	900	0.90	0.46	1000	0.60	0.37	1000	0.30
	1/10	0.37	500	0.90	0.37	550	0.75	0.37	700	0.60	0.37	950	0.45	0.37	1000	0.30	0.19	1350	0.15
	1/20	0.37	600	0.45	0.37	700	0.38	0.37	900	0.30	0.37	1200	0.23	0.19	1350	0.15	0.19	1350	0.08
HK40 (3T)	1/6	0.98	700	1.80	0.93	800	1.50	0.88	950	1.20	0.91	1300	0.90	0.84	1800	0.60	0.42	1800	0.30
	1/12	0.66	950	0.90	0.64	1100	0.75	0.61	1300	0.60	0.57	1650	0.45	0.46	2000	0.30	0.37	2000	0.15
	1/24	0.37	950	0.45	0.37	1100	0.38	0.37	1300	0.30	0.37	1650	0.23	0.37	2000	0.15	0.19	2000	0.08
HK50 (5T)	1/6	1.39	900	1.80	1.28	1000	1.50	1.24	1200	1.20	1.16	1500	0.90	0.87	1700	0.60	0.54	2100	0.30
	1/12	1.10	1350	0.90	1.01	1500	0.75	0.98	1800	0.60	0.87	2150	0.45	0.58	2150	0.30	0.37	2500	0.15
	1/24	0.78	1800	0.45	0.72	2000	0.38	0.69	2400	0.30	0.55	2550	0.23	0.42	2900	0.15	0.37	2850	0.08
HK60 (10T)	1/8	2.12	1300	1.80	1.97	1450	1.50	1.85	1700	1.20	1.72	2100	0.90	1.66	3050	0.60	1.31	4800	0.30
	1/16	1.12	1300	0.90	1.04	1450	0.75	0.98	1700	0.60	0.95	2200	0.45	0.87	3050	0.30	0.69	4800	0.15
	1/32	0.80	1750	0.45	0.75	1950	0.38	0.69	2250	0.30	0.64	2800	0.23	0.63	4100	0.15	0.48	6400	0.08
HK60B (15T)	1/8	2.00	1300	1.80	1.86	1450	1.50	1.75	1700	1.20	1.62	2100	0.90	1.57	3050	0.60	1.24	4800	0.30
	1/16	1.06	1300	0.90	0.98	1450	0.75	0.93	1700	0.60	0.89	2200	0.45	0.83	3050	0.30	0.65	4800	0.15
	1/32	0.75	1750	0.45	0.70	1950	0.38	0.65	2250	0.30	0.61	2800	0.23	0.59	4100	0.15	0.46	6400	0.08
HK70 (20T)	1/10	2.66	1400	1.80	2.42	1850	1.50	2.25	1950	1.20	2.12	2450	0.90	1.93	3350	0.60	1.41	4900	0.30
	1/20	1.42	1600	0.90	1.47	1850	0.75	1.37	2250	0.60	1.28	2800	0.45	1.18	3850	0.30	0.86	5600	0.15
	1/40	1.14	2400	0.45	1.17	2800	0.38	1.09	3350	0.30	1.07	4400	0.23	0.93	5750	0.15	0.69	8400	0.08
HK100 (30T)	1/12	3.62	1850	1.80	3.51	2150	1.50	3.39	2600	1.20	3.18	3250	0.90	2.94	4500	0.60	2.09	6400	0.30
	1/18	2.65	1900	1.20	2.68	2300	1.00	2.57	2750	0.80	2.45	3500	0.60	2.19	4700	0.40	1.56	6700	0.20
	1/36	1.66	2200	0.60	1.63	2600	0.50	1.60	3200	0.40	1.47	3900	0.30	1.36	5400	0.20	1.20	9600	0.10
HK120 (40T)	1/12	4.15	1975	1.80	4.02	2300	1.50	3.81	2725	1.20	3.80	3625	0.90	3.48	4975	0.60	2.48	7050	0.30
	1/18	3.20	2125	1.20	3.20	2550	1.00	3.04	3025	0.80	3.03	4025	0.60	2.74	5450	0.40	1.94	7725	0.20
	1/36	2.14	2625	0.60	2.07	3050	0.50	1.98	3650	0.40	1.99	4875	0.30	1.80	6600	0.20	1.40	10300	0.10
HK130 (50T)	1/7	9.47	2100	3.60	9.17	2450	3.00	9.02	2850	2.40	8.58	4000	1.80	8.20	5450	1.20	5.84	7750	0.60
	1/14	5.76	2350	1.80	5.71	2800	1.50	5.57	3300	1.20	5.39	4550	0.90	5.06	6200	0.60	3.57	8750	0.30
	1/28	4.07	3050	0.90	3.89	3500	0.75	3.91	4100	0.60	3.65	5850	0.45	3.48	7800	0.30	2.45	11000	0.15
HK150 (100T)	1/8	16.3	3500	3.60	16.1	4000	3.00	15.8	5400	2.40	15.1	7100	1.80	14.8	9850	1.20	9.70	12950	0.60
	1/16	11.7	4300	1.80	11.6	5400	1.50	10.5	7200	1.20	11.00	9450	0.90	9.62	11800	0.60	7.08	17350	0.30
	1/32	8.65	5500	0.90	9.55	6800	0.75	7.35	10000	0.60	7.53	14300	0.45	7.02	15750	0.30	5.80	26050	0.15

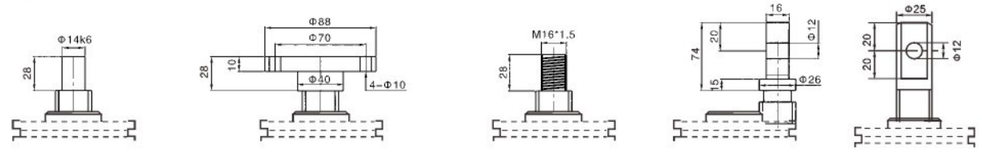
TAIGONG 泰工减速机
HK系列蜗轮丝杆升降机
HK SERIES WORM GEAR SCREW JACK

HK-35(2T) 装配图

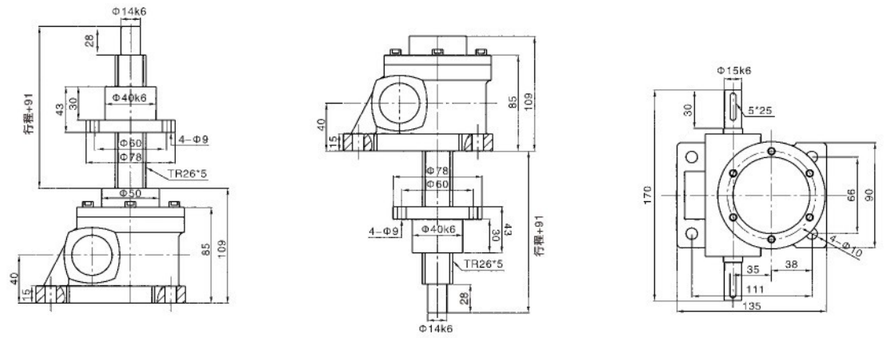
Ⅰ型结构型式



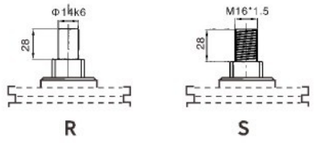
丝杆头部型式



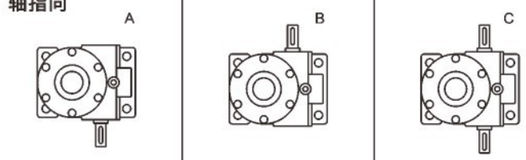
Ⅱ型结构型式



丝杆头部型式

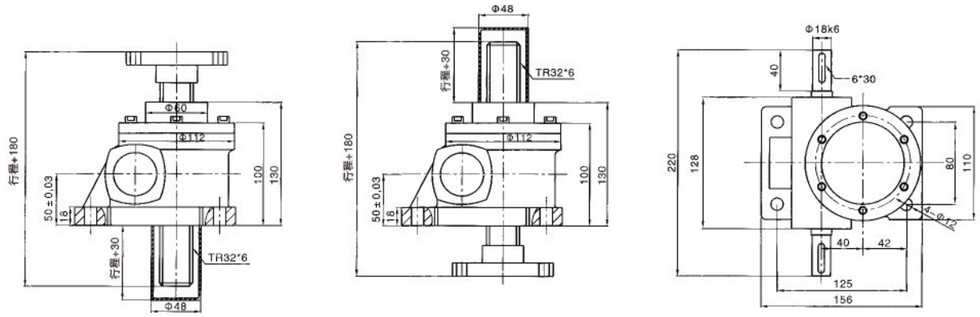


轴指向

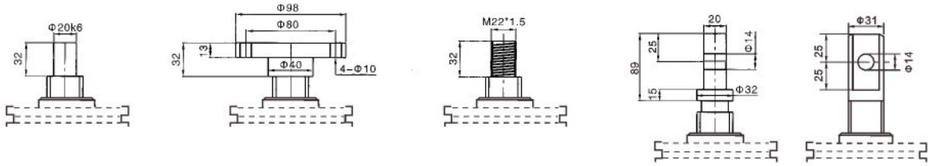


HK-40(3T) 装配图

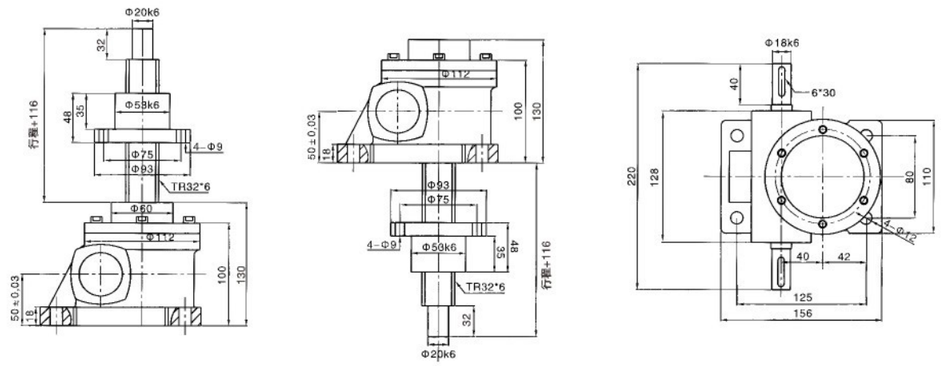
Ⅰ型结构型式



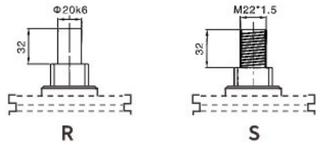
丝杆头部型式

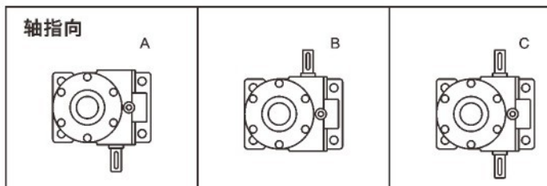


Ⅱ型结构型式



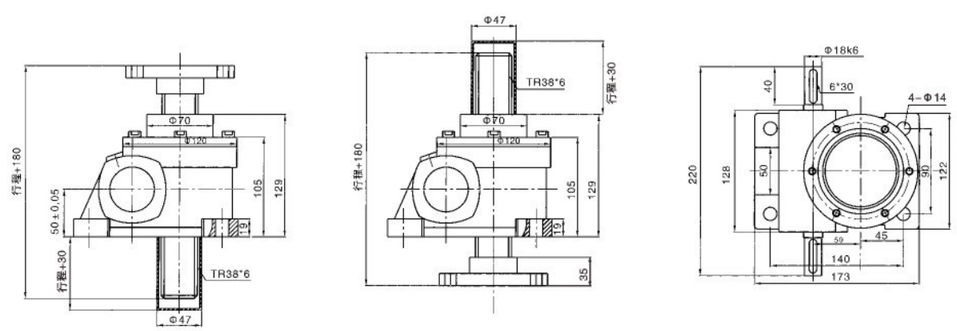
丝杆头部型式



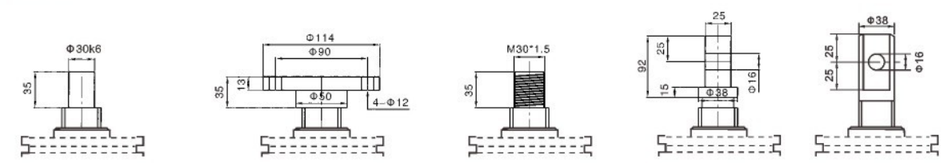


HK-50(5T) 装配图

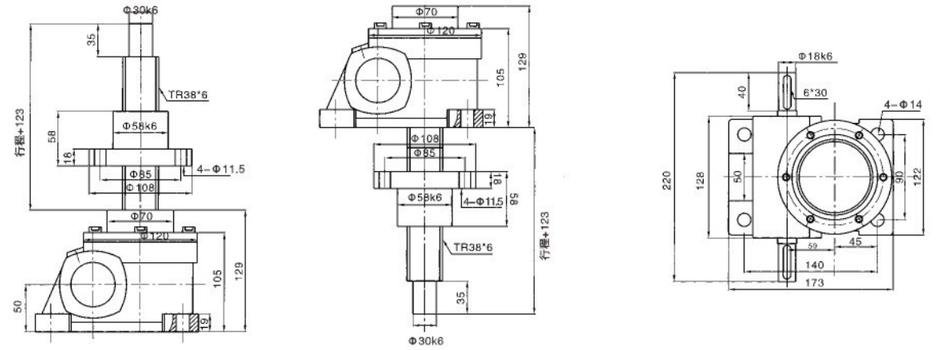
Ⅰ型结构型式



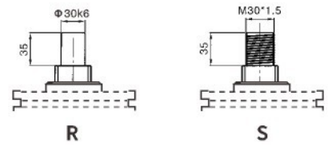
丝杆头部型式

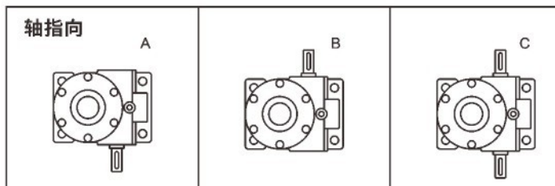


Ⅱ型结构型式



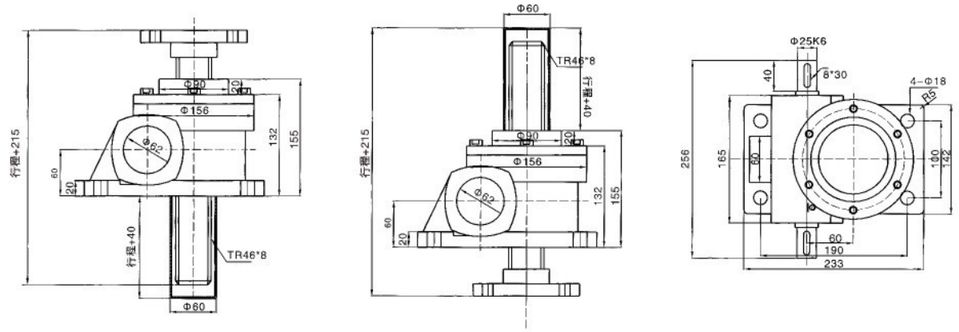
丝杆头部型式



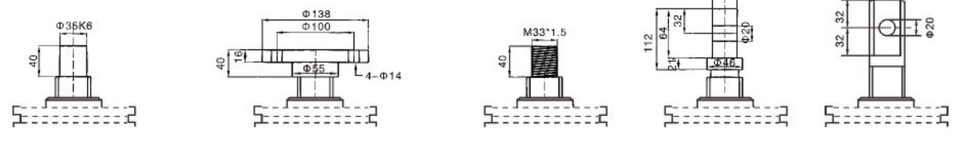


HK-60(10T) 装配图

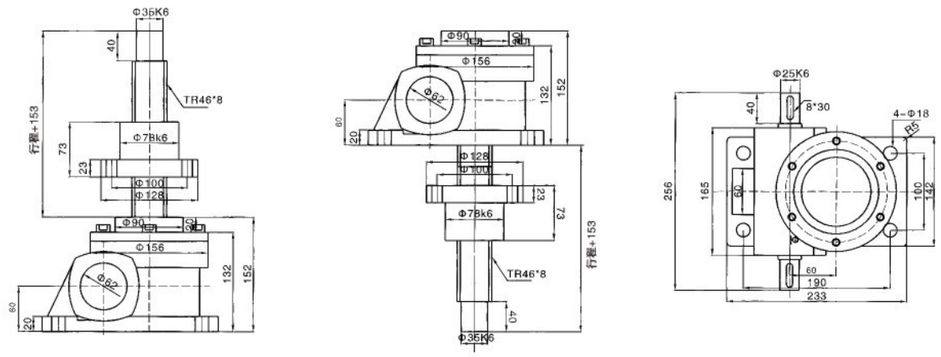
Ⅰ型结构型式



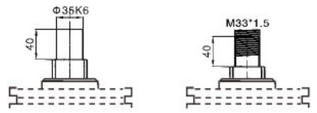
丝杆头部型式

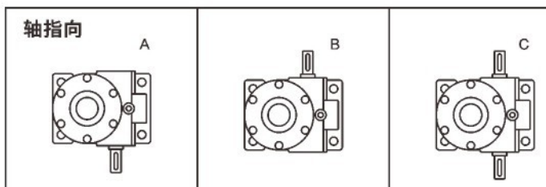


Ⅱ型结构型式



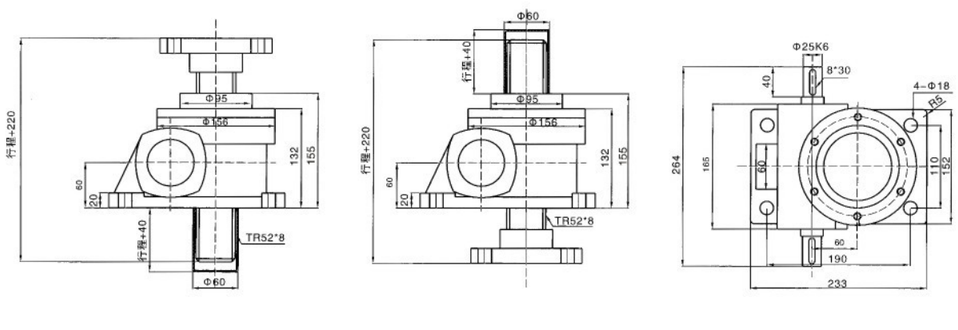
丝杆头部型式



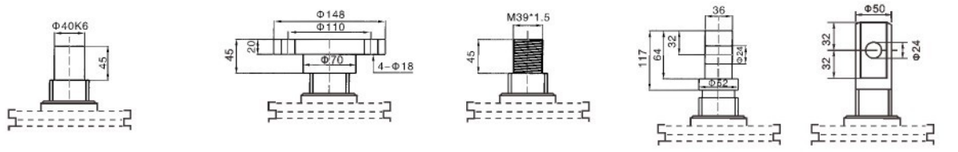


HK-60B(15T) 装配图

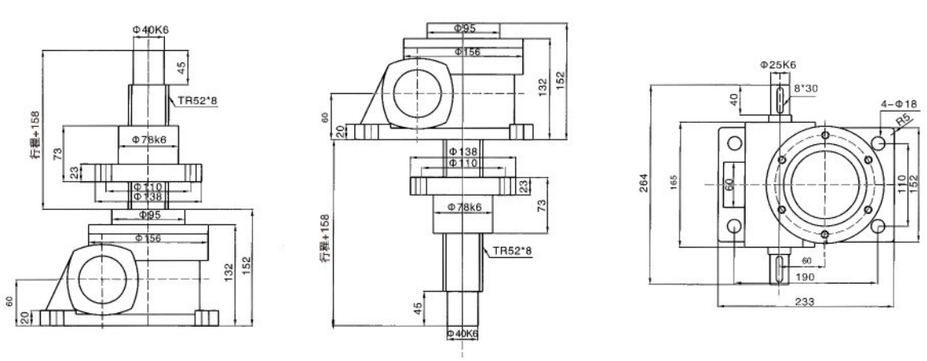
Ⅰ型结构型式



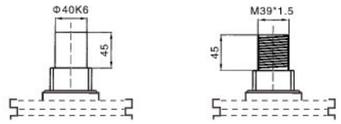
丝杆头部型式

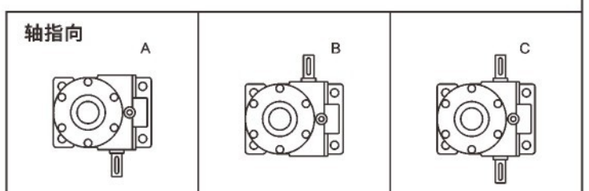


Ⅱ型结构型式



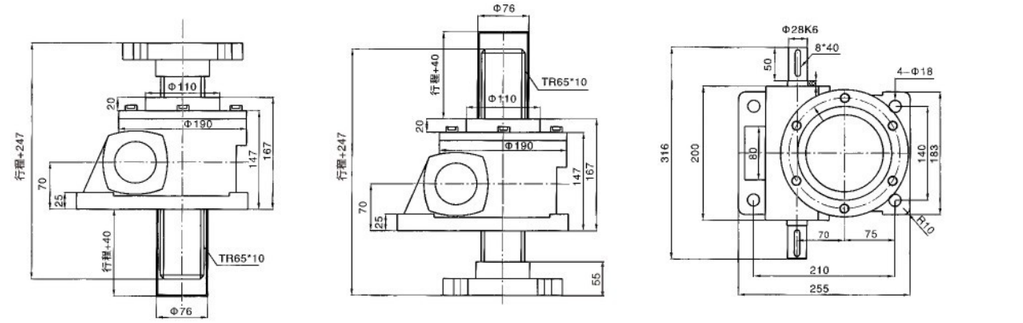
丝杆头部型式



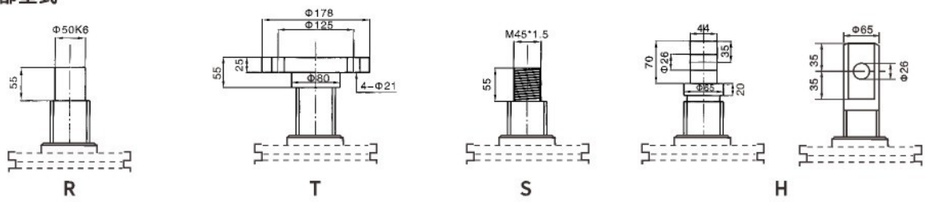


HK-70(20T) 装配图

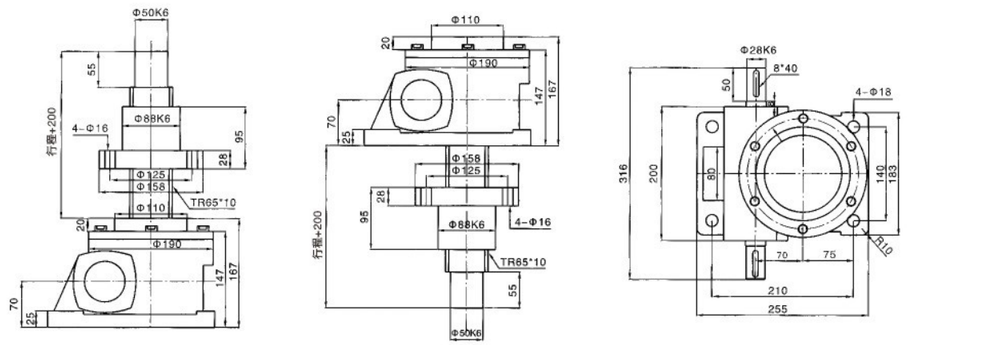
Ⅰ型结构型式



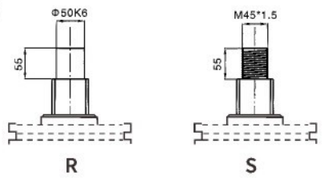
丝杆头部型式



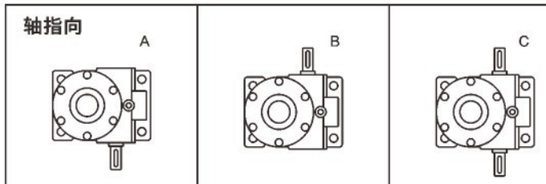
Ⅱ型结构型式



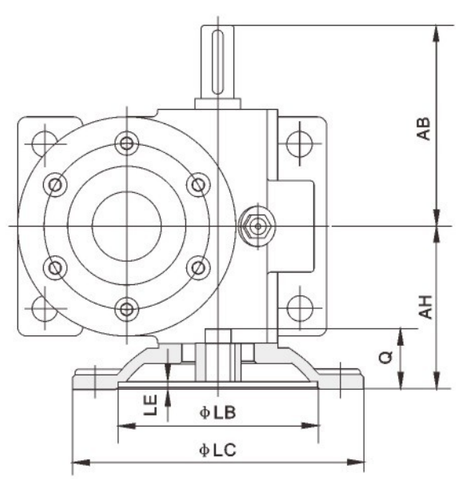
丝杆头部型式

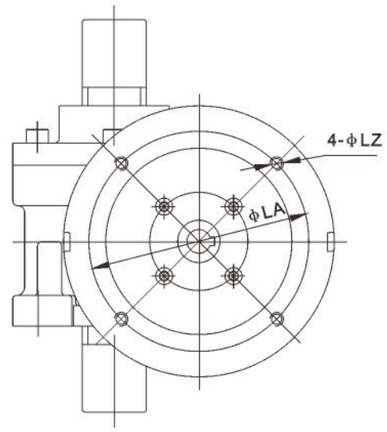


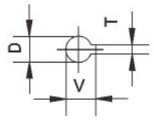
轴指向



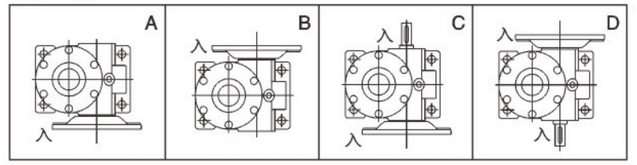
HKD 安装尺寸







轴指向表示 SHAFT DIRECTION



型号规格	入功率(kw)	法兰代号	AB	AH	LA	LB	LC	LE	LZ	D	Q	T×V	电机长度
HKD35（2T）	0.12/0.18	60B5/B14	85	85	115	95	140	4	M8	ϕ11	33	4×12.8	195
	0.25/0.37	71B5/B14											
HKD40（3T）	0.25/0.37	71B5/B14	110	104	130	110	160	4	M8	ϕ14	33	5×16.3	225
	0.55/0.75	80B5/B14											
HKD50（5T）	0.55/0.75	80B5/B14	110	103.5	130	110	160	4	M8	ϕ14	33	5×16.3	225
	1.1/1.5	90B5/B14											
HKD60（10T）	1.1/1.5	90B5/B14	128	130.5	165	130	200	4.5	M10	ϕ19	43	6×21.8	225
	2.2/3.0/4.0	110B5/112B5/B14								ϕ24	53	8×27.3	290
HKD60B（15T）	1.1/1.5	90B5/B14	132	130.5	165	130	200	4.5	M10	ϕ19	43	6×21.8	255
	2.2/3.0/4.0	110B5/112B5/B14								ϕ24	53	8×27.3	290
HKD70（20T）	2.2/3.0/4.0	100B5/112B5/B14	158	146.5	215	180	250	5	M12	ϕ28	63	8×31.3	340

注：配电机法兰B14和伺服电机方法兰安装尺寸请咨询客服。

故障分析

故障情况	故障原因	解决办法
振 动	原动机与升降机连接不当	调整至适当位置，重新正确固紧
	蜗轮副齿部磨耗或损伤	更换蜗轮副 (需要时本公司配合)
	轴承磨损	更换轴承
	螺栓松脱	固紧螺栓
杂 音	轴承损伤或间隙过大	更换轴承
	蜗轮副啮合不良	修整齿面或更换蜗轮副 (请与本公司联系)
	润滑油（脂）过少	补加润滑油(脂)
漏 油	油封唇口磨损	更换油封
	油封档轴颈磨损	更换输入轴或蜗轮
蜗轮副齿面磨损过快	超负荷运转	调整至适当负荷
	润滑油（脂）不符合要求	按油品润滑更换润滑油（脂）
	润滑油（脂）过少	补加润滑油（脂）
	未按规定适时换油，润滑油劣化	按规定要求适时换油
	运转温度过高	采取合适措施，降低环境温度
丝杆副齿面磨损过快	超负荷运转	调整至适当负荷
	润滑脂干枯或变质	去污擦净，重新加润滑脂
	有横向载荷	加导向装置

注：如果发生其他故障无法解决时，请随时与我们联系，以便提供咨询服务。

06

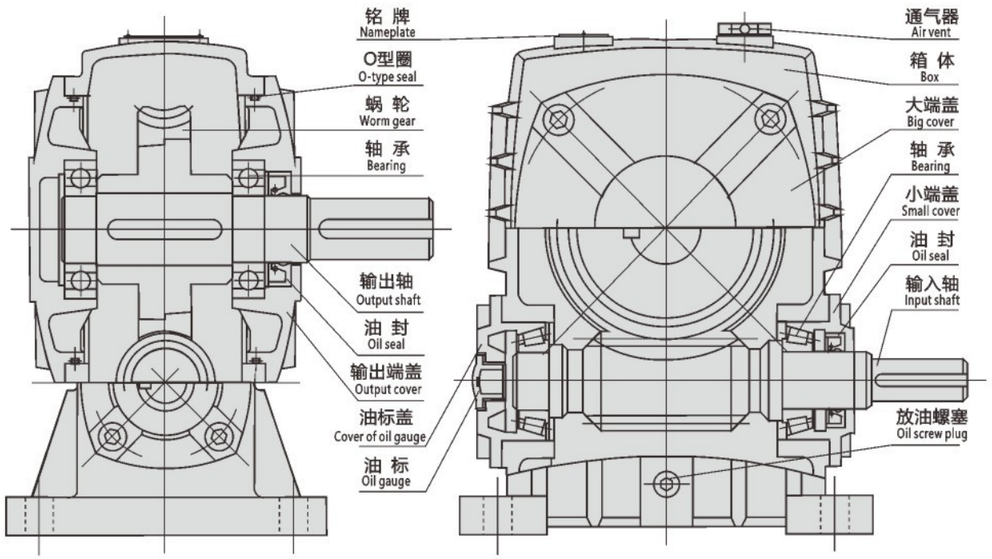
TAIGONG 泰工减速机

WP SERIES WORM GEARBOX

WP系列蜗轮蜗杆减速机

15年生产经验 10万+企业共同的选择

1.产品结构图 Product structural view



2.型号结构表 Model and structure table

W	P	W	E	D	K	A	50/80	-	600	-	B
1	2	3	4	5	6	7	8		9		10

1 产品代码 **W**－蜗轮减速机 Product Code **W**-worm gear reducer

2 箱体结构 **P**－整体 Box structure **P**-whole

3 箱体型式 **W**－万能型 无代码－基本型 Box model **W**-universal Non-code-basic

4 整机结构 **E**－双级 **EE**－多级 无代码－基本型 Unit structure **E**-double **EE**-multistage Non-code-basic

5 输入轴联接方式 **D**－带电机法兰 无代码－基本型 Connector of input shaft **D**-with motor flange Non-code-basic

6 输出轴结构 **K**－中空输出轴 无代码－基本型 Structure of output shaft **K**-hollow Non-code-basic

7 输出、输入轴置式 **A**-入轴在下 **S**-入轴在上 **O**-出轴向上 **X**-出轴向下 **T**-入轴向上 **V**-入轴向下 无代码－万能型 Arrangement of input or output shaft **A**-input shaft is below **S**-input shaft is above **O**-output shaft is upward **X**-output shaft is downward **T**-input shaft is upward **V**-input shaft is downward Non-code-universal

8 规 格 以中心距表示 50/80 Size signed by center distance 50/80

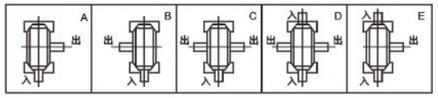
9 传 动 比 **600** Ratio **600**

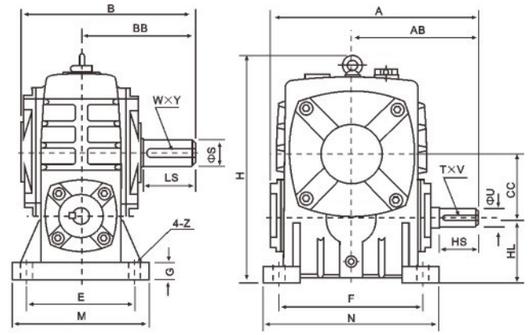
10 轴 指 向 按产品样本轴指向图选定 **B** Selecting it according to shaft direction figure in this manual **B**

3.安装尺寸 Dimensions of outline installation

WPA 型[MODEL]

轴指向表示 SHAFT DIRECTION

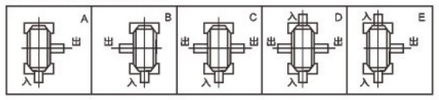


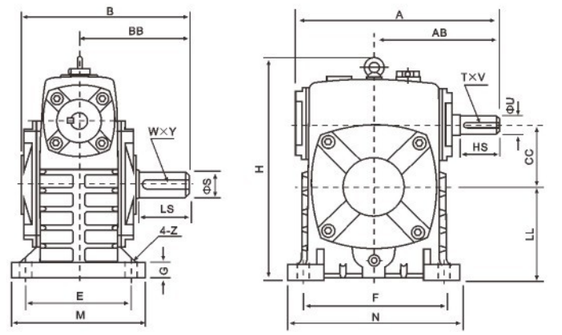


型号 size	传动比 ratio	A	AB	B	BB	CC	H	HL	M	N	E	F	G	Z	输入轴input shaft HS	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)	油量 (L)
40		143	87	114	74	40	138	40	90	100	70	80	13	10	25	12	4×2.5	28	14	5×3	4	0.13
50		175	107	150	97	50	173	50	120	140	95	110	15	12	30	12	4×2.5	40	17	5×3	7	0.17
60	1/10	198	122	168	112	60	204	60	130	150	105	120	20	12	40	15	5×3	50	22	6×3.5	10	0.22
70	1/15	231	140	194	131	70	236	70	150	190	115	150	20	15	40	18	6×3.5	60	28	8×4	15	0.60
80	1/20	261	160	214	142	80	268	80	170	220	135	180	20	15	50	22	6×3.5	65	32	10×5	20	0.85
100	1/25	322	190	254	169	100	329	100	190	270	155	220	25	15	50	25	8×4	75	38	10×5	35	1.50
120	1/30	381	229	282	190	120	430	120	230	320	180	260	30	18	65	30	8×4	85	45	14×5.5	60	3.20
135	1/40	433	260	317	210	135	480	135	250	350	200	290	30	18	75	35	10×5	95	55	16×6	80	3.60
147	1/50	439	264	324	212	147	501	123	250	350	200	280	32	18	80	35	10×5	95	55	16×6	90	3.70
155	1/60	504	302	382	252	155	531	135	275	390	220	320	35	21	85	40	12×5	110	60	18×7	110	3.80
175		545	325	402	262	175	600	160	310	430	250	350	40	21	85	45	14×5.5	110	65	18×7	150	4.60
200		587	350	467	305	200	667	175	360	480	290	390	40	24	95	50	14×5.5	125	70	20×7.5	215	6.50
250		705	420	552	360	250	800	200	460	560	380	480	45	28	110	60	18×7	155	90	25×9	360	9.00

WPS 型[MODEL]

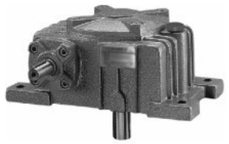
轴指向表示 SHAFT DIRECTION



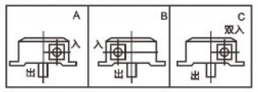


型号 size	传动比 ratio	A	AB	B	BB	CC	H	LL	M	N	E	F	G	Z	输入轴input shaft HS	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)	油量 (L)
40		143	87	114	74	40	141	60	90	100	70	80	13	10	25	12	4×2.5	28	14	5×3	4	0.30
50		175	107	150	97	50	180	80	120	140	95	110	15	12	30	12	4×2.5	40	17	5×3	7	0.45
60	1/10	198	122	168	112	60	207	90	130	150	105	120	20	12	40	15	5×3	50	22	6×3.5	10	0.55
70	1/15	231	140	194	131	70	238	105	150	190	115	150	20	15	40	18	6×3.5	60	28	8×4	15	0.80
80	1/20	261	160	214	142	80	270	120	170	220	135	180	20	15	50	22	6×3.5	65	32	10×5	20	1.10
100	1/25	322	190	254	169	100	331	150	190	270	155	220	25	15	50	25	8×4	75	38	10×5	35	2.90
120	1/30	381	229	282	190	120	423	180	230	320	180	260	30	18	65	30	8×4	85	45	14×5.5	60	4.40
135	1/40	433	260	317	210	135	482	215	250	350	200	290	30	18	75	35	10×5	95	55	16×6	80	6.20
147	1/50	439	264	324	212	147	495	203	250	350	200	280	32	18	80	35	10×5	95	55	16×6	90	6.35
155	1/60	504	302	382	252	155	541	235	275	390	220	320	35	21	85	40	12×5	110	60	18×7	110	6.50
175		545	325	402	262	175	594	260	310	430	250	350	40	21	85	45	14×5.5	110	65	18×7	150	8.00
200		587	350	467	305	200	677	290	360	480	290	390	40	24	95	50	14×5.5	125	70	20×7.5	215	9.30
250		705	420	552	360	250	824	350	460	560	380	480	45	28	110	60	18×7	155	90	25×9	360	18.0

WPX 型[MODEL]

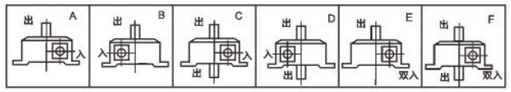


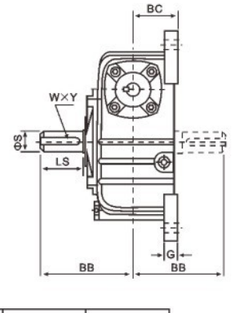
WPX轴指向表示
SHAFT DIRECTION

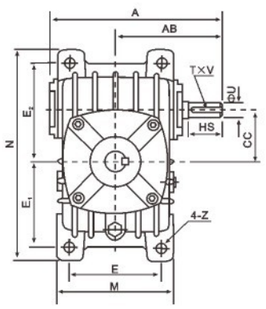


WPO 型[MODEL]

WPO轴指向表示
SHAFT DIRECTION



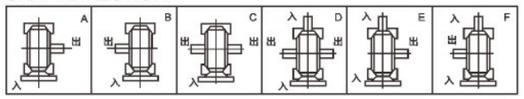


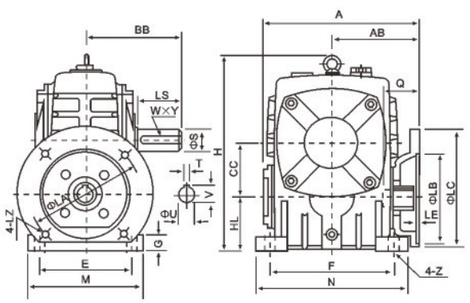


型号 size	传动比 ratio	A	AB	BB	BC	CC	M	N	E	E_1	E_2	G	Z	输入轴input shaft			输出轴output shaft			重量 (kg)	油量 (L)
														HS	U	T×V	LS	S	W×Y		
40		143	87	74	45	40	94	184	70	74	86	10	10	25	12	4×2.5	28	14	5×3	5	0.36
50		175	107	97	50	50	116	220	90	93	102	15	12	30	12	4×2.5	40	17	5×3	6	0.50
60	1/10	198	122	112	55	60	126	260	100	105	120	20	12	40	15	5×3	50	22	6×3.5	10	0.60
70	1/15	231	140	131	65	70	156	295	120	120	135	20	15	40	18	6×3.5	60	28	8×4	15	1.10
80	1/20	261	160	142	70	80	175	320	140	130	150	20	15	50	22	6×3.5	65	32	10×5	20	1.50
100	1/25	322	190	169	90	100	224	375	190	155	180	26	15	50	25	8×4	75	38	10×5	35	4.00
120	1/30	381	229	190	100	120	266	450	220	185	215	30	18	65	30	8×4	85	45	14×5.5	50	5.20
135	1/40	433	260	210	110	135	306	495	260	210	235	30	18	75	35	10×5	95	55	16×6	75	7.50
147	1/50	439	264	212	113	147	310	556	250	254	254	32	18	80	35	10×5	95	55	16×6	90	8.50
155	1/60	504	302	252	140	155	350	590	290	245	295	35	21	85	40	12×5	110	60	18×7	115	9.30
175		545	325	262	150	175	394	640	320	267	323	40	21	85	45	14×5.5	110	65	18×7	140	10.5
200		587	350	305	175	200	440	710	370	290	360	40	24	95	50	14×5.5	125	70	20×7.5	200	12.7
250		705	420	360	200	250	510	860	440	350	440	45	28	110	60	18×7	155	90	25×9	340	23.0

WPDA 型[MODEL]

轴指向表示
SHAFT DIRECTION

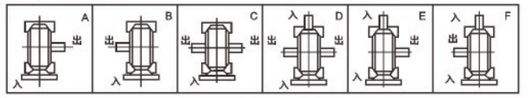


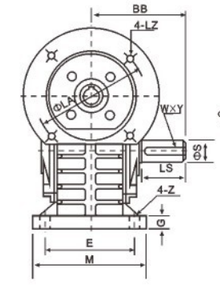


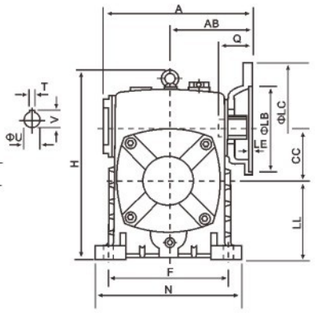
型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	CC	H	HL	M	N	E	F	G	Z	电机法兰flange					入力孔input hole			输出轴output shaft			重量 (kg)
															LA	LB	LC	LE	LZ	Q	U	T×V	LS	S	W×Y	
40	0.12		135	75	74	40	138	40	90	100	70	80	13	10	115	95	140	4	M8	31	11	4×12.8	28	14	5×3	5
50	0.18		151	83	97	50	176	50	120	140	95	110	15	12	115	95	140	4	M8	31	11	4×12.8	40	17	5×3	8
60	0.37		167	91	112	60	204	60	130	150	105	120	20	12	130	110	160	4	M8	33	14	5×16.3	50	22	6×3.5	11
70	0.37		200	109	131	70	236	70	150	190	115	150	20	15	130	110	160	4	M8	40	14	5×16.3	60	28	8×4	17
	0.75		202	111											165	130	200		M10	42	19	6×21.8				
80	0.75		225	125	142	80	268	80	170	220	135	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	22
	1.5																			52	24	8×27.3				
100	1.5	1/10	280	148	169	100	336	100	190	270	155	220	25	15	165	130	200	4.5	M10	52	24	8×27.3	75	38	10×5	38
120	2.2	1/15	333	181	190	120	430	120	230	320	180	260	30	18	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	64
	3.0	1/20																								
135	3.0	1/25	375	202	210	135	480	135	250	350	200	290	30	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	85
	4.0	1/30																								
147	3.0	1/40	380	204	212	147	501	123	250	350	200	280	32	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	96
	4.0	1/50																								
155	4.0	1/60	425	224	252	155	531	135	275	390	220	320	35	21	215	180	250	5	M12	63	28	8×31.3	110	60	18×7	118
	5.5		448	247											265	230	300	5	M12	83	38	10×41.3				
175	5.5		481	262	262	175	600	160	310	430	250	350	40	21	265	230	300	5	M12	83	38	10×41.3	110	65	18×7	165
	7.5																									
200	7.5		516	258	305	200	666	175	360	480	290	390	40	24	265	230	300	5	M12	83	38	10×41.3	125	70	20×7.5	236
	11.0		543	285											300	250	350	6	M16	114	42	12×45.3				
250	11.0		615	330	360	250	800	200	460	560	380	480	45	28	300	250	350	6	M16	114	42	12×45.3	155	90	25×9	396
	15.0																									

WPDS 型[MODEL]

轴指向表示
SHAFT DIRECTION



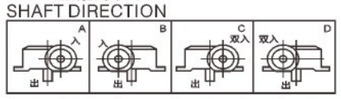




型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	CC	H	LL	M	N	E	F	G	Z	电机法兰flange					入力孔input hole			输出轴output shaft			重量 (kg)
															LA	LB	LC	LE	LZ	Q	U	T×V	LS	S	W×Y	
40	0.12		135	75	74	40	141	60	90	100	70	80	13	10	115	95	140	4	M8	31	11	4×12.8	28	14	5×3	5
50	0.18		151	83	97	50	180	80	120	140	95	110	15	12	115	95	140	4	M8	31	11	4×12.8	40	17	5×3	8
60	0.37		167	91	112	60	207	90	130	150	105	120	20	12	130	110	160	4	M8	33	14	5×16.3	50	22	6×3.5	11
70	0.37		200	109	131	70	238	105	150	190	115	150	20	15	130	110	160	4	M8	40	14	5×16.3	60	28	8×4	17
	0.75		202	111											165	130	200		M10	42	19	6×21.8				
80	0.75		225	125	142	80	273	120	170	220	135	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	22
	1.5																			52	24	8×27.3				
100	1.5	1/10	280	148	169	100	334	150	190	270	155	220	25	15	165	130	200	4.5	M10	52	24	8×27.3	75	38	10×5	38
120	1.5	1/15	333	181	190	120	423	180	230	320	180	260	30	18	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	64
	2.2	1/20																								
	3.0	1/25																								
135	3.0	1/30	375	202	210	135	482	215	250	350	200	290	30	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	85
	4.0	1/40																								
147	3.0	1/50	380	204	212	147	495	203	250	350	200	280	32	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	96
	4.0	1/60																								
155	4.0		425	224	252	155	541	235	275	390	220	320	35	21	215	180	250	5	M12	63	28	8×31.3	110	60	18×7	118
	5.5		448	247											265	230	300	5	M12	83	38	10×41.3				
175	5.5		481	262	262	175	600	260	310	430	250	350	40	21	265	230	300	5	M12	83	38	10×41.3	110	65	18×7	165
	7.5																									
200	7.5		516	258	305	200	677	290	360	480	290	390	40	24	265	230	300	5	M12	83	38	10×41.3	125	70	20×7.5	236
	11.0		543	285											300	250	350	6	M16	114	42	12×45.3				
250	11.0		615	330	360	250	824	350	460	560	380	480	45	28	300	250	350	6	M16	114	42	12×45.3	155	90	25×9	396
	15.0																									

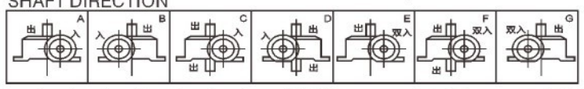
WPDX 型[MODEL]

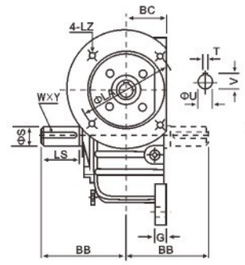
WPDX轴指向表示
SHAFT DIRECTION

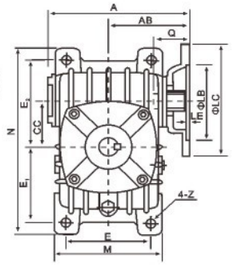


WPDO 型[MODEL]

WPDO轴指向表示
SHAFT DIRECTION

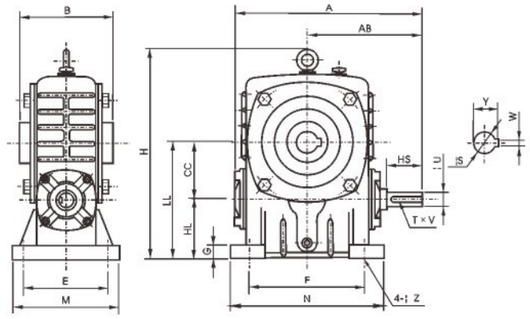




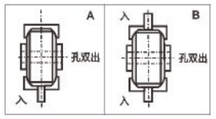


型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	BC	CC	M	N	E	E_1	E_2	G	Z	电机法兰flange					入力孔input hole			输出轴output shaft			重量 (kg)
															LA	LB	LC	LE	LZ	Q	U	T×V	LS	S	W×Y	
40	0.12		135	76	74	45	40	94	184	70	74	86	10	10	115	95	140	4	M8	31	11	4×12.8	28	14	5×3	5
50	0.18		151	83	97	50	50	116	220	90	93	102	15	12	115	95	140	4	M8	31	11	4×12.8	40	17	5×3	8
60	0.37		167	91	112	55	60	126	260	100	105	120	20	12	130	110	160	4	M8	33	14	5×16.3	50	22	6×3.5	11
70	0.37		200	109	131	65	70	156	295	120	120	135	20	15	130	110	160	4	M8	40	14	5×16.3	60	28	8×4	17
	0.75		202	111											165	130	200		M10	42	19	6×21.8				
80	0.75		225	125	142	70	80	175	320	140	130	150	20	15	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	22
	1.5																			52	24	8×27.3				
100	1.5	1/10	280	148	169	90	100	224	375	190	155	180	26	15	165	130	200	4.5	M10	52	24	8×27.3	75	38	10×5	38
120	2.2	1/15	333	181	190	100	120	266	450	220	185	215	30	18	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	54
	3.0	1/20																								
135	3.0	1/25	375	202	210	110	135	306	495	260	210	235	30	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	80
	4.0	1/30																								
147	3.0	1/40	380	204	212	113	147	310	556	250	254	254	32	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	96
	4.0	1/50																								
155	4.0	1/60	425	224	252	140	155	350	590	290	245	295	35	21	215	180	250	5	M12	63	28	8×31.3	110	60	18×7	122
	5.5		448	247											265	230	300	5	M12	83	38	10×41.3				
175	5.5		481	262	262	150	175	394	640	320	267	323	40	21	265	230	300	5	M12	83	38	10×41.3	110	65	18×7	154
	7.5																									
200	7.5		516	258	305	175	200	440	710	370	290	360	40	24	265	230	300	5	M12	83	38	10×41.3	125	70	20×7.5	220
	11.0		543	285											300	250	350	6	M16	114	42	12×45.3				
250	11.0		615	330	360	200	250	510	860	440	350	440	45	28	300	250	350	6	M16	114	42	12×45.3	155	90	25×9	374
	15.0																									

WPKA 型[MODEL]

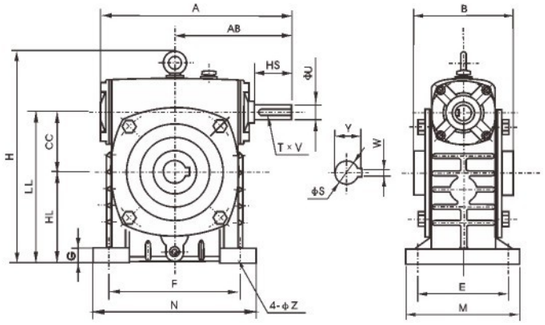


轴指向表示
SHAFT DIRECTION

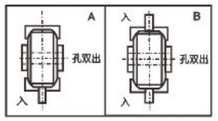


型号 size	传动比 ratio	A	AB	B	CC	HL	LL	H	M	N	E	F	G	Z	入力轴 input shaft			出力轴 output shaft		重量 (kg)
															HS	U	T×V	S	W×Y	
40	1/10 1/15 1/20 1/25 1/30 1/40 1/50 1/60	143	87	90	40	40	80	138	90	100	70	80	13	10	25	12	4×2.5	16	5×18.3	4.5
50		175	107	110	50	50	100	173	120	140	95	110	15	12	30	12	4×2.5	20	6×22.8	7.5
60		198	122	120	60	60	120	204	130	150	105	120	20	12	40	15	5×3	25	8×28.3	11.5
70		231	140	132	70	70	140	236	150	190	115	150	20	15	40	18	6×3.5	30	8×33.3	15.5
80		261	160	150	80	80	160	268	170	220	135	180	20	15	50	22	6×3.5	35	10×38.3	24
100		322	190	174	100	100	200	329	190	270	155	220	25	15	50	25	8×4	40	12×43.3	39
120		381	229	180	120	120	240	430	230	320	180	260	30	18	65	30	8×4	45	14×48.8	57
135		433	260	214	135	135	270	480	250	350	200	290	30	18	75	35	10×5	60	18×64.4	85
155		504	302	256	155	135	290	531	275	390	220	320	35	21	85	40	12×5	70	20×74.9	110
175		545	325	282	175	160	335	600	310	430	250	350	40	21	85	45	14×5.5	80	22×85.4	152
200		587	350	324	200	175	375	667	360	480	290	390	40	24	95	60	14×5.5	85	22×90.4	216

WPKS 型[MODEL]

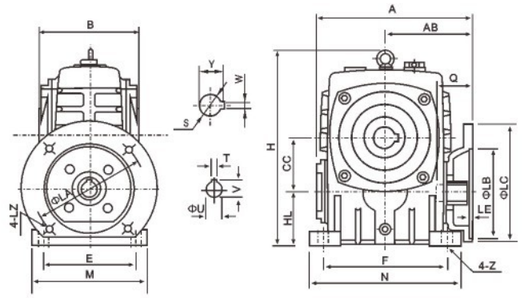


轴指向表示
SHAFT DIRECTION

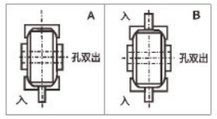


型号 size	传动比 ratio	A	AB	B	CC	HL	LL	H	M	N	E	F	G	Z	入力轴 input shaft			出力轴 output shaft		重量 (kg)
															HS	U	T×V	S	W×Y	
40	1/10 1/15 1/20 1/25 1/30 1/40 1/50 1/60	143	87	90	40	60	100	141	90	100	70	80	13	10	25	12	4×2.5	16	5×18.3	4.5
50		175	107	110	50	80	130	180	120	140	95	110	15	12	30	12	4×2.5	20	6×22.8	7.5
60		198	122	120	60	90	150	207	130	150	105	120	20	12	40	15	5×3	25	8×28.3	11.5
70		231	140	132	70	105	175	238	150	190	115	150	20	15	40	18	6×3.5	30	8×33.3	15.5
80		261	160	150	80	120	200	270	170	220	135	180	20	15	50	22	6×3.5	35	10×38.3	24
100		322	190	174	100	150	250	331	190	270	155	220	25	15	50	25	8×4	40	12×43.3	39
120		381	229	180	120	180	300	423	230	320	180	260	30	18	65	30	8×4	45	14×48.8	57
135		433	260	214	135	215	350	482	250	350	200	290	30	18	75	35	10×5	60	18×64.4	85
155		504	302	256	155	235	390	541	275	390	220	320	35	21	85	40	12×5	70	20×74.9	110
175		545	325	282	175	260	435	594	310	430	250	350	40	21	85	45	14×5.5	80	22×85.4	152
200		587	350	324	200	290	490	677	360	480	290	390	40	24	95	50	14×5.5	85	22×90.4	216

WPDKA 型[MODEL]

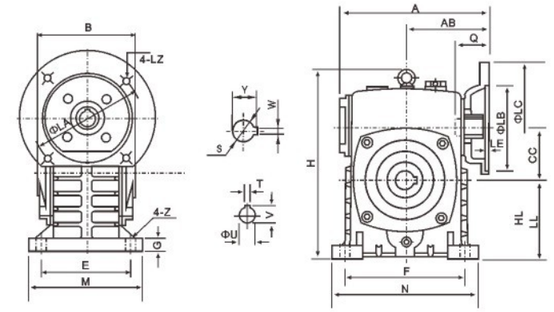


轴指向表示
SHAFT DIRECTION

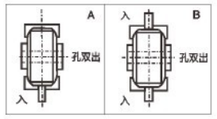


型号 size	入功率 (kw)	传动比 ratio	A	AB	B	CC	H	HL	M	N	E	F	G	Z	电机法兰flange					入力孔input hole			输出轴output shaft		重量 (kg)
															LA	LB	LC	LE	LZ	Q	U	T×V	S	W×Y	
50	0.18	1/10 1/15 1/20 1/25 1/30 1/40 1/50 1/60	151	83	97	50	176	50	120	140	95	110	15	12	115	95	140	4	M8	31	11	4×12.8	20	6×22.8	8
60	0.37		167	91	112	60	204	60	130	150	105	120	20	12	130	110	160	4	M8	33	14	5×16.3	25	8×28.3	10.5
70	0.37		200	109	131	70	236	70	150	190	115	150	20	15	130	110	160	4	M8	40	14	5×16.3	30	8×33.3	17
	0.75		202	111											165	130	200		M10	42	19	6×21.8			
80	0.75		225	125	142	80	268	80	170	220	135	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3	26
	1.5																			52	24	8×27.3			
100	1.5		280	148	169	100	336	100	190	270	155	220	25	15	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3	38
120	2.2		333	181	190	120	430	120	230	320	180	260	30	18	215	180	250	5	M12	63	28	8×31.3	45	14×48.8	60
	3.0																								
135	3.0		375	202	210	135	480	135	250	350	200	290	30	18	215	180	250	5	M12	63	28	8×31.3	60	18×64.4	85
	4.0																								
155	4.0		425	224	252	155	531	135	275	390	220	320	35	21	215	180	250	5	M12	63	28	8×31.3	70	20×74.9	120
	5.5		448	247											265	230	300	5	M12	83	38	10×41.3			
175	5.5		481	262	280	175	600	160	310	430	250	350	40	21	265	230	300	5	M12	83	38	10×41.3	80	22×85.4	150
	7.5																								
200	11.0		543	275	324	200	666	175	360	480	290	390	40	24	300	250	350	6	M16	114	42	12×45.3	85	22×90.4	236
250	11.0		636	316	400	250	800	200	460	560	380	480	45	28	300	250	350	6	M16	114	42	12×45.3	110	28×116.4	396
	15.0																								

WPDKS 型[MODEL]

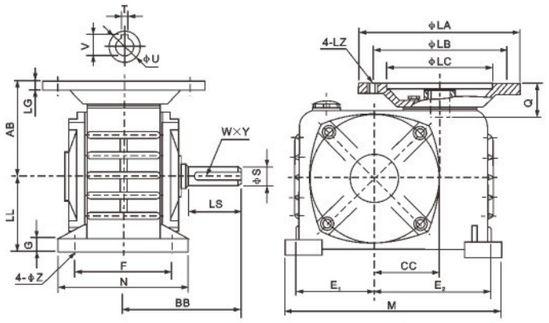


轴指向表示
SHAFT DIRECTION

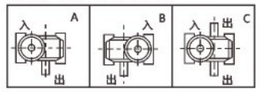


型号 size	入功率 (kw)	传动比 ratio	A	AB	B	CC	H	LL	M	N	E	F	G	Z	电机法兰flange					入力孔input hole			输出轴output shaft		重量 (kg)
															LA	LB	LC	LE	LZ	Q	U	T×V	S	W×Y	
50	0.18	1/10 1/15 1/20 1/25 1/30 1/40 1/50 1/60	151	83	97	50	176	80	120	140	95	110	15	12	115	95	140	4	M8	31	11	4×12.8	20	6×22.8	8
60	0.37		167	91	112	60	204	90	130	150	105	120	20	12	130	110	160	4	M8	33	14	5×16.3	25	8×28.3	10.5
70	0.37		200	109	131	70	236	105	150	190	115	150	20	15	130	110	160	4	M8	40	14	5×16.3	30	8×33.3	17
	0.75		202	111											165	130	200		M10	42	19	6×21.8			
80	0.75		225	125	142	80	268	120	170	220	135	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3	26
	1.5																			52	24	8×27.3			
100	1.5		280	148	169	100	336	150	190	270	155	220	25	15	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3	38
120	2.2		333	181	190	120	430	180	230	320	180	260	30	18	215	180	250	5	M12	63	28	8×31.3	45	14×48.8	60
	3.0																								
135	3.0		375	202	210	135	480	215	250	350	200	290	30	18	215	180	250	5	M12	63	28	8×31.3	60	18×64.4	85
	4.0																								
155	4.0		425	224	252	155	531	235	275	390	220	320	35	21	215	180	250	5	M12	63	28	8×31.3	70	20×74.9	120
	5.5		448	247											265	230	300	5	M12	83	38	10×41.3			
175	5.5		481	262	280	175	600	260	310	430	250	350	40	21	265	230	300	5	M12	83	38	10×41.3	80	22×85.4	150
	7.5																								
200	11.0		543	275	324	200	666	175	360	480	290	390	40	24	300	250	350	6	M16	114	42	12×45.3	85	22×90.4	236
250	11.0		636	316	400	250	800	200	460	560	380	480	45	28	300	250	350	6	M16	114	42	12×45.3	110	28×116.4	396
	15.0																								

WPDZ 型[MODEL]

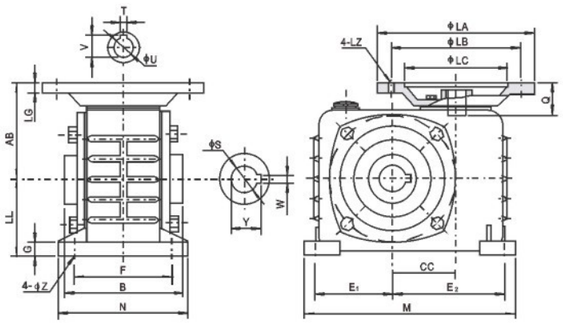


轴指向表示
SHAFT DIRECTION



型号 size	入功率 (kw)	传动比 ratio	AB	LL	BB	CC	E_1	E_2	F	M	N	G	Z	电机法兰 flange					入力孔 input hole			输出轴output shaft			重量 (kg)
														LB	LC	LA	LG	LZ	Q	U	T×V	LS	S	W×Y	
50	0.18	1/10 1/15 1/20 1/25 1/30 1/40 1/50 1/60	87	76	95	50	53	77	100	160	125	15	11	115	95	140	10	M8	26	11	4×12.8	40	17	5×3	7.5
60	0.18		92	82	110	60	68	92	100	190	130	15	11	115	95	140	10	M8	27	11	4×12.8	50	22	6×4	12
	0.37													130	110	160			37	14	5×16.3				
70	0.37		101	95	130	70	75	115	120	230	155	20	15	130	110	160	10	M8	32	14	5×16.3	60	28	8×4	15
	0.75													165	130	200		M10	42	19	6×21.8				
80	0.75		118	100	140	80	96	144	125	265	160	20	15	165	130	200	12	M10	45	19	6×21.8	65	32	10×4.5	22
	1.5																		57	24	8×27.3				
100	1.5		145	135	163	100	100	150	155	310	195	22	15	165	130	200	15	M10	60	24	8×27.3	75	38	10×4.5	38
	2.2													215	180	250		M12	70	28	8×31.3				
120	2.2		160	160	185	120	120	180	180	360	230	28	18	215	180	250	18	M12	70	28	8×31.3	85	45	12×4.5	60
	3.0																								
135	3.0		183	170	210	135	130	200	200	390	250	30	18	215	180	250	20	M12	68	28	8×31.3	95	55	16×6	80
	4.0																								

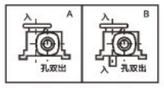
WPDKZ 型[MODEL]



型号 size	入功率 (kw)	传动比 ratio	AB	LL	B	CC	E_1	E_2	F	M	N	G	Z	电机法兰 flange					入力孔 input hole			输出轴output shaft			重量 (kg)
														LB	LC	LA	LG	LZ	Q	U	T×V	LS	S	W×Y	
50	0.18	1/10 1/15 1/20 1/25 1/30 1/40 1/50 1/60	87	76	107	50	53	77	100	160	125	15	11	115	95	140	10	M8	26	11	4×12.8	17	6×22. 8		7.5
60	0.18		92	82	117	60	68	92	100	190	130	15	11	115	95	140	10	M8	27	11	4×12.8	22	8×28. 3		12
	0.37													130	110	160			37	14	5×16.3				
70	0.37		101	95	131	70	75	115	120	230	155	20	15	130	110	160	10	M8	32	14	5×16.3	28	8×33. 3		15
	0.75													165	130	200		M10	42	19	6×21.8				
80	0.75		118	100	144	80	96	144	125	265	160	20	15	165	130	200	12	M10	45	19	6×21.8	32	10×38. 3		22
	1.5																		57	24	8×27.3				
100	1.5		145	135	175	100	100	150	155	310	195	22	15	165	130	200	15	M10	60	24	8×27.3	38	12×43. 3		38
	2.2													215	180	250		M12	70	28	8×31.3				
120	2.2		160	160	180	120	120	180	180	360	230	28	18	215	180	250	18	M12	70	28	8×31.3	45	14×48. 8		60
	3.0																								
135	3.0		183	170	212	135	130	200	200	390	250	30	18	215	180	250	20	M12	68	28	8×31.3	55	18×64. 4		80
	4.0																								

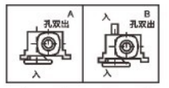
WPWDKT 型[MODEL]

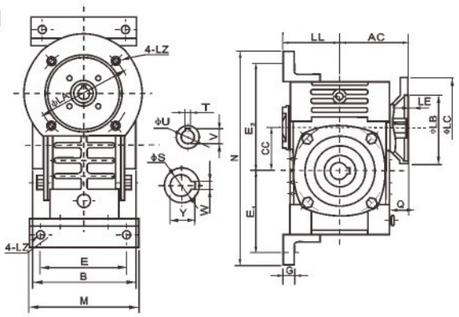
轴指向表示
SHAFT DIRECTION



WPWDKV 型[MODEL]

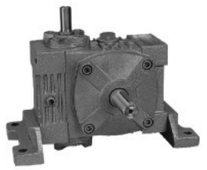
轴指向表示
SHAFT DIRECTION



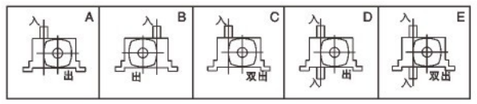


型号 size	入功率 Input(kw)	传动比 radio	AC	B	CC	LL	M	N	E	E_1	E_2	G	Z	电机法兰flange					入力孔Input hole			输出轴output shaft			重量 (kg)
														LA	LB	LC	LE	LZ	Q	U	T×V	S	W×Y		
40	0.12	1/10 1/15 1/20 1/25 1/30 1/40 1/50 1/60	75	90	40	63	90	187	70	72	97	12	10	115	95	140	4	M8	31	11	4×12.8	16	5×18.3		5.4
50	0.18		83	110	50	70	120	226	95	90	110	14	12	115	95	140	4	M8	31	11	4×12.8	20	6×22.8		8.5
60	0.37		91	120	60	80	130	257	105	102	129	15	12	130	110	160	4	M8	33	14	5×16.3	25	8×28.3		12
70	0.37		109	132	70	95	150	305	115	120	155	20	15	130	110	160	4	M8	40	14	5×16.3	30	8×33.3		17
	0.75		111											165	130	200		M10	42	19	6×21.8				
80	0.75		125	150	80	105	170	350	135	140	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3		26
	1.5																		52	24	8×27.3				
100	1.5		148	174	100	135	190	410	155	165	215	22	15	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3		40.5
120	2.2		181	180	120	160	230	494	180	195	255	25	18	215	180	250	5	M12	63	28	8×31.3	45	14×48.8		59
	3.0																								
135	3.0		202	214	135	185	250	559	200	230	285	30	18	215	180	250	5	M12	63	28	8×31.3	60	18×64.4		89
	4.0																								
155	4.0		224	256	155	220	275	605	220	250	305	35	21	215	180	250	5	M12	63	28	8×31.3	70	20×74.9		138
	5.5		247											265	230	300	5	M12	83	38	10×41.3				
175	5.5		262	282	175	240	310	675	250	273	348	40	21	265	230	300	5	M12	83	38	10×41.3	80	22×85.4		172
	7.5																								
200	7.5		258	324	200	280	360	749	290	305	390	40	24	265	230	300	5	M12	83	38	10×41.3	85	22×90.4		246
	11.0		285											300	250	350	6	M16	114	42	12×45.3				
250	11.0		330	400	250	315	460	920	380	375	475	45	28	300	250	350	6	M16	114	42	12×45.3	110	28×116.4		400
	15.0																								

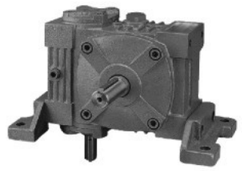
WPWT 型[MODEL]



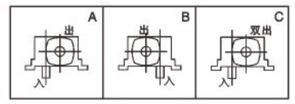
WPWT 轴指向表示
SHAFT DIRECTION

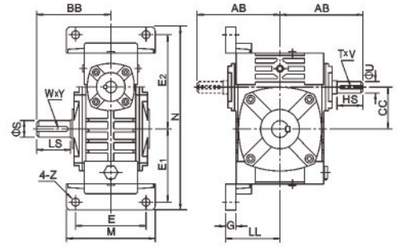


WPWV 型[MODEL]



WPWV 轴指向表示
SHAFT DIRECTION

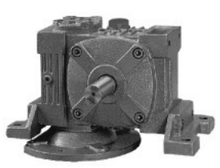


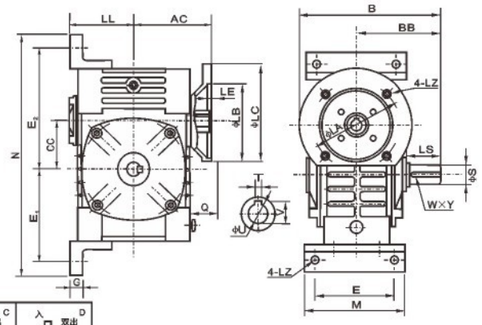


型号 size	传动比 ratio	AB	BB	CC	LL	M	N	E	E_1	E_2	G	Z	输入轴 input shaft			输出轴 output shaft			重量 weight(kg)
													HS	U	T×V	LS	S	W×Y	
40	10 15 20 25 30 40 50 60	87	79	40	63	90	187	70	72	97	12	10	25	12	4×2.5	28	14	5×3	5
50		107	97	50	70	120	226	95	90	110	14	12	30	12	4×2.5	40	17	5×3	8
60		122	112	60	80	130	257	105	102	129	15	12	40	15	5×3	50	22	6×3.5	11
70		140	131	70	95	150	305	115	120	155	20	15	40	18	6×3.5	60	28	8×4	15.5
80		160	142	80	105	170	350	135	140	180	20	15	50	22	6×3.5	65	32	10×5	24
100		190	169	100	135	190	410	155	165	215	22	15	50	25	8×4	75	38	10×5	38
120		229	190	120	160	230	494	180	195	255	25	18	65	30	8×4	85	45	14×5.5	56
135		260	210	135	185	250	559	200	230	285	30	18	75	35	10×5	95	55	16×6	84
155		302	252	155	220	275	605	220	250	305	35	21	85	40	12×5	110	60	18×7	129
175		325	262	175	240	310	675	250	273	348	40	21	85	45	14×5.5	110	65	18×7	157
200		350	305	200	280	360	749	290	305	390	40	24	95	50	14×5.5	125	70	20×7.5	224
250		420	360	250	315	460	920	380	375	475	45	28	110	60	18×7	155	90	25×9	374

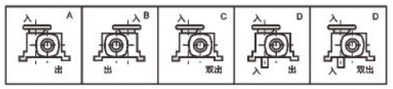
WPWDT 型[MODEL]

WPWDV 型[MODEL]

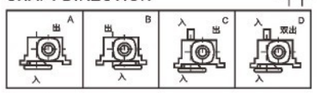




轴指向表示
SHAFT DIRECTION



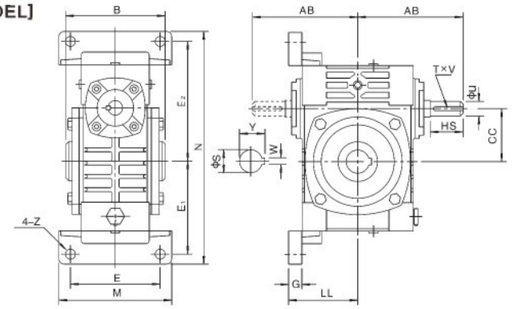
轴指向表示
SHAFT DIRECTION



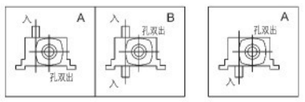
型号 size	入功率 (kw)	传动比 ratio	AC	BB	CC	LL	M	N	E	E_1	E_2	G	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40	0.12		75	79	40	63	90	187	70	72	97	12	10	115	95	140	4	M8	31	11	4×12.8	28	14	5×3	5.4
50	0.18		83	97	50	70	120	226	95	90	110	14	12	115	95	140	4	M8	31	11	4×12.8	40	17	5×3	8.5
60	0.37		91	112	60	80	130	257	105	102	129	15	12	130	110	160	4	M8	33	14	5×16.3	50	22	6×3.5	12
70	0.37		109	131	70	95	150	305	115	120	155	20	15	130	110	160	4	M8	40	14	5×16.3	60	28	8×4	17
	0.75		111											165	130	200		M10	42	19	6×21.8				
80	0.75		125	142	80	105	170	350	135	140	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	26
	1.5	1/10																	52	24	8×27.3				
100	1.5	1/15	148	169	100	135	190	410	155	165	215	22	15	165	130	200	4.5	M10	52	24	8×27.3	75	38	10×5	40.5
120	2.2	1/20	181	190	120	160	230	494	180	195	255	25	18	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	59
	3.0	1/25																							
135	3.0	1/30	202	210	135	185	250	559	200	230	285	30	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	89
	4.0	1/40																							
155	4.0	1/50	224	252	155	220	275	605	220	250	305	35	21	215	180	250	5	M12	63	28	8×31.3	110	60	18×7	138
	5.5	1/60	247											265	230	300	5	M12	83	38	10×41.3				
175	5.5		262	262	175	240	310	675	250	273	348	40	21	265	230	300	5	M12	83	38	10×41.3	110	65	18×7	172
	7.5																								
200	7.5		258	305	200	280	360	749	290	305	390	40	24	265	230	300	5	M12	83	38	10×41.3	125	70	20×7.5	246
	11.0		285											300	250	350	6	M16	114	42	12×45.3				
250	11.0		330	360	250	315	460	920	380	375	475	45	28	300	250	350	6	M16	114	42	12×45.3	155	90	25×9	410
	15.0																								

WPWKT 型[MODEL]

WPWKV 型[MODEL]

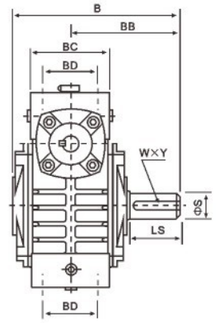


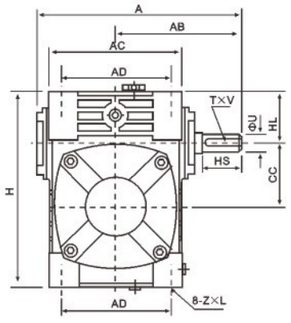
轴指向表示 SHAFT DIRECTION



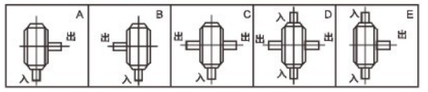
型号 size	传动比 ratio	AB	B	CC	LL	M	N	E	E_1	E_2	G	Z	输入轴 input shaft HS	U	T×V	输出轴 output shaft S	W×Y	重量 weight (kg)
40		87	90	40	63	90	187	70	72	97	12	10	25	12	4×2.5	16	5×18.3	5
50		107	110	50	70	120	226	95	90	110	14	12	30	12	4×2.5	20	6×22.8	8
60	10	122	120	60	80	130	257	105	102	129	15	12	40	15	5×3	25	8×28.3	11
70	15	140	132	70	95	150	305	115	120	155	20	15	40	18	6×3.5	30	8×33.3	15.5
80	20	160	150	80	105	170	350	135	140	180	20	15	50	22	6×3.5	35	10×38.3	24
100	25	190	174	100	135	190	410	155	165	215	22	15	50	25	8×4	40	12×43.3	38
120	30	229	180	120	160	230	494	180	195	255	25	18	65	30	8×4	45	14×48.8	56
135	40	260	214	135	185	250	559	200	230	285	30	18	75	35	10×5	60	18×64.4	84
155	50	302	256	155	220	275	605	220	250	305	35	21	85	40	12×5	70	20×74.9	129
175	60	325	282	175	240	310	675	250	273	348	40	21	85	45	14×5.5	80	22×85.4	157
200		350	324	200	280	360	749	290	305	390	40	24	95	50	14×5.5	85	22×90.4	224
250		420	400	250	315	460	920	380	375	475	45	28	110	60	18×7	110	28×116.4	374

WPW 型[MODEL]





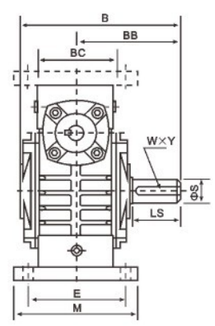
轴指向表示
SHAFT DIRECTION

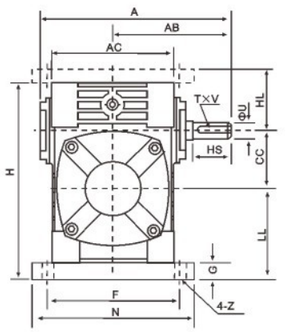


型号 size	传动比 ratio	A	AB	B	BB	AC	BC	AD	BD	CC	HL	H	Z×L	输入轴input shaft HS	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40		149	89	124	79	95	61	78	42	40	35	125	M6×12	25	12	4×2.5	28	14	5×3	4
50		175	107	150	97	111	68	85	50	50	35	150	M6×18	30	12	4×2.5	40	17	5×3	6.5
60	1/10	198	122	168	112	127	76	105	55	60	42	177	M8×20	40	15	5×3	50	22	6×3.5	9
70	1/15	231	140	194	131	152	86	125	65	70	55	215	M10×25	40	18	6×3.5	60	28	8×4	13
80	1/20	261	160	214	142	169	102	140	70	80	65	250	M12×28	50	22	6×3.5	65	32	10×5	21
100	1/25	322	190	254	169	216	117	180	90	100	80	310	M12×30	50	25	8×4	75	38	10×5	34
120	1/30	381	229	282	190	256	124	220	100	120	95	370	M14×32	65	30	8×4	85	45	14×5.5	51
135	1/40	433	260	317	210	296	147	260	110	135	105	425	M16×35	75	35	10×5	95	55	16×6	78
155	1/50	504	302	382	252	345	185	280	120	155	103	461	M16×35	85	40	12×5	110	60	18×7	102
175	1/60	545	325	402	262	374	192	320	140	175	123	521	M16×35	85	45	14×5.5	110	65	18×7	142
200		587	350	467	305	412	230	360	150	200	130	575	M20×36	95	50	14×5.5	125	70	20×7.5	202
250		705	420	552	360	500	285	420	190	250	150	700	M24×42	110	60	18×7	155	90	25×9	340

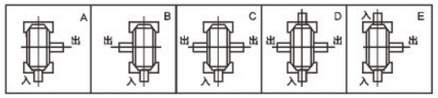
WPWA 型[MODEL]

WPWS 型[MODEL]





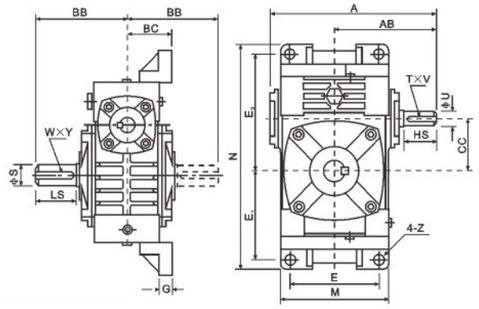
轴指向表示
SHAFT DIRECTION



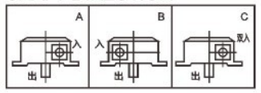
型号 size	传动比 ratio	A	AB	B	BB	AC	BC	CC	HL	LL	H	M	N	E	F	G	Z	输入轴input shaft HS	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40		149	89	124	79	95	61	40	45	60	135	100	130	80	110	10	10	25	12	4×2.5	28	14	5×3	4.5
50		175	107	150	97	111	68	50	50	80	165	120	140	95	110	15	12	30	12	4×2.5	40	17	5×3	7.5
60	1/10	198	122	168	112	127	76	60	60	93	195	130	150	105	120	18	12	40	15	5×3	50	22	6×3.5	11.5
70	1/15	231	140	194	131	152	86	70	73	108	233	150	190	115	150	18	15	40	18	6×3.5	60	28	8×4	15.5
80	1/20	261	160	214	142	169	102	80	83	123	268	170	220	135	180	18	15	50	22	6×3.5	65	32	10×5	24
100	1/25	322	190	254	169	216	117	100	100	150	330	190	270	155	220	20	15	50	25	8×4	75	38	10×5	39
120	1/30	381	229	282	190	256	124	120	120	180	395	230	320	180	260	25	18	65	30	8×4	85	45	14×5.5	57
135	1/40	433	260	317	210	296	147	135	135	215	455	250	350	200	290	30	18	75	35	10×5	95	55	16×6	85
155	1/50	504	302	382	252	345	185	155	135	235	493	280	380	220	320	32	21	85	40	12×5	110	60	18×7	110
175	1/60	545	325	402	262	374	192	175	160	260	558	310	410	250	350	37	21	85	45	14×5.5	110	65	18×7	152
200		587	350	467	305	412	230	200	175	290	620	355	445	290	390	45	24	95	50	14×5.5	125	70	20×7.5	216
250		705	420	552	360	500	285	250	200	350	750	460	560	380	480	50	28	110	60	18×7	155	90	25×9	350

WPWX 型[MODEL]

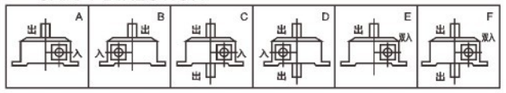
WPWO 型[MODEL]



WPWX轴指向表示
SHAFT DIRECTION

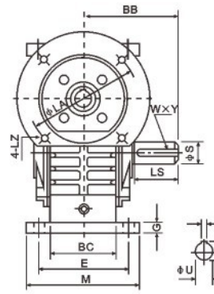


WPWO轴指向表示
SHAFT DIRECTION

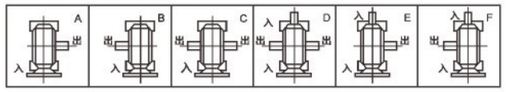


型号 size	传动比 ratio	A	AB	BB	BC	CC	M	N	E	E_1	E_2	G	Z	输入轴input shaft			输出轴output shaft			重量 (kg)
														HS	U	T×V	LS	S	W×Y	
40		149	89	79	45	40	95	187	70	72	97	12	10	25	12	4×2.5	28	14	5×3	5
50		175	107	97	50	50	111	226	90	90	110	14	12	30	12	4×2.5	40	17	5×3	8
60	1/10	198	122	112	55	60	127	257	100	102	129	15	12	40	15	5×3	50	22	6×3.5	11
70	1/15	231	140	131	65	70	152	305	120	120	155	20	15	40	18	6×3.5	60	28	8×4	15.5
80	1/20	261	160	142	70	80	174	350	140	140	180	20	15	50	22	6×3.5	65	32	10×5	24
100	1/25	322	190	169	90	100	224	410	190	165	215	22	15	50	25	8×4	75	38	10×5	38
120	1/30	381	229	190	100	120	264	494	220	195	255	25	18	65	30	8×4	85	45	14×5.5	56
135	1/40	433	260	210	110	135	304	559	260	230	285	30	18	75	35	10×5	95	55	16×6	84
155	1/50	504	302	252	140	155	345	605	290	250	305	35	21	85	40	12×5	110	60	18×7	129
175	1/60	545	325	262	150	175	374	675	320	273	348	40	21	85	45	14×5.5	110	65	18×7	157
200		587	350	305	175	200	424	749	370	305	390	40	24	95	50	14×5.5	125	70	20×7.5	224
250		705	420	552	200	250	510	920	440	375	475	45	28	110	60	18×7	155	90	25×9	374

WPWDA 型[MODEL] WPWDS 型[MODEL]

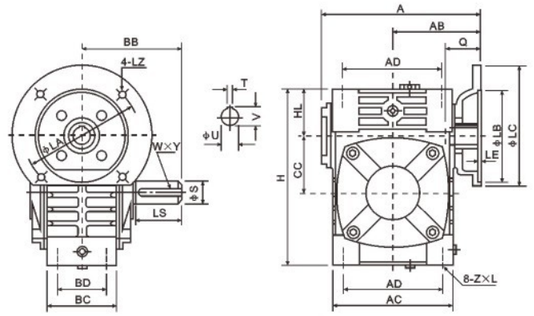


轴指向表示
SHAFT DIRECTION

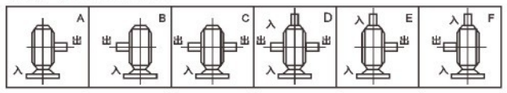


型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	AC	BC	CC	HL	LL	H	M	N	E	F	G	Z	电机法兰flange					入力孔input hole			输出轴output shaft			重量 (kg)
																		LA	LB	LC	LE	LZ	Q	U	T×V	LS	S	W×Y	
40	0.12		135	75	79	95	61	40	45	60	135	100	130	80	110	10	10	115	95	140	4	M8	31	11	4×12.8	28	14	5×3	5
50	0.18		151	83	97	111	68	50	50	80	165	120	140	95	110	15	12	115	95	140	4	M8	31	11	4×12.8	40	17	5×3	8
60	0.37		167	91	112	127	76	60	60	93	195	130	150	105	120	18	12	130	110	160	4	M8	33	14	5×16.3	50	22	6×3.5	12.5
70	0.37		200	109	131	152	86	70	73	108	233	150	190	115	150	18	15	130	110	160	4	M8	40	14	5×16.3	60	28	8×4	17
	0.75		202	111														165	130	200		M10	42	19	6×21.8				
80	0.75		225	125	142	169	102	80	83	123	268	170	220	135	180	18	15	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	26
	1.5	1/10																					52	24	8×27.3				
100	1.5	1/15	280	148	169	216	117	100	100	150	330	190	270	155	220	20	15	165	130	200	4.5	M10	52	24	8×27.3	75	38	10×5	41.5
120	2.2	1/20	333	181	190	256	124	120	120	180	395	230	320	180	260	25	18	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	60
	3.0	1/25																											
135	3.0	1/30	375	202	210	296	147	135	135	215	455	250	350	200	290	30	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	90
	4.0	1/40																											
155	4.0	1/50	425	224	252	345	185	155	135	235	493	280	380	220	320	32	21	215	180	250	5	M12	63	28	8×31.3	110	60	18×7	118
	5.5	1/60	448	247														265	230	300	5	M12	83	38	10×41.3				
175	5.5		481	262	262	374	192	175	160	260	558	310	410	250	350	37	21	265	230	300	5	M12	83	38	10×41.3	110	65	18×7	167
	7.5																												
200	7.5		516	258	305	412	230	200	175	290	620	355	445	290	390	45	24	265	230	300	6	M12	83	38	10×41.3	125	70	20×7.5	237
	11.0		543	285														300	250	350	6	M16	114	42	12×45.3				
250	11.0		615	330	360	500	285	250	200	350	750	460	560	380	480	50	28	300	250	350	6	M16	114	42	12×45.3	155	90	25×9	395
	15.0																												

WPWD 型[MODEL]

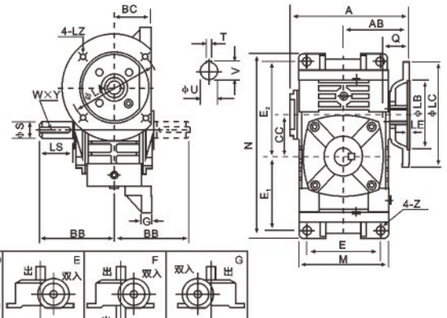


轴指向表示
SHAFT DIRECTION

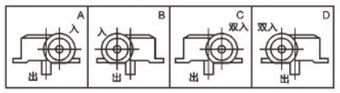


型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	AC	BC	AD	BD	CC	HL	H	Z×L	电机法兰flange					入力孔input hole			输出轴output shaft			重量 (kg)
														LA	LB	LC	LE	LZ	Q	U	T×V	LS	S	W×Y	
40	0.12		135	75	79	95	61	78	42	40	35	125	M6×12	115	95	140	4	M8	31	11	4×12.8	28	14	5×3	4
50	0.18		151	83	97	111	68	85	50	50	35	150	M6×18	115	95	140	4	M8	31	11	4×12.8	40	17	5×3	7
60	0.37		167	91	112	127	76	105	55	60	42	177	M8×20	130	110	160	4	M8	33	14	5×16.3	50	22	6×3.5	10
70	0.37		200	109	131	152	86	125	65	70	55	215	M10×25	130	110	160	4	M8	40	14	5×16.3	60	28	8×4	14.5
	0.75		202	111										165	130	200		M10	42	19	6×21.8				
80	0.75		225	125	142	169	102	140	70	80	65	250	M12×28	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	23
	1.5	1/10																	52	24	8×27.3				
100	1.5	1/15	280	148	169	216	117	180	90	100	80	310	M12×30	165	130	200	4.5	M10	52	24	8×27.3	75	38	10×5	36.5
120	2.2	1/20	333	181	190	256	124	220	100	120	95	370	M14×32	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	54
	3.0	1/25																							
135	3.0	1/30	375	202	210	296	147	260	110	135	105	425	M16×35	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	83
	4.0	1/40																							
155	4.0	1/50	425	224	252	345	185	280	120	155	103	461	M16×35	215	180	250	5	M12	63	28	8×31.3	110	60	18×7	110
	5.5	1/60	448	247										265	230	300	5	M12	83	38	10×41.3				
175	5.5		481	262	262	374	192	320	140	175	123	521	M16×35	265	230	300	5	M12	83	38	10×41.3	110	65	18×7	156
	7.5																								
200	7.5		516	258	305	412	230	360	150	200	130	575	M20×36	265	230	300	6	M12	83	38	10×41.3	125	70	20×7.5	222
	11.0		543	285										300	250	350	6	M16	114	42	12×45.3				
250	11.0		615	330	360	500	285	420	190	250	150	700	M24×42	300	250	350	6	M16	114	42	12×45.3	155	90	25×9	376
	15.0																								

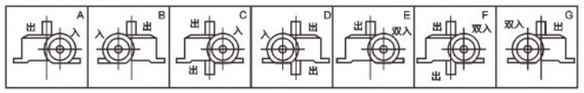
WPWDX 型[MODEL] WPWDO 型[MODEL]



WPWDX轴指向表示
SHAFT DIRECTION

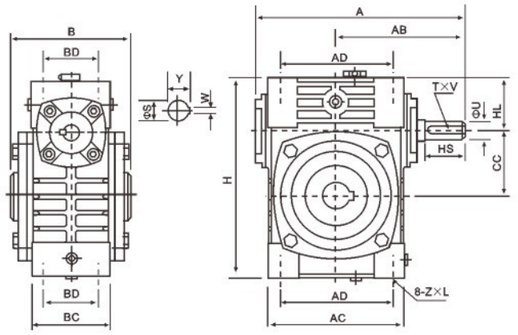


WPWDO轴指向表示
SHAFT DIRECTION

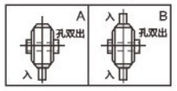


型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	BC	CC	M	N	E	E_1	E_2	G	Z	电机法兰flange					入力孔input hole			输出轴output shaft			重量 (kg)
															LA	LB	LC	LE	LZ	Q	U	T×V	LS	S	W×Y	
40	0.12		135	75	79	45	40	95	187	70	72	97	12	10	115	95	140	4	M8	31	11	4×12.8	28	14	5×3	5.4
50	0.18		151	83	97	50	50	111	226	90	90	110	14	12	115	95	140	4	M8	31	11	4×12.8	40	17	5×3	8.5
60	0.37		167	91	112	55	60	127	257	100	102	129	15	12	130	110	160	4	M8	33	14	5×16.3	50	22	6×3.5	12
70	0.37		200	109	131	65	70	152	305	120	120	155	20	15	130	110	160	4	M8	40	14	5×16.3	60	28	8×4	17
	0.75		202	111											165	130	200		M10	42	19	6×21.8				
80	0.75		225	125	142	70	80	174	350	140	140	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	65	32	10×5	26
	1.5	1/10																		52	24	8×27.3				
100	1.5	1/15	280	148	169	90	100	224	410	190	165	215	22	15	165	130	200	4.5	M10	52	24	8×27.3	75	38	10×5	40.5
120	2.2	1/20	333	181	190	100	120	264	494	220	195	255	25	18	215	180	250	5	M12	63	28	8×31.3	85	45	14×5.5	59
	3.0	1/25																								
135	3.0	1/30	375	202	210	110	135	304	559	260	230	285	30	18	215	180	250	5	M12	63	28	8×31.3	95	55	16×6	89
	4.0	1/40																								
155	4.0	1/50	425	224	252	140	155	345	605	290	250	305	35	21	215	180	250	5	M12	63	28	8×31.3	110	60	18×7	138
	5.5	1/60	448	247											265	230	300	5	M12	83	38	10×41.3				
175	5.5		481	262	262	150	175	374	675	320	273	348	40	21	265	230	300	5	M12	83	38	10×41.3	110	65	18×7	172
	7.5																									
200	7.5		516	258	305	175	200	424	749	370	305	390	40	21	265	230	300	6	M12	83	38	10×41.3	125	70	20×7.5	246
	11.0		543	285											300	250	350	6	M16	114	42	12×45.3				
250	11.0		615	330	360	200	250	510	920	440	375	475	45	28	300	250	350	6	M16	114	42	12×45.3	155	90	25×9	410
	15.0																									

WPWK 型[MODEL]

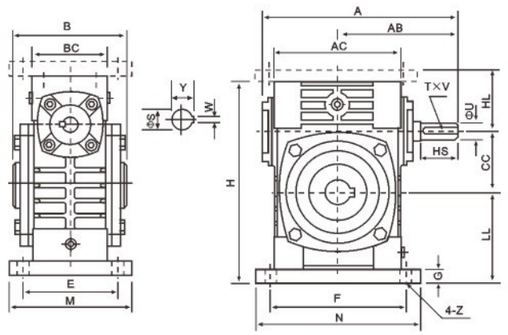


轴指向表示
SHAFT DIRECTION

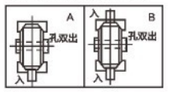


型号 size	传动比 ratio	A	AB	B	AC	BC	AD	BD	CC	HL	H	Z×L	输入轴input shaft			输出轴output shaft		重量 (kg)
													HS	U	T×V	S	W×Y	
40		149	89	90	95	61	78	42	40	35	125	M6×12	25	12	4×2.5	16	5×18.3	4
50		175	107	110	111	68	85	50	50	35	150	M6×18	30	12	4×2.5	20	6×22.8	6.5
60	1/10	198	122	120	127	76	105	55	60	42	177	M8×20	40	15	5×3	25	8×28.3	9
70	1/15	231	140	132	152	86	125	65	70	55	215	M10×25	40	18	6×3.5	30	8×33.3	13
80	1/20	261	160	150	169	102	140	70	80	65	250	M12×28	50	22	6×3.5	35	10×38.3	21
100	1/25	322	190	174	216	117	180	90	100	80	310	M12×30	50	25	8×4	40	12×43.3	34
120	1/30	381	229	180	256	124	220	100	120	95	370	M14×32	65	30	8×4	45	14×48.8	51
135	1/40	433	260	214	296	147	260	110	135	105	425	M16×35	75	35	10×5	60	18×64.4	78
155	1/50	504	302	256	345	185	280	120	155	103	461	M16×35	85	40	12×5	70	20×74.9	102
175	1/60	545	325	282	374	192	320	140	175	123	521	M16×35	85	45	14×5.5	80	22×85.4	142
200		587	350	324	412	230	360	150	200	130	575	M20×36	95	50	14×5.5	85	22×90.4	202
250		705	420	400	500	285	420	190	250	150	700	M24×42	110	60	18×7	110	28×116.4	340

WPWKA 型[MODEL] WPWKS 型[MODEL]

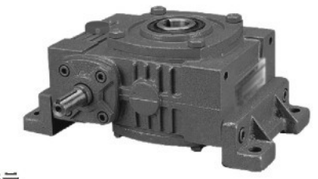


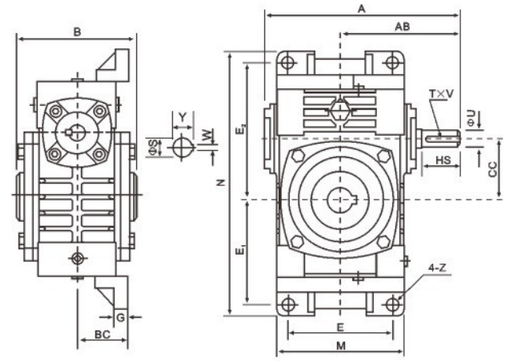
轴指向表示
SHAFT DIRECTION



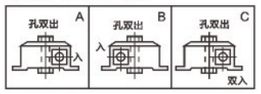
型号 size	传动比 ratio	A	AB	B	AC	BC	CC	HL	LL	H	M	N	E	F	G	Z	输入轴input shaft			输出轴output shaft		重量 (kg)
																	HS	U	T×V	S	W×Y	
40		149	89	90	95	61	40	45	60	135	100	130	80	110	10	10	25	12	4×2.5	16	5×18.3	4.5
50		175	107	110	111	68	50	50	80	165	120	140	95	110	15	12	30	12	4X2.5	20	6×22.8	7.5
60	1/10	198	122	120	127	76	60	60	93	195	130	150	105	120	18	12	40	15	5×3	25	8×28.3	11.5
70	1/15	231	140	132	152	86	70	73	108	233	150	190	115	150	18	15	40	18	6×3.5	30	8×33.3	15.5
80	1/20	261	160	150	169	102	80	83	123	268	170	220	135	180	18	15	50	22	6×3.5	35	10×38.3	24
100	1/25	322	190	174	216	117	100	100	150	330	190	270	155	220	20	15	50	25	8×4	40	12×43.3	39
120	1/30	381	229	180	256	124	120	120	180	395	230	320	180	260	25	18	65	30	8×4	45	14×48.8	57
135	1/40	433	260	214	296	147	135	135	215	455	250	350	200	290	30	18	75	35	10×5	60	18×64.4	85
155	1/50	504	302	256	345	185	155	135	235	493	280	380	220	320	32	21	85	40	12×5	70	20×74.9	110
175	1/60	545	325	282	374	192	175	160	260	558	310	410	250	350	37	21	85	45	14×5.5	80	22×85.4	152
200		587	350	324	412	230	200	175	290	620	355	445	290	390	45	24	95	50	14×5.5	85	22×90.4	216
250		705	420	400	500	285	250	200	350	750	460	560	380	480	50	28	110	60	18×7	110	28×116.4	350

WPWKO 型[MODEL]



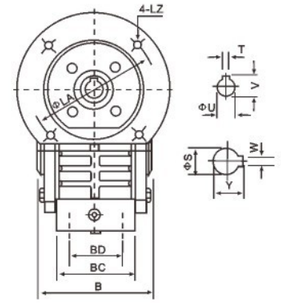


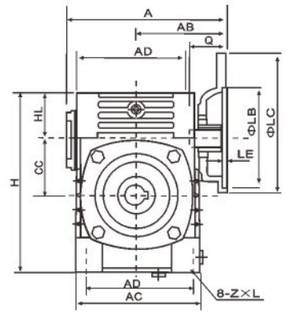
轴指向表示
SHAFT DIRECTION



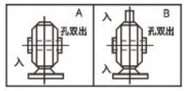
型号 size	传动比 ratio	A	AB	B	BC	CC	M	N	E	E_1	E_2	G	Z	输入轴input shaft			输出轴output shaft		重量 (kg)
														HS	U	T×V	S	W×Y	
40		149	89	90	45	40	95	187	70	72	97	12	10	25	12	4×2.5	16	5×18.3	5
50		175	107	110	50	50	111	226	90	90	110	14	12	30	12	4×2.5	20	6×22.8	8
60	1/10	198	122	120	55	60	127	257	100	102	129	15	12	40	15	5×3	25	8×28.3	11
70	1/15	231	140	132	65	70	152	305	120	120	155	20	15	40	18	6×3.5	30	8×33.3	15.5
80	1/20	261	160	150	70	80	174	350	140	140	180	20	15	50	22	6×3.5	35	10×38.3	24
100	1/25	322	190	174	90	100	224	410	190	165	215	22	15	50	25	8×4	40	12×43.3	38
120	1/30	381	229	180	100	120	264	494	220	195	255	25	18	65	30	8×4	45	14×48.8	56
135	1/40	433	260	214	110	135	304	559	260	230	285	30	18	75	35	10×5	60	18×64.4	84
155	1/50	504	302	256	140	155	345	605	290	250	305	35	21	85	40	12×5	70	20×74.9	129
175	1/60	545	325	282	150	175	374	675	320	273	348	40	21	85	45	14×5.5	80	22×85.4	157
200		587	350	324	175	200	424	749	370	305	390	40	24	95	50	14×5.5	85	22×90.4	224
250		705	420	400	200	250	510	920	440	375	475	45	28	110	60	18×7	110	28×116.4	374

WPWDK 型[MODEL]



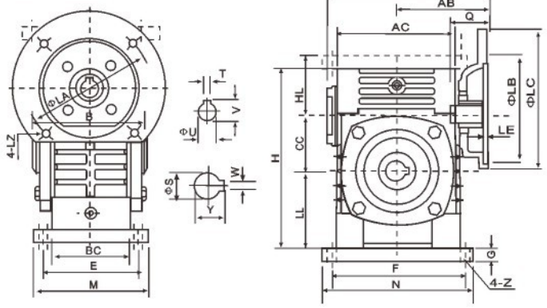


轴指向表示
SHAFT DIRECTION

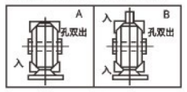


型号 size	入功率 (kw)	传动比 ratio	A	AB	B	AC	BC	AD	BD	CC	HL	H	Z×L	电机法兰flange					入力孔input hole			输出轴output shaft		重量 (kg)
														LA	LB	LC	LE	LZ	Q	U	T×V	S	W×Y	
40	0.12		135	75	90	95	61	78	42	40	35	125	M6×12	115	95	140	4	M8	31	11	4×12.8	16	5×18.3	4
50	0.18		151	83	110	111	68	85	50	50	35	150	M6×18	115	95	140	4	M8	31	11	4×12.8	20	6×22.8	7
60	0.37		167	91	120	127	76	105	55	60	42	177	M8×20	130	110	160	4	M8	33	14	5×16.3	25	8×28.3	10
70	0.37		200	109	132	152	86	125	65	70	55	215	M10×25	130	110	160	4	M8	40	14	5×16.3	30	8×33.3	14.5
	0.75		202	111										165	130	200		M10	42	19	6×21.8			
80	0.75	1/10	225	125	150	169	102	140	70	80	65	250	M12×28	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3	23
	1.5	1/15																	52	24	8×27.3			
100	1.5	1/20	280	148	174	216	117	180	90	100	80	310	M12×30	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3	36.5
120	2.2	1/25	333	181	180	256	124	220	100	120	95	370	M14×32	215	180	250	5	M12	63	28	8×31.3	45	14×48.8	54
	3.0	1/30																						
135	3.0	1/40	375	202	214	296	147	260	110	135	105	425	M16×35	215	180	250	5	M12	63	28	8×31.3	60	18×64.4	83
	4.0	1/50																						
155	4.0	1/60	425	224	256	345	185	280	120	155	103	461	M16×35	215	180	250	5	M12	63	28	8×31.3	70	20×74.9	110
	5.5		448	247										265	230	300		M12	83	38	10×41.3			
175	5.5		481	262	282	374	192	320	140	175	123	521	M16×35	265	230	300	5	M12	83	38	10×41.3	80	22×85.4	156
	7.5																							
200	7.5		516	258	324	412	230	360	150	200	130	575	M20×36	265	230	300	5	M12	83	38	10×41.3	85	22×90.4	222
	11.0		543	285										300	250	350	6	M16	114	42	12×45.3			
250	11.0		615	330	400	500	285	420	190	250	150	700	M24×42	300	250	350	6	M16	114	42	12×45.3	110	28×116.4	376
	15.0																							

WPWDKA 型[MODEL] WPWDKS 型[MODEL]

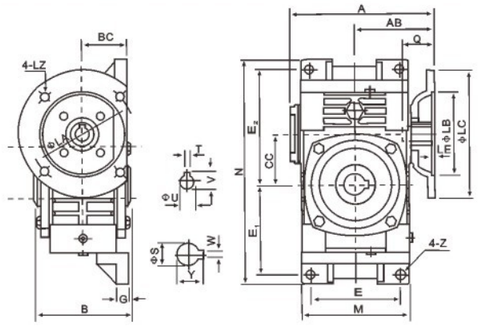


轴指向表示
SHAFT DIRECTION

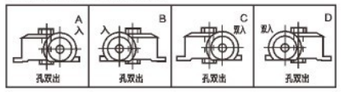


型号 size	入功率 (kw)	传动比 ratio	A	AB	B	AC	BC	CC	HL	LL	H	M	N	E	F	G	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft S	W×Y	重量 (kg)
40	0.12		135	75	90	95	61	40	45	60	135	100	130	80	110	10	10	115	95	140	4	M8	31	11	4×12.8	16	5×18.3	5
50	0.18		151	83	110	111	68	50	50	80	165	120	140	95	110	15	12	115	95	140	4	M8	31	11	4×12.8	20	6×22.8	8
60	0.37		167	91	120	127	76	60	60	93	195	130	150	105	120	18	12	130	110	160	4	M8	33	14	5×16.3	25	8×28.3	12.5
70	0.37		200	109	132	152	86	70	73	108	233	150	190	115	150	18	15	130	110	160	4	M8	40	14	5×16.3	30	8×33.3	17
	0.75		202	111														165	130	200		M10	42	19	6×21.8			
80	0.75	1/10	225	125	150	169	102	80	83	123	268	170	220	135	180	18	15	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3	26
	1.5	1/15																					52	24	8×27.3			
100	1.5	1/20	280	148	174	216	117	100	100	150	330	190	270	155	220	20	15	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3	41.5
120	2.2	1/25	333	181	180	256	124	120	120	180	395	230	320	180	260	25	18	215	180	250	5	M12	63	28	8×31.3	45	14×48.8	60
	3.0	1/30																										
135	3.0	1/40	375	202	214	296	147	135	135	215	455	250	350	200	290	30	18	215	180	250	5	M12	63	28	8×31.3	60	18×64.4	90
	4.0	1/50																										
155	4.0	1/60	425	224	256	345	185	155	135	235	493	280	380	220	320	32	21	215	180	250	5	M12	63	28	8×31.3	70	20×74.9	118
	5.5		448	247														265	230	300	5	M12	83	38	10×41.3			
175	5.5		481	262	282	374	192	175	160	260	558	310	410	250	350	37	21	265	230	300	5	M12	83	38	10×41.3	80	22×85.4	167
	7.5																											
200	7.5		516	258	324	412	230	200	175	290	620	355	445	290	390	45	24	265	230	300	5	M12	83	38	10×41.3	85	22×90.4	237
	11.0		543	285														300	250	350	6	M16	114	42	12×45.3			
250	11.0		615	330	400	500	285	250	200	350	750	460	560	380	480	50	28	300	250	350	6	M16	114	42	12×45.3	110	28×116.4	395
	15.0																											

WPWDKO 型[MODEL]

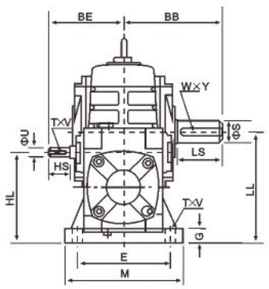


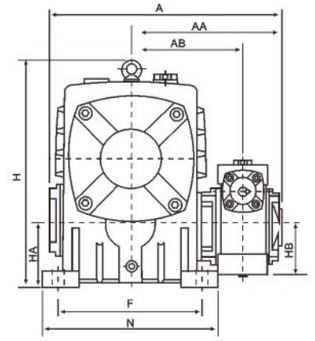
轴指向表示
SHAFT DIRECTION



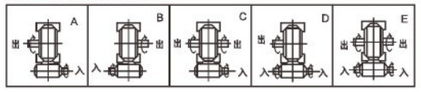
型号 size	入功率 (kw)	传动比 ratio	A	AB	B	BC	CC	M	N	E	E_1	E_2	G	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft S	W×Y	重量 (kg)
40	0.12		135	75	90	45	40	95	187	70	72	97	12	10	115	95	140	4	M8	31	11	4×12.8	16	5×18.3	5.4
50	0.18		151	83	110	50	50	111	226	90	90	110	14	12	115	95	140	4	M8	31	11	4×12.8	20	6×22.8	8.5
60	0.37		167	91	120	55	60	127	257	100	102	129	15	12	130	110	160	4	M8	33	14	5×16.3	25	8×28.3	12
70	0.37		200	109	132	65	70	152	305	120	120	155	20	15	130	110	160	4	M8	40	14	5×16.3	30	8×33.3	17
	0.75		202	111											165	130	200		M10	42	19	6×21.8			
80	0.75	1/10	225	125	150	70	80	174	350	140	140	180	20	15	165	130	200	4.5	M10	48	19	6×21.8	35	10×38.3	26
	1.5	1/15																		52	24	8×27.3			
100	1.5	1/20	280	148	174	90	100	224	410	190	165	215	22	15	165	130	200	4.5	M10	52	24	8×27.3	40	12×43.3	40.5
120	2.2	1/25	333	181	180	100	120	264	494	220	195	255	25	18	215	180	250	5	M12	63	28	8×31.3	45	14×48.8	59
	3.0	1/30																							
135	3.0	1/40	375	202	214	110	135	304	559	260	230	285	30	18	215	180	250	5	M12	63	28	8×31.3	60	18×64.4	89
	4.0	1/50																							
155	4.0	1/60	425	224	256	140	155	345	605	290	250	305	35	21	215	180	250	5	M12	63	28	8×31.3	70	20×74.9	138
	5.5		448	247											265	230	300	5	M12	83	38	10×41.3			
175	5.5		481	262	282	150	175	374	675	320	273	348	40	21	265	230	300	5	M12	83	38	10×41.3	80	22×85.4	172
	7.5																								
200	7.5		516	258	324	175	200	424	749	370	305	390	40	24	265	230	300	5	M12	83	38	10×41.3	85	22×90.4	246
	11.0		543	285											300	250	350	6	M16	114	42	12×45.3			
250	11.0		615	330	400	200	250	510	920	440	375	475	45	28	300	250	350	6	M16	114	42	12×45.3	110	28×116.4	410
	15.0																								

WPEA 型[MODEL]



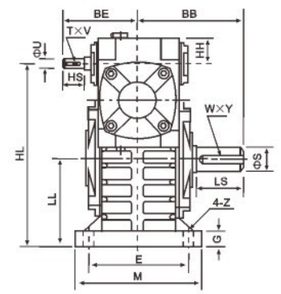


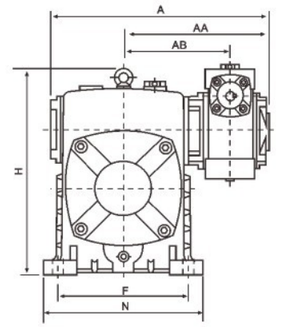
轴指向表示
SHAFT DIRECTION



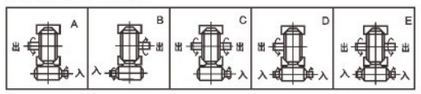
型号 size	传动比 ratio	A	AA	AB	BB	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	输入轴input hole HS	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40-70		262	171	126	131	89	110	140	236	70	50	150	190	115	150	20	15	25	12	4×2.5	60	28	8×4	20
50-80	1/200	297	197	144	142	107	130	160	268	80	65	170	220	135	180	20	15	30	12	4×2.5	65	32	10×5	27
60-100	1/300	363	231	175	169	122	160	200	336	100	75	190	270	155	220	25	15	40	15	5×3	75	38	10×5	44
70-120	1/400	408	256	193	190	140	190	240	430	120	90	230	320	180	260	30	18	40	18	6×3.5	85	45	14×5.5	73
80-135	1/500	471	298	226	210	160	215	270	480	135	105	250	350	200	290	30	18	50	22	6×3.5	95	55	16×6	101
80-147	1/600	476	301	229	212	160	203	270	501	123	105	250	350	200	280	32	18	50	22	6×3.5	95	55	16×6	112
100-155	1/800	555	354	269	252	190	235	290	531	135	130	275	390	220	320	35	21	50	25	8×4	110	60	18×7	144
120-175	1/900	598	379	287	262	229	280	335	600	160	155	310	430	250	350	40	21	65	30	8×4	110	65	18×7	201
135-200		662	425	318	305	260	310	375	666	175	185	360	480	290	390	40	24	75	35	10×5	125	70	20×7.5	293
155-250		795	510	380	360	302	355	450	800	200	203	460	560	380	480	45	28	85	40	12×5	155	90	25×9	462

WPES 型[MODEL]



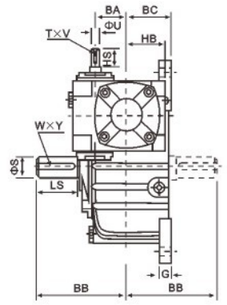


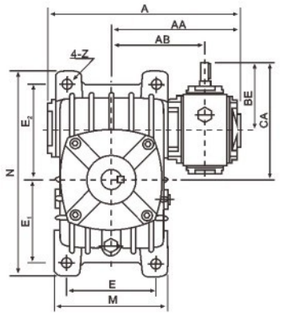
轴指向表示
SHAFT DIRECTION



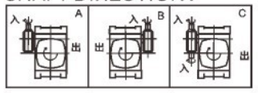
型号 size	传动比 ratio	A	AA	AB	BB	BE	HH	HL	LL	H	M	N	E	F	G	Z	输入轴input hole HS	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40-70		262	171	126	131	89	35	215	105	238	150	190	115	150	20	15	25	12	4×2.5	60	28	8×4	20
50-80	1/200	297	197	144	142	107	35	250	120	273	170	220	135	180	20	15	30	12	4×2.5	65	32	10×5	27
60-100	1/300	363	231	175	169	122	42	310	150	334	190	270	155	220	25	15	40	15	5×3	75	38	10×5	44
70-120	1/400	408	256	193	190	140	55	370	180	423	230	320	180	260	30	18	40	18	6×3.5	85	45	14×5.5	73
80-135	1/500	471	298	226	210	160	65	430	215	482	250	350	200	290	30	18	50	22	6×3.5	95	55	16×6	101
80-147	1/600	476	301	229	212	160	65	430	203	495	250	350	200	280	32	18	50	22	6×3.5	95	55	16×6	112
100-155	1/800	555	354	269	252	190	80	490	235	541	275	390	220	320	35	21	50	25	8×4	110	60	18×7	144
120-175	1/900	598	379	287	262	229	95	555	260	600	310	430	250	350	40	21	65	30	8×4	110	65	18×7	201
135-200		662	425	318	305	260	105	625	290	677	360	480	290	390	40	24	75	35	10×5	125	70	20×7.5	293
155-250		795	510	380	360	302	103	755	350	824	460	560	380	480	45	28	85	40	12×5	155	90	25×9	462

WPEX 型[MODEL] WPEO 型[MODEL]

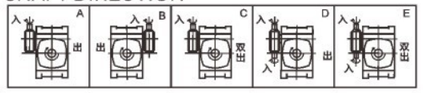




WPEX轴指向表示
SHAFT DIRECTIONV

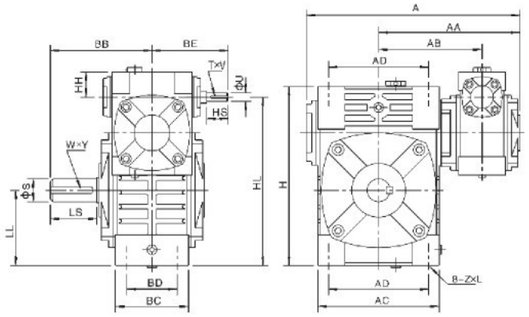


WPEO轴指向表示
SHAFT DIRECTION

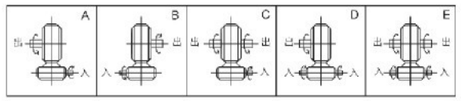


型号 size	传动比 ratio	A	AA	AB	BA	BB	BC	BE	HB	CA	M	N	E	E_1	E_2	G	Z	输入轴input hole HS	输入轴input hole U	输入轴input hole T×V	输出轴output shaft LS	输出轴output shaft S	输出轴output shaft W×Y	重量 (kg)
40-70	1/200 1/300 1/400 1/500 1/600 1/800 1/900	262	171	126	40	131	65	89	50	159	156	295	120	120	135	20	15	25	12	4×2.5	60	28	8×4	19
50-80		297	197	144	50	142	70	107	65	187	175	320	140	130	150	20	15	30	12	4×2.5	65	32	10×5	27
60-100		363	231	175	60	169	90	122	75	222	224	375	190	155	180	26	15	40	15	5×3	75	38	10×5	44
70-120		408	256	193	70	190	100	140	90	260	266	450	220	185	215	30	18	40	18	6×3.5	85	45	14×5.5	63
80-135		471	298	226	80	210	110	160	105	295	306	495	260	210	235	30	18	50	22	6×3.5	95	55	16×6	96
80-147		476	301	229	80	212	113	160	105	307	310	556	250	254	254	32	18	50	22	6×3.5	95	55	16×6	112
100-155		555	354	269	100	252	140	190	130	345	350	590	290	245	295	35	21	50	25	8×4	110	60	18×7	149
120-175		598	379	287	120	262	150	229	155	404	394	640	320	267	323	40	21	65	30	8×4	110	65	18×7	191
135-200		662	425	318	135	305	175	260	185	460	440	710	370	290	360	40	24	75	35	10×5	125	70	20×7.5	278
155-250		795	510	380	155	360	200	302	203	552	510	860	440	350	440	45	28	85	40	12×5	155	90	25×9	442

WPWE 型[MODEL]

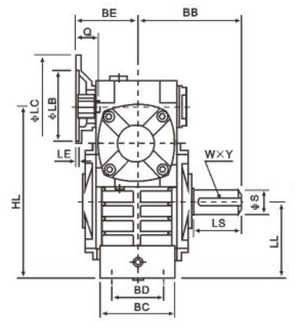


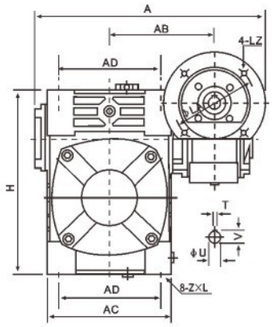
轴指向表示 SHAFT DIRECTION



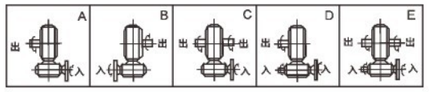
型号 size	传动比 ratio	A	AA	AB	BB	BE	AC	BC	AD	BD	HH	HL	LL	H	Z×L	输入轴 input shaft HS	输入轴 input shaft U	输入轴 input shaft T×V	输出轴 output shaft LS	输出轴 output shaft S	输出轴 output shaft W×Y	重量 weight (kg)
40-70	200 300 400 500 600 800 900	262	171	126	131	89	152	86	125	65	35	200	90	215	M10×25	25	12	4×2.5	60	28	8×4	17
50-80		297	197	144	142	107	169	102	140	70	35	235	105	250	M12×28	30	12	4×2.5	65	32	10×5	28
60-100		363	231	175	169	122	216	117	180	90	42	290	130	310	M12×30	40	15	5×3	75	38	10×5	43
70-120		408	256	193	190	140	256	124	220	100	55	345	155	370	M14×32	40	18	6×3.5	85	45	14×5.5	64
80-135		471	298	226	210	160	296	147	260	110	65	400	185	425	M16×35	50	22	6×3.5	95	55	16×6	99
100-155		555	354	269	252	190	345	185	280	120	80	458	203	461	M16×35	50	25	8×4	110	60	18×7	136
120-175		598	379	287	262	229	374	192	320	140	95	518	223	521	M16×35	65	30	8×4	110	65	18×7	193
135-200		662	425	318	305	260	412	230	360	150	105	580	245	575	M20×36	75	35	10×5	125	70	20×7.5	280
155-250		795	510	380	360	302	500	255	420	190	103	705	300	700	M24×42	85	40	12×5	155	90	25×9	442

WPWED 型[MODEL]



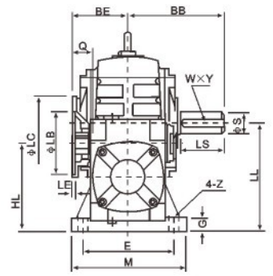


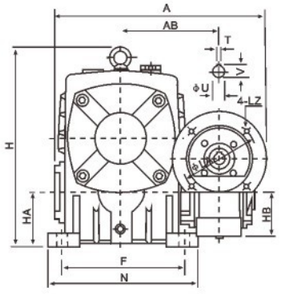
轴指向表示
SHAFT DIRECTION



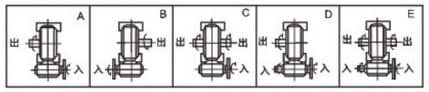
型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	BE	AC	BC	AD	BD	HL	LL	H	ZxL	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40-70	0.12	1/200 1/300 1/400 1/500 1/600 1/800 1/900	287	126	131	75	152	86	125	65	200	90	215	M10 X25	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	17
50-80	0.18		314	144	142	83	169	102	140	70	235	105	250	M12X28	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	28
60-100	0.37		387	175	169	91	216	117	180	90	290	130	310	M12X30	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	44
70-120	0.37		425	193	190	109	256	124	220	100	345	155	370	M14X32	130	110	160	4	M8	40	14	5×16.3	85	45	14×5.5	66
	0.75		445			111									165	130	200		M10	42	19	6×21.8				
80-135	0.75		499	226	210	125	296	147	260	110	400	185	425	M16X35	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	101
	1.5																			52	24	8×27.3				
100-155	1.5		570	269	252	148	345	185	280	120	458	203	461	M16X35	165	130	200	4.5	M10	52	24	8×27.3	110	60	18×7	139
120-175	2.2		631	287	262	181	374	192	320	140	518	223	521	M16X35	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	196
	3.0																									
135-200	3.0		680	318	305	202	412	230	360	150	580	245	575	M20X36	215	180	250	5	M12	63	28	8×31.3	125	70	20×7.5	285
	4.0																									
155-250	4.0		815	380	360	224	500	285	420	190	705	300	700	M24X42	215	180	250	5	M12	63	28	8×31.3	155	90	25×9	450
	5.5					247									265	230	300	5	M12	83	38	10×41.3				

WPEDA 型[MODEL]



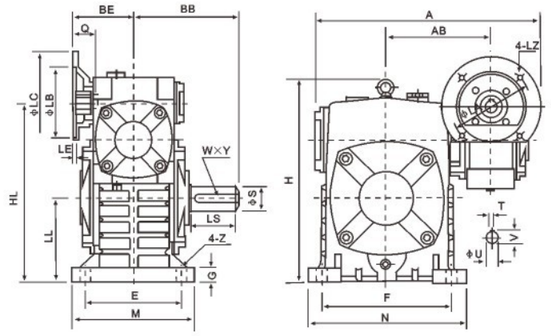


轴指向表示
SHAFT DIRECTION

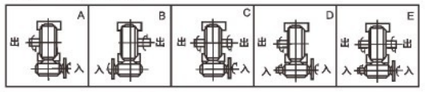


型号 size	入功率 (kw)	减速比 ratio	A	AB	BB	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40-70	0.12	1/200 1/300 1/400 1/500 1/600 1/800 1/900	287	126	131	75	110	140	236	70	50	150	190	115	150	20	15	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	19
50-80	0.18		314	144	142	83	130	160	268	80	65	170	220	135	180	20	15	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	27
60-100	0.37		387	175	169	91	160	200	336	100	75	190	270	155	220	25	15	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	45
70-120	0.37		425	193	190	109	190	240	430	120	90	230	320	180	260	30	18	130	110	160	4	M8	40	14	5×16.3	85	45	14×5.5	75
	0.75		445			111												165	130	200		M10	42	19	6×21.8				
80-135	0.75		499	226	210	125	215	270	480	135	105	250	350	200	290	30	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	103
	1.5																						52	24	8×27.3				
80-147	0.75		504	229	212	125	203	270	501	123	105	250	350	200	280	32	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	114
	1.5																						52	24	8×27.3				
100-155	1.5		570	269	252	148	235	290	531	135	130	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	110	60	18×7	147
120-175	2.2		631	287	262	181	280	335	600	160	155	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	204
	3.0																												
135-200	3.0		680	318	305	202	310	375	666	175	185	360	480	290	390	40	24	215	180	250	5	M12	63	28	8×31.3	125	70	20×7.5	298
	4.0																												
155-250	4.0		815	380	360	224	355	450	800	200	203	460	560	380	480	45	28	215	180	250	5	M12	63	28	8×31.3	155	90	25×9	470
	5.5					247												265	230	300	5	M12	83	38	10×41.3				

WPEDS 型[MODEL]

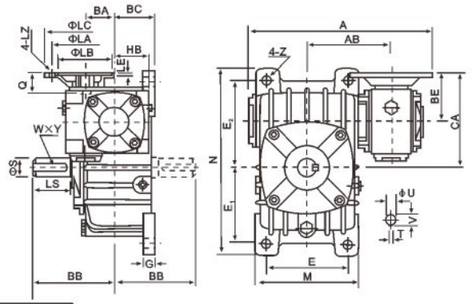


轴指向表示
SHAFT DIRECTION

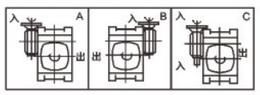


型号 size	入功率 (kw)	减速比 ratio	A	AB	BB	BE	HL	LL	H	M	N	E	F	G	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40-70	0.12	1/200 1/300 1/400 1/500 1/600 1/800 1/900	287	126	131	75	215	105	238	150	190	115	150	20	15	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	19
50-80	0.18		314	144	142	83	250	120	273	170	220	135	180	20	15	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	27
60-100	0.37		387	175	169	91	310	150	334	190	270	155	220	25	15	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	45
70-120	0.37		425	193	190	109	370	180	423	230	320	180	260	30	18	130	110	160	4	M8	40	14	5×16.3	85	45	14×5.5	75
	0.75		445			111										165	130	200		M10	42	19	6×21.8				
80-135	0.75		499	226	210	125	430	215	482	250	350	200	290	30	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	103
	1.5																				52	24	8×27.3				
80-147	0.75		504	229	212	125	430	203	495	250	350	200	280	32	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	114
	1.5																				52	24	8×27.3				
100-155	1.5		570	269	252	148	490	235	541	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	110	60	18×7	147
120-175	2.2		631	287	262	181	555	260	600	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	204
	3.0																										
135-200	3.0		680	318	305	202	625	290	677	360	480	290	390	40	24	215	180	250	5	M12	63	28	8×31.3	125	70	20×7.5	298
	4.0																										
155-250	4.0		815	380	360	224	755	350	824	460	560	380	480	45	28	215	180	250	5	M12	63	28	8×31.3	155	90	25×9	470
	5.5					247										265	230	300	5	M12	83	38	10×41.3				

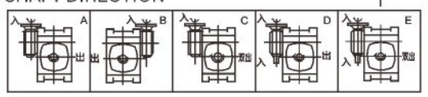
WPEDX 型[MODEL] WPEDO 型[MODEL]



WPEDX轴指向表示
SHAFT DIRECTION

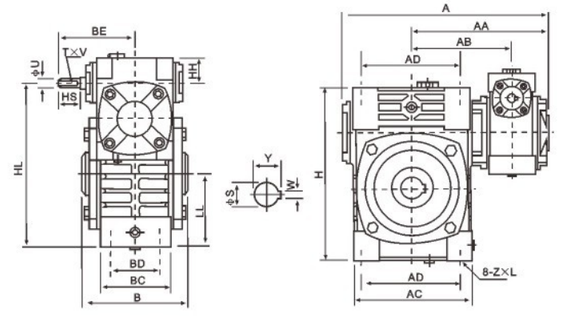


WPEDO轴指向表示
SHAFT DIRECTION

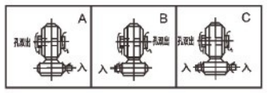


型号 size	入功率 (kw)	传动比 ratio	A	AB	BA	BB	BC	BE	HB	CA	M	N	E	E_1	E_2	G	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40-70	0.12	1/200 1/300 1/400 1/500 1/600 1/800 1/900	287	126	40	131	65	75	50	145	156	295	120	120	135	20	15	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	19
50-80	0.18		314	144	50	142	70	83	65	163	175	320	140	130	150	20	15	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	27
60-100	0.37		387	175	60	169	90	91	75	191	224	375	190	155	180	26	15	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	45
70-120	0.37		425	193	70	190	100	109	90	229	266	450	220	185	215	30	18	130	110	160	4	M8	40	14	5×16.3	85	45	14×5.5	65
	0.75		445					111		231								165	130	200		M10	42	19	6×21.8				
80-135	0.75		499	226	80	210	110	125	105	260	306	495	260	210	235	30	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	98
	1.5																						52	24	8×27.3				
80-147	0.75		504	229	80	212	113	125	105	272	310	556	250	254	254	32	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	114
	1.5																						52	24	8×27.3				
100-155	1.5		570	269	100	252	140	148	130	303	350	590	290	245	295	35	21	165	130	200	4.5	M10	52	24	8×27.3	110	60	18×7	152
120-175	2.2		631	287	120	262	150	181	155	356	394	640	320	267	323	40	21	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	194
	3.0																												
135-200	3.0		680	318	135	305	175	202	185	402	440	710	370	290	360	40	24	215	180	250	5	M12	63	28	8×31.3	125	70	20×7.5	283
	4.0																												
155-250	4.0		815	380	155	360	200	224	203	474	510	860	440	350	440	45	28	215	180	250	5	M12	63	28	8×31.3	155	90	25×9	450
	5.5							247		497								265	230	300	5	M12	83	38	10×41.3				

WPWEK 型[MODEL]

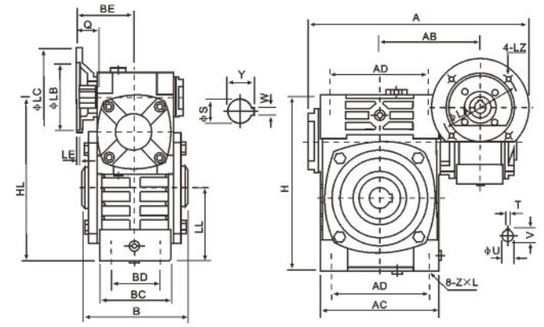


轴指向表示
SHAFT DIRECTION

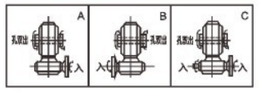


型号 size	传动比 ratio	A	AA	AB	B	BE	AC	BC	AD	BD	HH	HL	LL	H	ZxL	输入轴input hole HS	U	T×V	输出轴output shaft S	W×Y	重量 (kg)
40-70	1/200 1/300 1/400 1/500 1/600 1/800 1/900	262	171	126	132	89	152	86	125	65	35	200	90	215	M10 X25	25	12	4×2.5	30	8×33.3	17
50-80		297	197	144	150	107	169	102	140	70	35	235	105	250	M12X28	30	12	4×2.5	35	10×38.3	28
60-100		363	231	175	174	122	216	117	180	90	42	290	130	310	M12X30	40	15	5×3	40	12×43.3	43
70-120		408	256	193	180	140	256	124	220	100	55	345	155	370	M14X32	40	18	6×3.5	45	14×48.8	64
80-135		471	298	226	214	160	296	147	260	110	65	400	185	425	M16X35	50	22	6×3.5	60	18×64.4	99
100-155		555	354	269	256	190	345	185	280	120	80	458	203	461	M16X35	50	25	8×4	70	20×74.9	136
120-175		598	379	287	282	229	374	192	320	140	95	518	223	521	M16X35	65	30	8×4	80	22×85.4	193
135-200		662	425	318	324	260	412	230	360	150	105	580	245	575	M20X36	75	35	10×5	85	22×90.4	280
155-250		795	510	380	400	302	500	285	420	190	103	705	300	700	M24X42	85	40	12×5	110	28×116.4	442

WPWEDK 型[MODEL]

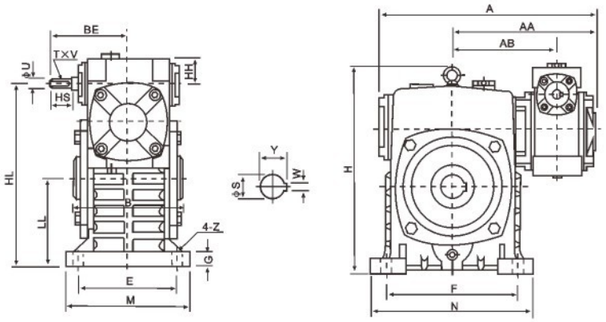


轴指向表示
SHAFT DIRECTION

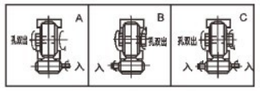


型号 size	入功率 (kw)	传动比 ratio	A	AB	B	BE	AC	BC	AD	BD	HL	LL	H	ZxL	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft S	W×Y	重量 (kg)
40-70	0.12	1/200 1/300 1/400 1/500 1/600 1/800 1/900	287	126	132	75	152	86	125	65	200	90	215	M10 X25	115	95	140	4	M8	31	11	4×12.8	30	8×33.3	17
50-80	0.18		314	144	150	83	169	102	140	70	235	105	250	M12X28	115	95	140	4	M8	31	11	4×12.8	35	10×38.3	28
60-100	0.37		387	175	174	91	216	117	180	90	290	130	310	M12X30	130	110	160	4	M8	33	14	5×16.3	40	12×43.3	44
70-120	0.37		425	193	180	109	256	124	220	100	345	155	370	M14X32	130	110	160	4	M8	40	14	5×16.3	45	14×48.8	66
	0.75		445			111									165	130	200		M10	42	19	6×21.8			
80-135	0.75		499	226	214	125	296	147	260	110	400	185	425	M16X35	165	130	200	4.5	M10	48	19	6×21.8	60	18×64.4	101
	1.5																			52	24	8×27.3			
100-155	1.5		570	269	256	148	345	185	280	120	458	203	461	M16X35	165	130	200	4.5	M10	52	24	8×27.3	70	20×74.9	139
120-175	2.2		631	287	282	181	374	192	320	140	518	223	521	M16X35	215	180	250	5	M12	63	28	8×31.3	80	22×85.4	196
	3.0																								
135-200	3.0		680	318	324	202	412	230	360	150	580	245	575	M20X36	215	180	250	5	M12	63	28	8×31.3	85	22×90.4	285
	4.0																								
155-250	4.0		815	380	400	224	500	285	420	190	705	300	700	M24X42	215	180	250	5	M12	63	28	8×31.3	110	28×116.4	450
	5.5					247									265	230	300	5	M12	83	38	10×41.3			

WPEKS 型[MODEL]

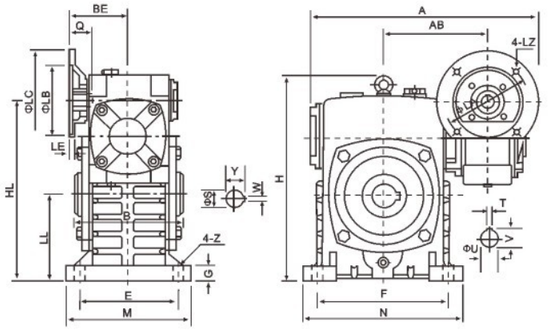


轴指向表示
SHAFT DIRECTION

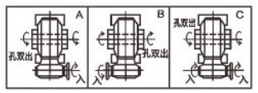


型号 size	传动比 ratio	A	AA	AB	B	BE	HH	HL	LL	H	M	N	E	F	G	Z	输入轴input shaft HS	U	T×V	输出轴output shaft S	W×Y	重量 (kg)
40-70		262	171	126	132	89	35	215	105	238	150	190	115	150	20	15	25	12	4×2.5	30	8×33.3	20
50-80	1/200	297	197	144	150	107	35	250	120	273	170	220	135	180	20	15	30	12	4×2.5	35	10×38.3	27
60-100	1/300	363	231	175	174	122	42	310	150	334	190	270	155	220	25	15	40	15	5×3	40	12×43.3	44
70-120	1/400	408	256	193	180	140	55	370	180	423	230	320	180	260	30	18	40	18	6×3.5	45	14×48.8	73
80-135	1/500	471	298	226	214	160	65	430	215	482	250	350	200	290	30	18	50	22	6×3.5	60	18×64.4	101
100-155	1/600	555	354	269	256	190	80	490	235	541	275	390	220	320	35	21	50	25	8×4	70	20×74.9	144
120-175	1/800	598	379	287	282	229	95	555	260	600	310	430	250	350	40	21	65	30	8×4	80	22×85.4	201
135-200	1/900	662	425	318	324	260	105	625	290	677	360	480	290	390	40	24	75	35	10×5	85	22×90.4	293
155-250		795	510	380	400	302	103	755	350	824	460	560	380	480	45	28	85	40	12×5	110	28×116.4	462

WPEDKS 型[MODEL]

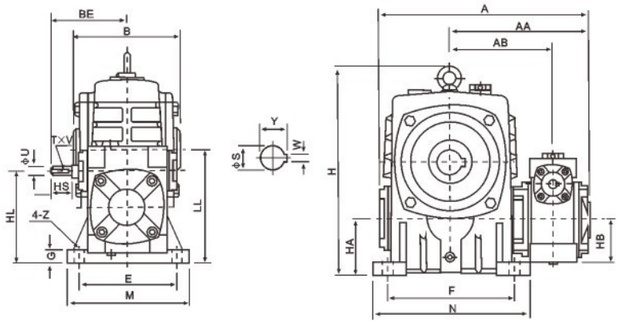


轴指向表示
SHAFT DIRECTION

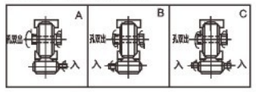


型号 size	入功率 (kw)	传动比 ratio	A	AB	B	BE	HL	LL	H	M	N	E	F	G	Z	电机法兰 flange LA	LB	LC	LE	LZ	入力孔 input hole Q	U	T×V	输出轴 output shaft S	W×Y	重量 (kg)
40-70	0.12		287	126	132	75	215	105	238	150	190	115	150	20	15	115	95	140	4	M8	31	11	4×12.8	30	8×33.3	19
50-80	0.18		314	144	150	83	250	120	273	170	220	135	180	20	15	115	95	140	4	M8	31	11	4×12.8	35	10×38.3	27
60-100	0.37		387	175	174	91	310	150	334	190	270	155	220	25	15	130	110	160	4	M8	33	14	5×16.3	40	12×43.3	45
70-120	0.37	1/200	425	193	180	109	370	180	423	230	320	180	260	30	18	130	110	160	4	M8	40	14	5×16.3	45	14×48.8	75
	0.75	1/300	445			111										165	130	200		M10	42	19	6×21.8			
80-135	0.75	1/400	499	226	214	125	430	215	482	250	350	200	290	30	18	165	130	200	4.5	M10	48	19	6×21.8	60	18×64.4	103
	1.5	1/500																			52	24	8×27.3			
100-155	1.5	1/600	570	269	256	148	490	235	541	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	70	20×74.9	147
120-175	2.2	1/800	631	287	282	181	555	260	600	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	80	22×85.4	204
	3.0	1/900																								
135-200	3.0		680	318	324	202	625	290	677	360	480	290	390	40	24	215	180	250	5	M12	63	28	8×31.3	85	22×90.4	298
	4.0																									
155-250	4.0		815	380	400	224	755	350	824	460	560	380	480	45	28	215	180	250	5	M12	63	28	8×31.3	110	28×116.4	470
	5.5					247										265	230	300	5	M12	83	38	10×41.3			

WPEKA 型[MODEL]

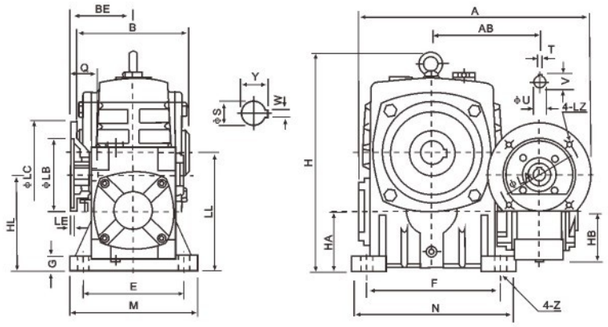


轴指向表示
SHAFT DIRECTION

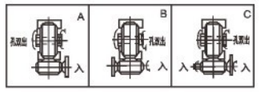


型号 size	传动比 ratio	A	AA	AB	B	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	输入轴input shaft HS	U	T×V	输出轴output shaft S	W×Y	重量 (kg)
40-70		262	171	126	132	89	110	140	236	70	50	150	190	115	150	20	15	25	12	4×2.5	30	8×33.3	20
50-80	1/200	297	197	144	150	107	130	160	268	80	65	170	220	135	180	20	15	30	12	4×2.5	35	10×38.3	27
60-100	1/300	363	231	175	174	122	160	200	336	100	75	190	270	155	220	25	15	40	15	5×3	40	12×43.3	44
70-120	1/400	408	256	193	180	140	190	240	430	120	90	230	320	180	260	30	18	40	18	6×3.5	45	14×48.8	73
80-135	1/500	471	298	226	214	160	215	270	480	135	105	250	350	200	290	30	18	50	22	6×3.5	60	18×64.4	101
100-155	1/600	555	354	269	256	190	235	290	531	135	130	275	390	220	320	35	21	50	25	8×4	70	20×74.9	144
120-175	1/800	598	379	287	282	229	280	335	600	160	155	310	430	250	350	40	21	65	30	8×4	80	22×85.4	201
135-200	1/900	662	425	318	320	260	310	375	666	175	185	360	480	290	390	40	24	75	35	10×5	85	22×90.4	293
155-250		795	510	380	400	302	355	450	800	200	203	460	560	380	480	45	28	85	40	12×5	110	28×116.4	462

WPEDKA 型[MODEL]

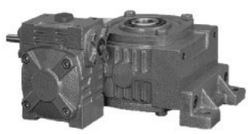


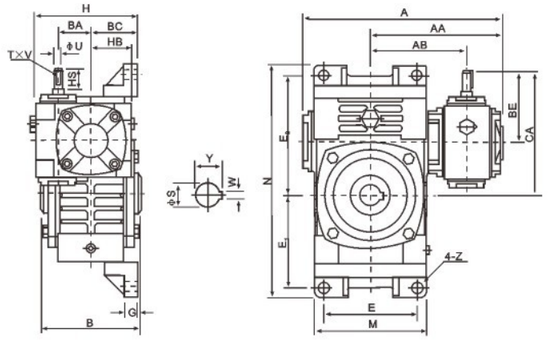
轴指向表示
SHAFT DIRECTION



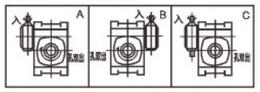
型号 size	入功率 (kw)	传动比 ratio	A	AB	B	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	电机法兰 flange LA	LB	LC	LE	LZ	入力孔 input hole Q	U	T×V	输出轴 output shaft S	W×Y	重量 (kg)
40-70	0.12		287	126	132	75	110	140	236	70	50	150	190	115	150	20	15	115	95	140	4	M8	31	11	4×12.8	30	8×33.3	19
50-80	0.18		314	144	150	83	130	160	268	80	65	170	220	135	180	20	15	115	95	140	4	M8	31	11	4×12.8	35	10×38.3	27
60-100	0.37		387	175	174	91	160	200	336	100	75	190	270	155	220	25	15	130	110	160	4	M8	33	14	5×16.3	40	12×43.3	45
70-120	0.37	1/200	425	193	180	109	190	240	430	120	90	230	320	180	260	30	18	130	110	160	4	M8	40	14	5×16.3	45	14×48.8	75
	0.75	1/300	445			111												165	130	200		M10	42	19	6×21.8			
80-135	0.75	1/400	499	226	214	125	215	270	480	135	105	250	350	200	290	30	18	165	130	200	4.5	M10	48	19	6×21.8	60	18×64.4	103
	1.5	1/500																					52	24	8×27.3			
100-155	1.5	1/600	570	269	256	148	235	290	531	135	130	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	70	20×74.9	147
120-175	2.2	1/800	631	287	282	181	280	335	600	160	155	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	80	22×85.4	204
	3.0	1/900																										
135-200	3.0		680	318	324	202	310	375	666	175	185	360	480	290	390	40	24	215	180	250	5	M12	63	28	8×31.3	85	22×90.4	298
	4.0																											
155-250	4.0		815	380	400	224	355	450	800	200	203	460	560	380	480	45	28	215	180	250	5	M12	63	28	8×31.3	110	28×116.4	470
	5.5					247												265	230	300	5	M12	83	38	10×41.3			

WPWEKO 型[MODEL]



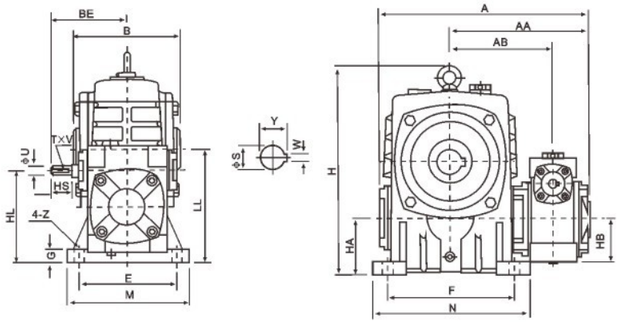


轴指向表示
SHAFT DIRECTION

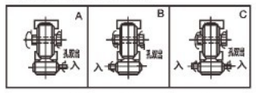


型号 size	传动比 ratio	A	AA	AB	B	BA	BC	BE	HB	CA	H	M	N	E	E_1	E_2	G	Z	输入轴input shaft			输出轴output shaft		重量 (kg)
																			HS	U	T×V	S	W×Y	
40-70		262	171	126	132	40	65	89	50	159	140	152	305	120	120	155	20	15	25	12	4×2.5	30	8×33.3	19.5
50-80	1/200	297	197	144	150	50	70	107	65	187	155	174	350	140	140	180	20	15	30	12	4×2.5	35	10×38.3	30.5
60-100	1/300	363	231	175	174	60	90	122	76	222	192	224	410	190	165	215	22	15	40	15	5×3	40	12×43.3	47
70-120	1/400	408	256	193	180	70	100	140	90	260	225	264	494	220	195	255	25	18	40	18	6×3.5	45	14×48.8	69
80-135	1/500	471	298	226	214	80	110	160	105	295	255	304	559	260	230	285	30	18	50	22	6×3.5	60	18×64.4	105
100-155	1/600	555	354	269	256	100	140	190	130	345	320	345	605	290	250	305	35	21	50	25	8×4	70	20×74.9	163
120-175	1/800	598	379	287	282	120	150	229	155	404	365	374	675	320	273	348	40	21	65	30	8×4	80	22×85.4	208
135-200	1/900	662	425	318	324	135	175	260	185	460	415	424	749	370	305	390	40	24	75	35	10×5	85	22×90.4	302
155-250		795	510	380	400	155	200	302	203	552	458	510	920	440	375	475	45	28	85	40	12×5	110	28×116.4	476

WPWEKA 型[MODEL]

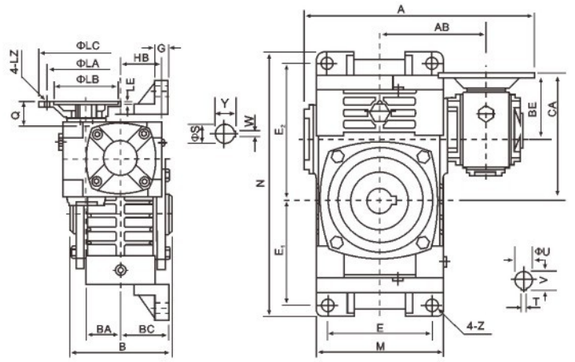


轴指向表示
SHAFT DIRECTION

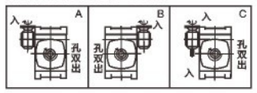


型号 size	传动比 ratio	A	AA	AB	B	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	输入轴input shaft			输出轴output shaft		重量 (kg)
																		HS	U	T×V	S	W×Y	
40-70		262	171	126	126	89	110	140	236	70	50	150	190	115	150	20	15	25	12	4×2.5	30	8×33.3	20
50-80	1/200	297	197	144	136	107	130	160	268	80	65	170	220	135	180	20	15	30	12	4×2.5	35	10×38.3	27
60-100	1/300	363	231	175	160	122	160	200	336	100	75	190	270	155	220	25	15	40	15	5×3	40	12×43.3	44
70-120	1/400	408	256	193	180	140	190	240	430	120	90	230	320	180	260	30	18	40	18	6×3.5	45	14×48.8	73
80-135	1/500	471	298	226	204	160	215	270	480	135	105	250	350	200	290	30	18	50	22	6×3.5	60	18×64.4	101
100-155	1/600	555	354	269	250	190	235	290	531	135	130	275	390	220	320	35	21	50	25	8×4	70	20×74.9	144
120-175	1/800	598	379	287	280	229	280	335	600	160	155	310	430	250	350	40	21	65	30	8×4	80	22×85.4	201
135-200	1/900	662	425	318	324	260	310	375	666	175	185	360	480	290	390	40	24	75	35	10×5	85	22×90.4	298
155-250		795	510	380	380	302	355	450	800	200	203	460	560	380	480	45	28	85	40	12×5	110	28×116.4	462

WPWEDKO 型[MODEL]

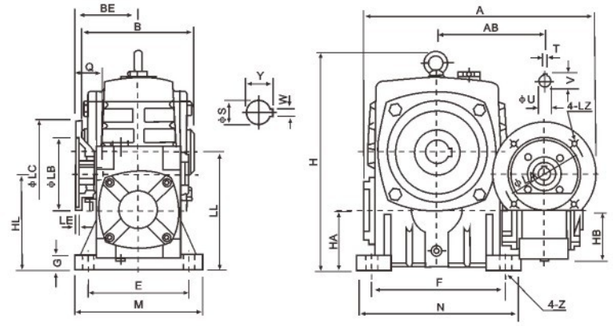


轴指向表示
SHAFT DIRECTION

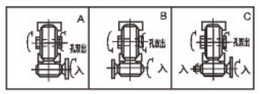


型号 size	入功率 (kw)	传动比 ratio	A	AB	B	BA	BC	BE	HB	CA	M	N	E	E_1	E_2	G	Z	电机法兰flange					入力孔input hole			输出轴output shaft		重量 (kg)
																		LA	LB	LC	LE	LZ	Q	U	T×V	S	W×Y	
40-70	0.12		287	126	132	40	65	75	50	145	152	305	120	120	155	20	15	115	95	140	4	M8	31	11	4×12.8	30	8×33.3	20
50-80	0.18		314	144	150	50	70	83	65	163	174	350	140	140	180	20	15	115	95	140	4	M8	31	11	4×12.8	35	10×38.3	31
60-100	0.37		387	175	174	60	90	91	75	191	224	410	190	165	215	22	15	130	110	160	4	M8	33	14	5×16.3	40	12×43.3	48
70-120	0.37	1/200	425	193	180	70	100	109	90	229	264	494	220	195	255	25	18	130	110	160	4	M8	40	14	5×16.3	45	14×48.8	71
	0.75	1/300	445					111		231								165	130	200		M10	42	19	6×21.8			
80-135	0.75	1/400	499	226	214	80	110	125	105	260	304	559	260	230	285	30	18	165	130	200	4.5	M10	48	19	6×21.8	60	18×64.4	107
	1.5	1/500																					52	24	8×27.3			
100-155	1.5	1/600	570	269	256	100	140	148	130	303	345	605	290	250	305	35	21	165	130	200	4.5	M10	52	24	8×27.3	70	20×74.9	166
120-175	2.2	1/800	631	287	282	120	150	181	155	356	374	675	320	273	348	40	21	215	180	250	5	M12	63	28	8×31.3	80	22×85.4	211
	3.0	1/900																										
135-200	3.0		680	318	324	135	175	202	185	402	424	749	370	305	390	40	24	215	180	250	5	M12	63	28	8×31.3	85	22×90.4	307
	4.0																											
155-250	4.0		815	380	400	155	200	224	203	474	510	920	440	375	475	45	28	215	180	250	5	M12	63	28	8×31.3	110	28×116.4	484
	5.5							247		497								265	230	300	5	M12	83	38	10×41.3			

WPWEDKA 型[MODEL]

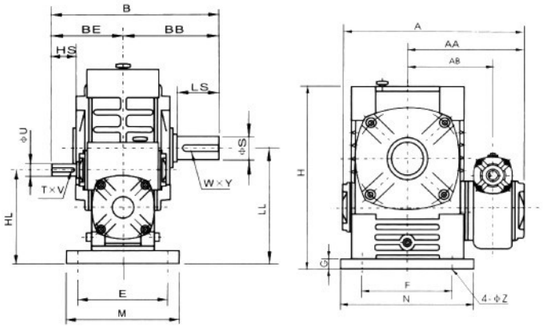


轴指向表示
SHAFT DIRECTION

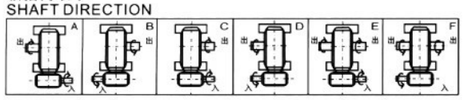


型号 size	入功率 (kw)	传动比 ratio	A	AB	B	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	电机法兰flange					入力孔input hole			输出轴output shaft		重量 (kg)
																		LA	LB	LC	LE	LZ	Q	U	T×V	S	W×Y	
40-70	0.12		287	126	126	75	110	140	236	70	50	150	190	115	150	20	15	115	95	140	4	M8	31	11	4×12.8	30	8×33.3	19
50-80	0.18		314	144	136	83	130	160	268	80	65	170	220	135	180	20	15	115	95	140	4	M8	31	11	4×12.8	35	10×38.3	27
60-100	0.37		387	175	160	91	160	200	336	100	75	190	270	155	220	25	15	130	110	160	4	M8	33	14	5×16.3	40	12×43.3	45
70-120	0.37	1/200	425	193	180	109	190	240	430	120	90	230	320	180	260	30	18	130	110	160	4	M8	40	14	5×16.3	45	14×48.8	75
	0.75	1/300	445			111												165	130	200		M10	42	19	6×21.8			
80-135	0.75	1/400	499	226	204	125	215	270	480	135	105	250	350	200	290	30	18	165	130	200	4.5	M10	48	19	6×21.8	60	18×64.4	103
	1.5	1/500																					52	24	8×27.3			
100-155	1.5	1/600	570	269	250	148	235	290	531	135	130	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	70	20×74.9	147
120-175	2.2	1/800	631	287	280	181	280	335	600	160	155	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	80	22×85.4	204
	3.0	1/900																										
135-200	3.0		680	318	324	202	310	375	666	175	185	360	480	290	390	40	24	215	180	250	5	M12	63	28	8×31.3	85	22×90.4	298
	4.0																											
155-250	4.0		815	380	380	224	355	450	800	200	203	460	560	380	480	45	28	215	180	250	5	M12	63	28	8×31.3	110	28×116.4	470
	5.5					247												265	230	300	5	M12	83	38	10×41.3			

WPWEA 型[MODEL]

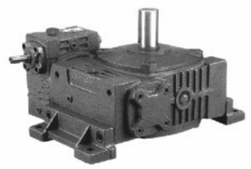


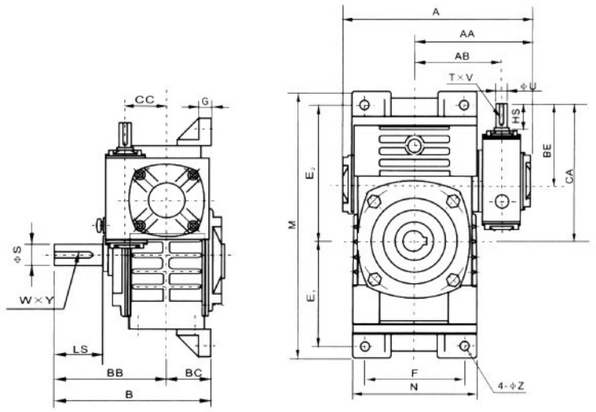
轴指向表示
SHAFT DIRECTION



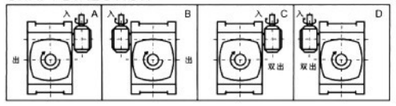
型号 size	传动比 ratio	A	AA	AB	B	BB	BE	HL	E	F	G	H	LL	M	N	Z	输入轴input shaft HS	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40-70	1/200	260	171	126	220	131	89	113	115	150	18	233	143	150	190	15	25	12	4×2.5	60	28	8×4	19
50-80	1/300	297	192	139	245	140	105	133	135	180	18	268	163	170	220	15	30	12	4×2.5	65	32	10×5	27
60-100	1/400	337	215	161	283	163	120	160	155	220	20	330	200	190	270	15	40	15	5×3	75	38	10×5	44
70-120	1/500	412	258	195	325	185	140	190	180	260	25	395	240	230	320	18	40	18	6×3.5	85	45	14×5.5	73
80-135	1/600	475	300	230	370	210	160	215	200	290	30	455	270	250	350	18	50	22	6×3.5	95	55	16×6	101
100-155	1/800	549	349	265	430	252	178	235	220	320	32	493	290	280	380	21	50	25	8×4	110	60	18×7	144
120-175	1/900	605	385	290	492	262	230	280	250	350	37	558	335	310	410	21	65	30	8×4	110	65	18×7	201
135-200		674	431	323	565	305	260	310	290	390	45	620	375	360	435	24	75	35	10×5	125	70	20×7.5	293

WPWEO 型[MODEL]



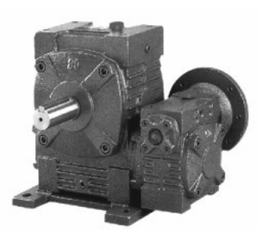


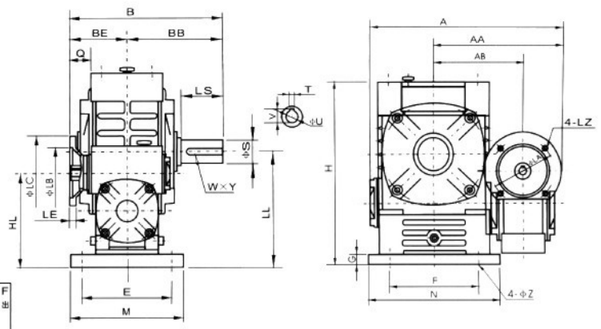
轴指向表示
SHAFT DIRECTION



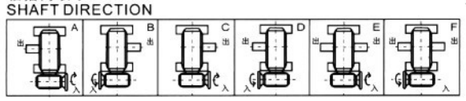
型号 size	传动比 ratio	A	AA	AB	B	BB	BC	BE	CA	CC	E_1	E_2	F	G	M	N	Z	输入轴input shaft HS	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
50-80	1/200	297	192	139	210	140	70	105	185	50	140	180	140	20	350	174	15	30	12	4×2.5	65	32	10×5	26
60-100	1/300	337	215	161	253	163	90	120	220	60	165	215	190	20	410	224	15	40	15	5×3	75	38	10×5	44
70-120	1/400	412	258	195	285	185	100	140	260	70	195	255	220	25	495	264	18	40	18	6×3.5	85	45	14×5.5	63
80-135	1/500	475	300	230	320	210	110	160	295	80	230	285	260	30	560	304	18	50	22	6×3.5	95	55	16×6	95
100-155	1/800	549	349	265	392	252	140	178	333	100	250	305	290	35	605	330	21	50	25	8×4	110	60	18×7	145
120-175	1/900	605	385	290	412	262	150	230	405	120	273	348	320	40	675	370	21	65	30	8×4	110	65	18×7	185

WPWEDA 型[MODEL]



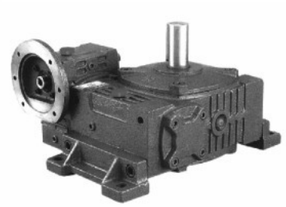


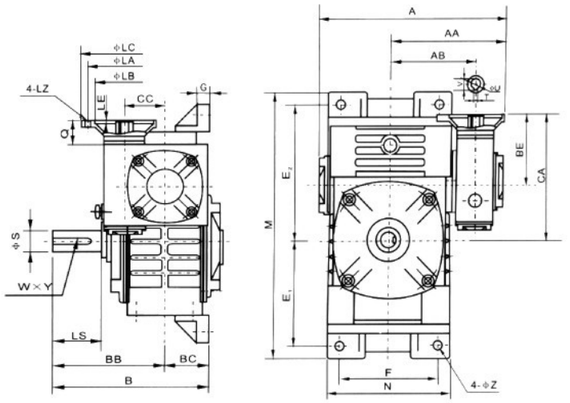
轴指向表示
SHAFT DIRECTION



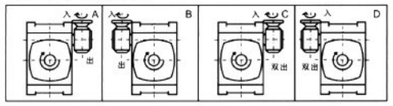
型号 size	入功率 (kw)	传动比 ratio	A	AA	AB	B	BB	BE	HL	E	F	G	H	LL	M	N	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40-70	0.12	1/200	287	196	126	206	131	75	113	115	150	18	233	143	150	190	15	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	20
50-80	0.18	1/300	314	209	139	224	140	84	133	135	180	18	268	163	170	220	15	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	27
60-100	0.37	1/400	363	241	161	255	163	92	160	155	220	20	330	200	190	270	15	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	45
70-120	0.37	1/500	429	275	195	295	185	110	190	180	260	25	395	240	230	320	18	130	110	160	4	M8	40	14	5×16.3	85	45	14×5.5	75
	0.75	1/600	449	295														165	130	200		M10	42	19	6×21.8				
80-135	0.75	1/800	505	330	230	338	210	128	215	200	290	30	455	270	250	350	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	103
	1.5	1/900																					52	24	8×27.3				
100-155	1.5		565	365	265	397	252	145	235	220	320	32	493	290	280	380	21	165	130	200	4.5	M10	52	24	8×27.3	110	60	18×7	147
	2.2		590	390		401		149										215	180	250		M12	63	28	8×31.3				
120-175	2.2		635	415	290	444	262	182	280	250	350	37	558	335	310	410	21	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	204
	3.0																												
135-200	3.0		691	448	323	505	305	200	310	290	390	45	620	375	360	435	24	215	180	250	5	M12	63	28	8×31.3	125	70	20×7.5	298
	4.0																												

WPWEDO 型[MODEL]



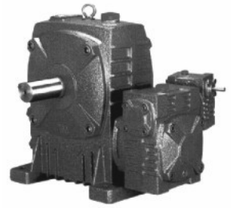


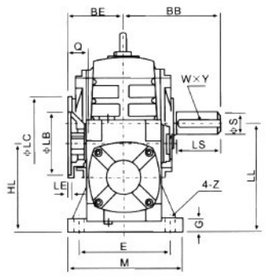
轴指向表示
SHAFT DIRECTION

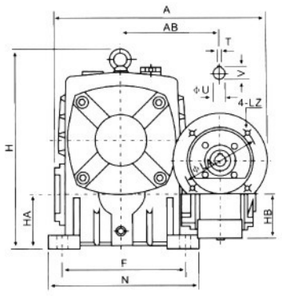


型号 size	入功率 (kw)	传动比 ratio	A	AA	AB	B	BB	BC	BE	CA	CC	E_1	E_2	F	G	M	N	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
50-80	0.18	1/200	314	209	139	210	140	70	84	164	50	140	180	140	20	350	174	15	115	95	140	4	M8	25	11	4×12.8	65	32	10×5	27
60-100	0.37	1/300	363	241	161	253	163	90	92	192	60	165	215	190	20	410	224	15	130	110	160	4	M8	35	14	5×16.3	75	38	10×5	45
70-120	0.37	1/400	429	275	195	285	185	100	110	230	70	195	255	220	25	495	264	18	130	110	160	4	M8	35	14	5×16.3	85	45	14×5.5	65
	0.75	1/500	449	295															165	130	200		M10	45	19	6×21.8				
80-135	0.75	1/600	505	330	230	320	210	110	128	263	80	230	285	260	30	560	304	18	165	130	200	4.5	M10	45	19	6×21.8	95	55	16×6	98
	1.5	1/800																						52	24	8×27.3				
100-155	1.5	1/900	565	365	265	392	252	140	145	300	100	250	305	290	35	605	330	21	165	130	200	5	M10	52	24	8×27.3	110	60	18×7	152
	2.2		590	390					149	304									215	180	250		M12	62	28	8×31.3				
120-175	2.2		635	415	290	412	262	150	182	357	120	273	348	320	40	675	370	21	215	180	250	5	M12	65	28	8×31.3	110	65	18×7	194
	3.0																												

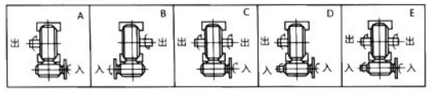
WPEEA 型[MODEL]





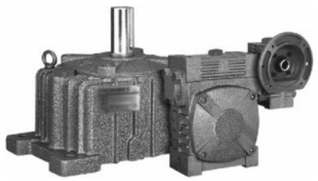


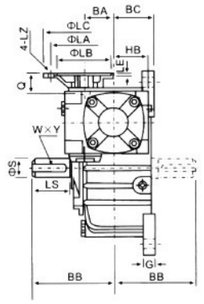
轴指向表示
SHAFT DIRECTION

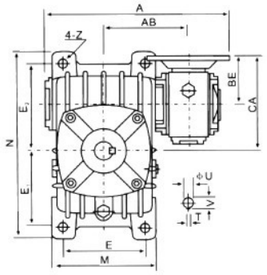


型号 size	入功率 (kw)	传动比 ratio	A	AB	BB	BE	HL	LL	H	HA	HB	M	N	E	F	G	Z	电机法兰flange LA	LB	LC	LE	LZ	入力孔input hole Q	U	T×V	输出轴output shaft LS	S	W×Y	重量 (kg)
40-70	0.12		287	126	131	75	110	140	236	70	50	150	190	115	150	20	15	115	95	140	4	M8	31	11	4×12.8	60	28	8×4	19
50-80	0.18		314	144	142	83	130	160	268	80	65	170	220	135	180	20	15	115	95	140	4	M8	31	11	4×12.8	65	32	10×5	27
60-100	0.37		387	175	169	91	160	200	336	100	75	190	270	155	220	25	15	130	110	160	4	M8	33	14	5×16.3	75	38	10×5	45
70-120	0.37		425	193	190	109	190	240	430	120	90	230	320	180	260	30	18	130	110	160	4	M8	40	14	5×16.3	85	45	14×5.5	75
	0.75	200	445			111												165	130	200		M10	42	19	6×21.8				
80-135	0.75	300	499	226	210	125	215	270	480	135	105	250	350	200	290	30	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	103
	1.5	400																					52	24	8×27.3				
80-147	0.75	100	504	229	212	125	203	270	501	123	105	250	350	200	280	32	18	165	130	200	4.5	M10	48	19	6×21.8	95	55	16×6	114
	1.5	600																					52	24	8×27.3				
100-155	1.5	800	570	269	252	148	235	290	531	135	130	275	390	220	320	35	21	165	130	200	4.5	M10	52	24	8×27.3	110	60	18×7	147
120-175	2.2	900	631	287	262	181	280	335	600	160	155	310	430	250	350	40	21	215	180	250	5	M12	63	28	8×31.3	110	65	18×7	204
	3.0																												
135-200	3.0		680	318	305	202	310	375	666	175	185	360	480	290	390	40	24	215	180	250	5	M12	63	28	8×31.3	125	70	20×7.5	298
	4.0																												
155-250	4.0		815	380	360	224	355	450	800	200	203	460	560	380	480	45	28	215	180	250	5	M12	63	28	8×31.3	155	90	25×9	470
	5.5					247												265	230	300	5	M12	83	38	10×41.3				

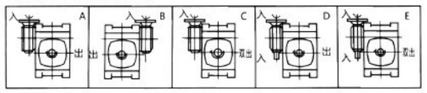
WPEEDO 型[MODEL]







轴指向表示
SHAFT DIRECTION



型号 size	传动比 ratio	A	AA	AB	B	BA	BC	BE	HB	CA	H	M	N	E	E_1	E_2	G	Z	输入轴input shaft HS	U	T×V	输出轴output shaft S	W×Y	重量 (kg)
40-70		262	171	126	132	40	65	89	50	159	140	152	305	120	120	155	20	15	25	12	4×2.5	30	8×33.3	19.5
50-80	200	297	197	144	150	50	70	107	65	187	155	174	350	140	140	180	20	15	30	12	4×2.5	35	10×38.3	30.5
60-100	300	363	231	175	174	60	90	122	76	222	192	224	410	190	165	215	22	15	40	15	5×3	40	12×43.3	47
70-120	400	408	256	193	180	70	100	140	90	260	225	264	494	220	195	255	25	18	40	18	6×3.5	45	14×48.8	69
80-135	500	471	298	226	214	80	110	160	105	295	255	304	559	260	230	285	30	18	50	22	6×3.5	60	18×64.4	105
100-155	600	555	354	269	256	100	140	190	130	345	320	345	605	290	250	305	35	21	50	25	8×4	70	20×74.9	163
120-175	800	598	379	287	282	120	150	229	155	404	365	374	675	320	273	348	40	21	65	30	8×4	80	22×85.4	208
135-200	900	662	425	318	324	135	175	260	185	460	415	424	749	370	305	390	40	24	75	35	10×5	85	22×90.4	302
155-250		795	510	380	400	155	200	302	203	552	458	510	920	440	375	475	45	28	85	40	12×5	110	28×116.4	476

4.选型方法
Selection Methods

4.1. 选型要素

4.1.1.输入功率、输出转矩

输入功率和输出转矩的转换公式如下：

输入功率P(kW)=输出转矩T(N.m)x输出轴转速N_2(r/min)/(9549x效率η)

减速机输入功率为减速机的输入动力容量，输出转矩为减速机许用承载能力，均在产品的各“功率、转矩”表中列出，可供选型时参照选用。

4.1.2.输入轴转速、输出轴转速

输入轴和输出轴转速的转换公式如下:

输出轴转速N_2(r/min)=输入轴转速N_1(r/min)/传动比i

当减速机以皮带轮、链轮及联轴器传动时，输入轴转速不宜超过2000(r/min，一般转速范围600-1800(r/min)，转速过高易使轴承加重磨擦而缩短寿命。

4.1.3.效率

效率计算公式如下:

效率 η=(输出功率/输入功率)x100%

由于减速机运转时内部存在磨擦及振动，部分输入能量将转化为热能等非工作消耗，效率就是减速机输入能量的利用率，效率的高低取决于蜗杆头数、蜗杆转速、润滑油粘度、轴承摩擦阻力及蜗轮副材质的摩擦系数等。每种规格、传动比的减速机，其效率数值各不相同，下表列出效率的-般范围数值，可供选型时参考:

传动比	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
效率	77~90%	76~88%	75~84%	72~82%	68~82%	64~75%	62~72%	60~71%

4.1.4.输入轴、输出轴回转方向

蜗杆减速机输出轴回转方向取决于蜗杆螺牙方向，基本型蜗轩减速机均为右旋螺牙。以本公司产品样本上WPA照片为依据，面对输入轴、输出轴观看，当输入轴顺时针方向旋转时，输出轴旋转方向为逆时针；以WPS照片为依据，面对输入轴、输出轴观看，当输入轴顺时针方向旋转时，输出轴旋转方向为顺时针；其余各种输出轴装配结构可按以上方法判定转向。当按特殊需要蜗杆螺牙方向制成左旋时，情况正好相反。

4.1.5.工况系数

减速机在设计时，其输入动力容量及许用承载能力的强度计算按照每天连续运转八小时、载荷稳定不变的理想工况设定，在实际使用时，现场工况(如:是否有反复启动停止或频繁正反转，使用时间是否少于或多于八小时，冲击载荷大小及特性)可能与理想工况相差甚远，在选型时应予充分考虑，在选用减速机输入功率或输出转矩时，可按下列公式加以修正：

修正输出转矩T_2(N.m)=理论输出转矩T_1(N.m)x工况系数K

工况系数K表

原动机	载荷状况	每日运转时间(小时)			
		0.5~2	2~6	6~10	10~24
电动机	平稳载荷	0.80	0.90	1.00	1.25
	中等冲击	0.90	1.00	1.25	1.50
	较大冲击	1.00	1.25	1.50	1.75
注：当正反转或停开次数1小时内达10次以上时，上表K值还应乘以1.2					

4.1. Selection points

4.1.1. Input power & output torque

The formula of transforming input power to output torque listed as follows:

input power P(kW)= output torqueT(N.m)xoutput revolving speed N_2(r/min)/(9549xefficiencyη)

Input power denotes the dynamical capacity of a reducer, and output torque denotes the maximum load a reducer allows, which are both listed in power and torque tables in order to serving selection.

4.1.2. Revolving speed of input shaft and output shaft

The formula of transforming input revolving speed to output listed as follows:

Output revolving speed N_2(r/min)= input revolving speed N_1(r/min)/ratio i

With belt - pulley, couplings or sprocket wheel shaft transmission, the input speed should not exceed 2000(r/min); the general range is 600-1800RPM. If the revolving speed is too high, the bearing will have less life due to over-friction.

4.1.3. Efficiencies

The efficiency calculation formula listed as follows:

Efficiency η=output power x100%/input power

Due to the internal vibration and wear, partial input energy will be transformed to be heat energy and fade away, Efficiency is the utilization ratios of input energy. The efficiency depends on worm's tooth number, revolving speed, lubricant oil viscidity, bearing friction and worm gear's material friction factor, Reducers with vary model or ratio have vary efficiency. The following table lists the range of the efficiency value.

Ratio	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
Efficiency	77~90%	76~88%	75~84%	72~82%	68~82%	64~75%	62~72%	60~71%

4.1.4. Revolving direction of input and output shaft

The revolving direction of output shaft relies on worm thread's direction; right-directed thread is for basic use. According to the photograph of WPA in our product manual, facing input shaft and output shaft, when input shaft is in clockwise, output shaft is in counter-clockwise; and according to the photograph of WPS, facing input shaft and output shaft, when input shaft is in clockwise, output shaft is in clockwise too; for other output shaft assembly structure, the method of ensuring revolving direction is as above. It will be adverse when the worm shaft is left-directed.

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4.1.5. Service Factor

When reducer is designed, the input load capacity and allowed intensity are calculated per a continual operation of 8 hours a day and per the ideal conditions of a uniform load design. However, the on-site use(e.g. repetitive start-up, stop or obverse and reverse rotation, use time more or less than 8 hours a day, different value and characteristics of impact load from standard conditions and so on) may be different from ideal use which should be taken into account. While selecting reducer input power or output torque, revise then according to the following formula:

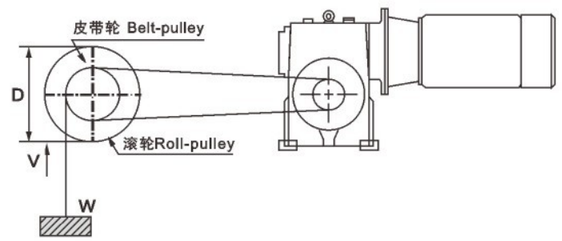
Revised output torque T_2(N. m)=theoretic output torque T_1 (N. m)Xrunning condition factor k

Table of Service factor k

Prime mover	Load	Operation time per day(hour)			
		0.5~2	2~6	6~10	10~24
Electromotor	Uniform	0.80	0.90	1.00	1.25
	Medium shock	0.90	1.00	1.25	1.50
	Heavy shock	1.00	1.25	1.50	1.75
Annotate:when the times of start-up, stop or obverse per hour is more than 1 O, the value K must multiply 1.2.					

4.2. 选型实例 Selection example

4.2.1. 基本情况 The basic condition

传动结构 Transmission struture	相关数据 Relative data
	●起吊物体重量 W=600Kg ●Weight of suspended object W=600Kg
	●起吊物体速度 V=12m/min ●Speed of suspended object V=12m/min
	●滚轮直径 D=0.4m ● Roll-pulley diameter D=0.4m
	●皮带轮传动效率 η_1=0. 92 ●Efficiency of belt-pulley η_1=0.92
	●减速机传动效率 η_2=0.71 ●Efficiency of reducer η_2=O.71
	●运转时间 8小时/日 ● Running time 8 hours per day
	●启动次数 2次/小时，较大冲击 ● 2 times per hour heavy shock
	●使用电源 三相380V，50Hz ● Electrical source three-phase 380V，50Hz

4.2.2.选型步骤 Selection steps

序号 Number	内容 Contents	计算公式 Formula	计算示例 Example
1	定传动比 Calculate ratio	根据输入轴及输出轴的转速确定传动比 1.计算皮带轮转速N_3 N_3=起吊速度V/(滚轮直径Dxπ) 2.计算总传动比i i=输入轴转速N_1/皮带转速N_3 3.计算减速机传动比i_1 i_1=总传动比i/皮带轮传动传动比i_2 Calculate the ratio according to input and output shaft revolving speed 1.get belt-pulley revolving speed N_3 N_3=speed of suspended object V/(roll-pulley diameter Dxπ) 2.Calculate general ratio i i=Input revolving speed N_1/belt-pulley revolvling speed N_3 3.Calculate reducer ratio i_1 i_1=general ratio i_2	1.N_3=12/(0.4X3.142) =9.6r/min 2. i=1440/9.6 =150 3.设定i_2=5,,则 i_2=150/5 =30
2	计算输出转矩 Calculate output torque	计算减速机输出转矩T T=物体重量Wx10x滚轮半径(D/2)/(皮带轮传动传动比i_2x皮带轮传动效率η_1) Calculate reducer output torque T T=weight of suspended object Wxl0xroll-pulley radius(D/2)/(belt-pulley ratio i_2x belt-pulley transmission effciency η_1)	T=600x10X(0.4/2) /(5x0.92) =260.9N.m
3	修正输出转矩 Revise output torque	根据使用条件,8小时运转、较大冲击，工况系数K=1.5 计算修正输出转矩T_1 T_1=输出转矩TxK according to using condition:operation 8 hours a day,heavy shook, running condition factor K=1.5 calculate revised torque T_1 T_1=output torque TxK	T_1=260.9x1.5 =391N.m
4	计算输入功率 Calculate input power	换算功率P P=修正输出转矩T_1x输出轴转速N_2/(9549x减速机传动效率η_2) Calculate input shaft power P P=revised output torque T_1 xoutput revolving speed N_2/(9549xreducer transmission efficiency η_2)	P=391x(1440/30)/ (9549x0.71)=2.77kW
5	选型号规格 Select model	根据产品样本，选定型号120.传动比1/30.输入轴功率3KW.输出轴转矩413N.m According to product manual, the selection is, Model 120, ratio1/30.rating input power 3KW, output torque413N.m	

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5.选型参数

Dynamical capacity table

WP.WPK.WPW.WPWK(A.S.X.O.T.V)型输入功率及输出轴转矩表Input and output

输入轴转速Speed of input shaft:1500r/min

功率及转矩 Power and torque / 传动比 ratio / 型号 size	输入轴功率 Input(kW)								输出轴转矩 Output(N.m)							
	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
40	0.40	0.33	0.26	0.24	0.22	0.16	0.14	0.12	19	23	20	25	25	20	22	20
50	0.65	0.52	0.40	0.37	0.34	0.27	0.24	0.20	31	36	32	38	39	36	37	35
60	1.00	0.82	0.65	0.59	0.54	0.45	0.40	0.32	50	58	56	68	62	71	75	59
70	1.60	1.35	1.10	0.96	0.82	0.67	0.61	0.52	83	98	101	112	99	104	113	97
80	2.20	1.78	1.36	1.28	1.20	0.90	0.80	0.75	113	133	120	149	151	140	145	146
100	3.60	3.10	2.60	2.35	2.10	1.68	1.30	1.00	193	237	258	284	277	291	257	229
120	5.20	4.35	3.50	3.25	3.00	2.20	1.90	1.50	262	336	361	404	413	392	399	355
135	9.75	7.85	6.00	5.50	5.00	3.69	2.89	2.30	540	622	619	696	707	667	626	562
155	12.80	9.90	7.00	6.53	6.00	4.40	3.61	3.00	709	785	722	842	848	784	770	791
175	17.30	13.60	10.00	9.13	8.30	6.18	4.85	4.07	958	1091	1044	1221	1189	1133	1127	1079
200	22.60	18.20	13.86	12.75	11.67	8.78	6.71	5.58	1280	1477	1482	1643	1782	1654	1516	1449
250	33.20	27.40	21.60	20.00	18.43	14.00	10.43	8.62	1881	2266	2310	2579	2745	2674	2357	2371

WPD. WPDK. WPWD.WPWDK(A.S.X.O. T. V)型输入功率及输出轴转矩表Input and output

输入轴转速Speed of input shaft: 1500r/min (配用A02或Y系列电机 Matching elecrtic motor series A02 or Y)

功率及转矩 Power and torque / 传动比 ratio / 型号 size	输入轴功率 Input(kW)								输出轴转矩 Output(N.m)							
	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
40	0.12								6	8	9	13	14	15	19	20
50	0.18								9	12	14	19	20	24	28	34
60	0.37								19	26	34	42	42	58	67	73
70	0.75					0.37			39	54	70	87	95	58	68	70
80	1.5					0.75			77	112	142	174	189	117	136	146
100	1.5								80	115	149	181	198	260	307	344
120	3					2.2			151	232	310	372	413	392	480	521
135	4					3			219	321	413	509	565	542	649	690
155	5.5					4			305	411	525	709	760	713	853	1039
175	7.5					5.5			415	602	783	1002	1074	1008	1278	1450
200	11					7.5			623	892	1176	1417	1680	1413	1695	1948
250	15					11			850	1246	1604	1933	2234	2101	2486	3025

WPE. WPEK. WPWE. WPWEK. WPED. WPEDK. WPWED. WPWEDK (A.S.X.O)型
输入轴功率及输出轴转矩表Input and output

输入轴转速Speed of Input shaft: 1500r/min

型号 Size	功率及转矩 Power and torque	WPE、WPEK、WPWE、WPWEK 传动比 Ratio							WPED、WPEDKW、PWED、WPWEDK 传动比 Ratio						
		200	300	400	500	600	800	900	200	300	400	500	600	800	900
40-70	输入轴功率(kW)	0.48	0.34	0.28	0.25	0.23	0.20	0.17	0.12	0.12	0.12	0.12	0.12	0.12	0.12
	输出轴转矩(N.m)	250	250	250	250	250	250	250	63	88	107	120	130	150	177
50-80	输入轴功率(kW)	0.65	0.51	0.42	0.38	0.31	0.29	0.25	0.18	0.18	0.18	0.18	0.18	0.18	0.18
	输出轴转矩(N.m)	350	350	350	350	350	350	350	97	124	150	166	203	217	252
60-100	输入轴功率(kW)	0.95	0.67	0.52	0.44	0.40	0.35	0.33	0.37	0.37	0.37	0.37	0.37	0.37	0.37
	输出轴转矩(N.m)	500	500	500	500	500	500	500	195	276	356	420	463	529	561
70-120	输入轴功率(kW)	1.64	1.18	0.91	0.81	0.71	0.58	0.54	0.75	0.75	0.75	0.75	0.37	0.37	0.75
	输出轴转矩(N.m)	840	840	840	840	840	840	840	384	534	692	750	486	536	887
80-135	输入轴功率(kW)	2.50	1.75	1.39	1.19	1.08	0.98	0.85	1.5	1.5	1.5	1.5	0.75	0.75	1.5
	输出轴转矩(N.m)	1400	1400	1400	1400	1400	1400	1400	616	880	1108	1294	1010	1071	1426
80-147	输入轴功率(kW)	2.79	2.1	1.71	1.47	1.34	1.20	1.06	1.5	1.5	1.5	1.5	0.75	0.75	1.5
	输出轴转矩(N.m)	1575	1575	1575	1575	1575	1575	1575	662	902	1208	1316	1300	1321	1575
100-155	输入轴功率(kW)	3.69	2.92	2.41	2.07	1.89	1.69	1.50	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	输出轴转矩(N.m)	2100	2100	2100	2100	2100	2100	2100	854	1079	1307	1522	1667	1864	2100
120-175	输入轴功率(kW)	5.09	3.91	3.27	2.72	2.53	2.50	2.05	3	3	3	3	2.2	2.2	3
	输出轴转矩(N.m)	3050	3050	3050	3050	3050	3050	3050	1798	2340	2798	3050	2500	2685	3050
135-200	输入轴劝率(kW)	7.22	5.41	4.46	3.83	3.46	2.91	2.71	4	4	4	4	3	3	4
	输出轴转矩(N.m)	3950	3950	3950	3950	3950	3950	3900	2188	2920	3543	3950	3950	3950	3950
155-250	输入轴功率(kW)	11.71	8.14	6.00	5.14	4.67	4.07	3.67	5.5	5.5	5.5	5.5	4	4	5.5
	输出轴转矩(N.m)	6050	6050	6050	6050	6050	6050	6050	2841	4087	5546	6050	6050	6050	6050

注:型号80-147暂无WPWE(A.S.X.O.)及WPWEK(A.S.O.)

润滑油注油量（l）
Adding capacity of lubrication oil

机型 Type / 型号 Size	WP(D.K)A	WP(D.K)S	WP(D.K)X.0	WPW(D)
40	0.1	0.2	0.2	0.2
50	0.2	0.4	0.5	0.4
60	0.3	0.5	0.6	0.5
70	0.6	0.9	1.2	0.8
80	1	1.3	1.5	1.5
100	1.7	2.7	3.9	2.6
120	2.8	4.5	5.8	4.5
135	4.5	7.2	8.6	5.6
147	4.2	7	11.1	-
155	5.9	10.3	14.2	11.7
175	7.5	12.1	16.7	13.9
200	12.2	18.9	27.2	16.7
250	22	33.9	48.9	30

实际传动比
Actual ratio

名义传动比 Ratio / 实际传动比 Actual ratio / 规格 Size	10	15	20	25	30	40	50	60
40	10	15	20	25	30	40	50	60
50	10	15	20	25	30	40	50	60
60	10	15	20	25	30	39	50	60
70	10	15	20	25	30	40	50	60
80	10	15	20	25	30	40	50	60
100	10	15	20	25	30	40	50	60
120	10	15	19.5	25	30	39	50	60
135	10	15	20	25	30	40	50	60
147	9.667	14.5	20	25	29	40	50	61
155	10	15	20	25	30	40	50	59
175	10	15	20	25	30	40	50	60
200	10	15	20.5	25	30	41	50	60
250	10.25	15.25	20.5	25	30.5	41	50	61

TAIGONG 泰工减速机
WP系列蜗轮蜗杆减速机
WP SERIES WORM GEARBOX

6.使用说明
Installation & Usage

6.1.安装注意事项

6.1.1 减速机须安装在平整坚固的底座上，底脚螺栓必须紧固、防震。

6.1.2 原动机——减速机——工作机的各联接轴伸，安装后必须互相准确对准轴线。

6.1.3 减速机输入端及输出端轴伸外径尺寸公差均按h6制作，与之相配的联轴器、皮带轮、链轮等传动件内孔须按合适的尺寸公差配制，避免装配过紧损坏轴承，装配过松影响正常动力传递。

6.1.4 链轮、齿轮等传动件装上轴伸时，应尽量靠近轴承，以减少轴伸弯曲应力。

6.1.5 WPD型减速机装配电机时，应在蜗杆头部内孔孔壁及键槽处涂抹黄油，避免装配过紧，防止轴孔日久生锈。

6.1.6 订购使用各类WPD减速机肘，若电机重量偏大，应设支撑装置。

6.2. 使用注意事项

6.2.1 使用前应注意检查减速机型式结构、中心距规格、传动比、输入轴连接方式、输出轴结构、输入轴输出轴轴指向和回转方向等是否符合使用要求。

6.2.2 按照样本上“油品润滑”中所规定的要求，注入合适的品种牌号润滑油。加油后，旋紧顶部的通气器，拔掉通气器上之小锥塞，减速机方可开始运转。必须选用合适牌号的润滑油，必须控制适宜的加油量，必须按规定要求及时换油，尤其要重视首次使用100小时后的更换新油。

6.2.3 使用过程中发生不正常情况时，应及时停机检查，可参照“故障分析”表处理。（减速机的油温最高允许达到95℃，在此温度界限下，只要油温不再上升，可以放心使用）。

6.1. Notices of installation

6.1.1 The base-plate must be plane and stoutness, and the base-bolts must be screwed down and shockproof.

6.1.2 The connecting shafts of prime mover, reducer and operation device must be coaxial after installation.

6.1.3 The diameter tolerance zone of input and output shaft is h6, the holes of fittings (such as couplings, belt-pulley, sprocket wheel and so on) must properly mate the shaft, which prevents bearing from breakage because of over-tight mate or avoid effecting normal power transmission because of over-loose mate.

6.1.4 Drivers such as sprocket wheel and gear must be fitted close to bearings in order to reduce bending stress of hanging shaft.

6.1.5 While assembling motor of WPD reducer, it is necessary that proper amount of butter applies to the worm shaft input hole and keyway, avoiding assembling too tightly and rusting after using for a long time.

6.1.6 When Ordering or using all kinds of WPD type, if the motor weight is bigger than the common, Supporting Set is required.

6.2. Notices of usage

6.2.1 Before using, please check carefully whether the reducer model, distance, ratio, input connecting method, output shaft structure, input and output shaft direction and revolving direction accord with requirement.

6.2.2 According to the requirement of "lubricant" in the product manual, please fill proper category and brand lubricant. And then screw on the vent-plug, uncork the small cone-plug of vent-plug. Only After doing these, reducer is ready for starting up running. The proper brand and adequate lubricant oil is required; replacing oil in time conforming to the request of product manual is also necessary, especially after using first 100 hours, it is required refilling new oil.

6.2.3 When abnormal circumstances occur, please stop and check reducer per "Malfunctions Analysis" (allowable highest oil temperature is 95°C, under this temperature limit, if oil temperature no more goes up, please let reducer continue running).

7.油品润滑
Lubricant

蜗杆减速机使用前应注入N220～N320(环境温度-30℃～40℃)或N320～N460(环境温度25℃～65℃)润滑油至油标中心点之上，并取掉通气器上之小锥塞。首次使用100小时后，洗净内部换上新油，以后每2500小时换油一次。

Before operation, input N220～N320(Ambient temperature-30℃～40℃)、N320～460(Ambient temperature 25℃～65℃)lubrication oil up to the center line of the oil gauge. In the meanwhile, remove the small screw of the ai r-vent. After having worked for 100 hours for the first time, must clear the inside and change the lubrication oil in it, then renew the lubrcant oil per 2500 hours.

减速机在使用时，可按下表选用润滑油
Lubricants for a reducer used in foreign countries can be chosen from the table below

Worm shaft speed(r/min)		Lubricant	Operating position Worm shaft,upper Worm shaft vertical	Operating position Worm shaft,lower Output Shaft Vertical
Over	up to			
1000	3000	Synthetic oils	PG460	PG220
	1000			PG220
2000	3000	Mineral oils	ISO VG460	ISO VG200
750	2000			ISO VG320
250	750			ISO VG460
	250		ISO VG680	ISO VG680

周围温度 Ambient Temp	负荷 Load	ISO VG	GB3141-82	Shell	Mobil	AGMA	中国石油
-30℃～-15℃	普通Commonly	VG-100	N100	Shell Omala 100	Gear627	5	HD-100
	重 Weight	VG-150	N150	Shell Omala 150	Gear629	7	HD-150
-15℃～5℃	普通Commonly	VG-150	N150	Shell Omala 150	Gear629	7	HD-150
	重 Weight	VG-220	N220	Shell Omala 220	Gear630	7EP	HD-220
5℃～25℃	普通Commonly	VG-220	N220	Shell Omala 220	Gear630	7EP	HD-220
	重 Weight	VG-320	N320	Shell Omala 320	Gear632	6	HD-320
25℃～40℃	普通Commonly	VG-320	N320	Shell Omala 320	Gear632	6	HD-320
	重 Weight	VG-460	N460	Shell Omala 460	Gear634	8	HD-460
40℃～60℃	普通Commonly	VG-460	N460	Shell Omala 460	Gear634	8	HD-460
	重 Weight	VG-680	N680	Shell Omala 680	Gear636	8EP	HD-680

After the first 100 hours of operation:Drain unit and flush with light oil.Refill.
Every 2500 hours of operation:Drain unit and flush with light oil.Refill.

TAIGONG 泰工减速机
WP系列蜗轮蜗杆减速机
WP SERIES WORM GEARBOX

故障情况 Fault Description	故障原因 Reasons	解决办法 Solutions
过 热 Overheating	原动力、减速机、工作机连接不当 Improper connection among prime mover, reducer and the operation device	调整至适当位置，使三者相联轴线同轴 Adjust to proper position
	超负荷运转 Overloading	适当调整负荷 Adjust to proper load
	油封过度磨擦 Over friction of oil seals	在油封唇口处滴润滑油 Drop lubicant at oil seal
	润滑油过少或过多 Lubricant oil overmuch or shortage	按油标指示点调整油量 Adjust to proper oil quantity as indication
	润滑油杂质多或润滑性差 Much impurity in oil or inferior oil	按润滑油选用表更换合适新油 Refill proper oil
振 动 Vibration	原动力、减速机、工作机固定不良 Prime mover, reducer and the operation device mount badly	查出不良固定部件，正确固紧 Find out the bad place,tighteh it
	蜗轮副齿部磨耗或损伤 Tooth surface of worm gear sets worn-out or damaged	更换蜗轮副（需要时本公司配合） Replace worm gear sets(we will cooperate with you when necessary)
	轴承磨损 Bearing worn-out	更换轴承 Replace Bearing
	螺栓松脱 Bolt loose	固紧螺栓 Tighten Screw
杂 音 Noise	原动机与减速机连接不当 reducer and the operation device	原动机重新调整连接 Adjust to proer position
	辅承损伤或间隙过大 Bearing damaged or too large clearance	更换轴承 Replace Bearing
	蜗轮副齿合不良 Worm gear sets mesh badly	修整齿面或更换蝇轮副(请与本公司联系) Mend tooth surface or replace worm gear sets (please contact to us)
	润滑油不足 Lubricant oil shortage	按注油方式或补加润滑油 Fill inadequate oil as lubricant capacity table
漏 油 Oil leakage	油封唇口磨损 Oil seallip worn-out	更换油封 Replace oil seal
	油封档轴颈磨损 Shalt of oil seal area worn-out	更换输出轴或输入轴 Replace input or output
	油量过多 Too much oil	按油标指示点调整油量 Discharge adequate oil as indication
	放油螺塞未旋紧 Oil screw plug loose	螺纹处加密封胶，旋紧螺塞 Tighten oil screw plug
	油标破损 Oil gauge damaged	更换油标 Replace oil gauge
蜗轮副齿面磨损过快 Tooth surface of worm gear sets abrade extra-quickly	超负荷运转 Overload	调整至适当负荷 Adjust to proper loading
	润滑油不符合要求 Lubricant oil not according with requirement	更换合适的润滑油 Replace proper lubricant oil
	润滑油不足 Lubricant oil shortage	按油标指示点加足润滑油 Fill adequate oil as indication
	未按规定适时换油，润滑油劣化 Not replacing lubricant oil in time according to requirement, oil deteriorates	按规定要求适时更换润滑油 Replacing oil in time according to requirement
	运转温度过高 Overheating while running	1.按“过热”故障处理 2.采取合适措施，降低环境温度 1.Deal with it as"Overheating" 2.Adopting proper measures to make envirannent temperature fall

注：如遇发生其他故障无法解决，请随时与我们联系，以便提供咨询服务。
Annotate: If other faults not listed above occur, Please contact with us at any moment,Our company will supply thorough consultation and service.

07

TAIGONG 泰工减速机

PC SERIAL GEAR REDUCER

PC系列齿轮减速机

15年生产经验 10万+企业共同的选择

结构特点 Structural feature

PC系列减速机是采用模块化结构设计的单级齿轮传动减速机–即PC063型单级齿轮传动减速机的传动比i=3.0;PC071型单级齿轮传动减速机的传动比i=3.0；PC080型单级齿轮传动减速机的传动比i=3.0;PC090型单级齿轮传动减速机的传动i=2.42;(详细参数见后面“技术参数”表）。PC系列减速机可以独立供货，也可以直接与NMRV系列蜗杆减速机组合(PC+NMRV组合方式详细参数见后面“PC+NMRV组合型减速机组合方式”表.)。

PC系列前置级减速机与NMRV系列蜗杆减速机连续方法较为简单，类似于B14型的安装方式。

PC serial gear reducer is a single–stage gear driving one adopting modularized structural design.i.e PC063 single–stage gear driving reducer,its transmission ration i=3.0;PC071 single–stage gear driving reducer,its transmission ratio i=3.1;PC080 single–stage gear driving reducer,its transmission raton i=3.1;PC090 single–stage gear driving reducer.its transmission ration i=2.42; (the detailed data shown in the following table of technical data).(For the form of PC+NMRV combination,its detailed data seen in the following table of “The Combination Form of PC+NMRV reducer”).

The connection method PC serial top reducer and NMRV serial worm reducer is comparatively simple,similar to the connection form of B14.

主要件材料 The materials for main parts

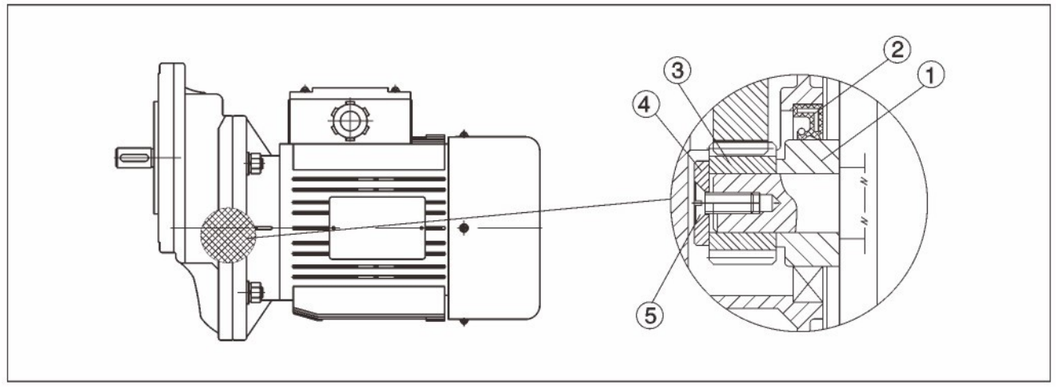
1.压铸铝合金（ZL106)箱体。
2.20CrMnMo齿轮合金钢表面处理（渗碳淬火），渐开线齿形磨削（磨齿）。
3.减速机输出轴采用40Cr中碳钢热处理（调质.表面淬火处理)。

1.Die–casting aluminum alloy (ZL106) case ;
2.20CrMnMo gear alloy steel,surface treatment(cementing&hardening).involute tooth shape grinding (grinding gear teeth);
3.The output shaft of reducer is made of 40Cr and adopts the heat treatment for medium carbon steel (seasoning and surface hardening treatment).

电机安装 Installation of the motor

为了正确将小齿轮安装在电机轴上，请遵循以下几点要求：
1.全面清洗电机的输出轴。
2.取下电机输出轴上的平键。
3.加热轴套①至100℃~120℃,按下图示讲轴套①装在电机的输出轴上。
4.参考装轴套①的方法装上小齿轮③。
5.装上垫圈④,拧紧沉头螺钉⑤.(沉头螺钉要涂上螺纹紧固胶防松)。
6.因PC减速机已注满润滑油,小心取出图示②处密封端盖.(PC减速机出厂时配了电机,无此工序.)。
7.装上图示②骨架油封和电机，注意不要损坏骨架油封。
注意：PC系列减速机所采用的是高质量的标准电机，可保证电机无振动，低噪音运行。

The installation of the motor on PC serial gear reducer:
In order to fix the pinion correctly on motor shaft, please follow the procedures below:
1.Completely clean the output shaft of the motor;
2.Remove the flat key on the output shaft;
3.Heat the sleeve(1) up to 100℃~120℃,and fix the sleeve(1)on the output shaft based on the diagram;
4.Fix the pinion(3)referring to the method of fixing the sleeve(1);
5.Fix the washer(4),and fasten countersunk head screws(5)(countersunk head screws shall be coated with screw fixing glue in order to prevent looseness);
6.Because PC speed reducer has been filled with lubricate ,carefully remove the sealing end cover at(2)in the diagram;
(This procedure does not exist because PC speed reducer has been provided with a motor when leaving the factory.)
7.Replace skeleton oil seal and motor at(2)in the diagram, being careful not to damage the skeleton oil seal;
Note: PC serial speed reducer adopts a standard motor with high quality, and the motor may run with no vibration and low noise.



润滑油 Lubricating oil of the motor

PC系列减速机采用2#极压锂基钙润滑脂润滑（长期性），可按说明书上规定的位置安装。
PC系列减速机采用2#极压锂基钙润滑脂使用的工作范围–20℃~+50℃
–PC serial reducer adopts No.2 extreme pressure lithium lubricating grease(long–term) for lubrication; and the reducer may be fixed according to the position indicated on the specification;
–No.2 extreme pressure lithium lubricating grease adopted on PC serial reducer has the working range from –20℃~+50℃

减速机型号 Type	PC 063	PC 071	PC 080	PC 090
B3、B8 B6、B7 V5、V6	0.05L	0.07L	0.15L	0.15L

注：润滑油的油量单位（升）
Note: The unit of lubricant oil is liter (L).

型号标记 Signs and markl exaple

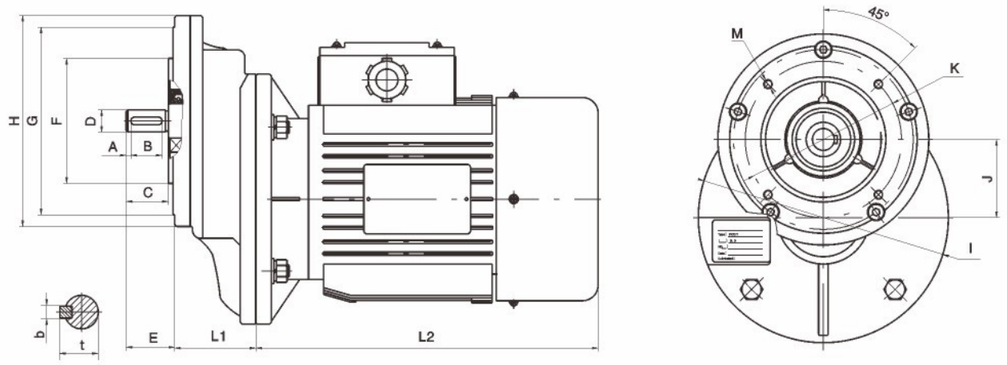
PC系列减速机的型号由型式代号、机座号、所配电机类型（功率和极数）、公称速比输出轴直径组成，代号标记见下表：
The model includes model code ,bass number type equipped (power and pole number).nominal gear ratio and the diameter of output shaft
The code is shown in rhe following table:

PC	减速机的型式代号 Type
063、071、080、090	减速机的机座号 Base number
Y0.09–Y2.20(2P、4P、6P、8P)	配电机功率，极数（4P省略） Whth motor power,poles(our polds omittde)
3.00、2.42	公称速比（此种减速机为单级齿轮传动可以省略） Nominal gear ratio (This kond of reducer is sing–stage gdar drive, available to omit)
ϕ11、ϕ14、ϕ19、ϕ24、ϕ28	输出轴直径（标准轴径省略） Output shaft diameter (Standard shaft diameter omitted)
B3、B8、B6、B7、V5、V6	安装方式代号（见PC系列减速机安装方式） Code of installation form(See the installation fom of Pcserial reducer)
1、2、3、4	接线盒方向代号（见电机接线盒方向） Location of suitchbox (See location of motor suitchbox)

型号标记示例：
Signs and marks example

PC063–Y0.18(4P)–3.0–ϕ11–B8–3等同于PC063–Y0.18–B8–3	
PC	减速机的型号代号：PC Type:PC
063	减速机的机座号：63 Base number:063
Y0.18(4P)	配电机功率;0.18KW,极数=4P(配电机63B5型） With motor power:0.18KW，four poles(with motor 63B5type)
3.00	公称速比：3.00（可以省略） Nominal ratio:3.00(can omitted)
ϕ11	输出轴直径：ϕ11（标准轴径可以省略） Output shaft diameter: ϕ11(Standard shaft diameter omitted)
B8	安装方式代号：B8(见PC系列减速机安装方式） Code of installation fom:B8(See the installation form of PC serial reducer)
3	接线盒方向代号：3（见电机接线盒方向） Location of suitchbox:3(see location of motor suitchbox)

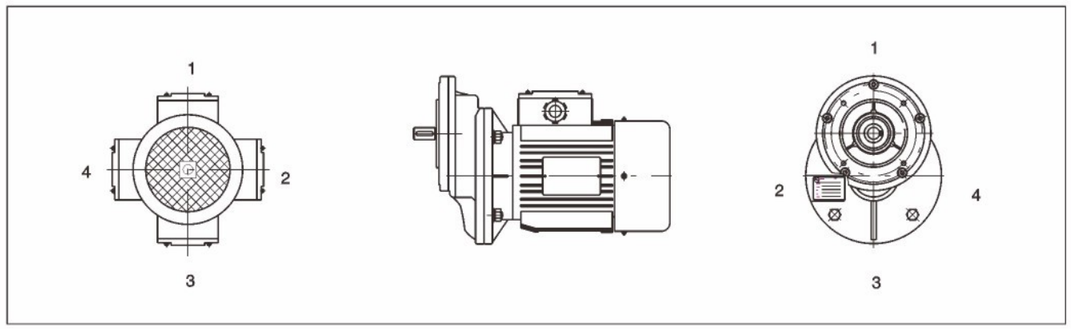
外形尺寸图 Appearance size



型号 Type	输出轴 Output shaft							输出法兰 Output flange							法兰型号 Flange type	L1	L2(电机型号)
	A	B	C	D(js6)	b	t	E	F(H8)	G	H	I	J	K	M			
PC063	1.5	18	21	11	4	12.5	23	70	105	105	114	40	85	4-M6×10	71B14	45	202 (63B5型)
	2	20	28	※14	5	16	30										
PC071	3	20	27	14	5	16	30	80	120	120	135	50	100	4-M6×10	80B14	53	220 (71B5型)
	3	32	37	※19	6	21.5	40										
PC080	3	32	40	19	6	21.5	40	110	160		200	63	130	4-M8×11	100B14	72.5	255 (80B5型)
	4	40	50	※24	8	27	50										
	4	50	60	※28	8	31	60										
PC090	3	32	40	※19	6	21.5	40	110	160		200	63	130	4-M8×11	100B14	72.5	265 (90B5型) 290 (90LB5型)
	3	40	50	24	8	27	50										
	3	50	60	※28	8	31	60										

注：表中所列输出轴径“D(js6)”没有打”※“为有标准规格，打有”※“为非标规格，用户可根据需要选用。
Note:The output shaft`s diameter "D(js6)" without “※"shown in the table is standard specification ,or the diameter without “※" is non-standard one; the user may select them based on the need

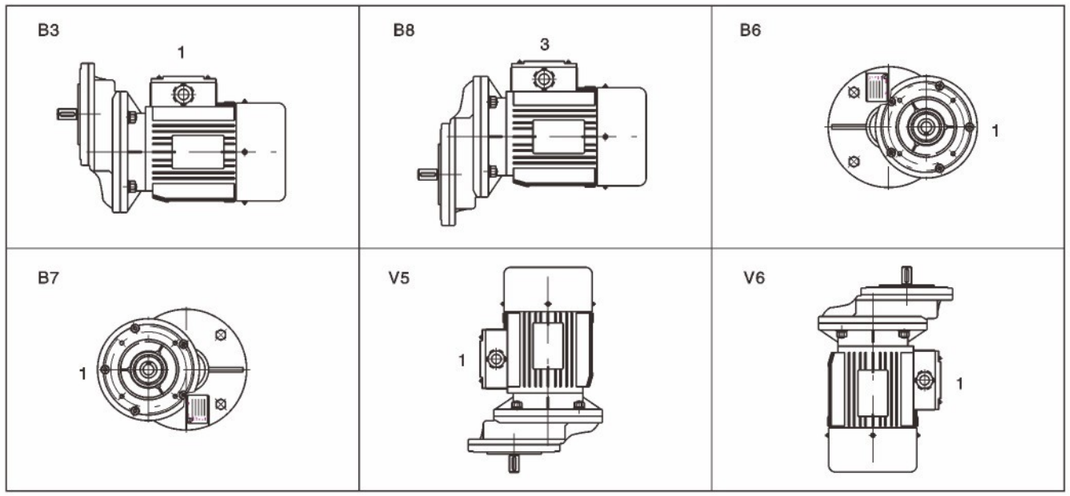
电机接线盒方向 Location of suitchbox



注意：如有特殊要求，订货时按图表标明接线盒位置。
Notice:For specific requirement, indicate the position of suitchbox based on the diagram in the order

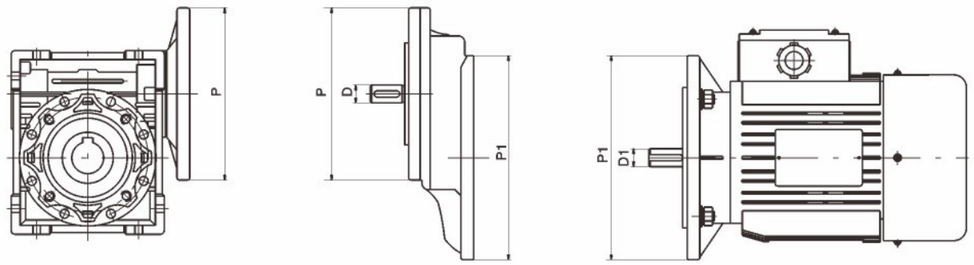
TAIGONG 泰工减速机
PC系列齿轮减速机
PC SERIAL GEAR REDUCER

安装方式 Installation



注意：1、如无特殊说明，以B3为标准安装方式
2、无注明安装方式时,请与我公司技术部联系
Note:1、If no specific description,B3 is regarded as standard installation form.
2、If no installation form described. please contact our technical department.

PC+NMRV组合型减速机组合方式 Combined of PC+NMRV reducer



型号 Type	输入孔 (D1) Input hole	输入法兰 (P1) Input flange	输出轴 (D) Output shaft	输出轴 (D*) Output shaft	输出法兰 (P) Output flange
PC63	11	63B5(140)	11	14	71B14(105)
PC71	14	71B5(160)	14	19	80B14(120)
PC80	19	80B5(200)	19	24	100B14(160)
PC90	24	90B5(200)	24	28	100B14(160)

注意：D*为非标尺寸，订货时请注明。
Note: D* is a non-standard size, please indicate when ordering.

PC+NMRV		电机型号-P1/D1 motor type	P/D	(P/D)	备注 Remarks
PC063+	NMRV40 NMRV50 NMRV63	63B5-Φ140/Φ11	Φ105/Φ11	(Φ105/Φ14)	蜗杆减速机配输入法兰71B14型 Worm reducer is provided with 71B14 type input flange
PC071+	NMRV50 NMRV63 NMRV75 NMRV90	71B5-Φ160/Φ14	Φ120/Φ14	(Φ120/Φ19)	蜗杆减速机配输入法兰80B14型 Worm reducer is provided with 80B14 type input flange
PC080+	NMRV75 NMRV90 NMRV110 NMRV130	80B5-Φ200/Φ19	Φ160/Φ19	(Φ160/Φ24) (Φ160/Φ28)	蜗杆减速机配输入法兰71B5型 Worm reducer is provided with 71B5 type input flange
PC090+	NMRV110 NMRV130	90B5-Φ200/Φ24	Φ160/Φ24	(Φ160/Φ19) (Φ160/Φ28)	蜗杆减速机配输入法兰71B5型 Worm reducer is provided with 71B5 type input flange

注：打括号的尺寸为非标规格，用户可以根据需要选用。
Note:The dimension with bracket is non-standard spectification:the user may select it based on the need.

蜗杆减速机型号 Type	蜗杆减速机速比 (I)	PC063		PC071		PC080			PC090		
		Φ105/Φ11 i=3	Φ105/Φ14 i=3	Φ120/Φ14 i=3	Φ120/Φ19 i=3	Φ160/Φ24 i=3	Φ160/Φ24 i=3	Φ160/Φ28 i=3	Φ160/Φ19 i=2.42	Φ160/Φ24 i=2.42	Φ160/Φ28 i=2.42
NMRV40	25										
	30										
	40										
	50										
	60										
	80										
	100										
NMRV50	25										
	30										
	40										
	50										
	60										
	80										
	100										
NMRV63	25										
	30										
	40										
	50										
	60										
	80										
	100										
NMRV75	25										
	30										
	40										
	50										
	60										
	80										
	100										
NMRV90	25										
	30										
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	80										
	100										
NMRV110	25										
	30										
	40										
	50										
	60										
	80										
	100										
NMRV130	25										
	30										
	40										
	50										
	60										
	80										
	100										

08

TAIGONG 泰工减速机

T SERIES SPIRAL BEVEL GEAR STEERING DEVICE

T系列螺旋伞齿轮转向器

15年生产经验 10万+企业共同的选择

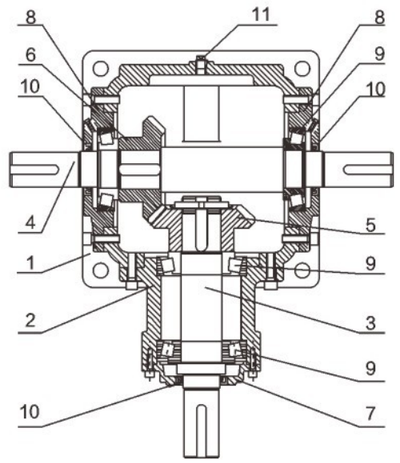
产品概述 Product Overview

1、T系列螺旋伞齿轮转向器，标准化、多品种，速比1: 1、1.5:1、2:1、2.5:1、3:1、4:1、5:1全部为实际传动比，平均率98%。
2、有单轴、双横轴、单纵轴、双纵轴可选。
3、螺旋锥齿轮可以正反运转，低速或高速传动平稳，而且噪声低、振动小、承受力大。
4、当速比不为1:1时，横轴输入、纵轴输出为减速，纵轴输入、横轴输出为增速。

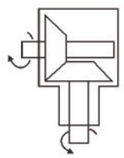
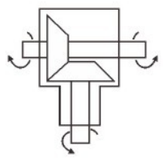
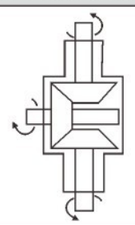
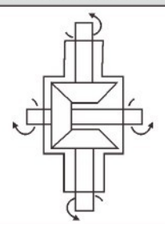
1.T Series spiral bevel redirector with various types are standardized, all ratios of 1 : 1,1.5: 1,2: 1,2.5: 1,3:1,4:1 and 5:1 are actual ones. Average efficiency is 98%.
2.There are one input shaft, two input shafts, unilateral output shaft and double side output shaft.
3.Spiral bevel gear can rotate in both directions and transmit smoothly, low noise, light vibration, high performance.
4.If ratio is not 1: 1,if input speed on single-extendalbe shaft, output speed will be reduced; if input speed on double-extendable shaft output speed will be reduced.

产品结构图 Product Structural View

1.机座	Housing
2.横轴座	Housing of input shaft
3.横轴	Input shaft
4.纵轴	Output shaft
5.横轴锥齿轮	Drive spiral bevel gear
6.纵轴锥齿轮	Driven spiral bevel gear
7.端盖	Bearing seat of input shaft
8.端盖	Bearing seat of output shaft
9.轴承	Bearing
10.油封	Oil Seal
11.油镜	Oil gauge



转向功能 Function Of Rotation

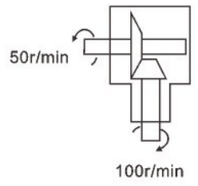
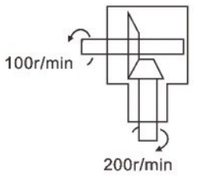
1 横轴 Input shaft		2 横轴 Input shafts	
2轴 2-extended shaft	3轴 3-extended shaft	3轴 3-extended shaft	4轴 4-extended shaft
			

说明: 当输入轴旋转方向改变，输出轴相应改变。 Specification: Direction of rotation of output shaft varies with that of input shaft.

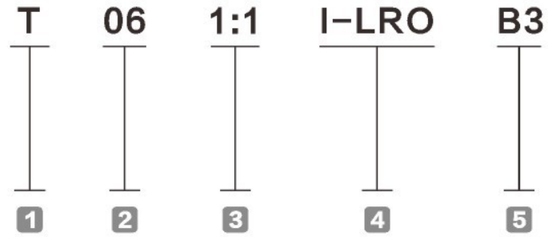
TAIGONG 泰工减速机
T系列螺旋伞齿轮转向器
T SERIES SPIRAL BEVEL GEAR STEERING DEVICE

选定输入轴时应注意转数关系（1:1传动比时无关系）

Parry attention to the ration when.fixing the input side (there is nothing in case of ratio of 1:1)

减速 Reducing	增速 Increasing
	
50r/min 100r/min 当横轴输入100r/min时 纵轴输出50r/min Output speed is 50rpm, when input speed is 100rpm	100r/min 200r/min 当纵轴输入100r/min时 横轴输出200r/min Output speed is 200rpm when input speed is 100rpm

型号表示方法 Expressed method of Model



1	2	3	4	5
螺旋伞齿轮转向器 Spiral bevel gear reducer overview	机座号 Size of gear units	速比 Ratio	轴配置 Shaft arrangement	安装方位 Mounting position

重量表 Weight Table

型号Type	T2	T4	T6	T7	T8	T10	T12	T16	T20	T25
m(kg)	2	10	21	32	49	78	124	188	297	488

转向器Fr(N)表 Redirector Fr(N) Table

i_N	n1 (r/min)	T2		T4		T6		T7		T8		T10		T12		T16		T20		T25	
		横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴
1:1	1450	265	216	833	951	1911	2450	2450	3136	3234	3381	4165	4508	5096	5586	10633	10976				
	1150	323	235	882	1029	2058	2597	2744	3234	3479	3626	4459	4851	5488	6076	11368	11760	15386	15608		
	870	402	255	960	1127	2205	2842	2989	3381	3773	3969	4851	5292	5880	6566	12446	12740	16660	17150	24794	25480
	580	549	314	1078	1323	2499	3185	3381	3822	4263	4459	5488	5880	6713	7301	14014	14504	18816	19404	28028	28910
	400	637	353	1372	1715	3185	3528	4018	4900	4851	5978	6272	7056	7742	8134	15680	16170	21070	21756	31360	32340
	300	696	392	1519	1960	3430	3528	4410	5537	5243	6958	6713	7987	8232	9065	17150	17640	23422	24108	34300	35280
	200	784	441	1911	1960	3430	3528	5096	6272	7889	8820	8575	9604	9261	10290	19600	19894	25970	26754	38612	39788
	100	980	588	1911	1960	3430	3528	5096	6272	8428	8820	9996	11760	11368	12593	22540	22540	28420	32928	39200	49000
	10	980	588	1911	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	22540	22540	28420	33320	39200	49000
1.5:1	1450			1078	1960	2548	2842	3430	5390	4361	7987	5194	9212	5978	10486	5978	12152	7693	14602		
	1150			1078	1960	3038	3087	4067	5978	5096	8820	6174	10486	7252	12152	6419	13083	8771	17934	12985	24647
	870			1078	1960	3430	3332	4753	6076	6076	8820	7448	11760	8869	14504	6958	14210	9506	19453	13573	29400
2:1	580			1078	1960	3430	3528	5096	6174	7644	8820	9555	11760	11466	14504	7840	16072	10780	22001	15680	33222
	400			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	8820	17934	12005	24598	17542	37142
2.5:1	300			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	9604	19600	13132	27342	19159	40474
3:1	200			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	10829	22148	14798	30282	21658	45766
	100			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	13328	22540	18228	33320	26656	49000
	10			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	22540	22640	28420	33320	39200	49000

备注：各规格更低的输出转速按以上最大的Fr值。
Notes: If there is lower output speed, please choose the maximum from the above table.

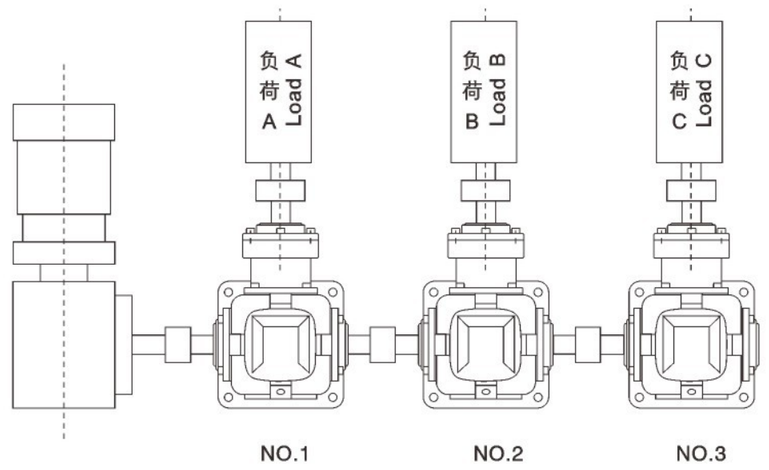
被驱动设备系数f1 Service Factor f1

负荷性质 Load characteristic	每天使用时闭(小时) Operating time/day (hour)		
	≤2	2~10	0~24
均匀负载Uniform	1.00(1.00)	1.00(1.25)	1.25(1.50)
一般冲击Moderate	1.00(1.25)	1.25(1.50)	1.50(1.75)
强烈冲击Heavy	1.25(1.50)	1.50(1.75)	1.75(2.00)

备注：当每个小时起动、停止次数在10次以上，请使用括号内数值。
Notes: Please use these data inside the bracket when number of starts and stops/hour is greater than ten times.

TAIGONG 泰工减速机
T系列螺旋伞齿轮转向器
T SERIES SPIRAL BEVEL GEAR STEERING DEVICE

T 系列举例
T series selection example



3台负载全部为196N·m，一般冲击，每天连续工作8小时，即使用系数fs=1.25，斜齿轮输入轴转速300r/min，速比全部为1:1。

根据公式：

每台转向器本身所需的负载MN2≥M2×fs=196×1.25=245N·m

※1号转向器 因1号转向器本身的负载为245N·m,而2号、3号转向器需通过1号转向器传递扭矩。

所以1号转向器应承担的负载为: 245N·m+245N·m+245N·m=735N·m，依据传动能力表，应选T12。

※2号转向器 除本身的负载245N·m，还需传递3号转向器的扭矩。所以总负载应为245N·m+245N·m=490N·m，依据传动能力表，应选T10。

※3号转向器 由于仅一个负载C进行运转，即所需负载在245N·m以上即可，依据传动能力表可选T08。

Torque values of three gear reducer are 196Nm, uniform impulsire force, operate continuous for 8 hour per day, th at is, useful factor fs=1.25,input speed of 300rpm, ratio of 1:1.

Calculate according to formula:

Required torque of any of gearbox MN2 is equal to 245Nm or larger.

No.1 gear reducer No.1 gear reducer carry torque 245Nm, but No.2 and No.3 gear reducer need transfer torque through No.1,Consequently No.1 gear reducer should carry torque 735Nm(245Nm+245Nm+245Nm), select T12. according to transmission capacity table.

No.2 gear reducer No.3 gear reducer still transfers torque of No.3gear reducer besides torque of245Nm, so, the total torq -ue is 490Nm (245Nm+245Nm), select T10 according to transmission capacity table.

No.3 gear reducer Required torque is more than 245Nm because of only load C according to transmission capacity Table select T08.

传动能力表 Transmission Capacity Table

i_N	n1 (r/min)	T2		T4		T6		T7		T8	
		M_{N2}(N · m)	P_{N1}(kw)	M_{N2}(N · m)	P_{N1}(kw)	M_{N2}(N · m)	P_{N1}(kw)	M_{N2}(N · m)	P_{N1}(kw)	M_{N2}(N · m)	P_{N1}(kw)
1 :1	1450	11.6	1.79	31.9	4.94	96.0	14.9	142	22.0	294	45.6
	1150	11.7	1.43	34.1	4.19	103	12.7	150	18.4	305	37.5
	870	12.1	1.12	37.2	3.46	113	10.5	164	15.2	312	29.0
	580	12.1	0.747	39.5	2.45	119	7.35	184	11.4	319	19.8
	400	12.3	0.524	40.2	1.72	122	5.20	195	8.34	326	14.0
	300	12.3	0.396	40.5	1.30	123	3.93	198	6.35	331	10.6
	200	12.4	0.226	41.2	0.880	124	2.66	201	4.30	338	7.23
	100	12.7	0.136	41.9	0.448	127	1.36	206	2.20	346	3.70
	10	13.0	0.014	43.0	0.046	132	0.141	214	0.228	361	0.386
1.5:1	1450					117	12.1	145	15.0	185	19.1
	1150					122	9.96	147	12.0	188	15.4
	870					123	7.66	150	9.30	191	11.8
	580					126	5.23	153	6.32	197	8.14
	400					128	3.66	155	4.41	200	5.70
	300					129	2.77	157	3.35	203	4.34
	200					131	1.87	160	2.28	204	2.91
	100					134	0.957	163	1.16	210	1.49
	10					139	0.099	169	0.12	218	0.155
2:1	1450	12.1	0.94	42.8	3.32	102	7.90	137	10.6	180	14.0
	1150	12	0.74	43.4	2.67	104	6.39	139	8.55	183	11.3
	870	12	0.56	43.8	2.04	105	4.88	141	6.56	187	8.70
	580	11.9	0.37	44.4	1.38	108	3.34	144	4.47	191	5.92
	400	12.2	0.26	45.1	0.96	109	2.33	146	3.12	194	4.15
	300	11.9	0.19	45.5	0.73	110	1.76	148	2.37	196	3.14
	200	12.2	0.13	46.1	0.49	111	1.18	149	1.59	198	2.12
	100	11.2	0.06	46.6	0.25	114	0.608	152	0.812	202	1.08
	10	28.1	0.015	48.5	0.026	116	0.062	157	0.084	209	0.112
2.5:1	1450					96.2	5.97	113	6.99	184	11.4
	1150					97.2	4.78	115	5.64	185	9.11
	870					99.0	3.68	116	4.30	188	7.00
	580					100.0	2.48	118	2.92	192	4.76
	400					100.9	1.73	120	2.05	195	3.34
	300					102.9	1.32	121	1.55	197	2.53
	200					103.9	0.888	123	1.05	200	1.71
	100					104.9	0.448	123	0.528	203	0.867
	10					107.8	0.046	126	0.054	208	0.089
3:1	1450					93.6	4.84	105	5.42	159	8.20
	1150					94.8	3.88	106	4.34	160	6.55
	870					95.9	2.97	108	3.34	163	5.04
	580					97.6	2.02	109	2.25	166	3.42
	400					99.0	1.41	111	1.58	168	2.39
	300					100	1.07	111	1.18	169	1.80
	200					100	0.712	113	0.803	171	1.22
	100					102	0.363	115	0.409	173	0.618
	10					104	0.037	118	0.042	179	0.064
4:1	1450					80.6	3.12	93.4	3.62	124	4.80
	1150					81.5	2.50	94.3	2.90	125	3.83
	870					82.4	1.92	95.9	2.23	127	2.95
	580					84.1	1.30	96.9	1.50	129	2.00
	400					85.1	0.91	98.7	1.05	131	1.40
	300					86.1	0.69	98.3	0.79	131	1.05
	200					86.0	0.46	101	0.54	134	0.71
	100					87.7	0.23	101	0.27	135	0.36
	10					89.3	0.02	101	0.03	140	0.04
5:1	1450					52.0	1.61	57.4	1.78	68.7	2.13
	1150					52.5	1.29	58.0	1.43	69.2	1.70
	870					53.2	0.99	59.0	1.10	70.4	1.31
	580					54.2	0.67	59.6	0.74	71.7	0.89
	400					54.9	0.47	60.7	0.52	72.6	0.62
	300					55.5	0.36	60.4	0.39	72.9	0.47
	200					55.4	0.24	61.7	0.26	74.1	0.32
	100					56.5	0.12	62.9	0.13	75.1	0.16
	10					57.6	0.01	64.5	0.01	77.8	0.02

1. 横轴转速未达到10r/min时，请使用10r/min的数据。
2. ▭ 以上有灰色标识的规格定货时必须咨询，横轴输入转速超过1450r/min时，向本公司咨询。

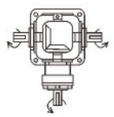
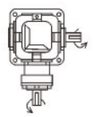
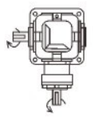
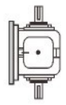
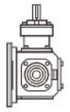
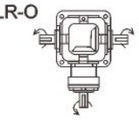
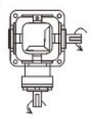
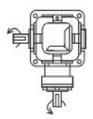
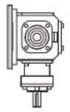
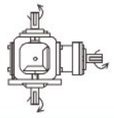
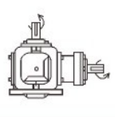
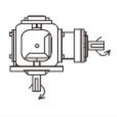
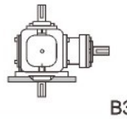
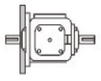
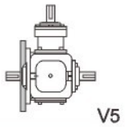
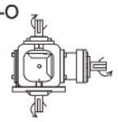
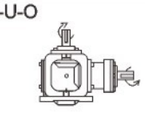
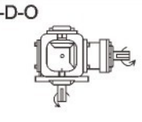
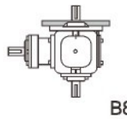
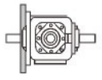
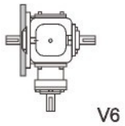
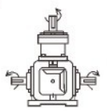
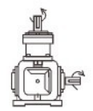
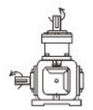
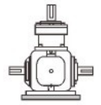
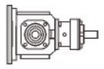
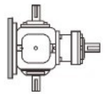
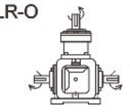
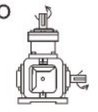
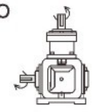
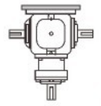
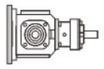
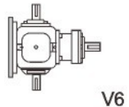
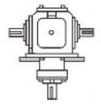
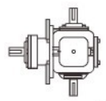
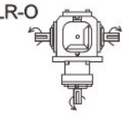
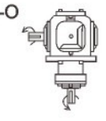
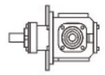
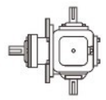
TAIGONG 泰工减速机
T系列螺旋伞齿轮转向器
T SERIES SPIRAL BEVEL GEAR STEERING DEVICE

i_N	n1 (r/min)	T10		T12		T16		T20		T25	
		M_{N2}(N · m)	P_{N1}(kw)	M_{N2}(N · m)	P_{N1}(kw)	M_{N2}(N · m)	P_{N1}(kw)	M_{N2}(N · m)	P_{N1}(kw)	M_{N2}(N · m)	P_{N1}(kw)
1 :1	1450	421	65.3	619	96.0	1019	163				
	1150	453	55.7	665	81.1	1098	139	1842	234		
	870	479	44.6	726	67.5	1186	114	2009	193	3489	335
	580	493	30.6	802	49.7	1343	85.9	2274	145	3940	252
	400	504	21.5	821	35.1	1499	66.1	2538	112	4410	195
	300	513	16.4	835	26.8	1637	54.1	2744	90.8	4792	159
	200	521	11.1	852	18.2	1784	39.3	3126	69.0	5390	119
	100	535	5.72	875	9.36	1842	20.3	3205	35.3	5439	60.0
	10	561	0.599	919	0.983	1940	2.14	3205	3.53	5713	6.30
1.5:1	1450	374	38.7	564	58.3						
	1150	380	31.2	601	49.2						
	870	389	24.1	656	40.7						
	580	396	16.4	699	28.9						
	400	406	11.6	711	20.3						
	300	411	8.78	724	15.5						
	200	417	5.95	736	10.5						
	100	426	3.04	754	5.37						
	10	443	0.316	785	0.56						
2:1	1450	305	23.6	516	40.0	921	73.7	1578	126		
	1150	309	19.0	516	31.7	938	59.5	1607	102	3146	199
	870	315	14.6	516	24.0	958	46.0	1646	79.0	3224	155
	580	322	10.0	524	16.3	980	31.3	1695	54.2	3332	107
	400	328	7.02	538	11.5	1000	22.0	1725	38.0	3420	75.4
	300	332	5.33	543	8.71	1009	16.7	1754	29.0	3479	57.5
	200	338	3.61	551	5.89	1029	11.3	1784	19.7	3557	39.2
	100	344	1.84	563	3.01	1058	5.84	1833	10.1	3646	20.1
	10	357	0.191	586	0.313	1098	0.605	1921	1.06	3822	2.11
2.5:1	1450	293	18.2	507	31.4						
	1150	298	14.7	514	25.3						
	870	302	11.2	523	19.5						
	580	310	7.68	535	13.3						
	400	315	5.38	545	9.32						
	300	317	4.06	552	7.08						
	200	321	2.75	560	4.79						
	100	326	1.40	568	2.43						
	10	336	0.144	588	0.251						
3:1	1450	270	14.0	458	23.6	904	48.2	1529	82.3	2935	158
	1150	275	11.3	464	19.0	920	38.9	1561	66.6	3045	130
	870	279	8.66	469	14.6	940	30.1	1598	51.6	3135	101
	580	285	5.89	480	9.92	960	20.4	1644	35.4	3246	69.9
	400	288	4.11	490	6.98	978	14.4	1672	24.8	3317	49.3
	300	291	3.11	495	5.29	990	10.9	1701	18.9	3372	37.6
	200	294	2.10	501	3.57	1005	7.38	1733	12.9	3449	25.6
	100	300	1.07	510	1.82	1038	3.82	1777	6.60	3537	13.1
	10	308	0.110	527	0.188	1076	0.40	1865	0.69	3713	1.4
4:1	1450	241	9.35	434	16.8	850	34.3	1452	58.7	2798	113
	1150	246	7.54	441	13.5	865	27.7	1483	47.5	2892	92.6
	870	249	5.78	448	10.4	884	21.4	1518	36.8	2978	72.2
	580	254	3.93	456	7.07	902	14.6	1562	25.2	3084	49.8
	400	257	2.74	465	4.97	919	10.2	1588	17.7	3151	35.1
	300	259	2.08	470	3.77	930	7.8	1616	13.5	3204	26.8
	200	262	1.40	476	2.54	944	5.3	1646	9.17	3276	18.2
	100	267	0.71	485	1.30	976	2.7	1688	4.70	3360	9.36
	10	275	0.07	501	0.13	1011	0.3	1772	0.49	3527	0.98
5:1	1450	136	4.21	296	9.18	814	26.3	1391	44.9	2631	85.0
	1150	138	3.39	301	7.39	828	21.2	1420	36.4	2771	71.0
	870	140	2.60	305	5.68	847	16.4	1454	28.2	2853	55.3
	580	143	1.77	311	3.86	864	11.2	1496	19.3	2954	38.2
	400	144	1.23	318	2.72	881	7.85	1521	13.6	3018	26.9
	300	146	0.93	321	2.06	891	5.96	1548	10.3	3069	20.5
	200	148	0.63	325	1.39	905	4.03	1577	7.03	3138	14.0
	100	150	0.32	331	0.71	935	2.08	1617	3.60	3218	7.17
	10	155	0.03	342	0.07	969	0.22	1697	0.38	3378	0.75

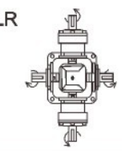
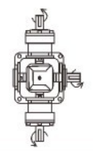
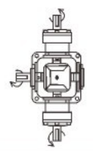
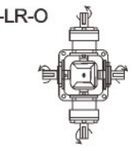
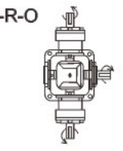
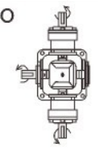
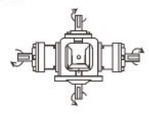
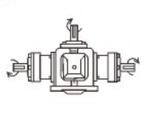
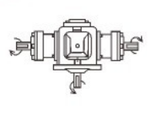
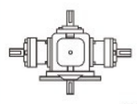
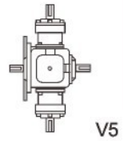
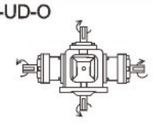
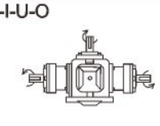
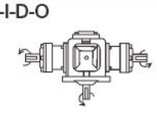
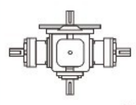
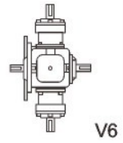
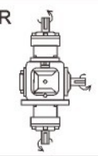
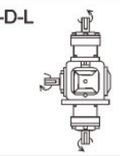
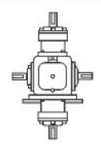
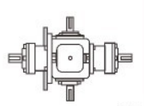
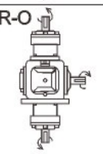
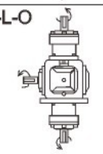
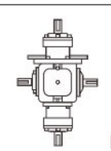
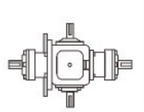
1.If speed is less than 10rpm, please choose 10rpm.
2. ▭ Please contact us, when order the model with ash sign or that input speed is more than 1450rpm.

轴配置及轴旋转方向的关系、安装方位

The relationship between shaft arrangements and direction of shaft rotation

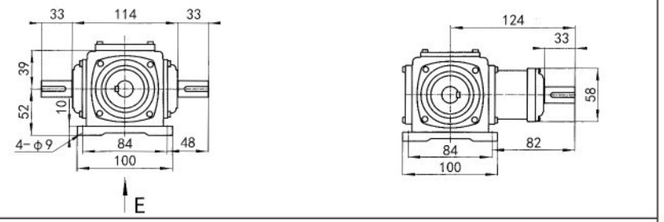
I-LR  I-R  I-L 	B3	 B6	 V5
I-LR-O  I-R-O  I-L-O 	B8	B7	 V6
I-UD  I-U  I-D 	 B3	 B6	 V5
I-UD-O  I-U-O  I-D-O 	 B8	 B7	 V6
U-LR  U-R  U-L 	 B3	 B6	 V5
U-LR-O  U-R-O  U-L-O 	 B8	 B7	 V6
D-LR D-R D-L	 B3	B6	 V5
D-LR-O  D-R-O D-L-O 	B8	 B7	 V6

TAIGONG 泰工减速机
T系列螺旋伞齿轮转向器
T SERIES SPIRAL BEVEL GEAR STEERING DEVICE

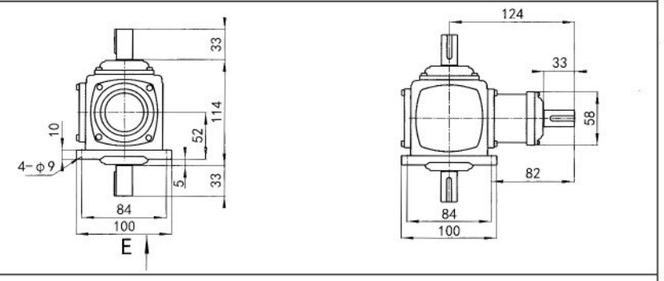
I-I-LR  I-I-R  I-I-L 	B3	B6	V5
I-I-LR-O  I-I-R-O  I-I-L-O 	B8	B7	V6
I-I-UD  I-I-U  I-I-D 	 B3	B6	 V5
I-I-UD-O  I-I-U-O  I-I-D-O 	 B8	B7	 V6
U-D-LR U-D-R  U-D-L 	 B3	B6	 V5
U-D-LR-O U-D-R-O  U-D-L-O 	 B8	B7	 V6

T2 外型安装尺寸

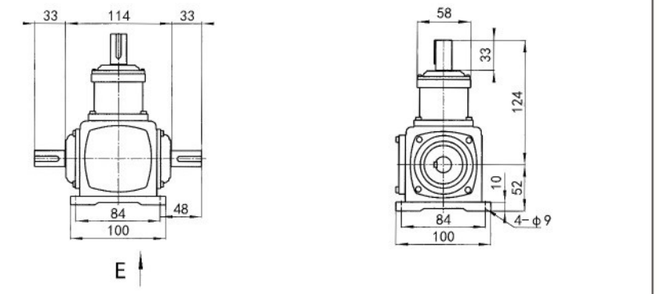
1-LR
1-L
1-R
1-LR-0
1-R-0
1-L-0



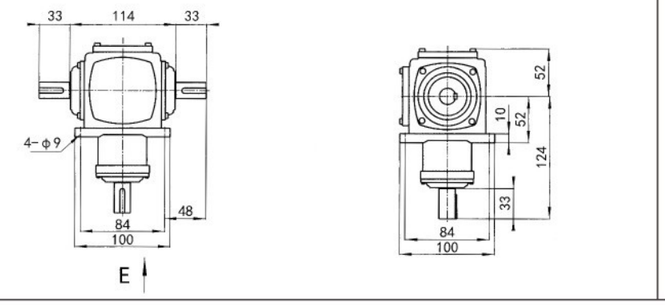
1-UD
1-U
1-D
1-UD-0
1-U-0
1-D-0



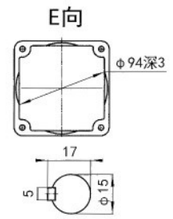
U-LR
U-R
U-L
U-LR-0
U-R-0
U-L-0



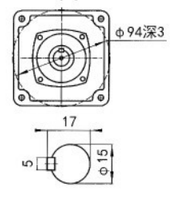
D-LR
D-R
D-L
D-LR-0
D-R-0
D-L-0



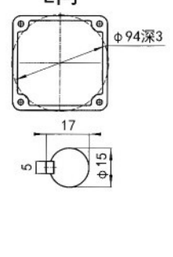
E向



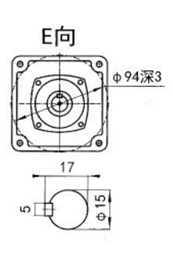
E向



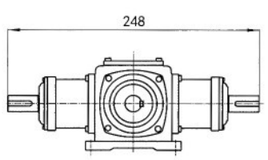
E向



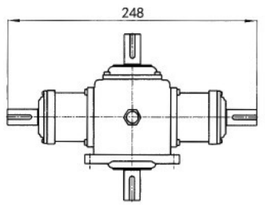
E向



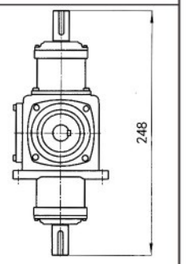
1-1-LR
1-1-L
1-1-R
1-1-LR-0
1-1-R-0
1-1-L-0



1-1-UD
1-1-U
1-1-D
1-1-UD-0
1-1-U-0
1-1-D-0



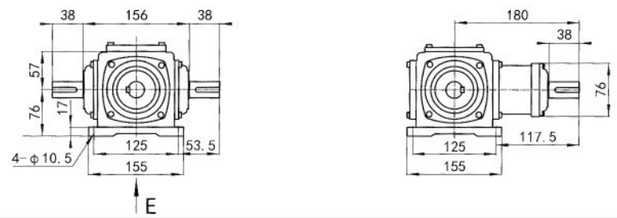
U-D-LR
U-D-R
U-D-L
U-D-LR-0
U-D-R-0
U-D-L-0



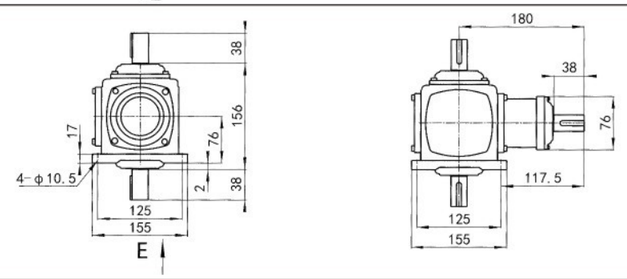
注：以上箱体均为通用件，安装尺寸均可互相参照。

T4 外型安装尺寸

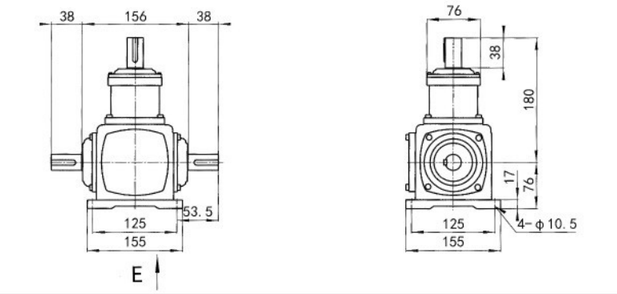
1-LR
1-L
1-R
1-LR-0
1-R-0
1-L-0



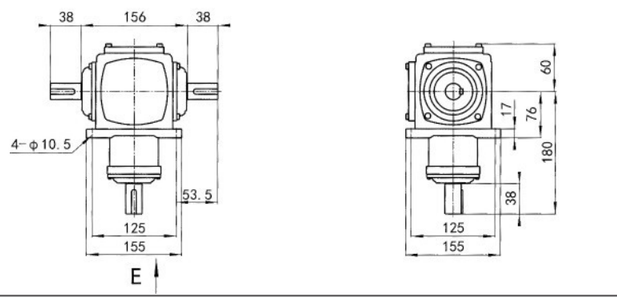
1-UD
1-U
1-D
1-UD-0
1-U-0
1-D-0



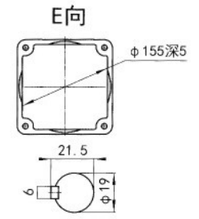
U-LR
U-R
U-L
U-LR-0
U-R-0
U-L-0



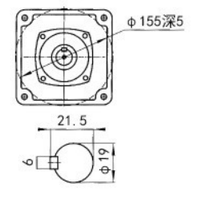
D-LR
D-R
D-L
D-LR-0
D-R-0
D-L-0



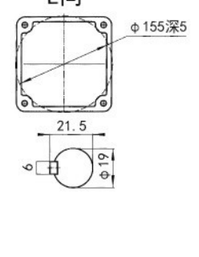
E向



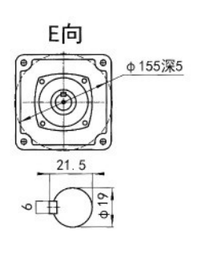
E向



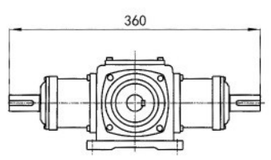
E向



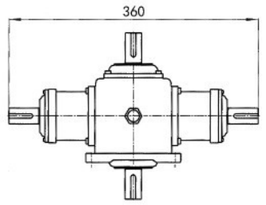
E向



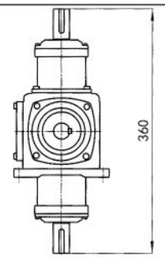
1-1-LR
1-1-L
1-1-R
1-1-LR-0
1-1-R-0
1-1-L-0



1-1-UD
1-1-U
1-1-D
1-1-UD-0
1-1-U-0
1-1-D-0



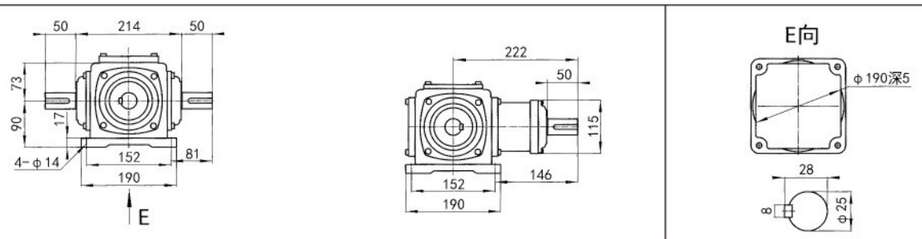
U-D-LR
U-D-R
U-D-L
U-D-LR-0
U-D-R-0
U-D-L-0



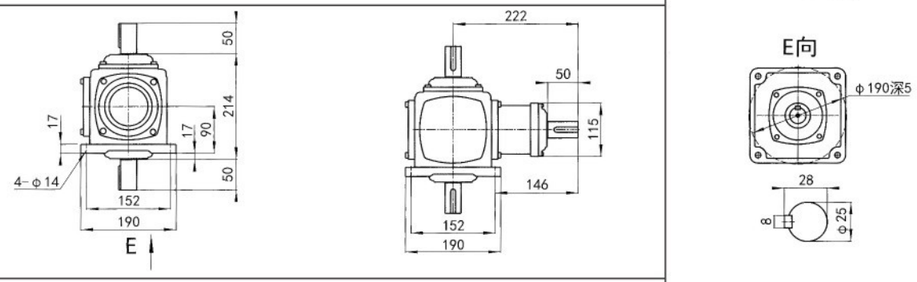
注：以上箱体均为通用件，安装尺寸均可互相参照。

T6 外型安装尺寸

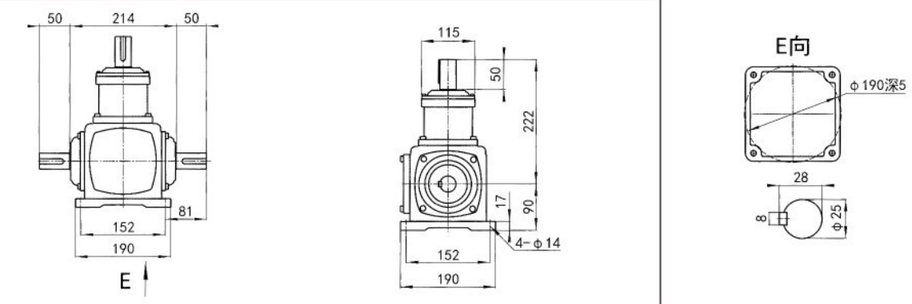
1-LR
1-L
1-R
1-LR-0
1-R-0
1-L-0



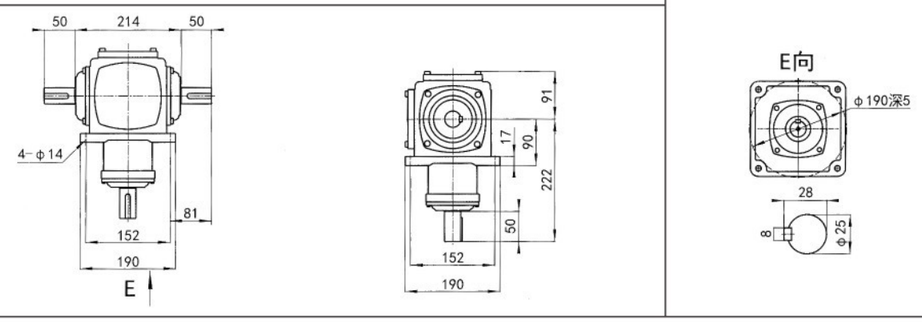
1-UD
1-U
1-D
1-UD-0
1-U-0
1-D-0



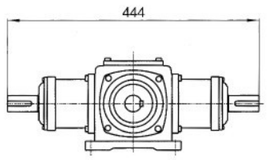
U-LR
U-R
U-L
U-LR-0
U-R-0
U-L-0



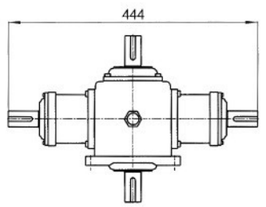
D-LR
D-R
D-L
D-LR-0
D-R-0
D-L-0



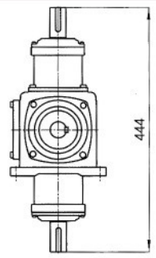
1-1-LR
1-1-L
1-1-R
1-1-LR-0
1-1-R-0
1-1-L-0



1-1-UD
1-1-U
1-1-D
1-1-UD-0
1-1-U-0
1-1-D-0



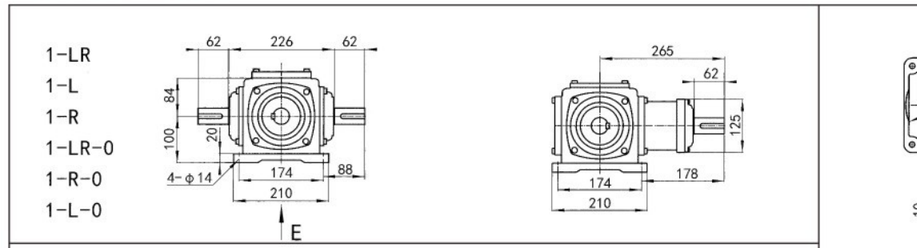
U-D-LR
U-D-R
U-D-L
U-D-LR-0
U-D-R-0
U-D-L-0



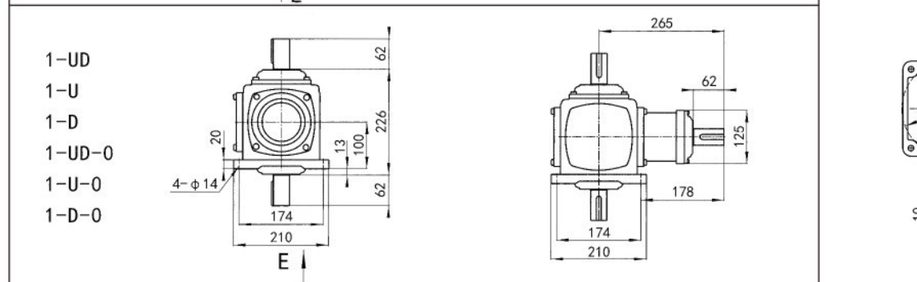
注：以上箱体均为通用件，安装尺寸均可互相参照。

T7 外型安装尺寸

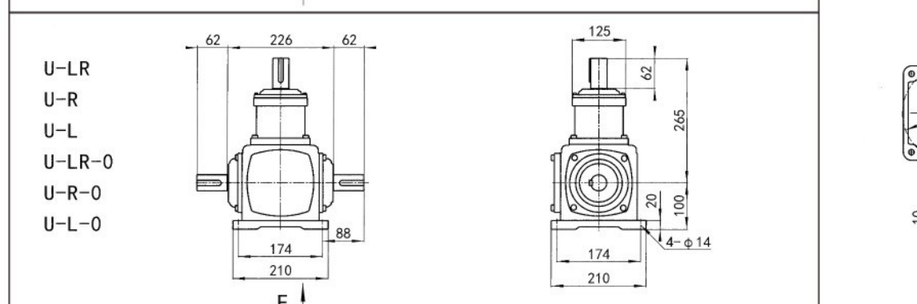
1-LR
1-L
1-R
1-LR-0
1-R-0
1-L-0



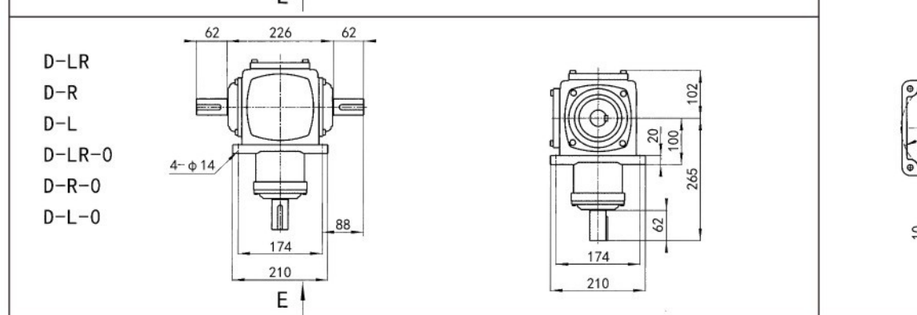
1-UD
1-U
1-D
1-UD-0
1-U-0
1-D-0



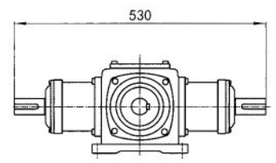
U-LR
U-R
U-L
U-LR-0
U-R-0
U-L-0



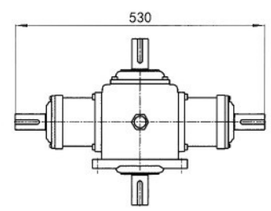
D-LR
D-R
D-L
D-LR-0
D-R-0
D-L-0



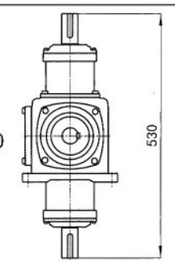
1-1-LR
1-1-L
1-1-R
1-1-LR-0
1-1-R-0
1-1-L-0



1-1-UD
1-1-U
1-1-D
1-1-UD-0
1-1-U-0
1-1-D-0



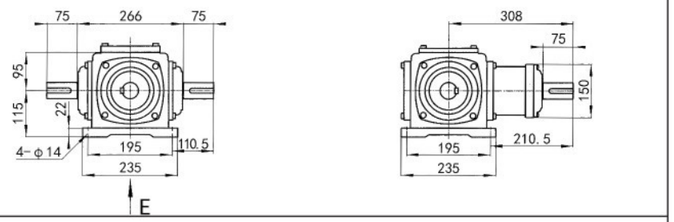
U-D-LR
U-D-R
U-D-L
U-D-LR-0
U-D-R-0
U-D-L-0



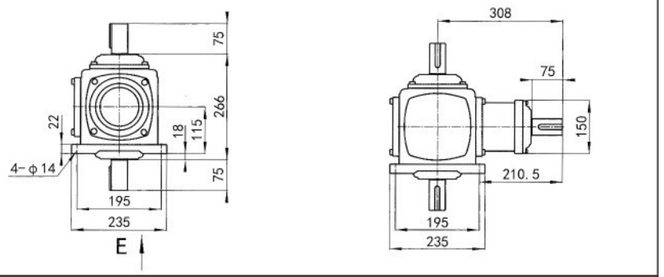
注：以上箱体均为通用件，安装尺寸均可互相参照。

T8 外型安装尺寸

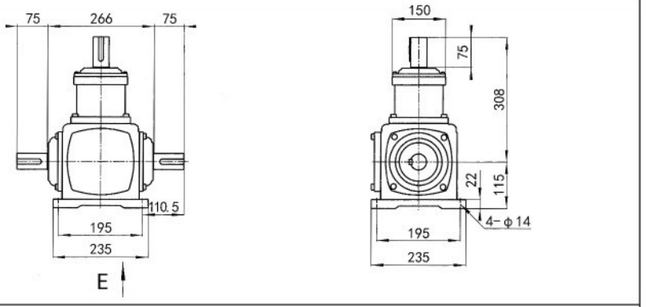
1-LR
1-L
1-R
1-LR-0
1-R-0
1-L-0



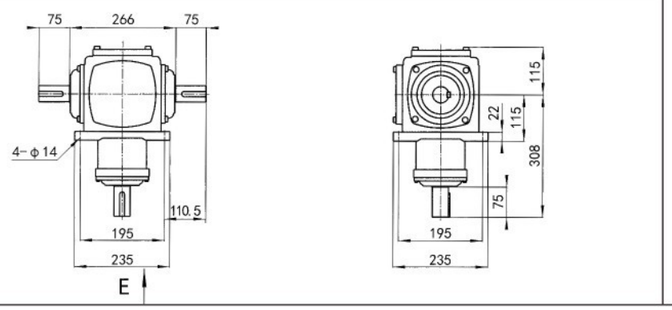
1-UD
1-U
1-D
1-UD-0
1-U-0
1-D-0



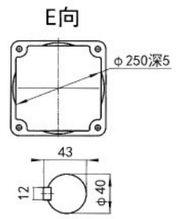
U-LR
U-R
U-L
U-LR-0
U-R-0
U-L-0



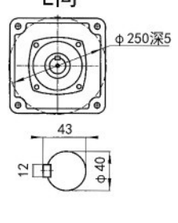
D-LR
D-R
D-L
D-LR-0
D-R-0
D-L-0



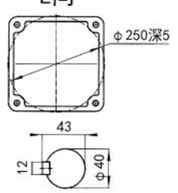
E向



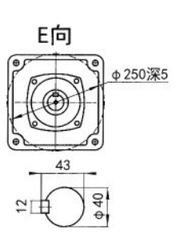
E向



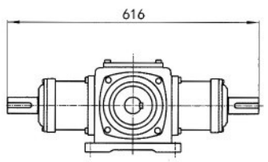
E向



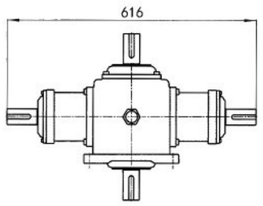
E向



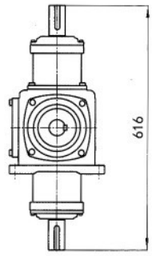
1-1-LR
1-1-L
1-1-R
1-1-LR-0
1-1-R-0
1-1-L-0



1-1-UD
1-1-U
1-1-D
1-1-UD-0
1-1-U-0
1-1-D-0



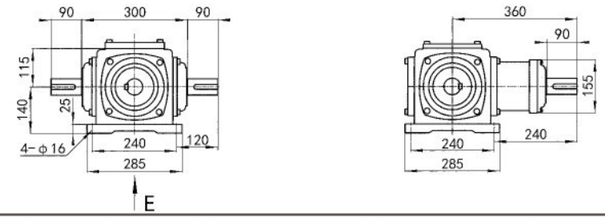
U-D-LR
U-D-R
U-D-L
U-D-LR-0
U-D-R-0
U-D-L-0



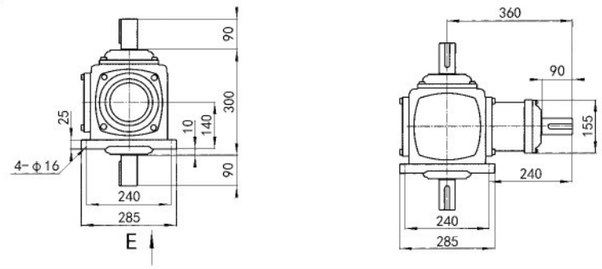
注：以上箱体均为通用件，安装尺寸均可互相参照。

T10 外型安装尺寸

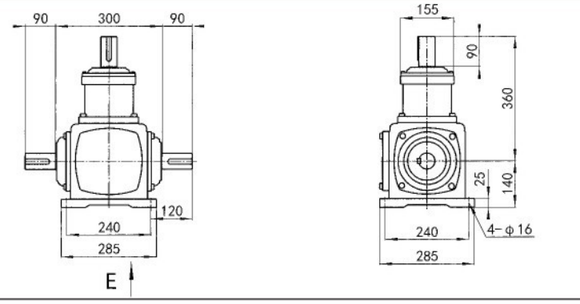
1-LR
1-L
1-R
1-LR-0
1-R-0
1-L-0



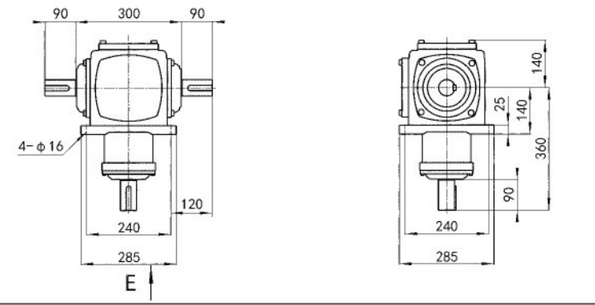
1-UD
1-U
1-D
1-UD-0
1-U-0
1-D-0



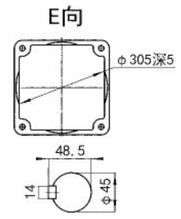
U-LR
U-R
U-L
U-LR-0
U-R-0
U-L-0



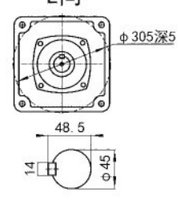
D-LR
D-R
D-L
D-LR-0
D-R-0
D-L-0



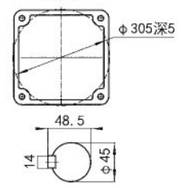
E向



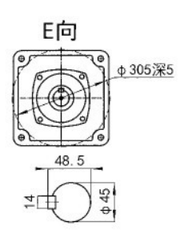
E向



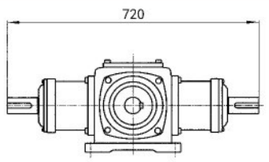
E向



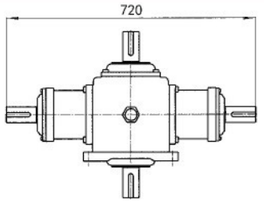
E向



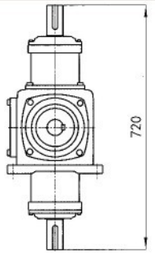
1-1-LR
1-1-L
1-1-R
1-1-LR-0
1-1-R-0
1-1-L-0



1-1-UD
1-1-U
1-1-D
1-1-UD-0
1-1-U-0
1-1-D-0



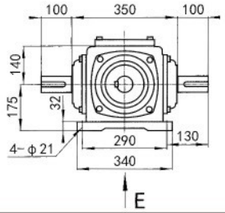
U-D-LR
U-D-R
U-D-L
U-D-LR-0
U-D-R-0
U-D-L-0

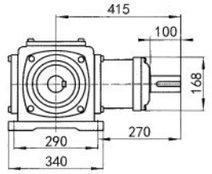


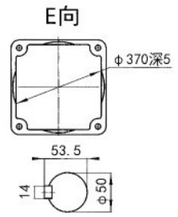
注：以上箱体均为通用件，安装尺寸均可互相参照。

T12 外型安装尺寸

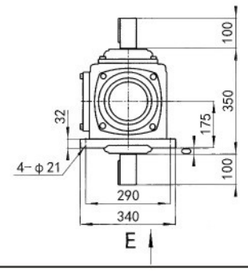
1-LR
1-L
1-R
1-LR-0
1-R-0
1-L-0

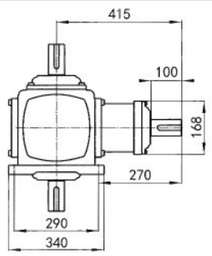


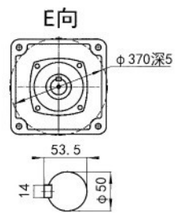




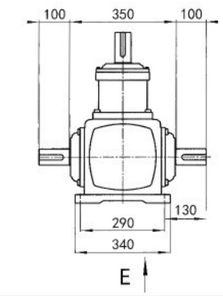
1-UD
1-U
1-D
1-UD-0
1-U-0
1-D-0

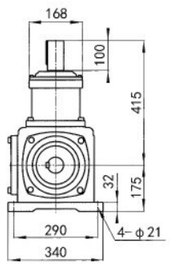


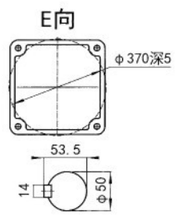




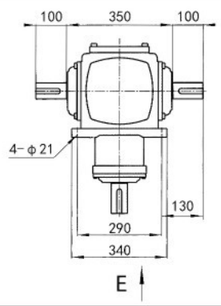
U-LR
U-R
U-L
U-LR-0
U-R-0
U-L-0

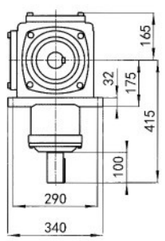


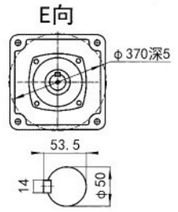




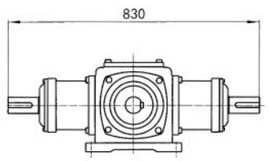
D-LR
D-R
D-L
D-LR-0
D-R-0
D-L-0



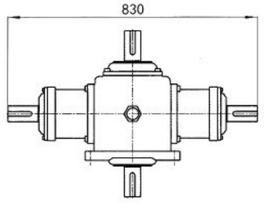




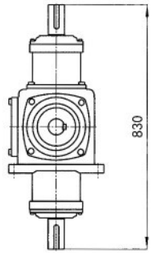
1-1-LR
1-1-L
1-1-R
1-1-LR-0
1-1-R-0
1-1-L-0



1-1-UD
1-1-U
1-1-D
1-1-UD-0
1-1-U-0
1-1-D-0



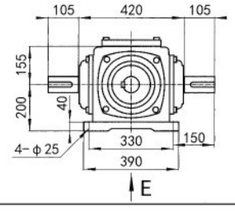
U-D-LR
U-D-R
U-D-L
U-D-LR-0
U-D-R-0
U-D-L-0

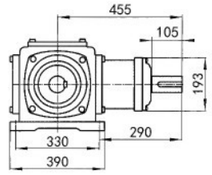


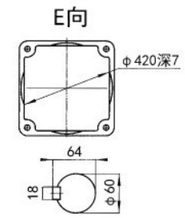
注：以上箱体均为通用件，安装尺寸均可互相参照。

T16 外型安装尺寸

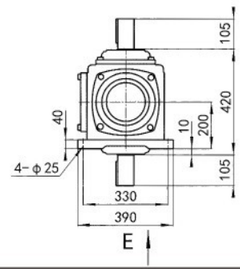
1-LR
1-L
1-R
1-LR-0
1-R-0
1-L-0

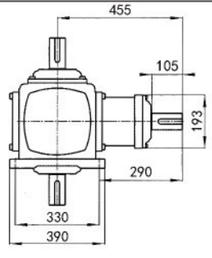


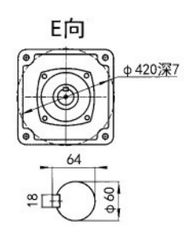




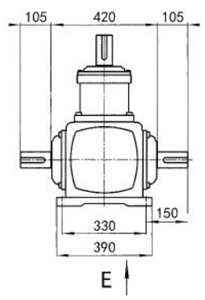
1-UD
1-U
1-D
1-UD-0
1-U-0
1-D-0

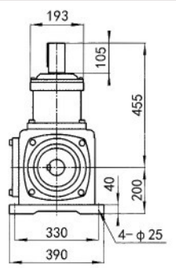


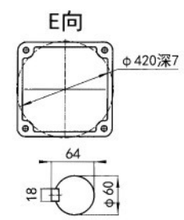




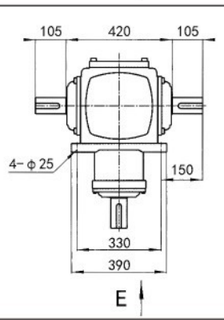
U-LR
U-R
U-L
U-LR-0
U-R-0
U-L-0

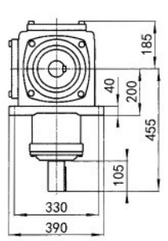


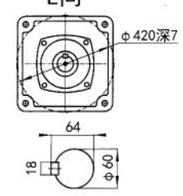




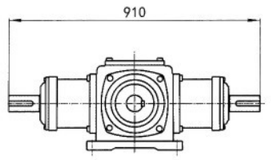
D-LR
D-R
D-L
D-LR-0
D-R-0
D-L-0



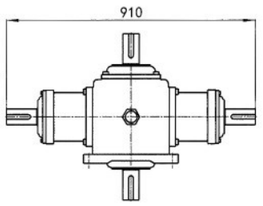




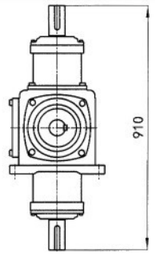
1-1-LR
1-1-L
1-1-R
1-1-LR-0
1-1-R-0
1-1-L-0



1-1-UD
1-1-U
1-1-D
1-1-UD-0
1-1-U-0
1-1-D-0



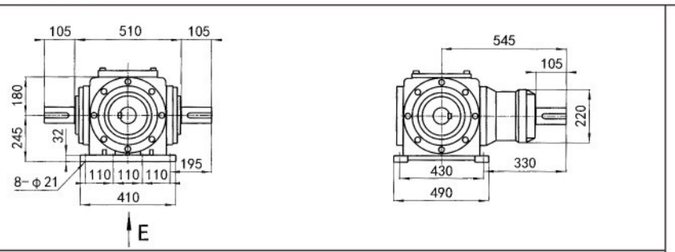
U-D-LR
U-D-R
U-D-L
U-D-LR-0
U-D-R-0
U-D-L-0



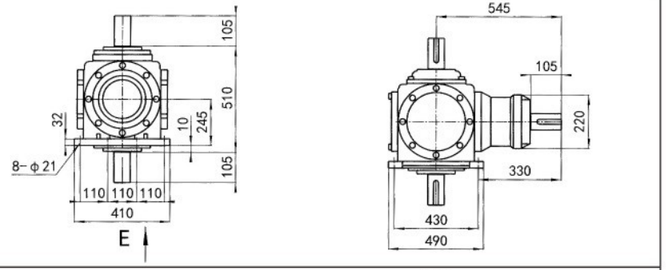
注：以上箱体均为通用件，安装尺寸均可互相参照。

T20 外型安装尺寸

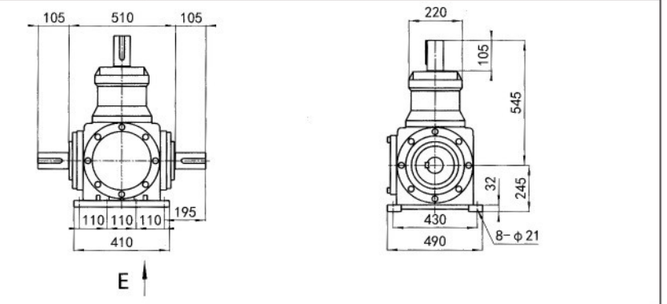
1-LR
1-L
1-R
1-LR-0
1-R-0
1-L-0



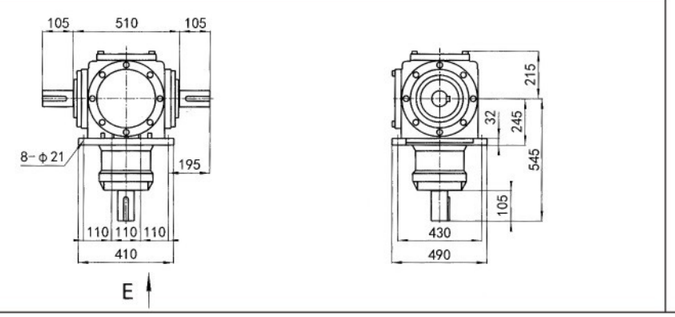
1-UD
1-U
1-D
1-UD-0
1-U-0
1-D-0



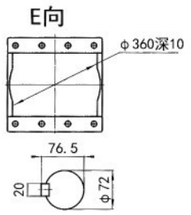
U-LR
U-R
U-L
U-LR-0
U-R-0
U-L-0



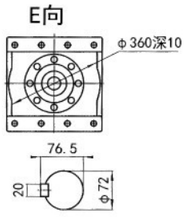
D-LR
D-R
D-L
D-LR-0
D-R-0
D-L-0



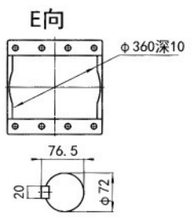
E向



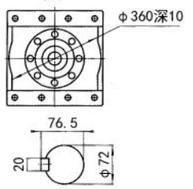
E向



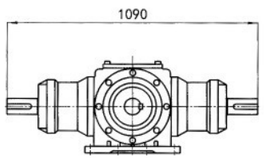
E向



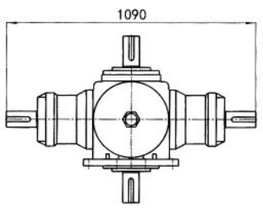
E向



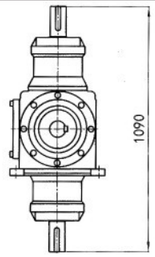
1-1-LR
1-1-L
1-1-R
1-1-LR-0
1-1-R-0
1-1-L-0



1-1-UD
1-1-U
1-1-D
1-1-UD-0
1-1-U-0
1-1-D-0



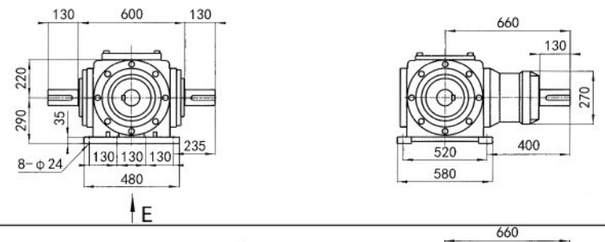
U-D-LR
U-D-R
U-D-L
U-D-LR-0
U-D-R-0
U-D-L-0



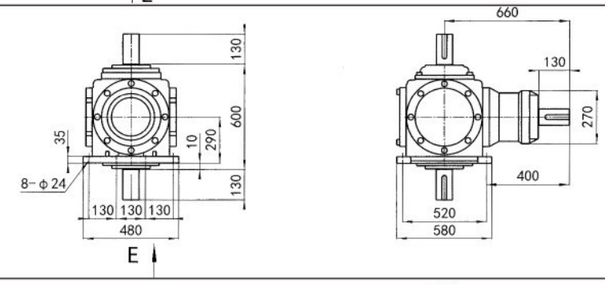
注：以上箱体均为通用件，安装尺寸均可互相参照。

T25 外型安装尺寸

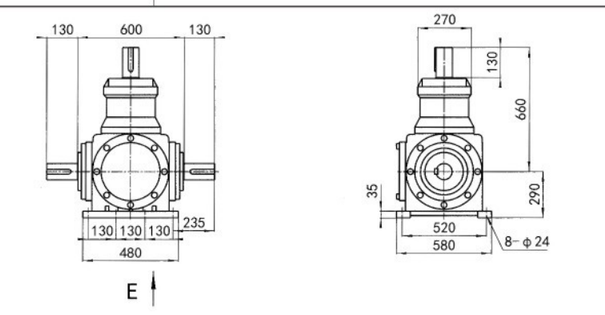
1-LR
1-L
1-R
1-LR-0
1-R-0
1-L-0



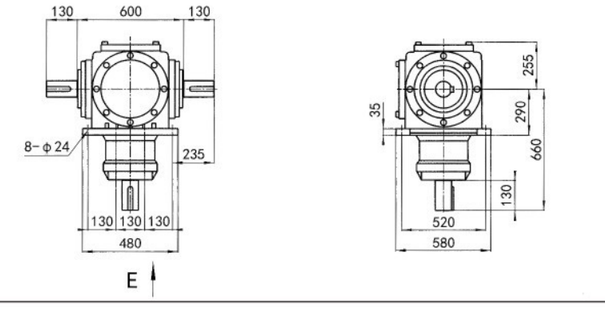
1-UD
1-U
1-D
1-UD-0
1-U-0
1-D-0



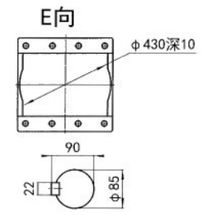
U-LR
U-R
U-L
U-LR-0
U-R-0
U-L-0



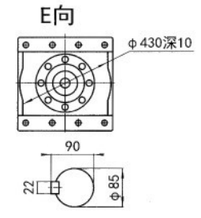
D-LR
D-R
D-L
D-LR-0
D-R-0
D-L-0



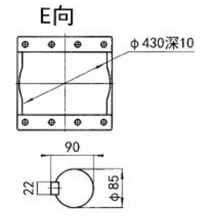
E向



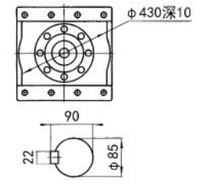
E向



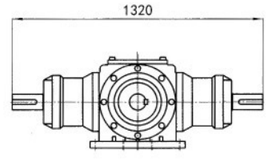
E向



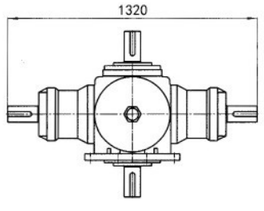
E向



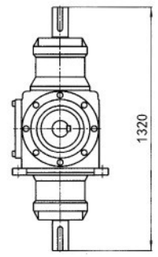
1-1-LR
1-1-L
1-1-R
1-1-LR-0
1-1-R-0
1-1-L-0



1-1-UD
1-1-U
1-1-D
1-1-UD-0
1-1-U-0
1-1-D-0



U-D-LR
U-D-R
U-D-L
U-D-LR-0
U-D-R-0
U-D-L-0



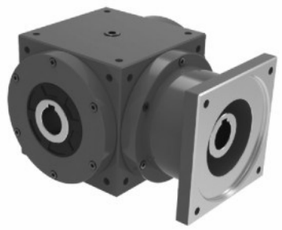
注：以上箱体均为通用件，安装尺寸均可互相参照。

09

TAIGONG 泰工减速机

HD SERIES SPIRAL BEVEL GEAR UNIT

HD系列螺旋锥齿换向传动器



15年生产经验 10万+企业共同的选择

一、产品介绍

螺旋锥齿换向传动器和换向减速器，其结构特点如下：

1、箱体形状为正六面体，能适应不同方位的安装。

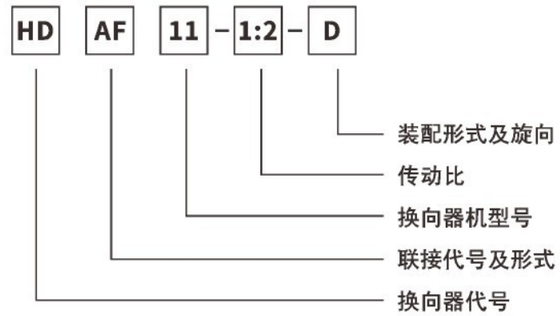
2、换向器设计使用寿命长，承载能力大，传动平稳，噪音低齿轮线速度可高达40米/秒，传动效率高达94%～98%。

3、弧齿圆锥齿轮采用优质低碳合金结构钢，经渗碳淬火热处理，并经研磨跑合，实现精度较高的硬齿面闭式传动。

4、HD系列换向器共有七种规格，选型范围大，输出轴形式多样，可满足多种场合的需要。

5、可实现减速和增速两种传动方式。

二、型号表示法



联接代号及形式

HD 输入、输出轴伸式联接	HAD 输入轴伸、输出轴装式联接
HDF 带输入法兰、输出轴伸式联接	HDAF 带输入法兰、输出轴装式联接

三、 传动比计算

传动比 $i=\frac{\text{输入转速}n1}{\text{输出转速}n2}$　　当i大于1时为减速，i小于1时为增速

四、 型号的选择

1. 选型计算公式：(1) $P_{1N}=P1\times f$（每小时起停次数不大于20次/小时）
(2) $P_{1N}=1.2\times P1\times f$（每小时起停次数21-60次/小时）
(3) $P_{1N}\leqslant PN$

造型功率必须小于或等于许用功率
式中：P_{1N}为选型功率，P1为实际需要的功率，f为使用系数，PN为许用功率。

2. 使用系数f

原动机	每天工作时间（小时）	承载类型		
		均匀负载	中等冲击负载	重冲击负载
电动机 汽轮机 液压马达	3	0.8	1	1.5
	3～10	1	1.25	1.25
	10～24	1.25	1.5	2
内燃机	3	1.25	1.5	2
	3～10	1.5	1.75	2.25
	10～24	1.25	2	2.5

五、热功率校核

1. 热功率计算：$P_{GN}=P_G\times f_1\times f_2$
$P_{GN}>P_1$（自然冷却）
$P_{GN}<P_1$（风扇或油冷却）

式中：f_1为环境温度系数，f_2为连续工作系数，P_G为换向器热容量，P_1为工作实际需要功率，P_{GN}为换向器计算热容量。

2. 环境温度系数f_1

环境温度°C	10	20	30	40	50
系数f_1	1.2	1	0.87	0.75	0.64

3. 连续工作系数f_2

每小时工作率%	100	80	60	40	20
f_2	1	1.2	1.4	1.6	1.8

六、热容量P_G（自然冷却）

KW

传动比 i	箱体型号						
	09	11	14	17	21	24	28
1～5	4.5	6.5	11	15.5	24	31	44

七、通用技术规范

1. 键和键槽尺寸符合GB1095-79、GB1096-79的规定，键槽宽度公差；轴N9，轮毂JS9。
2. 输出输入轴中心孔均带螺孔，规格如下：

D=11-13mm	螺孔 M3	D＞24-30mm	螺孔 M10
＞13-16mm	螺孔 M5	＞30-38mm	螺孔 M12
＞16-21mm	螺孔 M6	＞38-50mm	螺孔 M16
＞21-24mm	螺孔 M8	＞50-85mm	螺孔 M20

TAIGONG 泰工减速机
HD系列螺旋锥齿换向传动器
HD SERIES SPIRAL BEVEL GEAR UNIT

3. 在外形安装尺寸图中，输入轴、输出轴，在转速和扭矩允许的情况下，可将输出轴作为输入轴实现增速传动。

八、 选型举例

例：搅拌器驱动用螺旋锥齿轮换向器
搅拌器实际需要功率P_1=28KW；电机功率P_2=30KW，电机转速n_1=2000r/min，传动比i=2，换向器装配形式为D，每天工作8小时，每小时连续工作时间为 60%，每小时起停6次，环境温度为30℃。

选型：搅拌器原动机为电动机，中等冲击负载，每天工作8小时，按使用系数表：
f=1.25
选型功率：$P_{IN}=P1Xf=28x1.25=35kw$(每小时起停6次)
按许用功率：选箱体型号为21，P_N=52.4KW>35kw
热功率校核：箱体21,按热容量表 P_G=24KW
按环境温度系数表： f_1=0.87
按连续工作系数表： f_2=1.4
P_{GN}=24X0.87X1.4=29.2KW>28KW
自然冷却即可
选的型号为：HD21-2D

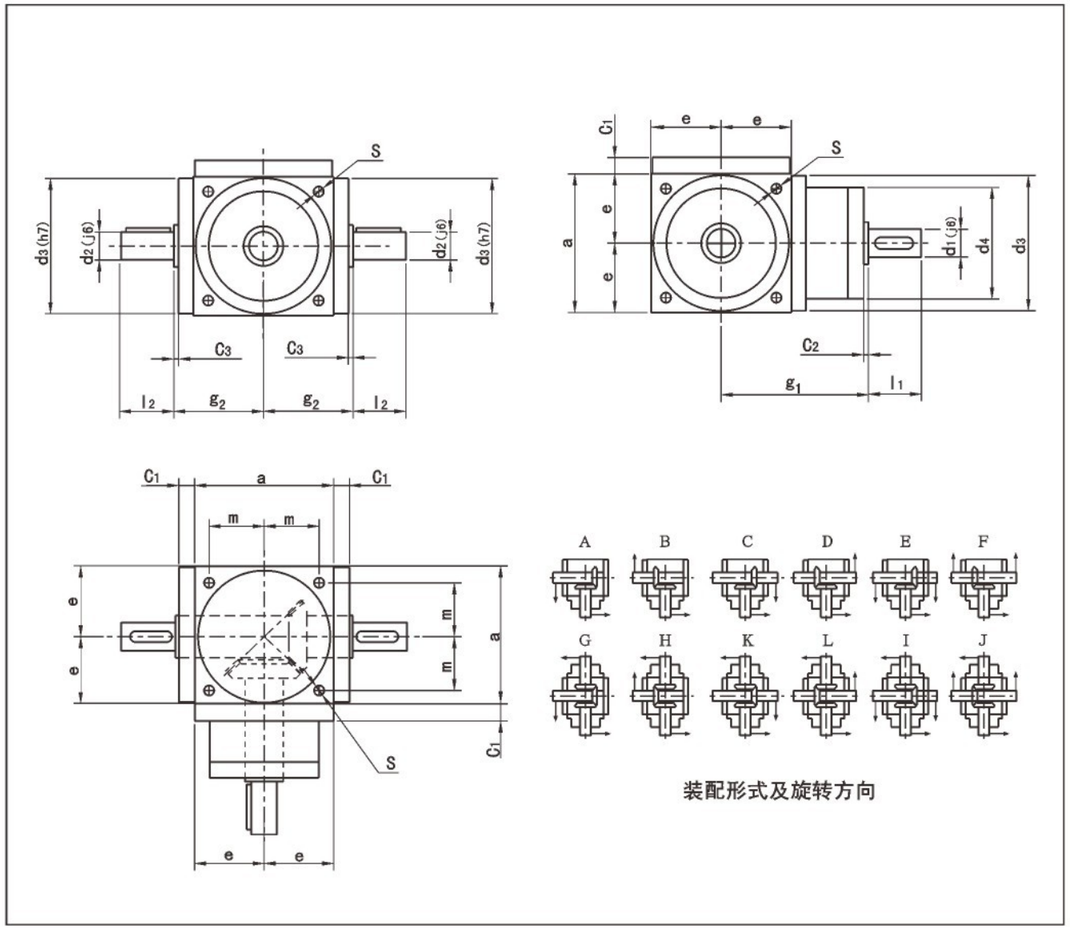
九、传动比、输入输出转速及许用输入功率

传动比i	输入转速n_1 r/min	输出转速n_2 r/min	箱体型号						
			09	11	14	17	21	24	28
			许用输入功率P_N（KW）						
1	2000	2000	7.55	13.8	29.9	49.2	84	111	188
	1500	1500	6	11	23.9	39.3	67.5	90.5	156
	1000	1000	4.3	7.85	17.2	28.8	50.5	68	115
	750	750	3.4	6.15	13.4	22.8	40.8	54.5	94.2
1.5	2000	1333	5.45	9.7	16.8	33.9	70	92.5	124
	1500	1000	4.3	7.75	13.5	27.2	56.5	75.5	103
	1000	667	3.05	5.45	9.7	19.6	41.2	55.5	75.5
	750	500	2.3	4.25	7.6	15.5	33	44.5	60.5
2	2000	1000	4.2	7.95	14.1	26.2	52.4	71.5	107
	1500	750	3.35	6.3	11.1	20.8	43.2	58.5	88
	1000	500	2.35	4.45	7.85	14.9	31.4	41.9	64.5
	750	375	1.8	3.45	6.2	11.6	25.2	33.8	51
3	2000	667	2.85	5.6	10.1	18.2	34.9	52.4	73
	1500	500	2.2	4.45	7.95	14.4	27.7	41.9	58.5
	1000	333	1.5	3.1	5.6	10.1	20	30.2	42.4
	750	250	1.2	2.4	4.4	7.8	15.7	23.6	33.5
4	2000	500	2.15	3.75	6.8	10.5	23.3	37.7	47.6
	1500	375	1.65	2.9	5.3	8.4	18.5	30.2	38.5
	1000	250	1.15	2	3.75	5.9	13.4	21.7	27.5
	750	188	0.87	1.55	2.95	4.55	10.4	17.1	21.7
5	2000	400	1.4	2.95	5.05	8.05	15.9	28.9	39.4
	1500	300	1.1	2.35	3.95	6.45	12.7	23.4	31.4
	1000	200	0.75	1.6	2.75	4.5	9	16.4	22.4
	750	150	0.58	1.25	2.1	3.45	6.95	13	17.7

注：1. 本表的许用功率数值为减速是适用，当要求增速时，许用功率数值应乘传动比。
2. 输入输出轴超出表中范围时，请与我们联系。

HD09-HD28（i=1~5）输入输出轴伸式联接

HD外型安装尺寸

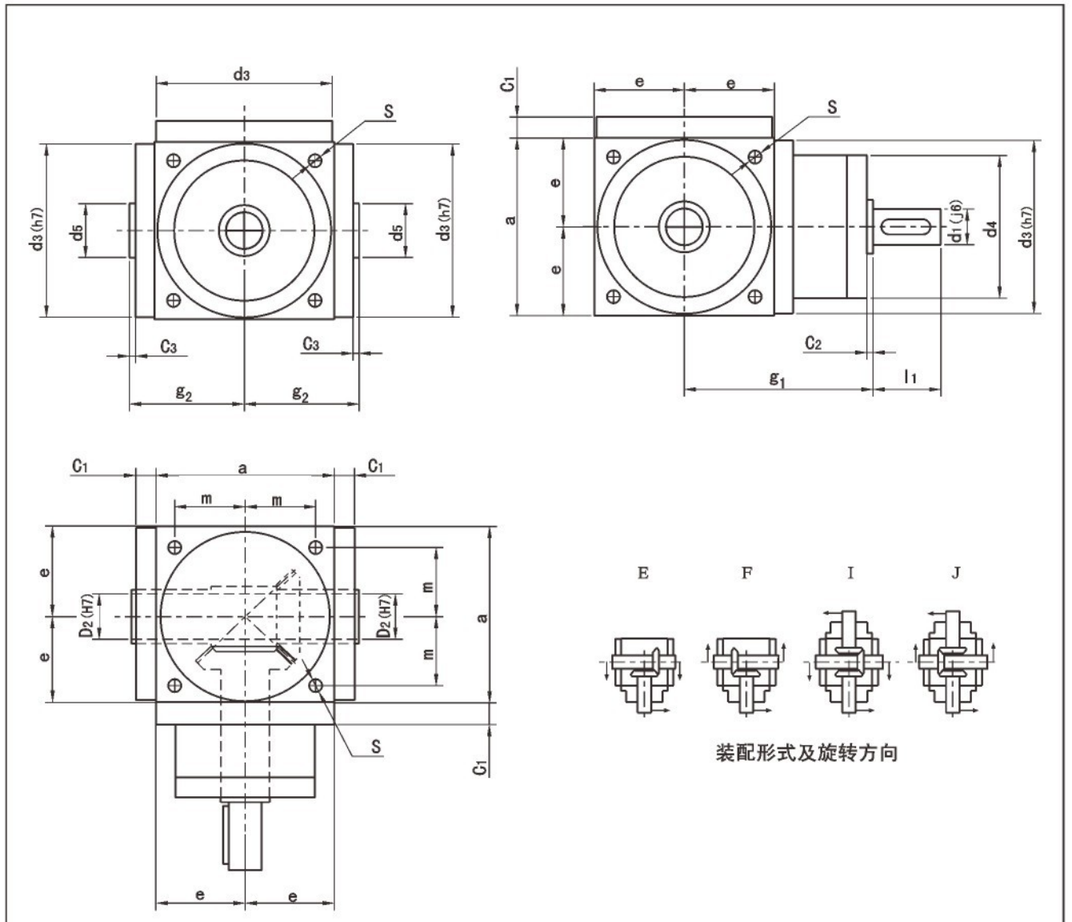


装配形式及旋转方向

型号	a	C1	C2	C3	d2	l2	d3	e	g1	g2	m	S	i=1~2		i=3		i=4		i=5		i=1~3	i=4~5	重量	加油
													d1	l1	d1	l1	d1	l1	d1	l1	d4	d4	Kg	L
09	90	12	2	2	18	35	88	45	97	59	36	M6	18	35	16	30	11	23	11	23	72	62	6	0.2
11	110	12	2	2	22	40	108	55	112	69	44	M8	22	40	20	35	16	30	14	25	81	72	10	0.3
14	140	12	2	2	32	50	135	70	132	84	55	M10	32	50	26	45	20	35	16	30	98	81	20	0.4
17	170	15	2	3	40	60	165	85	158	103	67	M12	40	60	32	50	26	45	22	40	118	98	32	1
21	210	18	2	2	45	70	205	105	195	125	85	M16	45	70	38	55	32	50	30	50	128	110	60	2
24	240	18	2	2	55	85	235	120	220	140	95	M16	55	85	45	70	38	55	35	55	138	120	75	2.5
28	280	18	2	2	60	110	275	140	255	160	110	M16	60	110	50	80	45	70	42	70	150	135	115	3

HDA09-HDA28 输入轴伸，输出轴装式联接

HD外型安装尺寸

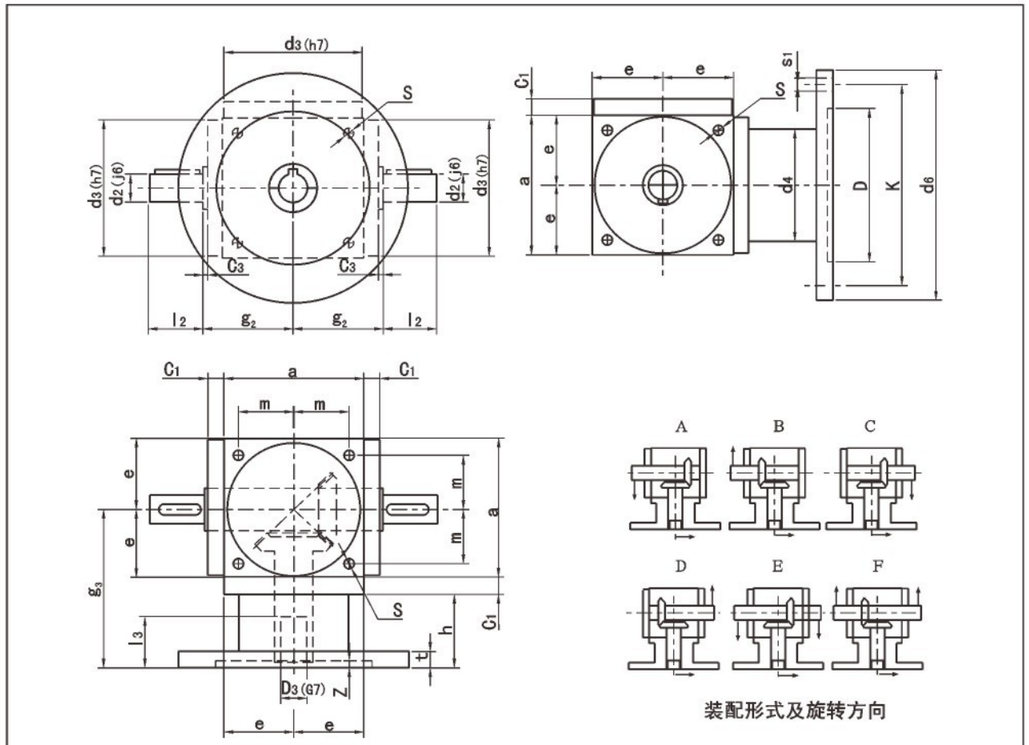


装配形式及旋转方向

型号	a	C1	C2	C3	D2	d5	d3	e	g1	g2	m	S	i=1~2		i=3		i=4		i=5		i=1~3	i=4~5	重量	加油
													d1	l1	d1	l1	d1	l1	d1	l1	d4	d4	Kg	L
09	90	12	2	2	16	25	88	45	97	59	36	M6	18	35	16	30	11	23	11	23	72	62	6	0.2
11	110	12	2	2	22	35	108	55	112	69	44	M8	22	40	20	35	16	30	14	25	81	72	10	0.3
14	140	12	2	2	28	45	135	70	132	84	55	M10	32	50	26	45	20	35	16	30	98	81	20	0.4
17	170	15	2	3	38	55	165	85	158	103	67	M12	40	60	32	50	26	45	22	40	118	98	32	1
21	210	18	2	2	45	65	205	105	195	125	85	M16	45	70	38	55	32	50	30	50	128	110	60	2
24	240	18	2	2	55	75	235	120	220	140	95	M16	55	85	45	70	38	55	35	55	138	120	75	2.5
28	280	18	2	2	60	85	275	140	255	160	110	M16	60	110	50	80	45	70	42	70	150	135	115	3

HDF09-HDF28 带输入法兰,输出轴伸式联接

HD外型安装尺寸



装配形式及旋转方向

型号	a	C1	C3	d3	d4	d2	l2	i=1~2 D3×l3				i=3~5 D3×l3			
09	90	12	2	88	86	18	35	19X43	14X33	11X26	9X23	19X43	14X33	11X26	9X23
11	110	12	2	108	82	22	40	24X53	19X43	14X33	11X26	24X53	19X43	14X33	11X26
14	140	12	2	135	104	32	50	38X83	28X63	24X53	19X43	38X83	28X63	24X53	19X43
17	170	15	3	165	128	40	60	42X115	38X83	28X63	24X53	42X115	38X83	28X63	24X53
21	210	18	2	205	160	45	70	48X115	42X115	38X83	28X63	48X115	42X115	38X83	28X63
24	240	18	2	235	170	55	85	55X115	48X115	42X115	38X83	55X115	48X115	42X115	38X83
28	280	18	2	275	190	60	110	60X145	55X115	48X115	42X115	60X145	55X115	48X115	42X115

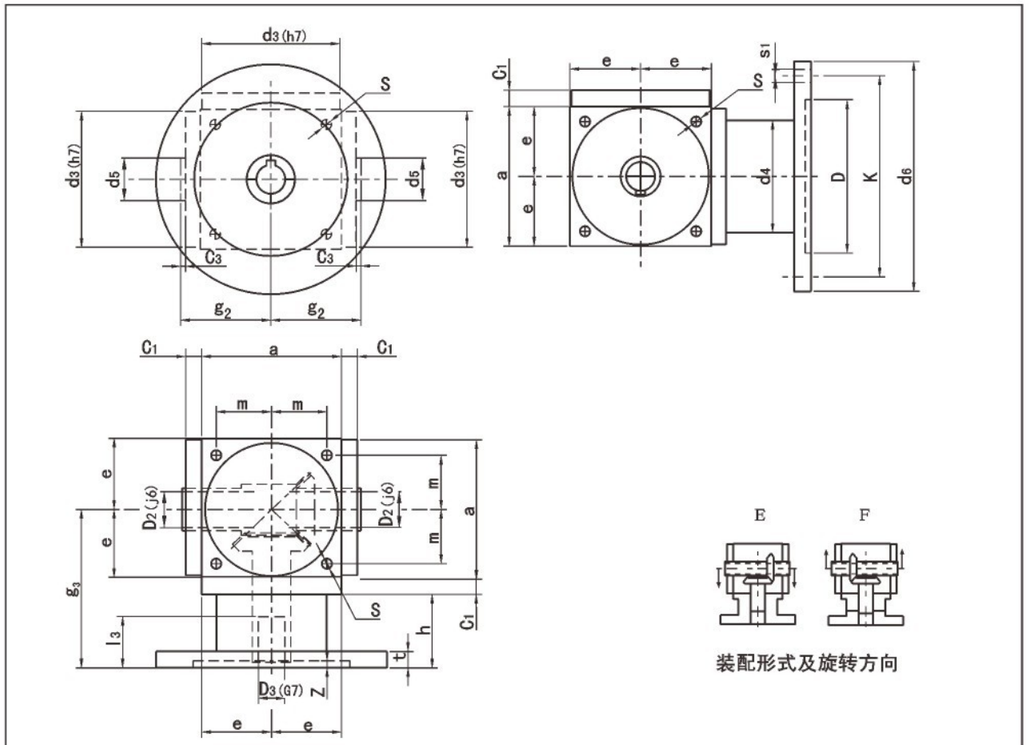
型号	e	g2	g3	h	m	S	i=1~2 d6				i=3~5 d6			
09	45	59	110	65	36	M6	200	160	140	120	200	160	140	120
11	55	69	130	75	44	M8	200	160	140	120	200	160	140	120
14	70	84	170	100	55	M10	300	250	200	160	300	250	200	160
17	85	103	215	130	67	M12	350	300	250	200	350	300	250	200
21	105	125	245	140	85	M16	350	300	250	—	350	300	250	200
24	120	140	265	145	95	M16	400	350	300	250	400	350	300	250
28	140	160	315	175	110	M16	450	400	350	300	400	350	300	

d6	D	K	S1	t	Z
120	80	100	4XM6	11	3.5
140	95	115	4XM8	11	3.5
160	110	130	4XM8	11	4
200	130	165	4XM10	14	4
250	180	215	4XM12	16	4.5
300	230	265	4XM12	16	4.5
350	250	300	4XM16	20	6
400	300	350	4XM16	20	6
450	350	400	4XM16	25	6

TAIGONG 泰工减速机
HD系列螺旋锥齿换向传动器
HD SERIES SPIRAL BEVEL GEAR UNIT

HDAF09-HDAF28 带输入法兰,输出轴装式联接

HD外型安装尺寸



装配形式及旋转方向

型号	a	C1	C3	d3	d4	D2	d5	i=1~2 D3×l3				i=3~5 D3×l3			
09	90	12	2	88	86	18	25	19X43	14X33	11X26	9X23	19X43	14X33	11X26	9X23
11	110	12	2	108	82	22	35	24X53	19X43	14X33	11X26	24X53	19X43	14X33	11X26
14	140	12	2	135	104	32	45	38X83	28X63	24X53	19X43	28X63	24X53	19X43	19X43
17	170	15	3	165	128	40	55	42X115	38X83	28X63	24X53	38X83	28X63	24X53	24X53
21	210	18	2	205	160	45	65	48X115	42X115	38X83	28X63	42X115	38X83	28X63	28X63
24	240	18	2	235	170	55	75	55X115	48X115	42X115	38X83	48X115	42X115	38X83	38X83
28	280	18	2	275	190	60	85	60X145	55X115	48X115	42X115	55X115	48X115	42X115	42X115

型号	e	g2	g3	h	m	S	i=1~2 d6				i=3~5 d6			
09	45	59	110	65	36	M6	200	160	140	120	200	160	140	120
11	55	69	130	75	44	M8	200	160	140	120	200	160	140	120
14	70	84	170	100	55	M10	300	250	200	160	300	250	200	160
17	85	103	215	130	67	M12	350	300	250	200	350	300	250	200
21	105	125	245	140	85	M16	350	300	250	—	350	300	250	200
24	120	140	265	145	95	M16	400	350	300	250	400	350	300	250
28	140	160	315	175	110	M16	450	400	350	300	400	350	300	

d6	D	K	S1	t	Z
120	80	100	4XM6	11	3.5
140	95	115	4XM8	11	3.5
160	110	130	4XM8	11	4
200	130	165	4XM10	14	4
250	180	215	4XM12	16	4.5
300	230	265	4XM12	16	4.5
350	250	300	4XM16	20	6
400	300	350	4XM16	20	6
450	350	400	4XM16	25	6

10

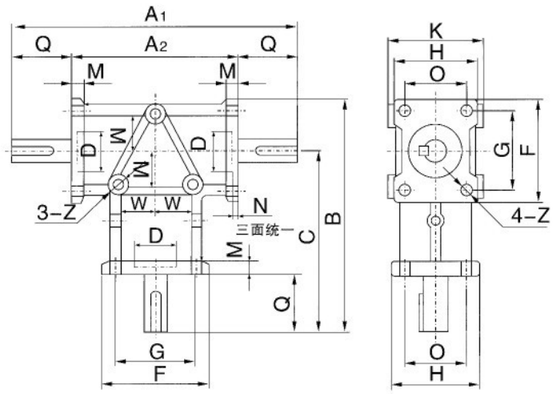
TAIGONG 泰工减速机

ARA SERIES SPIRAL BEVEL GEAR STEERING BOX

ARA系列螺旋锥齿轮转向箱

15年生产经验 10万+企业共同的选择

特点：小型、全方位安装、重量轻、合金铝外壳、轴需采用耐腐蚀钢订货时注明。润滑剂出厂时已加入。



ARA	2	1:1	LR
ARA系列	机座号	速比	轴配置（单纵轴代号L）

ARA0

ARA1、2、4

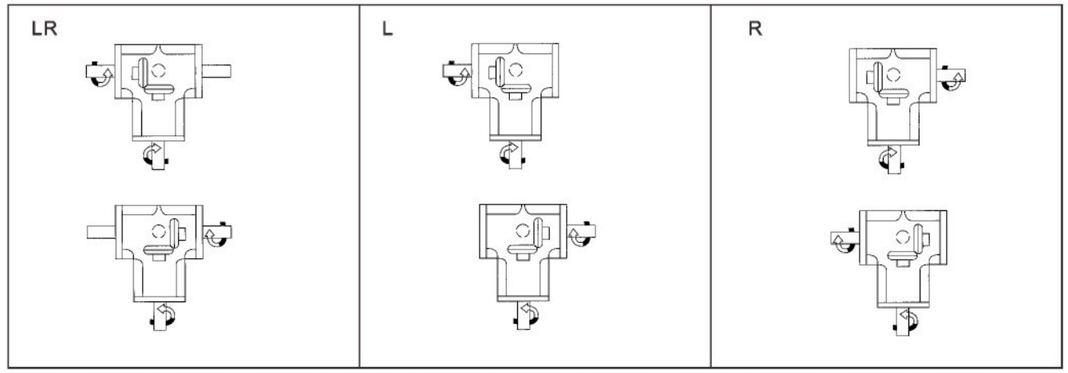
ARA系列外形尺寸表

	A1	A2	B	C	D(H7)	F	H	G	K	M	N	O	W	Z	ΦSh7	Q	平键
ARA0	100	70	94	70	Φ22	48	38	38	40	5	2	28	17	Φ5.5	Φ10	15	-
ARA1	184	108	155.5	120.5	Φ35	70	54	56	60	8	5	40	24	Φ6.8	Φ15	38	55
ARA2	252	152	226	177	Φ42	98	76	72	76	12	5	54	38	Φ8.8	Φ20	50	66
ARA4	280	160	265	210	Φ62	110	80	110	110	10.5	5	80	40	Φ10.8	Φ24	60	87

ARA系列重量表

Type	ARA0	ARA1	ARA2	ARA4
m(kg)	0.6	1.5	3.2	5.3

轴配置及旋转方向关系



传动能力表

i	n1 (r/min)	ARA0		ARA1		ARA2		ARA4	
		M_{N2} (N-M)	P_{N1} (KW)	M_{N2} (N-M)	P_{N1} (KW)	M_{N2} (N-M)	P_{N1} (KW)	M_{N2} (N-M)	P_{N1} (KW)
1:1	1450	4.13	0.31	7.15	1.11	12.25	1.92	31.9	4.94
	1150	41.3	0.28	71.5	0.88	14,01	1,73	34.1	4.19
	870	4,13	0.24	7.15	0.66	15.78	1.47	37.2	3.46
	580	41.3	0.18	71.5	0.44	17.74	1.10	39.5	2.45
	400	4.13	0.14	7.15	0.30	17.74	0.76	40.2	1.72
	300	41.3	0.12	71.5	0.23	17.74	0.57	40.5	1.30
	200	4.13	0.08	7.15	0.15	17.74	0.38	41.2	0.88
	150	41.3	0.06	71.5	0.11	17.74	0.28	41.8	0.67
	100	4.13	0.04	7.15	0.08	17.74	0.19	41.9	0.448
	50	41.3	0.02	71.5	0.04	17.74	0.095	43.2	0.231
2:1	1450	3,45	0.14	6.95	0.55	11.96	0.94	42.8	3.32
	1150	3.45	0.11	6.95	0.43	11.96	0.74	43.4	2.67
	870	3.45	0.08	6.95	0.33	11.96	0.56	43.8	2.04
	580	3.45	0.05	6.95	0.22	11.96	0.37	44.4	1.38
	400	3.45	0.04	6.95	0.15	11.96	0.26	45.1	0.964
	300	3.45	0.03	6.95	0.11	11.96	0.19	45.5	0.729
	200	3.45	0.02	6.95	0.075	11.96	0.13	46.1	0.492
	150	3.45	0.014	6.95	0.056	11.96	0.10	46.4	0.372
	100	3.45	0.010	6.95	0.038	11.96	0.064	46.6	0.249
	50	3.45	0.005	6.95	0.018	11.96	0.032	46.8	0.125

11

TAIGONG 泰工减速机

YS SERIES THREE-PHASE ASYNCHRONOUS MOTOR

YS系列三相异步电动机

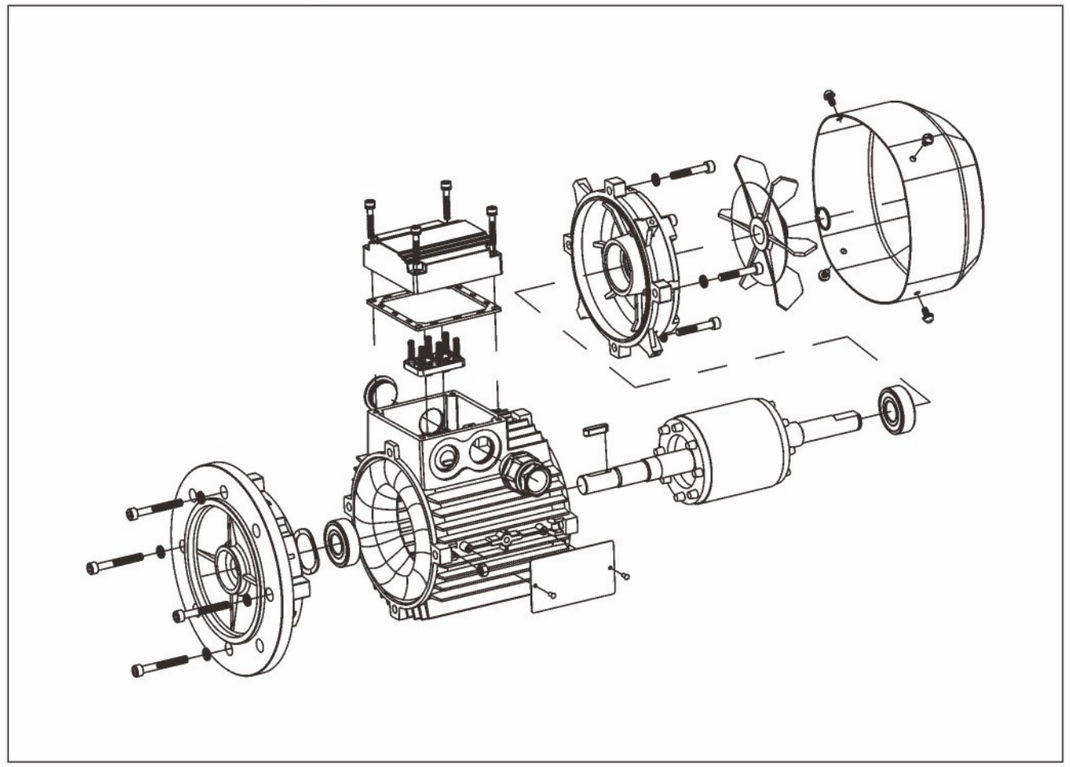
15年生产经验 10万+企业共同的选择

B3

B5

B14

结构分解图 Structure diagram



TAIGONG 泰工减速机
YS系列三相异步电动机
YS SERIES THREE-PHASE ASYNCHRONOUS MOTOR

型号标记 Signs and markl exaple

系列代号 Series code	YS	三相异步电动机 Three phase asynchronous motor	
机座号 Frame size	56	56 机座	Frame size 56
	63	63 机座	Frame size 63
	71	71 机座	Frame size 71
	80	80 机座	Frame size 80
	90	90 机座	Frame size 90
	100	100 机座	Frame size 100
	112	112 机座	Frame size 112
	132	132 机座	Frame size 132
铁芯规格 Spec.of iron core	1	1#长度规格	No.1 length spec
	2	2#长度规格	No.2 length spec
	3	3#长度规格	No.3 length spec
电机极数 Poles	2	2极	2 poles
	4	4极	4 poles
	6	6极	6 poles

产品标注 Product notes

电机产品标注按以下规则标注：**系列代号+机座号+铁芯长度规格号+电机极数+安装形式。**

例：**YS 71 24 B3**
YS 90L-2 B5

The marking principle for Motor products is following:
Series Code + Frame Size + Spec. of Iron Core + Poles + Mounting Position.

For example: **YS 71 24 B3**
YS 90L-2 B5

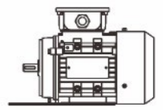
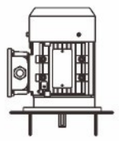
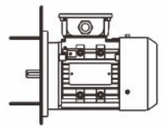
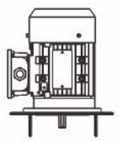
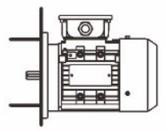
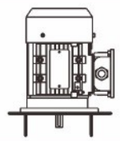
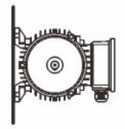
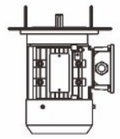
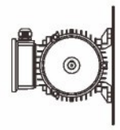
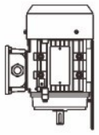
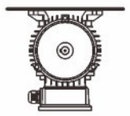
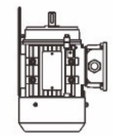
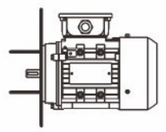
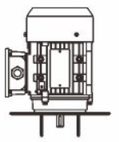
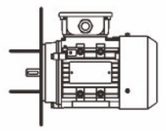
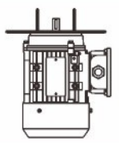
YS三相异步电动机性能参数 Performance parameter

型号 TYPE	功率 POWER (KW)	转速 N_N (R/MIN)	额定电流 I_N (A)	功率因素 COSΦ	额定转矩 M_N (N.M)	堵转转矩 M_{st}/M_N	最大转矩 M_{MAX}/M_N	堵转电流 I_S/I_N	效率 η (%)
2P									n_0=3000r/min
YS5612	0.09	2800	0.32	0.68	0.31	2.3	2.3	6	62
YS5622	0.12	2800	0.38	0.71	0.41	2.3	2.3	6	67
YS6312	0.18	2800	0.53	0.75	0.61	2.3	2.3	6	69
YS6322	0.25	2800	0.68	0.78	0.85	2.3	2.3	6	72
YS7112	0.37	2800	0.96	0.8	1.26	2.3	2.3	6	73.5
YS7122	0.55	2800	1.35	0.82	1.88	2.3	2.3	6	75.5
YS8012	0.75	2800	1.73	0.85	2.56	2.2	2.3	6	77.4
YS8022	1.1	2800	2.47	0.85	3.75	2.2	2.3	7	79.6
YS90S-2	1.5	2840	3.3	0.85	5.04	2.2	2.3	7	81.3
YS90L-2	2.2	2840	4.7	0.86	7.40	2.2	2.3	7	83.2
YS100L-2	3	2860	6.2	0.87	10.0	2.2	2.3	7.5	84.6
YS112M-2	4	2860	8.0	0.88	13.4	2.2	2.3	7.5	85.8
YS132S-2	5.5	2900	10.9	0.88	18.1	2.2	2.3	7.5	87
YS132M-2	7.5	2900	14.7	0.88	24.7	2.2	2.3	7.5	88.1
4P									n_0=1500r/min
YS5614	0.06	1380	0.28	0.58	0.42	2.4	2.4	6	56
YS5624	0.09	1380	0.39	0.61	0.62	2.4	2.4	6	58
YS6314	0.12	1380	0.48	0.63	0.83	2.4	2.4	6	60
YS6324	0.18	1380	0.65	0.66	1.25	2.4	2.4	6	64
YS7114	0.25	1400	0.83	0.68	1.71	2.4	2.4	6	67
YS7124	0.37	1400	1.12	0.72	2.52	2.4	2.4	6	69.5
YS8014	0.55	1400	1.56	0.73	3.75	2.4	2.4	6	73.5
YS8024	0.75	1400	1.91	0.75	5.12	2.3	2.4	6	79.6
YS90S-4	1.1	1420	2.6	0.78	7.40	2.3	2.4	6.5	81.4
YS90L-4	1.5	1420	3.5	0.79	10.1	2.3	2.4	6.5	82.8
YS100L1-4	2.2	1420	4.9	0.81	14.8	2.3	2.3	6.5	84.3
YS100L2-4	3	1420	6.5	0.82	20.2	2.3	2.3	7	85.5
YS112M-4	4	1440	8.6	0.82	26.5	2.3	2.3	7	86.6
YS132S-4	5.5	1450	11.5	0.83	36.2	2.3	2.3	7	87.7
YS132M-4	7.5	1450	15.3	0.84	49.4	2.3	2.3	7	88.7
6P									n_0=1000r/min
YS7116	0.18	910	0.76	0.61	1.89	2.0	2.0	5.5	59
YS7126	0.25	910	0.97	0.62	2.62	2.0	2.0	5.5	63
YS8016	0.37	910	1.33	0.62	3.88	2.0	2.0	5.5	68
YS8026	0.55	910	1.84	0.64	5.77	2.0	2.1	5.5	71
YS90S-6	0.75	920	2.2	0.68	7.79	2.0	2.1	5.5	75.9
YS90L-6	1.1	920	3.1	0.7	11.4	2.0	2.1	6	78.1
YS100L-6	1.5	940	3.8	0.75	15.2	2.0	2.1	6	79.8
YS112M-6	2.2	940	5.4	0.76	22.4	2.0	2.1	6.5	81.8
YS132S-6	3	960	7.2	0.76	29.8	2.1	2.1	6.5	83.3
YS132M1-6	4	960	9.5	0.76	39.8	2.1	2.1	6.5	84.6
YS132M2-6	5.5	960	12.6	0.77	54.7	2.1	2.1	6.5	86

TAIGONG 泰工减速机
YS系列三相异步电动机
YS SERIES THREE-PHASE ASYNCHRONOUS MOTOR

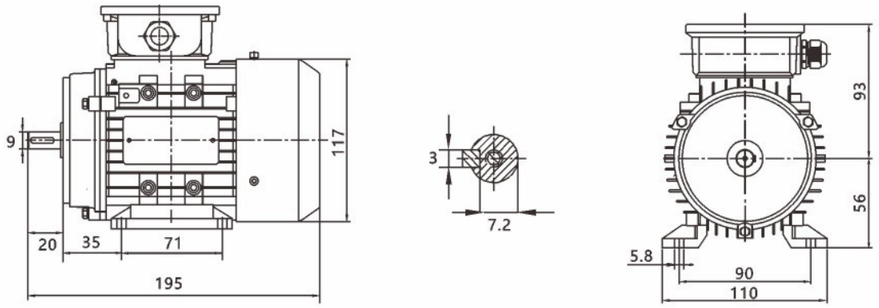
电机结构安装型式 Electric structure mounting position

符合GB997 / IEC60034-7标准 Accordance with GB997and IEC60034-7standard

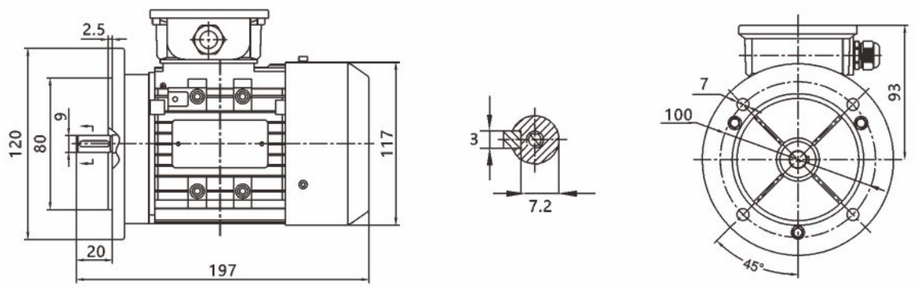
	B3 IM 1001		V1 IM 3011
	B5 IM 3001		V1/V5 IM 2011
	B3/B5 IM 2001		V3 IM 3031
	B6 IM 1051		V3/V6 IM 2031
	B7 IM 1061		V5 IM 1011
	B8 IM 1071		V6 IM 1031
	B14 IM 3601		V18 IM 3611
	B3/14 IM 2101		V19 IM 3631

YS(H)56 尺寸 YS(H)56 Dimensions

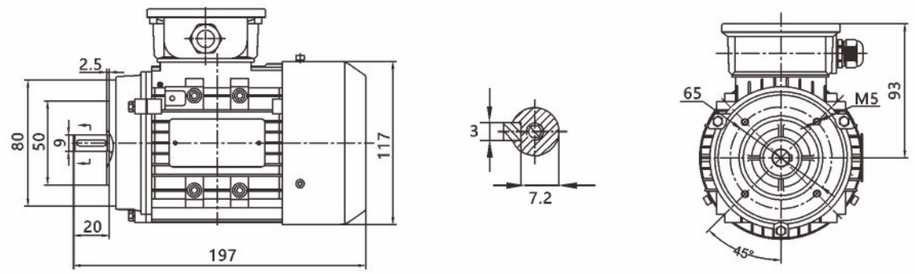
■ YS(H)56 -**B3**



■ YS(H)56 -**B5**



■ YS(H)56 -**B14**



注意：带“*”号的尺寸为可选项，标准品不含此尺寸。Note: The size marked with "*" is optional and not included in the standard product.

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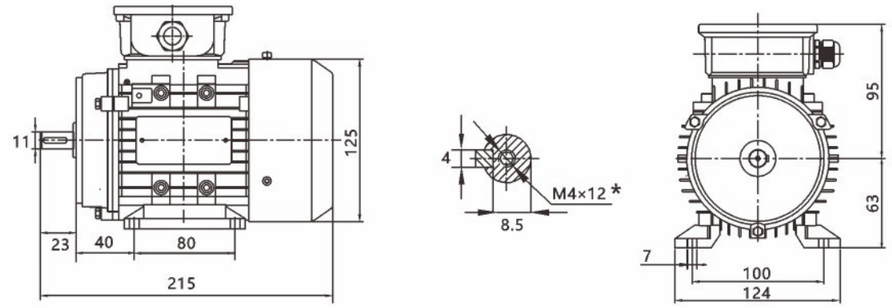
YS(H)63 尺寸 YS(H)63 Dimensions

■ YS(H)63 -**B3**



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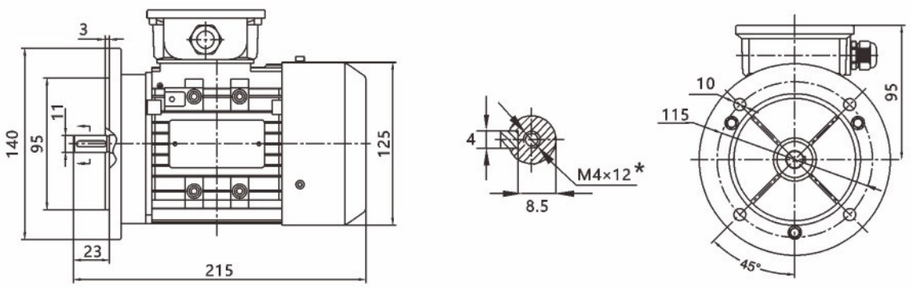
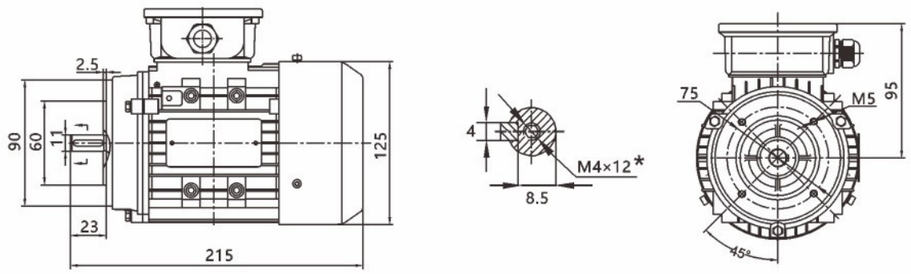


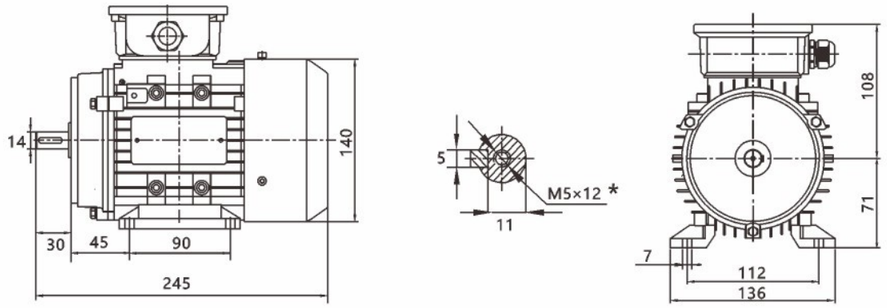
■ YS(H)63 -**B14**



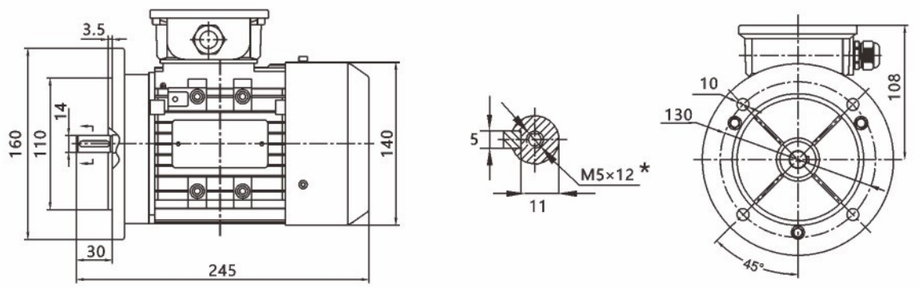
注意：带“*”号的尺寸为可选项，标准品不含此尺寸。Note: The size marked with "*" is optional and not included in the standard product.

YS(H)71 尺寸 YS(H)71 Dimensions

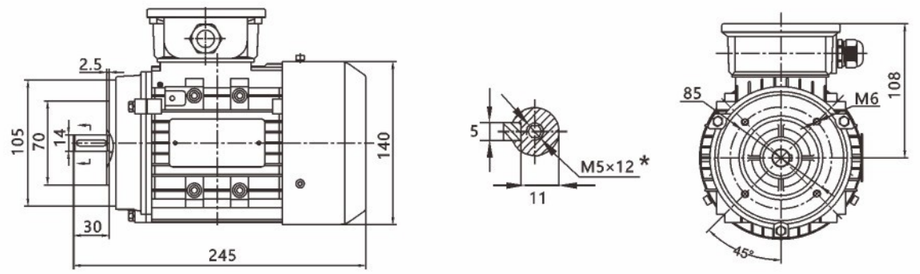
■ YS(H)71 -**B3**



■ YS(H)71 -**B5**



■ YS(H)71 -**B14**



注意：带“*”号的尺寸为可选项，标准品不含此尺寸。Note: The size marked with "*" is optional and not included in the standard product.

TAIGONG 泰工减速机
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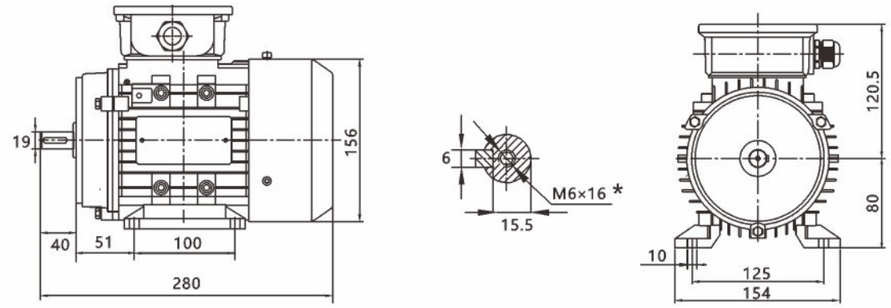
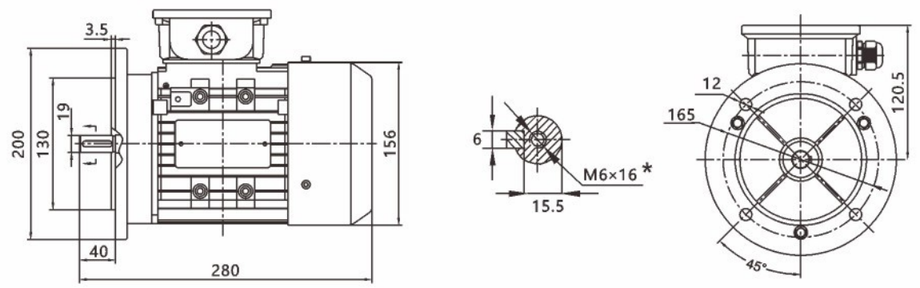
YS(H)80 尺寸 YS(H)80 Dimensions

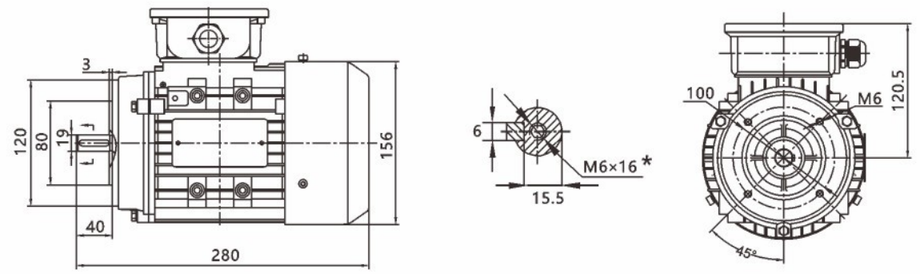
■ YS(H)80 -**B3**



■ YS(H)80 -**B5**



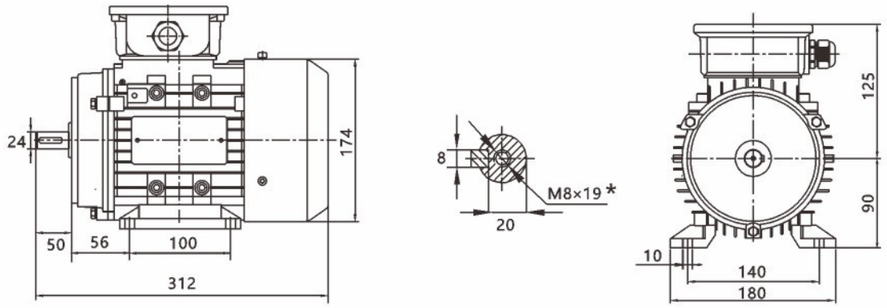
■ YS(H)80 -**B14**



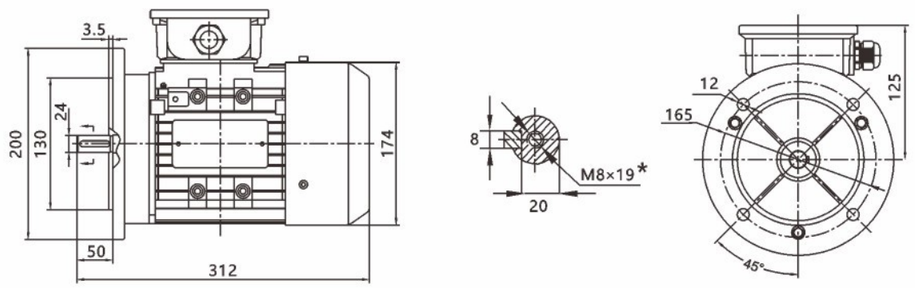
注意：带“*”号的尺寸为可选项，标准品不含此尺寸。Note: The size marked with "*" is optional and not included in the standard product.

YS(H)90S 尺寸 YS(H)90S Dimensions

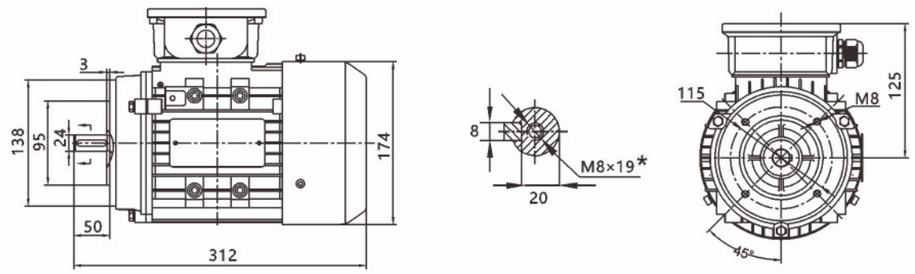
■ YS(H)90S -**B3**



■ YS(H)90S -**B5**



■ YS(H)90S -**B14**

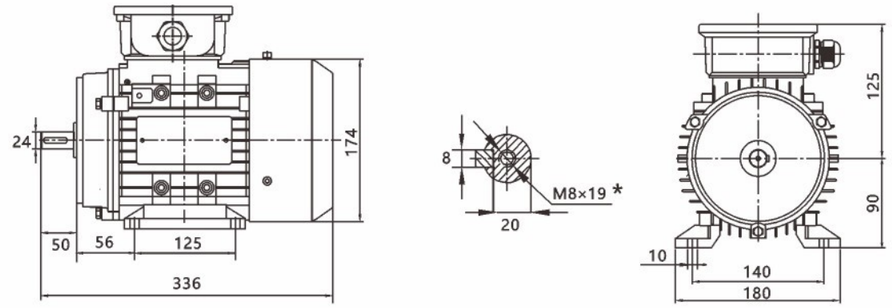


注意：带“*”号的尺寸为可选项，标准品不含此尺寸。Note: The size marked with "*" is optional and not included in the standard product.

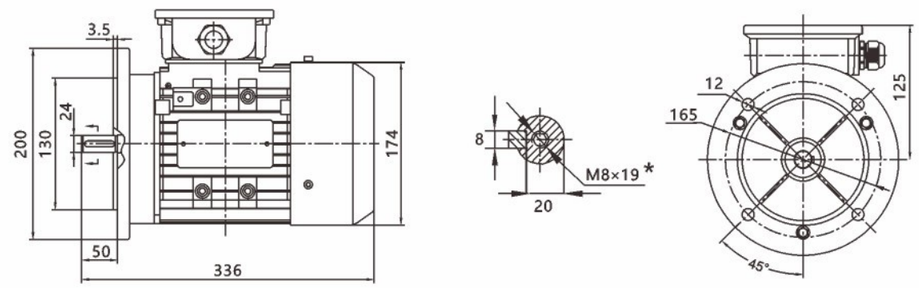
TAIGONG 泰工减速机
YS系列三相异步电动机
YS SERIES THREE-PHASE ASYNCHRONOUS MOTOR

YS(H)90L 尺寸 YS(H)90L Dimensions

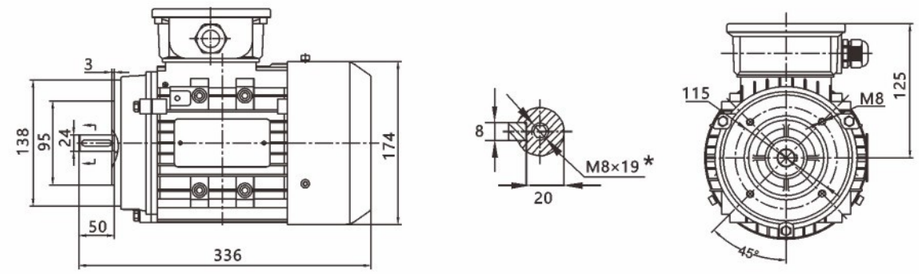
■ YS(H)90L -**B3**



■ YS(H)90L -**B5**



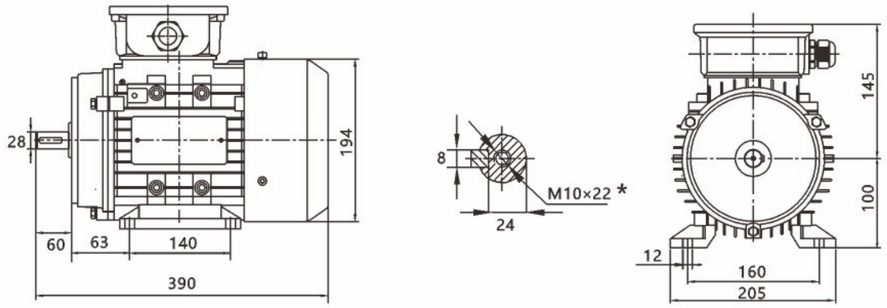
■ YS(H)90L -**B14**



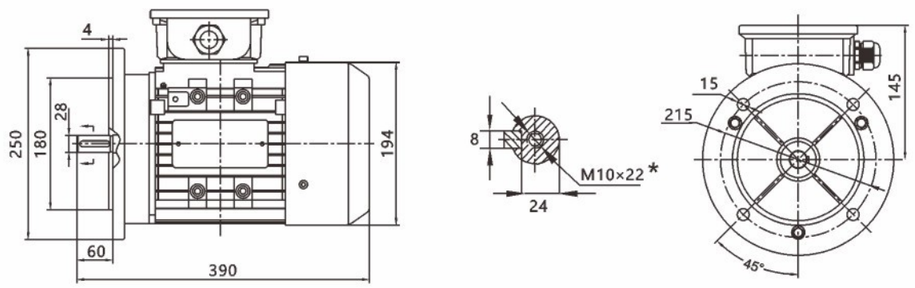
注意：带“*”号的尺寸为可选项，标准品不含此尺寸。Note: The size marked with "*" is optional and not included in the standard product.

YS(H)100L 尺寸 YS(H)100L Dimensions

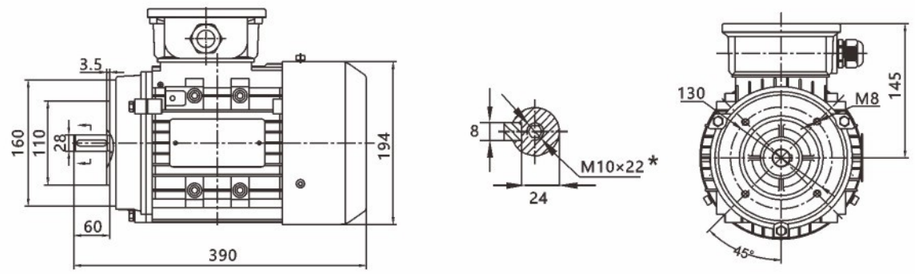
■ YS(H)100L -**B3**



■ YS(H)100L -**B5**



■ YS(H)100L -**B14**



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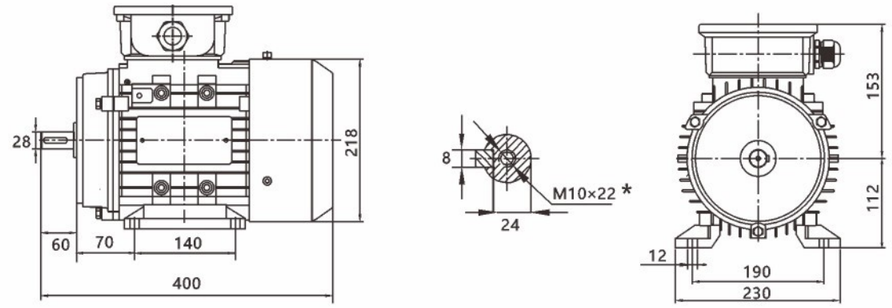
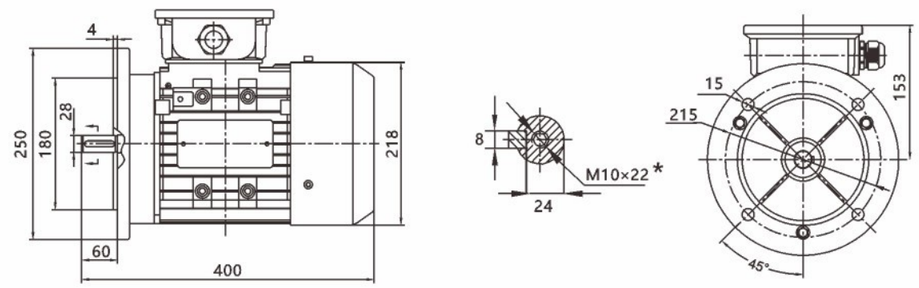
TAIGONG 泰工减速机
YS系列三相异步电动机
YS SERIES THREE-PHASE ASYNCHRONOUS MOTOR

YS(H)112M 尺寸 YS(H)112M Dimensions

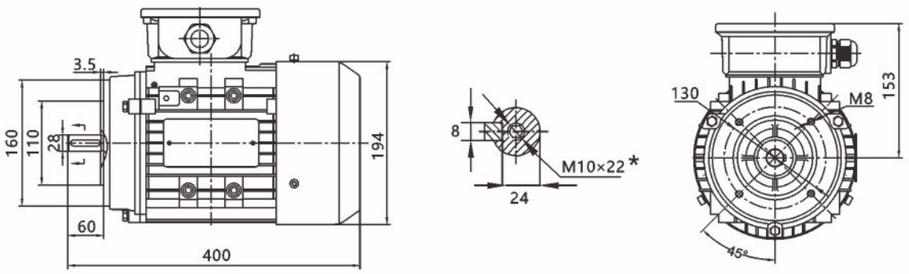
■ YS(H)112M -**B3**



■ YS(H)112M -**B5**



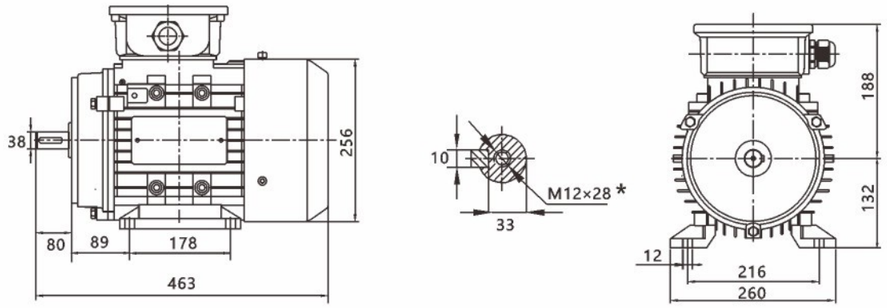
■ YS(H)112M -**B14**



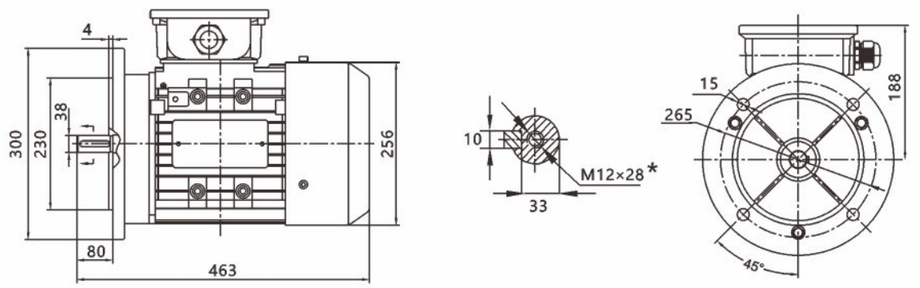
注意：带“*”号的尺寸为可选项，标准品不含此尺寸。Note: The size marked with "*" is optional and not included in the standard product.

YS(H)132S 尺寸 YS(H)132S Dimensions

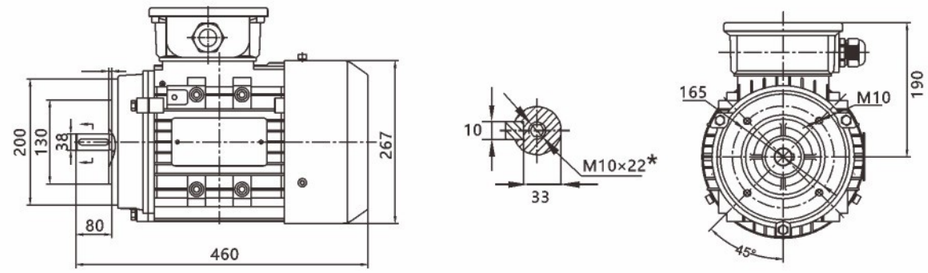
■ YS(H)132S -**B3**



■ YS(H)132S -**B5**



■ YS(H)132S -**B14**

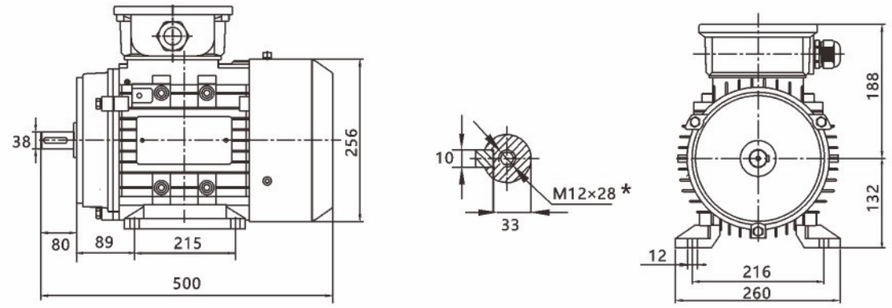


注意：带“*”号的尺寸为可选项，标准品不含此尺寸。Note: The size marked with "*" is optional and not included in the standard product.

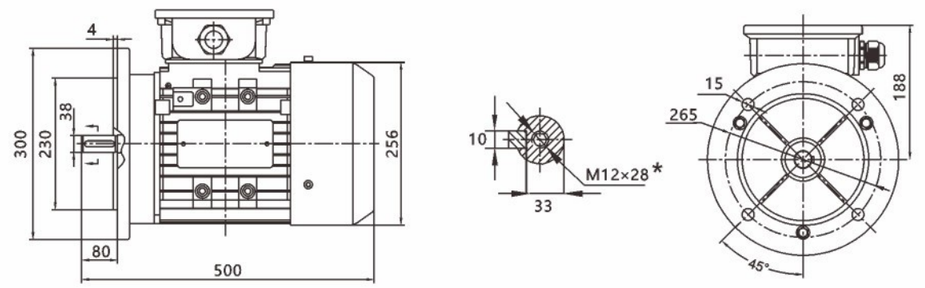
TAIGONG 泰工减速机
YS系列三相异步电动机
YS SERIES THREE-PHASE ASYNCHRONOUS MOTOR

YS(H)132M 尺寸 YS(H)132M Dimensions

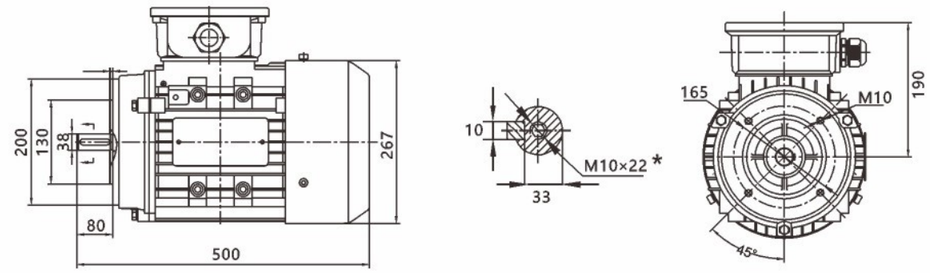
■ YS(H)132M -**B3**



■ YS(H)132M -**B5**



■ YS(H)132M -**B14**



注意：带“*”号的尺寸为可选项，标准品不含此尺寸。Note: The size marked with "*" is optional and not included in the standard product.

12

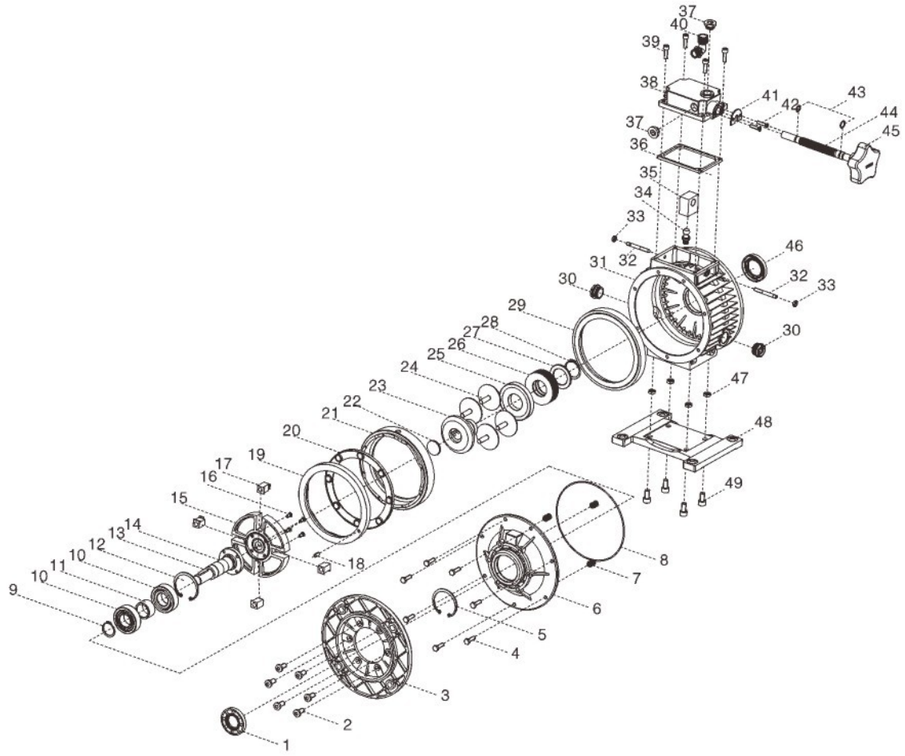
TAIGONG 泰工减速机

UDL SERIES STEPLESS SPEED VARIATOR

UDL系列无级变速器

15年生产经验 **10**万+企业共同的选择

UDL结构分解图 UDL Structure diagram



1	油封 (Oil seal)	11	轴承隔套 (Bearing every set of)	21	调速凸轮 (Speed CAM)	31	箱体 (Cabinet)	41	挡板 (Baffle)
2	六角圆柱头螺栓 (Hexagonal cylindrical head bolts)	12	孔用挡圈 (Hole block circle in)	22	平面油封 (Plane oil seal)	32	螺栓 (Bolt)	42	螺钉 (Screws)
3	输出法兰 (Output flanges)	13	平键 (Parallel key)	23	主动轮 (Active wheel)	33	螺母 (Nut)	43	O型橡胶密封圈 (O-ring)
4	外六角圆柱头螺栓 (Hexagonal cylindrical head bolts)	14	输出轴 (Output shaft)	24	行星锥盘 (Planet cone-disk)	34	球头调速柄 (Ball head speed control handle)	44	丝杆 (Screw)
5	孔用挡圈 (Hole block circle in)	15	转臂 (Turn arm)	25	压盘 (Pressure plate)	35	调速螺母 (Speed nuts)	45	调速柄 (Speed control handle)
6	输出端盖 (Output cover)	16	螺钉 (Screws)	26	螺形弹簧 (Will spring)	36	橡胶垫片 (Rubber gaskets)	46	油封 (Oil seal)
7	弹簧 (Spring)	17	滑块 (Slider)	27	挡圈 (Block circle)	37	油塞 (Oil plug)	47	螺母 (Nut)
8	O型橡胶密封圈 (O-ring)	18	弹性圆柱销 (Elastic cylindrical pin)	28	轴用挡圈 (Shaft block)	38	操作盖 (Operating cover)	48	底脚 (Foot bottom)
9	轴用挡圈 (Shaft block)	19	固定凸轮 (Fixed CAM)	29	定环 (Set ring)	39	内六角圆柱头螺栓 (Inside hexagonal cylindrical head bolts)	49	内六角圆柱头螺栓 (Inside hexagonal cylindrical head bolts)
10	轴承 (bearing)	20	滚珠环 (Ball ring)	30	视油镜 (Depending on oil mirror)	40	弯管 (Bent pipe)		

产品概述 Products overview

UDL系列无级变速器的设计，融合了国内外的先进技术，产品具有以下特点：

1. 调整精度高：达0.5 - 1转。
2. 变速范围大，输出速比可在1：1.4至1：7之间任意变化。
3. 强度高，寿命长。
4. 调速方便。
5. 可连续工作运转，且可正反方向运转，运转平稳，性能稳定，噪音低。
6. 全密封，对环境要求低。
7. 结构紧凑，体积小。
8. 采取优质铝合金压铸成型，外形美观，重量轻，永不生锈。
9. 适应性好。UDL系列无级变速器可与各种减速机组合，实现低速无级变速。

UDL系列无级变速器可广泛应用于食品、包装、化工、制药、塑料、造纸、机床、交通以及各种需调速的自动生产线、输送线、装配流水线，是您机器上理想的伙伴。

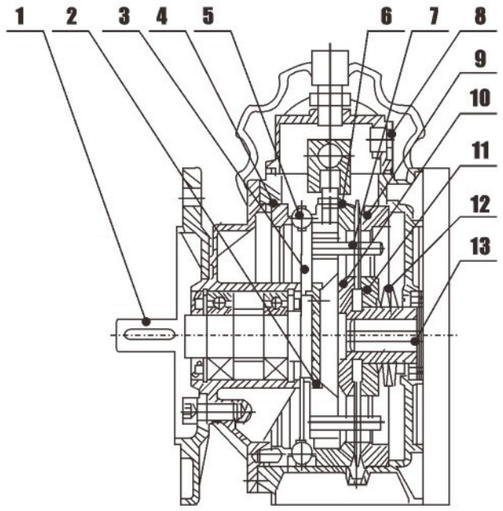
The design of UDL series stepless speed variator compromises the advanced technology both at home and abroad.The products include the following main characteristics:

1. High speed precision:0.5-1 shaft
2. High speed-changing range: The speed ratio ranges from 1:1.4 to 1:7 freely.
3. High in strength and long in service life.
4. Convenient to regulate the speed.
5. Continuous in running, front-to-back in running direction, smooth in driving, stable in performance and low in noise.
6. Full in sealing and suitable for any environment.
7. Compact in structure and small in volume
8. Made of high-quality aluminium alloy diecast into forming, good-looking in appearance, light in weight and it never gets rusty
9. Good in adaptation:UDL series stepless speed variators can be combined with all kinds of speed reducers, as to achieve low stepless speed-changing.

UDL series stepless speed variators are widely used for foodstuffs,packing,chemicals,pharmacy, plastics,paper-making,machine-tools,transportation,and all kinds of automatic lines,pipelines and assembly lines which need speed regulation ,It is a good companion for production.

TAIGONG 泰工减速机
UDL系列无级变速器
UDL SERIES STEPLESS SPEED VARIATOR

产品结构图 Product structural view



1、输出轴	Output shaft
2、行星轮架	Planet carrier
3、滑块	Friction bearing-planet disk
4、凸轮圈	Cam ring
5、滚珠环	Ball ring
6、可调环形滚道	Adjustable annulus race
7、行星盘	Plant disk
8、操作盒	Control cover
9、固定环形滚道	Fixed annulus race
10、固定太阳滚道	Fixed sun race
11、可调太阳滚道	Adjustable sun race
12、盘形弹簧	Belleville spring
13、电机轴	Motor shaft

UDL型号标记 UDL model mark

UDL - L - 0.75 B5 B8

1 2 3 4 5

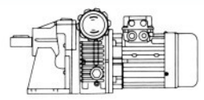
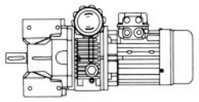
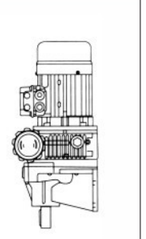
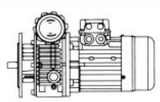
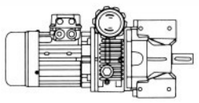
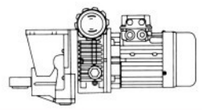
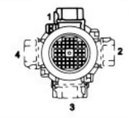
NO	说 明	Comments
1	无级变速器代号	Code of stepless speed variator
2	(1) L铝合金机壳 (2)不标注时为铸铁机壳	(1)L:Aluminium alloy casing (2) Iron casting without marks
3	电机功率	Motor power
4	(1) B3脚底安装机型 (2) B5法兰安装机型	(1)B3:Foot-mounted model (2)B5:Flange-mounted model
5	安装方位代号	Code of installation position

UDL无级变速器性能参数
Performance table for UDL series speed variator

N1=1400 r/min

B	型号Model	I	N_2[r/min]	M_2[Nm]
0.18KW	UDL0.18	1.6-8.2	880-170	1.5-3
0.25KW	UDL0.25	1.4-7	1000-200	2-6
0.37KW	UDL0.37	1.4-7	1000-200	3-6
0.55KW	UDL0.55	1.4-7	1000-200	4-8
0.75KW	UDL0.75	1.4-7	1000-200	6-12
1.1KW	UD1.1	1.4-7	1000-200	9-18
1.5KW	UD1.5	1.4-7	1000-200	12-24
2.2KW	UD2.2	1.4-7	1000-200	18-36
3.0KW	UD3.0	1.4-7	1000-200	24-48
4.0KW	UD4.0	1.4-7	1000-200	32-64
5.5KW	UD5.5	1.4-7	1000-200	45-90
7.5KW	UD7.5	1.4-7	1000-200	59-118

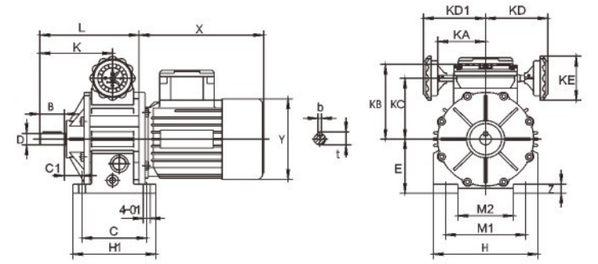
安装方位图 Installation position diagram

B3	B6S	V5	V1
			
B5	**B6S**		
			
B8	**Position of hand wheel**	**Position of terminal box**	
			

- 如果对接线盒位置有特殊要求，请在下单时如上图所示来指定接线盒安装方位，否则接线盒的位置按标准1形式提供。
- 如没有特殊要求，一般按出厂的标准位置B3或B5形式提供。
- 如需要特殊的位置请与我们技术服务人员联系。
- For special requirements，orders must specify the position of the terminal box with reference to the diagram. Unless otherwise specified the terminal box，the position of that will be mounted as shown in the diagram for the mounting position.
- Unless specified，otherwise，the standard positions are B3 or B5.
- For positions not listed，please call our Technical Service.

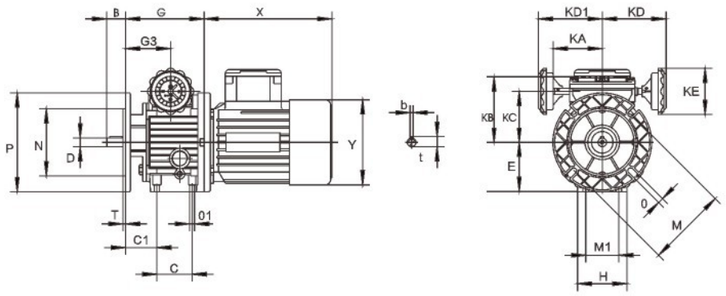
UDL外形及安装尺寸 Outline & installation sizes for UDL

B3型 MODEL



TYPE	B	D(j6)	C	C1	E	H	H1	K	L	M1	M2	O1	KA	KB	KC	KD	KD1	KE	b	t	X	Y	Z
UDL0.18B3	23	11	105	17.5	80	145	120	87.5	135.5	110	71	9	71	111	78	110	110	85	4	12.5	200	120	10
UDL0.25B3 **UDL0.37B3**	30	14	104	30.5	93	149	125	87.5	137.5	120	96	9	71	123	83	110	110	85	5	16	227	141	10
UDL0.75B3	40	19	125	40	113	190	150	108.5	171	160	135	11	79	140	103	120	120	110	6	21.5	268	160	15
UD1.1B3	40	24	125	46.5	106	200	150	147	203	160	104	13	–	124	109	135	–	110	8	27	265	195	15
UD1.5B3	50	24	140	49	125	230	170	154	221	180	130	13	–	144	127	135	–	110	8	27	290	195	18
UD2.2B3	60	28	230	25	150	300	270	191	268	245	190	14	–	188	158	166	–	110	8	31	320	215	25
UD3.0B3	60	28	230	25	150	300	270	191	268	245	190	14	–	188	158	166	–	110	8	31	320	215	25
UD4.0B3	60	28	230	25	150	300	270	191	268	245	190	14	–	188	158	166	–	110	8	31	340	240	25
UD5.5B3	70	38	250	33	200	365	290	201	319	315	225	18	–	–	192	194	–	110	10	41	395	275	30
UD7.5B3	70	38	250	33	200	365	290	201	319	315	225	18	–	–	192	194	–	110	10	41	435	275	30

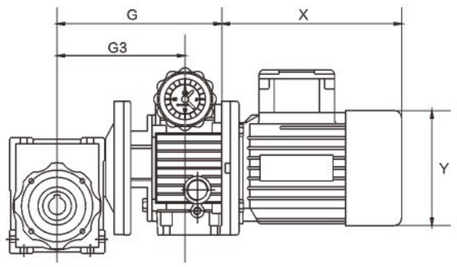
B5型 MODEL

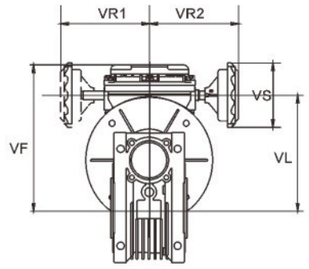


TYPE	B	D(j6)	C	G	G3	E	H	M	M1	N	O	O1	P	T	C1	KA	KB	KC	KD	KD1	KE	b	t	X	Y	Z
UDL0.18B5	23	11	50	112.5	64.5	70	72	115	60	95	9	M6	140	3.5	46	71	111	78	110	110	85	4	12.5	200	120	10
UDL0.25B5 **UDL0.37B5**	30	14	40	110	74	80	90	130	77	110	9	M8	160	3.5	53	71	123	83	110	110	85	5	16	227	141	10
UDL0.75B5	40	19	58	139	85.5	100	98	165	84	130	11	M8	200	3.5	60	79	140	103	120	120	110	6	21.5	268	160	15
UD1.1B5	40	24	–	147	95	98	207	165	–	130	11	–	200	3.5	–	–	124	109	135	–	110	8	27	265	195	15
UD1.5B5	50	24	–	188	115	126	241	165	–	130	11	–	200	3.5	–	–	144	127	135	–	110	8	27	290	195	18
UD2.2B5	60	28	–	208	131	150	270	215	–	180	15	–	250	4	–	–	188	158	166	–	110	8	31	320	215	25
UD3.0B5	60	28	–	208	131	150	270	215	–	180	15	–	250	4	–	–	188	158	166	–	110	8	31	320	215	25
UD4.0B5	60	28	–	208	131	150	270	215	–	180	15	–	250	4	–	–	188	158	166	–	110	8	31	340	240	25
UD5.5B5	70	38	–	244	131	200	–	265	–	230	19	–	300	5	–	–	–	192	194	–	110	10	41	395	275	30
UD7.5B5	70	38	–	244	131	200	–	265	–	230	19	–	300	5	–	–	–	192	194	–	110	10	41	435	275	30

UDL-NMRV变速器与蜗轮减速机组合

Combination of speed variator and worm gear units





Model	G	G3	VF	VL	VS	VR	Vr1	机座号4P Base NO.4P n1 =1400r/min	X	Y
UDL0.18-NMRV040	183	135	151	118	85	110	110	63	200	120
UDL0.18-NMRV050	193	145	161	128	85	110	110			
UDL0.37-NMRV050	190	154	173	140	85	110	110	71	227	141
UDL0.37-NMRV063	205	169	186	153	85	110	110			
UDL0.55-NMRV063	234	181	203	170	110	120	120	80	268	160
UDL0.75-NMRV063	234	181	203	170	110	120	120			
UDL0.37-NMRV0.75	223	187	198	165	85	110	110	71	227	141
UDL0.55-NMRV075	252	198	215	182	110	120	120	80	268	160
UDL0.75-NMRV075	252	198	215	182	110	120	120			
UD1.1-NMRV075	259.5	207.5	199	177	110	150	–	90S	265	195
UD1.5-NMRV075	300.5	227.5	219	197	110	150	–	90L	290	195
UDL0.55-NMRV090	269	215	230	197	110	120	120	80	268	160
UDL0.75-NMRV090	269	215	230	197	110	120	120			
UD1.1-NMRV090	276.5	224.5	214	192	110	150	–	90S	265	195
UD1.5-NMRV090	317.5	244.5	234	212	110	150	–	90L	290	195
UD1.1-NMRV110	307	255	234	212	110	120	–	90S	265	195
UD1.5-NMRV110	348	275	254	232	110	150	–	90L	290	195
UD2.2-NMRV110	368	291	298	260	110	160	–	100L	320	215
UD3.0-NMRV110	368	291	298	260	110	160	–			
UD4.0-NMRV110	368	291	298	260	110	160	–	112M	340	240
UD1.5-NMRV130	368	295	274	252	110	150	–	90L	290	195
UD2.2-NMRV130	388	311	318	280	110	160	–	100L	320	215
UD3.0-NMRV130	388	311	318	280	110	160	–			
UD4.0-NMRV130	388	311	318	280	110	160	–	112M	340	240

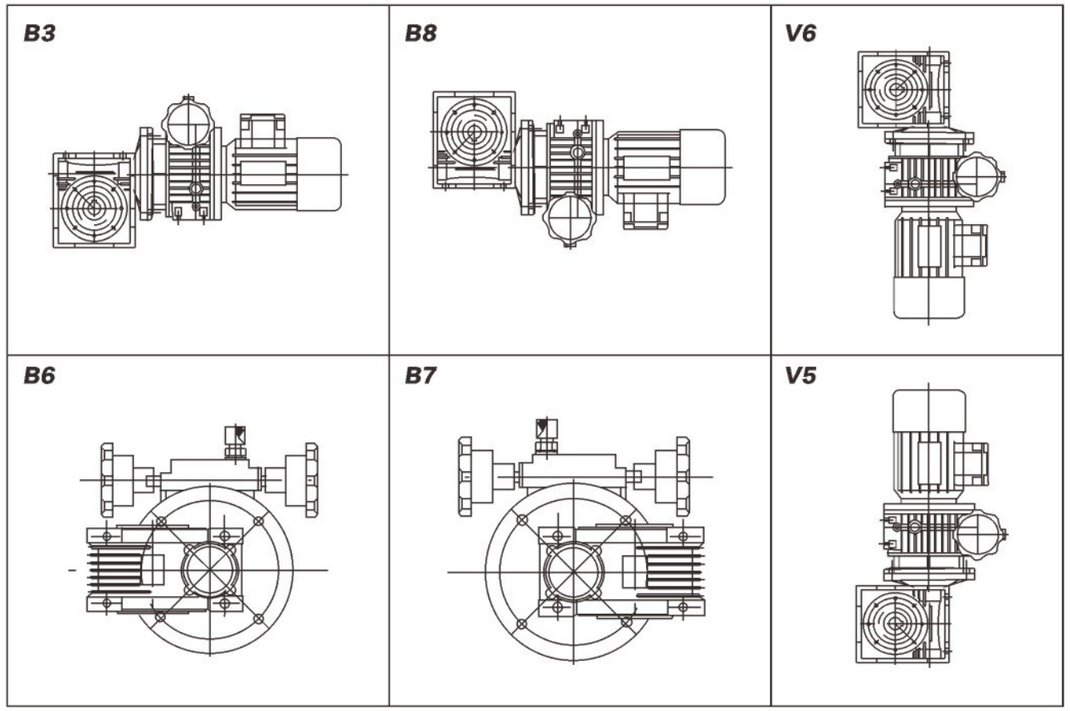
TAIGONG 泰工减速机
UDL系列无级变速器
UDL SERIES STEPLESS SPEED VARIATOR

性能参数 Performance parameter

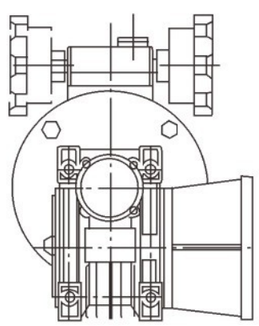
	型号 Model	i	n2 r/min	M2 N.M
0.12KW 4P n1=1400r/min	UDL0.12-NMRV040	7.5	113-23	6-12
		10	85-17	8-17
		15	57-11	12-24
		20	43-8.5	15-31
		25	34-7	18-36
		30	28-5.5	20-41
		40	21-4.5	25-51
		50	17-3.5	30-61
		60	14-3	35-71
	UDL0.12-NMRV050	80	11-2	39-78
		100	8.5-1.5	44-88
0.18KW 4P n1=1400r/min	UDL0.18-NMRV040	7.5	113-23	9-18
		10	85-17	12-23
		15	57-11	17-32
		20	43-8.5	22-40
		25	34-7	27-47
		30	28-5.5	30-51
		40	21-4.5	37-62
		50	17-3.5	43-60
	UDL0.18-NMRV050	60	14-3	50-80
		80	11-2	59-82
		100	8.5-1.5	66-79
0.25KW 4P n1=1400r/min	UDL0.25-NMRV050	7.5	133-26.7	12-21
		10	100-20	17-34
		15	66.7-13.3	24-49
		20	50-10	31-63
		25	40-8	36-73
		30	33.3-6.7	41-82
		40	25-5	51-102
		50	20-4	61-122
		60	16.7-33	70-143
	UDL0.25-NMRV063	80	12.5-2.5	84-169
		100	10-2	93-187
0.37KW 4P N1=1400r/min	UDL0.37 -NMRV050	7.5	133-26.7	19-36
		10	100-20	25-47
		15	66.7-13.3	36-65
		20	50-10	46-82
		25	40-8	55-97
		30	33.3-6.7	61-107
		40	25-5	76-124
		50	20-4	89-120
	UDL0.37-NMRV063	60	16.7-3.3	104-173
		80	12.5-2.5	125-172
		100	10-2	139-150

	型号 Model	i	n2 r/min	M2 N.M
0.55KW 4P n1=1400r/min	UDL0.55-NMRV063	7.5	133-26.7	26-49
		10	100-20	34-63
		15	66.7-13.3	48-88
		20	50-10	62-112
		25	40-8	75-133
		30	33.3-6.7	81-146
		40	25-5	105-179
		50	20-4	123-207
	UDL0.55-NMRV075	60	16.7-3.3	146-242
		80	12.5-2.5	175-250
	UDL0.55-NMRV090	100	10-2	218-350
0.75KW 4P n1=1400r/min	UDL0.75-NMRV063	7.5	133-26.7	39-73
		10	100-20	51-94
		15	66.7-13.3	72-132
		20	50-10	92-168
		25	40-8	112-199
		30	33.3-6.7	126-219
		40	25-5	156-232
		50	20-4	185-310
	UDL0.75-NMRV075	60	16.7-3.3	219-300
	UDL0.75-NMRV090	80	12.5-2.5	265-428
		100	10-2	303-410
1.1KW 4P n1=1400r/min	UDL1.1-NMRV075	7.5	133-26.7	59-111
		10	100-20	77-144
		15	66.7-13.3	110-203
		20	50-10	142-258
		25	40-8	172-308
		30	33.3-6.7	195-340
		40	25-5	245-360
	UDL1.1-NMRV090	50	20-4	304-517
	UDL1.1-NMRV110	60	16.7-3.3	368-625
		80	12.5-2.5	455-751
		100	10-2	522-710
1.5KW 4P n1=1400r/min	UDL1.5-NMRV075	7.5	133-26.7	78-148
		10	100-20	102-192
		15	66.7-13.3	147-270
		20	50-10	190-344
		25	40-8	229-330
		30	33.3-6.7	260-390
	UDL1.5-NMRV090	40	25-5	341-589
		50	20-4	406-560
	UDL1.5-NMRV110	60	16.7-3.3	490-833
	UDL1.5-NMRV130	80	12.5-2.5	614-999
		100	10-2	696-1100
2.2KW 4P n1=1400r/min	UDL2.2-NMRV110	7.5	133-26.7	120-226
		10	100-20	157-294
		15	66.7-13.3	228-418
		20	50-10	298-549
		25	40-8	364-664
		30	33.3-6.7	413-717
		40	25-5	533-931
	UDL2.2-NMRV130	50	20-4	648-1097
		60	16.7-3.3	746-1246
3.0KW 4P n1=1400r/min	UDL3.0-NMRV110	7.5	133-26.7	160-302
		10	100-20	210-392
		15	66.7-13.3	304-558
		20	50-10	398-732
		25	40-8	485-885
		30	33.3-6.7	547-956
		40	25-5	711-1030
	UDL3.0-NMRV130	50	20-4	864-1463
4.0KW 4P n1=1400r/min	UDL4.0-NMRV110	7.5	133-26.7	213-402
		10	100-20	279-523
		15	66.7-13.3	405-744
		20	50-10	530-975
		25	40-8	653-1180
	UDL4.0-NMRV130	30	33.3-6.7	749-1298
		40	25-5	960-1650

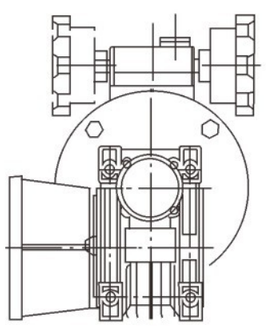
UDL…–NMRV…安装方位图 UDL–NMRV mounted position



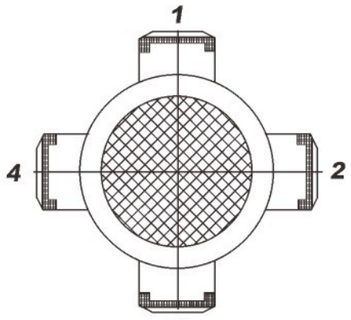
输出法兰位置图 Position diagram for output flange



F1
FH1



F2
FH2



电机安装方位图
Motor Installation Position Diagram