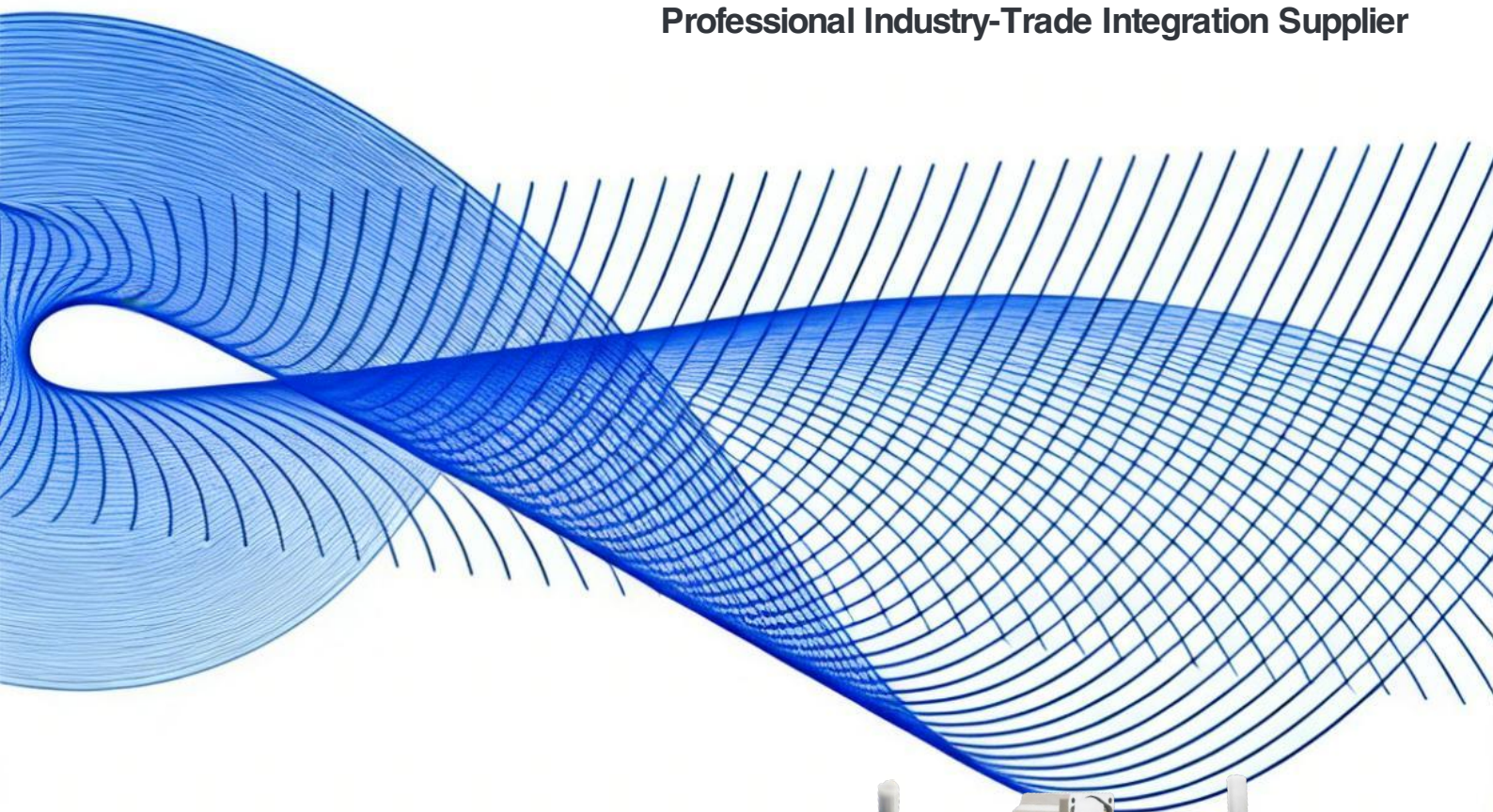


Hangzhou GT Rail Traffic Equipment Co., Ltd

Professional Industry-Trade Integration Supplier



Reduction Motor Catalogue

About Us

IVH DRIVE was officially established on 15th June 2011 in Hangzhou. Currently, we mainly sell reducers, motors, blowers, and gear pumps in the international market, and even providing customers with a complete set of equipment transmission solutions. We are always focused on quality control, process, materials, design, and other aspects. We are steadily advancing in the fiercely competitive market, striving to provide customers with high-quality products and thoughtful services.



2011

SINCE

25+

EXPORT COUNTRIES

40+

PRODUCT COVERAGE

8

FACTORIES DISTRIBUTION



Product Content

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Advanced Manufacturing Platform

先进的制造平台

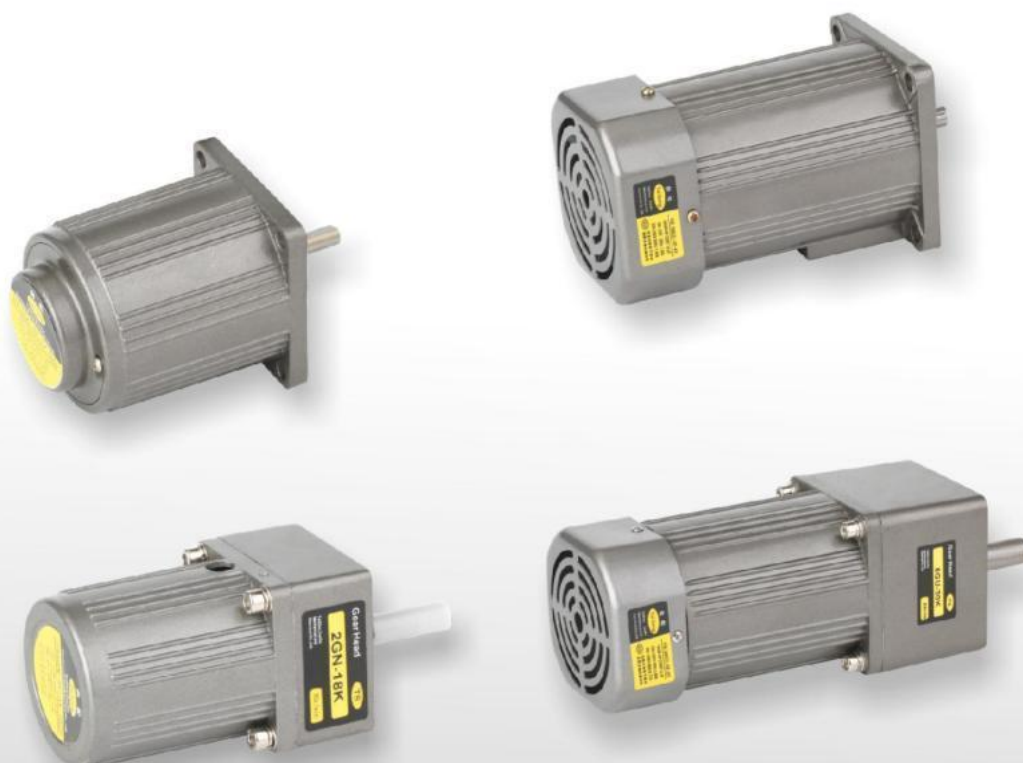


MICRO AC GEAR MOTOR

微型交流齿轮减速电机

6W-750W

动力传动专业制造商
PROFESSIONAL MANUFACTURER OF POWER TRANSMISSION



卓越品质 驱动未来
EXCELLENT QUALITY DRIVE THE FUTURE

微型交流齿轮减速电机选型参考

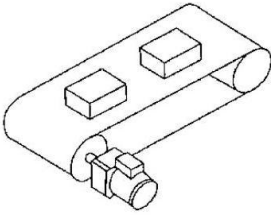
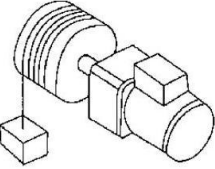
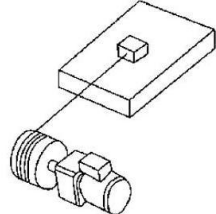
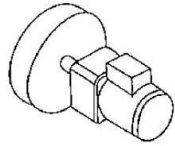
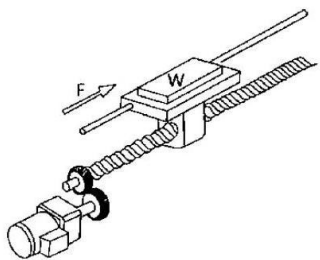
MICRO AC GEAR MOTOR SERIES PRODUCT MODEL EXPLANATION

选型计算 CALCULATION FOR SELECTION

在电机和减速器的选型中，首先要确认负载的工作状况，并在此基础上对负载进行计算，如所需的扭矩、运行速度等，从而确定所配套电机、减速器型号，进而根据安装要求，确定电机，减速箱的结构形式。

In selecting the most suitable motor and reducer, the working conditions of the load must be ascertained first before load calculations are performed, then, decide the model of the matching motor and gearbox required, and finally decide in the installation structure for the motor and gearbox according to installation requirements.

负载功率计算 CALCULATION FOR LOAD POWER

皮带输送的负载计算 Load calculation of conveyance belt 	$P_z = (P_1 + P_2 + P_3) \frac{100}{\eta} (W)$ $P_1 = 9.8 \mu W V L (W)$ $P_2 = \frac{\mu Q L (W)}{367}$ $P_3 = \pm \frac{Q H (W)}{367}$ Pz: 总负载功率 Load power P1: 输送带空载功率 No-load power of the conveyance P2: 输送带带负载的水平做功 Horizontal working of the load on the conveyance belt	L: 输送带长度 (M) length of the belt W: 输送带比重 (kgf/m) specific weight of the conveyance μ: 摩擦系数 Friction coefficient V: 输送带速度 Velocity of the conveyance belt Q: 输送能力 (kgf/h) Capacity of conveyance H: 输送带两端的高度差 (m) Height difference between both ends of the belt
缠绕升降 Winding up/lifting up the load 	$P_z = \frac{W V}{6.12 \eta} \times 100 (W)$ Pz: 总负载功率 Load power W: 负载重量 (kgf) Weight of load V: 升降速度 (m/min) Speed η: 效率 (%) Efficiency	水平牵引 Traveling on flat surface  $P_z = \frac{\mu W V}{6.12}$ Pz: 总负载功率 Load power W: 负载重量 (kgf) Weight of load V: 运行速度 (m/min) Speed μ: 摩擦系数 Friction coefficient
回转轮驱动 Driving flywheel load 	$P_z = 1.027 n T (W)$ $T \approx \frac{G D^2 \times n}{375 T} (kgf.m)$ 总负载功率 Load power T: 转矩 (kgf.m) Torque n: 转速 (r/min) Speed G: 回转体转动惯量 (kgf.m²) Flywheel effect	驱动滚珠丝杆 Driving ball screw  $T = \frac{P (F + \mu W)}{2 \pi}$ T: 转矩 (kgf.m) Torque P: 导程 (m) Lead F: 外力 (kgf) External force W: 负载重量 (kgf) Weight of load μ: 摩擦系数 (0.5-0.2) Friction coefficient

减速器传动效率 Transmission efficiency of the gear reducers

型号 Type	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
2GN/3GN/4GN	82%										75%										66%					
5GU/6GU	81%										75%										66%					
																					59%					

微型交流齿轮减速电机型号定义

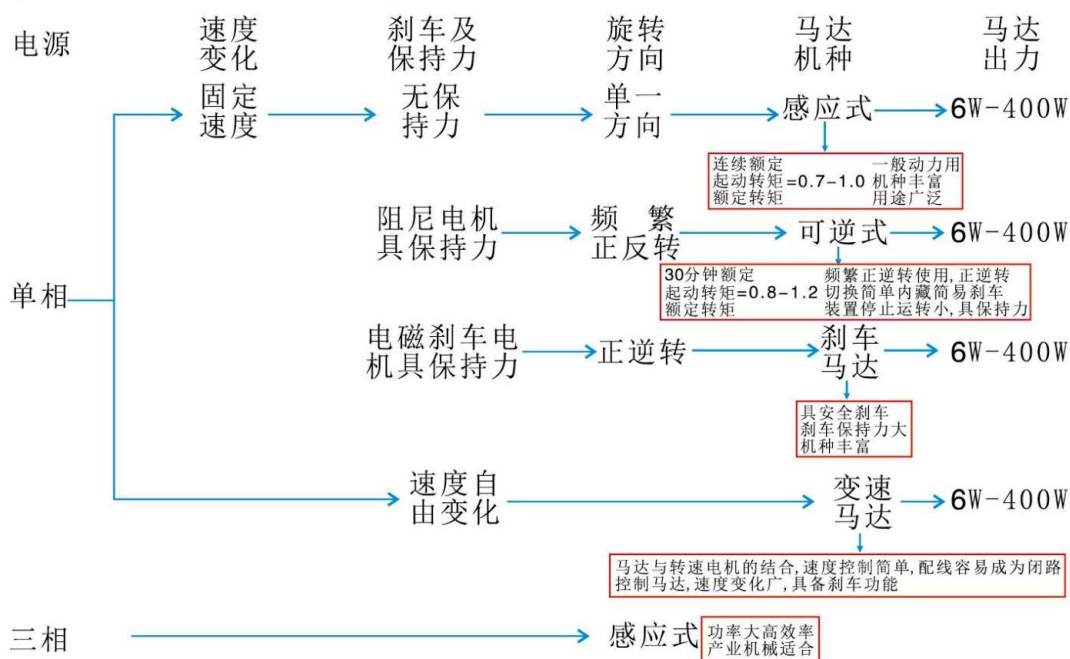
MICRO AC GEAR MOTOR SERIES PRODUCT MODEL EXPLANATION

电机型号

①	②	③	④	⑤	⑥	⑦	⑧
5	I	K	40	R	GN	-C	F
①	电动机的尺寸 Motor Frame Size 0:42mm		2:60mm 3:70mm 4:80mm 5:90mm 6:104mm 7:120mm				
②	机型名称 MotorType		I : 感应电机 Induction Motor R : 可逆阻尼电动机 Reversible Motor T : 转矩电动机 Torque Motor				
③	系列名称 Series		K : K系列 K Series				
④	输出功率 Output Power(W)		40 : 40W				
⑤	R表示带调速电机; 无: 表示定速电机		The Suffix "R" after the Output Power Means Speed Adjustable Motor.				
⑥	输出轴形状 Motor Shaft Type		GN: 常规齿轮轴 Pinion Shaft GU: 加强齿轮轴 Pinion Shaft A : 圆轴型/铣扁型 Round Shaft				
⑦	电源电压极数/转速 Voltage Poles/speed		A : 单相 Single-Phase 110V 50/60HZ 4P 1400rpm C : 单相 Single-Phase 220V 50/60HZ 4P 1400rpm S : 三相 Three-Phase 220V 50/60HZ 4P 1400rpm U : 三相 Three-Phase 380V 50/60HZ 4P 1400rpm Y : 三相 Three-Phase 220V/380 50/60HZ 4P 1400rpm A : 单相 Single-Phase 110V 50/60HZ 2P 2800rpm S : 三相 Three-Phase 220V 50/60HZ 2P 2800rpm U : 三相 Three-Phase 380V 50/60HZ 2P 2800rpm				
⑧	T : 带接线盒 Terminal Box Type F F : 带风扇 W/Fan M : 电磁制动刹车 Electromagnetic Brake P : 温控开关 Thermally						

减速器 GEARHEAD

①	②	③	④
5	GN	50	K
①	电动机的尺寸 Motor Frame Size 0:42mm		2:60mm 3:70mm 4:80mm 5:90mm 6:104mm 7:120mm
②	类型 Gear Type		GN: GN型齿轮轴 GN Type Pinion Shaft GS: 带耳朵型减速箱 GS type gear box GU: GU型齿轮轴 GU Type Pinion Shaft GK: 四方头型减速箱 GK type gear box
③	减速比 Gear Ratio		(例Example) 50: 减速比 Gear Ratio of 1:50 10X 仅限减速器 1:10 的中间减速比 10X denotes the decimal gearhead of ratio 1:10
④	轴承部类 Bearing Type		K : 滚珠轴承 Ball bearing





■ 电机技术参数 Motor Technical Parameters

电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	电流 Current A	启动转矩 Starting Torque mN.m	额定转矩 Rated Torque mN.m	额定转速 Rated Speed r/min	额定时间 Rated Time min	电容 Capacitor μF/VAC	
圆轴电机 motor with round shaft	齿轮电机 motor with gear shaft										
感应电机 Induction motor	2IK6A-A	2IK6GN-A	6	1PH110 (单相)	50 60	0.22 0.20	38 35	47 40	1400 1500	连续 Continuous	2/250
	2IK6A-C	2IK6GN-C	6	1PH220 (单相)	50 60	0.11 0.10	38 35	47 40	1400 1500	连续 Continuous	1.0/450
	2IK6A-S	2IK6GN-S	6	3PH220 (三相)	50 60	0.05 0.05	100 83	47 40	1400 1500	连续 Continuous	
	2IK6A-U	2IK6GN-U	6	3PH380 (三相)	50 60	0.03 0.03	100 83	47 40	1400 1500	连续 Continuous	
	2RK6A-A	2RK6GN-A	6	1PH110 (单相)	50 60	0.23 0.21	45 40	47 40	1400 1500	30	3/250
	2RK6A-C	2RK6GN-C	6	1PH220 (单相)	50 60	0.12 0.21	45 40	47 40	1400 1500	30	1.2/450
	2IK6A-AM	2IK6GN-AM	6	1PH110 (单相)	50 60	0.23 0.21	75 40	47 40	1400 1500	30	3/250
	2IK6A-CM	2IK6GN-CM	6	1PH220 (单相)	50 60	0.12 0.11	45 40	47 40	1400 1500	30	1.2/450
刹车电机 Brake motor	2IK6A-SM	2IK6GN-SM	6	3PH220 (三相)	50 60	0.05 0.05	100 83	47 40	1400 1500	连续 Continuous	
	2IK6A-UM	2IK6GN-UM	6	3PH380 (三相)	50 60	0.03 0.03	100 83	47 40	1400 1500	连续 Continuous	

电机型号			功率 Power W	电压 Voltage V	频率 Frequency Hz	启动转矩 Starting Torque mN.m	调速范围 Speed Control Range r/min	额定转矩 Rated Torque mN.m		额定时间 Rated Time min	电容 Capacitor μF/VAC
圆轴电机 motor with round shaft	齿轮电机 motor with gear shaft	1250r/min						90r/min			
调速电机 Variable speed	2IK6RA-A	2IK6RGN-A	6	1PH110 (单相)	50	38	90-1350	47	30	连续 Continuous	2/250
					60	35	90-1450	47	30		
	2IK6RA-C	2IK6RGN-C	6	1PH220 (单相)	50	38	90-1350	47	30	连续 Continuous	1/450
					60	35	90-1450	47	30		

■ 减速电机容许转矩 Reduction Motor Max Allowable Torque

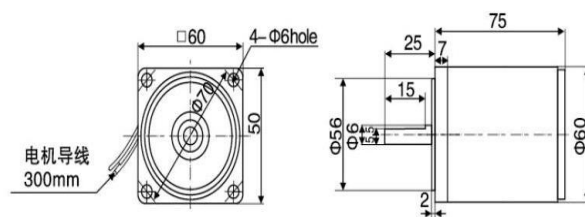
减速比 Reduction ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
50Hz	转速 r/min	470	390	280	233	186	155	140	112	93	78	70	56	48	38	35	28	23	18	15	14	11	9	8	7	6	5
	转矩 N.m	0.12	0.14	0.20	0.24	0.30	0.36	0.40	0.50	0.60	0.72	0.8	0.89	1.11	1.31	1.42	1.61	1.9	2.41	2.90	3	3	3	3	3	3	3
	转矩 Kg/cm	1.2	1.42	2.0	2.44	3.0	3.6	4.0	5.0	6.0	7.2	8.0	8.9	11.1	13.1	14.2	16.1	19	24.1	29	30	30	30	30	30	30	30
60Hz	转速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5
	转矩 N.m	0.10	0.12	0.17	0.20	0.25	0.30	0.33	0.42	0.50	0.60	0.66	0.70	0.91	1.11	1.21	1.41	1.60	2.09	2.41	2.72	3	3	3	3	3	3
	转矩 Kg/cm	1	1.2	1.7	2.0	2.5	3.0	3.3	4.2	5.0	6.1	6.6	7.0	9.1	11.1	12.1	14.1	16	20.9	24.1	27.2	30	30	30	30	30	30

▲ 注意 使用电压和机型号不同 电容容量不一样 订货时请务必指明具体的型号

转速是以电动机的同步转速(50Hz:1400r/min、60Hz:1500r/min)为基准除以减速比而算出来的数值。实际转速将随负载大小变化而比所示数值减少2%~20%左右 希望以大于上表的减速比进行进一步减速时, 可在电动机与减速器之间安装减速比为1:10的中间减速器。

圆轴型 Circular shaft type

2IK6A-□



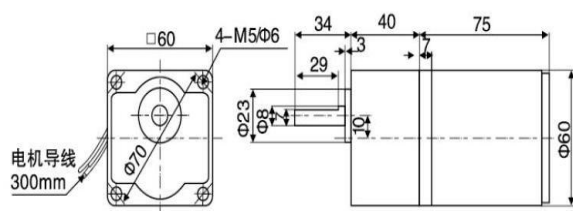
结构 电动机

重量 0.8kg

定速型 Optical axis type

2IK6-□+GK□K (感应式)

2RK6-□+GK□K (可逆式)



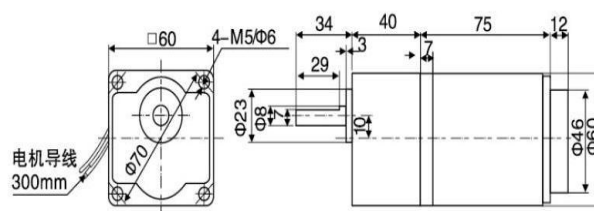
结构 减速器+电动机

重量 1.1kg

减速比 3K 250K 图中()内的数值速比为3-15

调速型 Speed regulation type

2IK6R-□+GK□K

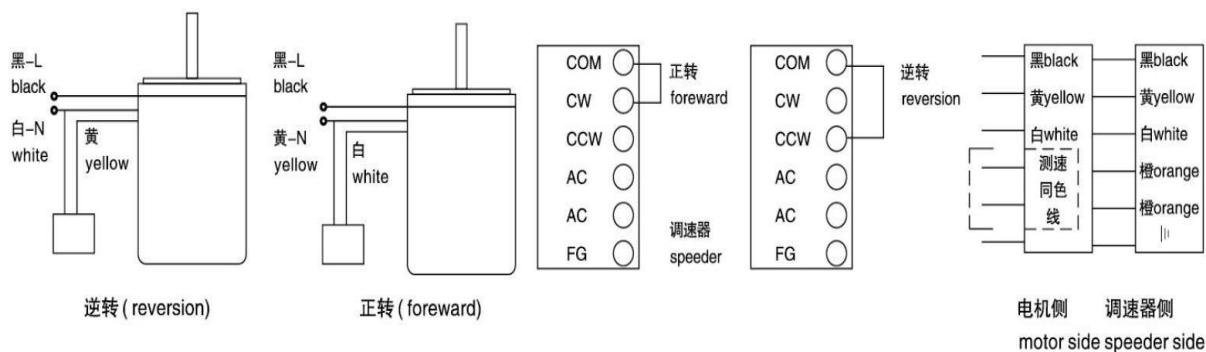


结构 减速器+电动机+调速器(另加)

重量 1.1kg

减速比 3K 250K 图中()内的数值速比为3-15

接线图 Connecting type





电机技术参数 Motor Technical Parameters

	电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	电流 Current A	启动转矩 Starting Torque mN.m	额定转矩 Rated Torque mN.m	额定转速 Rated Speed r/min	额定时间 Rated Time min	电容 Capacitor μF/VAC
	圆轴电机 motor with round shaft	齿轴电机 motor with gear shaft									
感应电机 Induction motor	3IK15A-A	3IK15GN-A	15	1PH110 (单相)	50 60	0.33 0.30	92 88	115 96	1400 1500	连续 Continuous	5/250
	3IK15A-C	3IK15GN-C	15	1PH220 (单相)	50 60	0.15 0.13	92 88	115 96	1400 1500	连续 Continuous	1.2/450
	3IK15A-S	3IK15GN-S	15	3PH220 (三相)	50 60	0.1 0.1	242 200	120 96	1400 1500	连续 Continuous	
	3IK15A-U	3IK15GN-U	15	3PH380 (三相)	50 60	0.06 0.06	242 200	120 92	1400 1500	连续 Continuous	
可逆电机 Reversible motor	3RK15A-A	3RK15GN-A	15	1PH110 (单相)	50 60	0.36 0.34	110 105	150 125	1400 1500	30	6/250
	3RK15A-C	3RK15GN-C	15	1PH220 (单相)	50 60	0.16 0.12	110 105	150 125	1400 1500	30	1.5/450
	3IK15A-AM	3IK15GN-AM	15	1PH110 (单相)	50 60	0.36 0.34	110 105	150 125	1400 1500	30	6/250
	3IK15A-CM	3IK15GN-CM	15	1PH220 (单相)	50 60	0.16 0.12	110 105	150 125	1400 1500	30	1.5/450
刹车电机 Brake motor	3IK15A-SM	3IK15GN-SM	15	3PH220 (三相)	50 60	0.11 0.11	242 200	120 96	1400 1500	连续 Continuous	
	3IK15A-UM	3IK15GN-UM	15	3PH380 (三相)	50 60	0.07 0.07	242 200	120 96	1400 1500	连续 Continuous	
	电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	启动转矩 Starting Torque mN.m	调速范围 Speed Control Range r/min	额定转矩 Rated Torque mN.m		额定时间 Rated Time min	电容 Capacitor μF/VAC
	圆轴电机 motor with round shaft	齿轴电机 motor with gear shaft						1250r/min	90r/min		
调速电机 Variable speed	3IK15RA-A	3IK15RGN-A	15	1PH110 (单相)	50 60	92 88	90-1350 90-1450	115 115	40 40	连续 Continuous	5/250
	3IK15RA-C	3IK15RGN-C	15	1PH220 (单相)	50 60	92 88	90-1350 90-1450	115 115	40 40	连续 Continuous	1.2/450

减速电机容许转矩 Reduction Motor Max Allowable Torque

减速比 Reduction ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
50Hz	转速 r/min	470	390	280	233	186	155	140	112	93	78	70	56	48	38	35	28	23	18	15	14	11	9	8	7	6	5
	转矩 N.m	0.30	0.36	0.51	0.61	0.76	0.90	1.05	1.30	1.51	1.82	2.01	2.31	2.71	3.33	3.61	4.11	5	5	5	5	5	5	5	5	5	5
	转矩 Kg/cm	3.0	3.6	5.1	6.1	7.6	9.0	10.5	13	15.1	18.2	20.1	23.1	27.1	33.3	36.1	41.1	50	50	50	50	50	50	50	50	50	50
60Hz	转速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5
	转矩 N.m	0.26	0.31	0.43	0.51	0.64	0.77	0.90	1.00	1.31	1.56	1.73	1.90	2.30	2.81	3.10	3.51	4.2	5	5	5	5	5	5	5	5	5
	转矩 Kg/cm	2.6	3.1	4.3	5.1	6.4	7.7	9.0	10	13.1	15.6	17.3	19	23	28.1	31	35.1	42	50	50	50	50	50	50	50	50	50

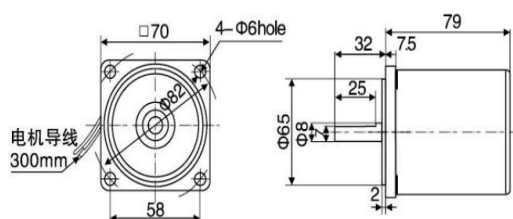


注意 使用电压和机型不同 电容容量不一样 订货时请务必指明具体的型号

转速是以电动机的同步转速(50Hz:1400r/min、60Hz:1500r/min)为基准除以减速比而算出来的数值。实际转速将随负载大小变化而比所示数值减少2%-20%左右 希望以大于上表的减速比进行进一步减速时,可在电动机与减速器之间安装减速比为1:10的中间减速器。

■ 圆轴型 Circular shaft type

3IK15A-□

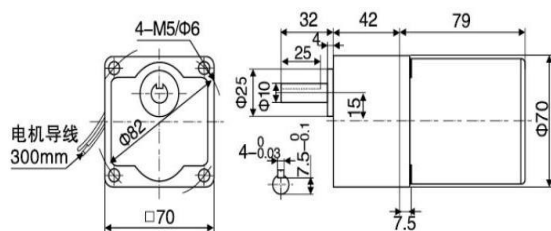


结构 电动机
重量 11kg

■ 定速型 Optical axis type

3IK15□+GN□K (感应式)

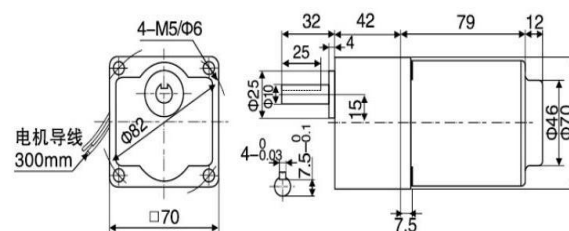
3RK15□+GN□K (可逆式)



结构 减速器+电动机
重量 1.6kg
减速比 3K-250K

■ 调速型 Speed regulation type

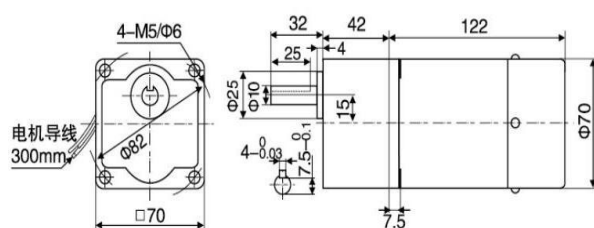
3IK15R□+GN□K



结构 减速器+电动机+调速器 (另加)
重量 1.7kg
减速比 3K-250K

■ 刹车定速型 Brake optical type

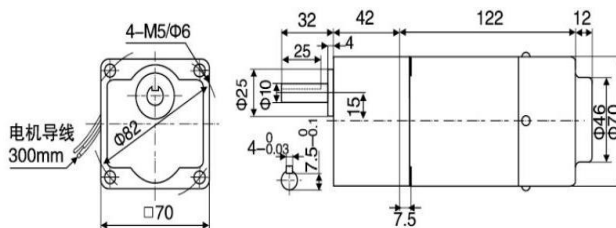
3IK15-□M+GN□K



结构 减速器+电动机+刹车器
重量 1.9kg
减速比 3K-250K

■ 刹车调速型 Brake speed regulation type

3IK15R-□M-GN□K



结构 减速器+电动机+刹车器+调速器 (另加)
重量 2.0kg
减速比 3K-250K



■ 电机技术参数 Motor Technical Parameters

电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	电流 Current A	启动转矩 Starting Torque mN.m	额定转矩 Rated Torque mN.m	额定转速 Rated Speed r/min	额定时间 Rated Time min	电容 Capacitor μF/VAC
圆轴电机 motor with round shaft	齿轮电机 motor with gear shaft									
感应电机 Induction motor	4IK25A-A	25	1PH110 (单相)	50	0.48	150	190	1400	连续 Continuous	6/250
				60	0.44	125	160	1500		
	4IK25A-C	25	1PH220 (单相)	50	0.22	150	190	1400	连续 Continuous	1.5/450
				60	0.20	125	160	1500		
	4IK25A-S	25	3PH220 (三相)	50	0.18	425	190	1400	连续 Continuous	
				60	0.16	380	160	1500		
	4IK25A-U	25	3PH380 (三相)	50	0.14	425	190	1400	连续 Continuous	
				60	0.12	380	160	1500		
可逆电机 Reversible motor	4RK25A-A	25	1PH110 (单相)	50	0.50	170	190	1400	30	8/250
				60	0.47	145	160	1500		
	4RK25A-C	25	1PH220 (单相)	50	0.24	170	190	1400	30	2.0/450
				60	0.22	145	160	1500		
刹车电机 Brake motor	4IK25A-AM	25	1PH110 (单相)	50	0.50	170	190	1400	30	8/250
				60	0.47	145	160	1500		
	4IK25A-CM	25	1PH220 (单相)	50	0.24	170	190	1400	30	2.0/450
				60	0.22	145	160	1500		
	4IK25A-SM	25	3PH220 (三相)	50	0.18	425	190	1400	30	
				60	0.16	380	160	1500		
	4IK25A-UM	25	3PH380 (三相)	50	0.14	425	190	1400	30	
				60	0.12	380	160	1500		
电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	启动转矩 Starting Torque mN.m	调速范围 Speed Control Range r/min	额定转矩 Rated Torque mN.m		额定时间 Rated Time min	电容 Capacitor μF/VAC
圆轴电机 motor with round shaft	齿轮电机 motor with gear shaft						1250r/min	90r/min		
调速电机 Variable speed	4IK25RA-A	15	1PH110 (单相)	50	150	90-1350	190	50	连续 Continuous	6/250
				60	125	90-1450	190	50		
	4IK25RA-C	15	1PH220 (单相)	50	150	90-1350	190	50	连续 Continuous	1.5/450
				60	125	90-1450	190	50		

■ 减速电机容许转矩 Reduction Motor Max Allowable Torque

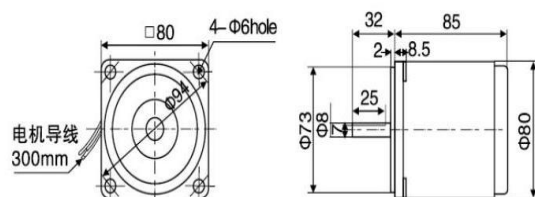
减速比 Reduction ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
50Hz	转速 r/min	470	390	280	233	186	155	140	112	93	78	70	56	48	38	35	28	23	18	15	14	11	9	8	7	6	5
	转矩 Nm	0.50	0.60	0.83	1.00	1.20	1.37	1.67	2.10	2.50	3.00	3.33	3.70	4.50	5.40	5.91	6.80	8	8	8	8	8	8	8	8	8	8
	转矩 Kg/cm	5.0	6.0	8.3	10	12	13.7	16.7	21	25	30	33.3	37	45	54	59.1	68	80	80	80	80	80	80	80	80	80	80
60Hz	转速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5
	转矩 Nm	0.41	0.50	0.69	0.83	1.00	1.12	1.33	1.70	2.10	2.52	2.8	3.10	3.70	4.50	4.92	5.60	7.03	8	8	8	8	8	8	8	8	8
	转矩 Kg/cm	4.1	5.0	6.9	8.3	10	11.2	13.3	17	21	25.2	28	31	37	45	49.2	56	70.3	80	80	80	80	80	80	80	80	80

▲ 注意 使用电压和机型号不同 电容容量不一样 订货时请务必指明具体的型号

转速是以电动机的同步转速(50Hz:1400r/min、60Hz:1500r/min)为基准除以减速比而算出来的数值。实际转速将随负载大小变化而比所示数值减少2%~20%左右 希望以大于上表的减速比进行进一步减速时,可在电动机与减速器之间安装减速比为1:10的中间减速器。

■ 圆轴型 Circular shaft type

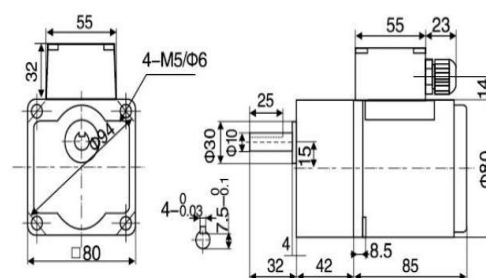
4IK25A-□



结构 电动机

重量 1.5kg

■ 带端子箱型 With terminal box type

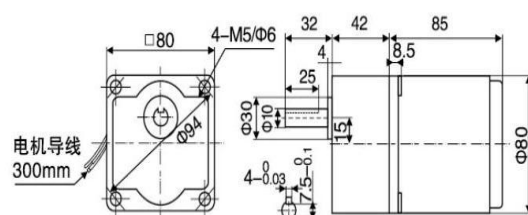


结构 减速器+电动机+端子箱

重量 2.2kg

减速比 3K-300K

■ 定速型 Optical axis type

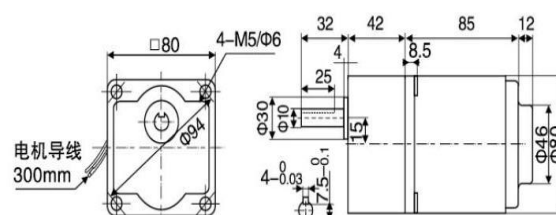


结构 减速器+电动机

重量 2.1kg

减速比 3K-300K

■ 调速型 Speed regulation type

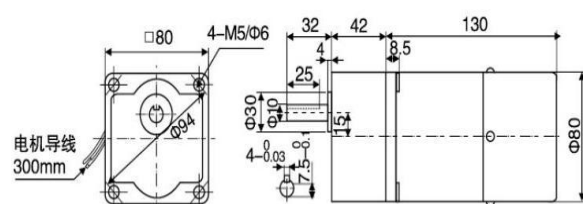


结构 减速器+电动机+调速器 (另加)

重量 2.2kg

减速比 3K-300K

■ 刹车定速型 Brake optical type

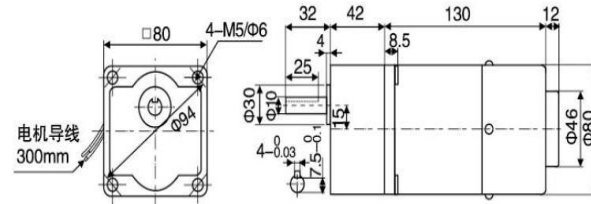


结构 减速器+电动机+刹车器

重量 2.4kg

减速比 3K-300K

■ 刹车调速型 Brake speed regulation type



结构 减速器+电动机+刹车器+调速器 (另加)

重量 2.5kg

减速比 3K-300K



■ 电机技术参数 Motor Technical Parameters

电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	电流 Current A	启动转矩 Starting Torque mN.m	额定转矩 Rated Torque mN.m	额定转速 Rated Speed r/min	额定时间 Rated Time min	电容 Capacitor μF/VAC	
圆轴电机 motor with round shaft	齿轮电机 motor with gear shaft										
感应电机 Induction motor	5IK40A-A	5IK40GN-A	40	1PH110 (单相)	50	0.72	235	295	1400	连续 Continuous	10/250
					60	0.64	180	250	1500		
	5IK40A-C	5IK40GN-C	40	1PH220 (单相)	50	0.43	235	295	1400	连续 Continuous	2.5/450
					60	0.39	180	250	1500		
	5IK40A-S	5IK40GN-S	40	3PH220 (三相)	50	0.38	650	295	1400	连续 Continuous	
					60	0.35	540	250	1500		
	5IK40A-U	5IK40GN-U	40	3PH380 (三相)	50	0.22	650	295	1400	连续 Continuous	
					60	0.19	300	250	1500		
可逆电机 Reversible motor	5RK40A-A	5RK40GN-A	40	1PH110 (单相)	50	0.79	250	295	1400	30	12/250
					60	0.71	300	250	1500		
	5RK40A-C	5RK40GN-C	40	1PH220 (单相)	50	0.40	250	295	1400	30	3.0/450
					60	0.37	145	250	1500		
刹车电机 Brake motor	5IK40A-AM	5IK40GN-AM	40	1PH110 (单相)	50	0.79	300	295	1400	30	12/250
					60	0.71	250	250	1500		
	5IK40A-CM	5IK40GN-CM	40	1PH220 (单相)	50	0.40	300	295	1400	30	3.0/450
					60	0.37	250	250	1500		
	5IK40A-SM	5IK40GN-SM	40	3PH220 (三相)	50	0.38	650	295	1400	30	
					60	0.35	540	250	1500		
	5IK40A-UM	5IK40GN-UM	40	3PH380 (三相)	50	0.22	650	295	1400	30	
					60	0.19	540	250	1500		

电机型号			功率 Power W	电压 Voltage V	频率 Frequency Hz	启动转矩 Starting Torque mN.m	调速范围 Speed Control Range r/min	额定转矩 Rated Torque mN.m		额定时间 Rated Time min	电容 Capacitor μF/VAC
圆轴电机 motor with round shaft	齿轮电机 motor with gear shaft	1250r/min						90r/min			
调速电机 Variable speed	5IK40RA-A	5IK40RGN-A	40	1PH110 (单相)	50	235	90-1350	305	60	连续 Continuous	10/250
					60	180	90-1450	305	60		
	5IK40RA-C	5IK40RGN-C	40	1PH220 (单相)	50	235	90-1350	305	60	连续 Continuous	2.5/450
					60	180	90-1450	305	60		

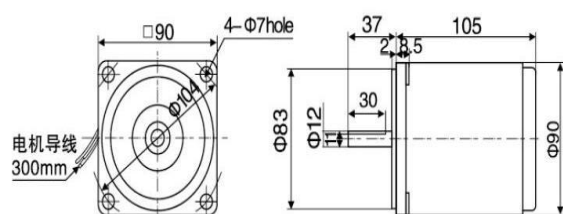
■ 减速电机容许转矩 Reduction Motor Max Allowable Torque

减速比 Reduction ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
50Hz	转速 r/min	470	390	280	233	186	155	140	112	93	78	70	56	48	38	35	28	23	18	15	14	11	9	8	7	6	5
	转矩 Nm	0.77	0.92	1.3	1.50	1.90	2.31	2.50	3.20	3.80	4.56	5.06	5.70	6.90	9.31	9.56	11.9	14.4	18.7	20	20	20	20	20	20	20	
	转矩 Kg/cm	7.7	9.2	13	15	19	23.1	25	32	38	45.6	50.6	57	69	93.1	95.6	119	144	187	200	200	200	200	200	200	200	
60Hz	转速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5
	转矩 Nm	0.63	0.76	1.1	1.30	1.60	1.91	2.10	2.60	3.20	3.84	4.27	4.70	5.70	6.80	7.35	8.61	10.3	13.3	16.0	17.8	20	20	20	20	20	
	转矩 Kg/cm	6.3	7.6	11	1	16	19.1	21	26	32	38.4	42.7	47	57	68	73.5	86.1	103	133	160	178	200	200	200	200	200	

▲ 注意 使用电压和机型不同 电容容量不一样 订货时请务必指明具体的型号

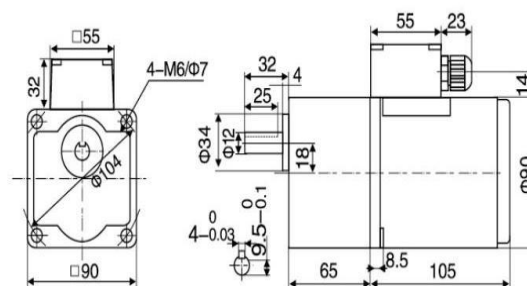
转速是以电动机的同步转速(50Hz:1400r/min、60Hz:1500r/min)为基准除以减速比而算出来的数值。实际转速将随负载大小变化而比所示数值减少2%~20%左右 希望以大于上表的减速比进行进一步减速时,可在电动机与减速器之间安装减速比为1:10的中间减速器。

■ 圆轴型 Circular shaft type



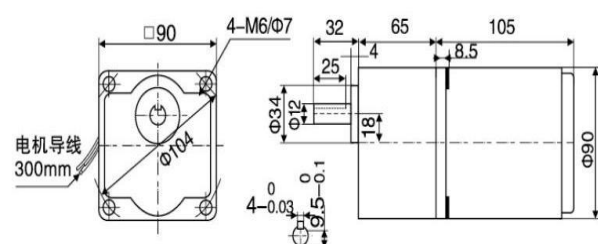
结构 电动机
重量 2.3kg

■ 带端子箱型 With terminal box type



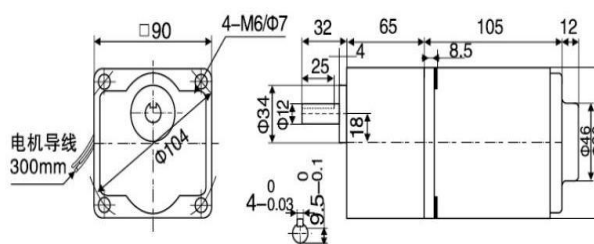
结构 减速器+电动机+端子箱
重量 3.5kg
减速比 3K-300K

■ 定速型 Optical axis type



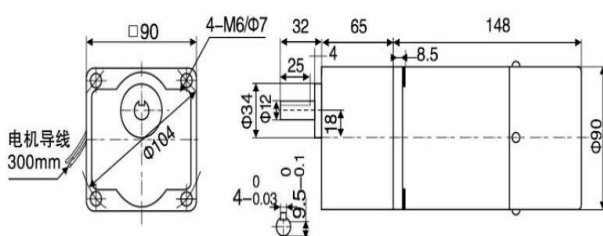
结构 减速器+电动机
重量 3.4kg
减速比 3K-300K

■ 调速型 Speed regulation type



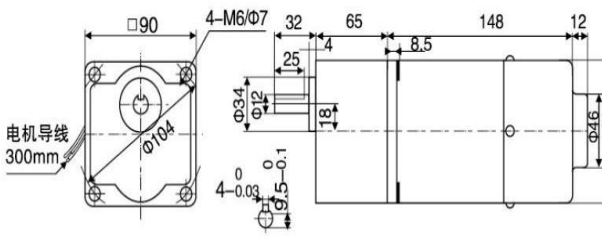
结构 减速器+电动机+调速器 (另加)
重量 3.5kg
减速比 3K-300K

■ 刹车定速型 Brake optical type



结构 减速器+电动机+刹车器
重量 3.7kg
减速比 3K-300K

■ 刹车调速型 Brake speed regulation type



结构 减速器+电动机+刹车器+调速器 (另加)
重量 3.8kg
减速比 3K-300K



电机技术参数 Motor Technical Parameters

	电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	电流 Current A	启动转矩 Starting Torque mN.m	额定转矩 Rated Torque mN.m	额定转速 Rated Speed r/min	额定时间 Rated Time min	电容 Capacitor μF/VAC
	圆轴电机 motor with round shaft	齿轮电机 motor with gear shaft									
感应电机 Induction motor	5IK60A-A	5IK60GU-A	60	1PH110 (单相)	50 60	0.92 0.84	400 335	440 365	1400 1500	连续 Continuous	14/250
	5IK60A-C	5IK60GU-C	60	1PH220 (单相)	50 60	0.48 0.43	400 335	440 365	1400 1500	连续 Continuous	4.0/450
	5IK60A-S	5IK60GU-S	60	3PH220 (三相)	50 60	0.50 0.45	1100 920	440 365	1400 1500	连续 Continuous	
	5IK60A-U	5IK60GU-U	60	3PH380 (三相)	50 60	0.30 0.27	1100 920	440 365	1400 1500	连续 Continuous	
可逆电机 Reversible motor	5RK60A-A	5RK60GU-A	60	1PH110 (单相)	50 60	1.00 0.91	420 350	460 385	1400 1500	30	15/250
	5RK60A-C	5RK60GU-C	60	1PH220 (单相)	50 60	0.54 0.49	420 350	460 385	1400 1500	30	4.0/450
刹车电机 Brake motor	5IK60A-AM	5IK60GU-AM	60	1PH110 (单相)	50 60	1.00 0.91	420 350	440 365	1400 1500	30	15/250
	5IK60A-CM	5IK60GU-CM	60	1PH220 (单相)	50 60	0.54 0.49	420 350	440 365	1400 1500	30	4.0/450
	5IK60A-SM	5IK60GU-SM	60	3PH220 (三相)	50 60	0.50 0.45	1100 920	460 385	1400 1500	30	
	5IK60A-UM	5IK60GU-UM	60	3PH380 (三相)	50 60	0.30 0.27	1100 920	460 385	1400 1500	30	
	电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	启动转矩 Starting Torque mN.m	调速范围 Speed Control Range r/min	额定转矩 Rated Torque mN.m		额定时间 Rated Time min	电容 Capacitor μF/VAC
	圆轴电机 motor with round shaft	齿轮电机 motor with gear shaft						1250r/min	90r/min		
调速电机 Variable speed	5IK60RA-A	5IK60RGU-A	60	1PH110 (单相)	50 60	400 335	90-1350 90-1450	460 460	140 140	连续 Continuous	14/250
	5IK60RA-C	5IK60RGU-C	60	1PH220 (单相)	50 60	400 335	90-1350 90-1450	460 460	140 140	连续 Continuous	4.0/450

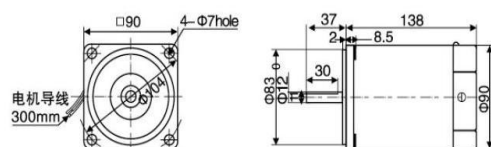
减速电机容许转矩 Reduction Motor Max Allowable Torque

减速比 Reduction ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
50Hz	转速 r/min	470	390	280	233	186	155	140	112	93	78	70	56	48	38	35	28	23	18	15	14	11	9	8	7	6	5
	转矩 Nm	1.1	1.4	1.9	2.3	2.9	3.4	4.0	4.3	5.1	6.2	7.2	7.8	9.3	11.2	13.1	15.5	18.6	20	20	20	20	20	20	20	20	20
	转矩 Kg/cm	11.2	14.2	19.3	23.4	29.6	34.7	39.2	43.8	52	63.3	73.4	79.6	94.9	114	133.6	158	190	200	200	200	200	200	200	200	200	200
60Hz	转速 r/min	500	417	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5
	转矩 Nm	0.92	1.1	1.5	1.8	2.3	2.8	3.3	3.5	4.2	5.0	5.87	6.3	7.5	7.6	10.6	12.5	15.0	18.8	20	20	20	20	20	20	20	20
	转矩 Kg/cm	9.38	11.2	15.3	18.3	23.4	28.5	32.5	35.7	42.9	51	59.8	64.3	76.5	77.5	108	128	154	192	200	200	200	200	200	200	200	200

注意 使用电压和机型号不同 电容容量不一样 订货时请务必指明具体的型号

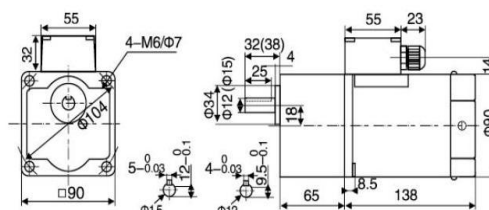
转速是以电动机的同步转速(50Hz:1400r/min、60Hz:1500r/min)为基准除以减速比而算出来的数值。实际转速将随负载大小变化而比所示数值减少2%~20%左右 希望以大于上表的减速比进行进一步减速时,可在电动机与减速器之间安装减速比为1:10的中间减速器。

■ 圆轴型 Circular shaft type



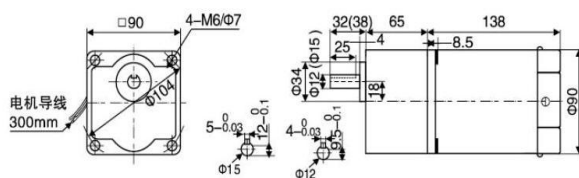
结构 电动机
重量 2.6 kg

■ 带端子箱型 With terminal box type



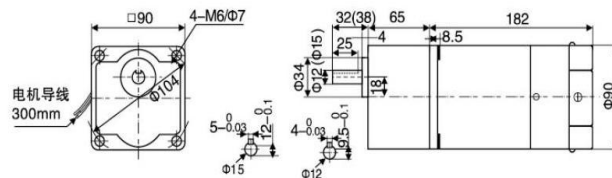
结构 减速器+电动机+端子箱
重量 3.9 kg
减速比 3K-300K

■ 定速型 Optical axis type



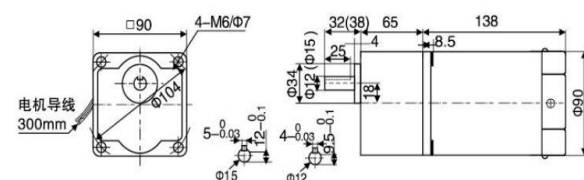
结构 减速器+电动机
重量 3.8 kg
减速比 3K-300K

■ 刹车定速型 Brake optical type



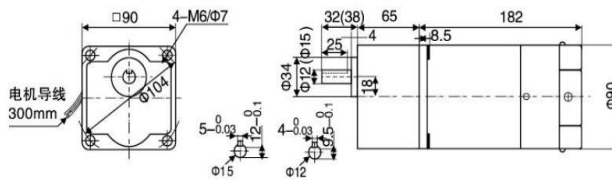
结构 减速器+电动机+刹车器
重量 4kg
减速比 3K-300K

■ 调速型 Speed regulation type



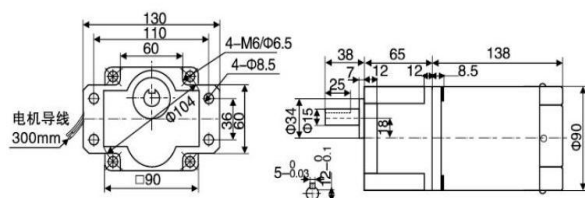
结构 减速器+电动机+调速器 (另加)
重量 3.9kg
减速比 3K-300K

■ 刹车调速型 Brake speed regulation type



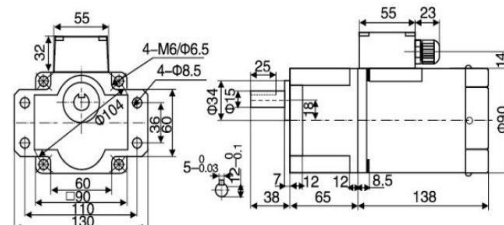
结构 减速器+电动机+刹车器+调速器 (另加)
重量 4.1kg
减速比 3K-300K

■ GS定速型 GS Optical axis type



结构 减速器+电动机+调速器 (另加)
重量 3.9kg
减速比 3K-300K

■ GS配接线盒型 GS With terminal box type



结构 减速器+电动机+端子箱
重量 4 kg
减速比 3K-300K



■ 电机技术参数 Motor Technical Parameters

	电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	电流 Current A	启动转矩 Starting Torque mN.m	额定转矩 Rated Torque mN.m	额定转速 Rated Speed r/min	额定时间 Rated Time min	电容 Capacitor μF/VAC
	圆轴电机 motor with round shaft	齿轴电机 motor with gear shaft									
感应电机 Induction motor	5IK90/120A-A	5IK90/120GU-A	90/120	1PH110 (单相)	50	1.70	630	890	1400	连续 Continuous	24/250
					60	1.53	525	750	1500		
	5IK90/120A-C	5IK90/120GU-C	90/120	1PH220 (单相)	50	0.80	630	890	1400	连续 Continuous	6.0/450
					60	0.72	525	750	1500		
	5IK90/120A-S	5IK90/120GU-S	90/120	3PH220 (三相)	50	0.59	1950	900	1400	连续 Continuous	
					60	0.53	1625	780	1500		
可逆电机 Reversible motor	5RK90/120A-A	5RK90/120GU-A	90/120	1PH110 (单相)	50	1.81	700	900	1400	30	30/250
					60	1.63	590	780	1500		
	5RK90/120A-C	5RK90/120GU-C	90/120	1PH220 (单相)	50	0.95	700	900	1400	30	8.0/450
					60	0.82	590	780	1500		
刹车电机 Brake motor	5IK90/120A-AM	5IK90/120GU-AM	90/120	1PH110 (单相)	50	1.81	700	900	1400	30	30/250
					60	1.63	590	780	1500		
	5IK90/120A-CM	5IK90/120GU-CM	90/120	1PH220 (单相)	50	0.95	700	900	1400	30	8.0/450
					60	0.82	590	780	1500		
	5IK90/120A-SM	5IK90/120GU-SM	90/120	3PH220 (三相)	50	0.62	1950	900	1400	30	
					60	0.54	1650	780	1500		
	5IK90/120A-UM	5IK90/120GU-UM	90/120	3PH380 (三相)	50	0.38	1900	900	1400	30	
					60	0.32	1650	780	1500		

	电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	启动转矩 Starting Torque mN.m	调速范围 Speed Control Range r/min	额定转矩 Rated Torque mN.m		额定时间 Rated Time min	电容 Capacitor μF/VAC
	圆轴电机 motor with round shaft	齿轴电机 motor with gear shaft						1250r/min	90r/min		
调速电机 Variable speed motor	5IK90/120RA-A	5IK90/120RGU-A	90/120	1PH110 (单相)	50	630	90-1350	920	315	连续 Continuous	24/250
					60	525	90-1450	920	315		
	5IK90/120RA-C	5IK90/120RGU-C	90/120	1PH220 (单相)	50	630	90-1350	920	315	连续 Continuous	6.0/450
					60	525	90-1450	920	315		
					50	630	90-1350	920	315		
					60	525	90-1450	920	315		

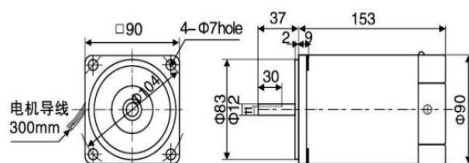
■ 减速电机容许转矩 Reduction Motor Max Allowable Torque

减速比 Reduction ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
50Hz	转速 r/min	470	390	280	233	186	155	140	112	93	78	70	56	48	38	35	28	23	18	15	14	11	9	8	7	6	5
	转矩 N.m	90W	1.55	1.86	2.58	3.11	3.87	4.65	5.16	6.45	7.75	9.3	10.3	12.8	15.5	18.6	20	20	20	20	20	20	20	20	20	20	20
		120W	2.00	2.40	3.33	4.00	5.00	6.00	6.66	8.33	10.0	12.0	13.3	16.6	20	20	20	20	20	20	20	20	20	20	20	20	20
	转矩 kgf.cm	90W	15.5	18.6	25.8	31	38.7	46.5	51.6	64.5	77.5	93	103	128	155	186	200	200	200	200	200	200	200	200	200	200	200
		120W	20	24	33.3	40	50	60	66.6	83.3	100	120	133	166	200	200	200	200	200	200	200	200	200	200	200	200	200
	转矩 kgf.cm	120W	20	24	33.3	40	50	60	66.6	83.3	100	120	133	166	200	200	200	200	200	200	200	200	200	200	200	200	200
60Hz	转速 r/min	500	417	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5
	转矩 N.m	90W	1.29	1.55	2.15	2.58	3.22	3.87	4.3	5.3	6.45	7.74	8.6	10.7	12.9	15.4	17.2	20	20	20	20	20	20	20	20	20	20
		120W	1.66	2.00	2.77	3.32	4.15	4.98	5.53	6.91	8.30	9.96	11.1	13.8	16.6	20	20	20	20	20	20	20	20	20	20	20	20
	转矩 kgf.cm	90W	12.9	15.5	21.5	25.8	32.2	38.7	43	53	64.5	77.4	86	107	129	154	172	200	200	200	200	200	200	200	200	200	200
		120W	16.6	20	27.7	33.2	41.5	49.8	55.3	69.1	83	99.6	111	138	166	200	200	200	200	200	200	200	200	200	200	200	200
	转矩 kgf.cm	120W	16.6	20	27.7	33.2	41.5	49.8	55.3	69.1	83	99.6	111	138	166	200	200	200	200	200	200	200	200	200	200	200	200

▲ 注意 使用电压和机型号不同 电容容量不一样 订货时请务必指明具体的型号

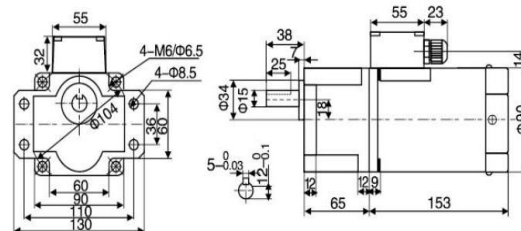
转速是以电动机的同步转速(50Hz:1400r/min、60Hz:1500r/min)为基准除以减速比而算出来的数值。实际转速将随负载大小变化而比所示数值减少2%-20%左右
希望以大于上表的减速比进行进一步减速时,可在电动机与减速器之间安装减速比为1:10的中间减速器。

■ 圆轴型 Circular shaft type



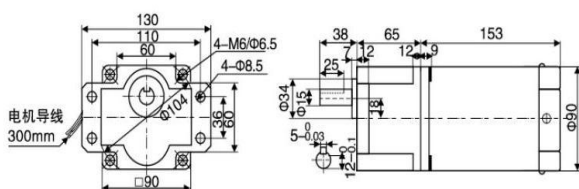
结构 电动机
重量 3.1 kg

■ 带端子箱型 With terminal box type



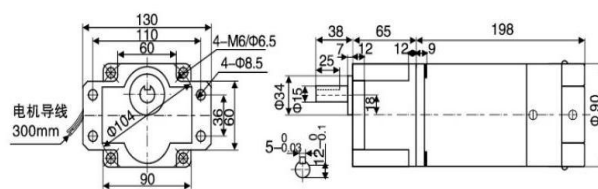
结构 减速器+电动机+端子箱
重量 4.5 kg
减速比 3K-300K

■ 定速型 Optical axis type



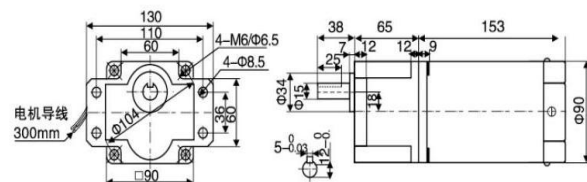
结构 减速器+电动机
重量 4.4 kg
减速比 3K-300K

■ 刹车定速型 Brake optical type



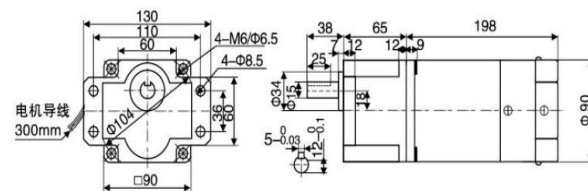
结构 减速器+电动机+刹车器
重量 4.9 kg
减速比 3K-300K

■ 调速型 Speed regulation type



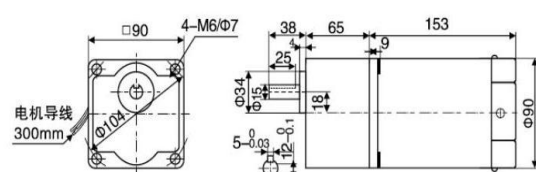
结构 减速器+电动机+调速器 (另加)
重量 4.5 kg
减速比 3K-300K

■ 刹车调速型 Brake speed regulation type



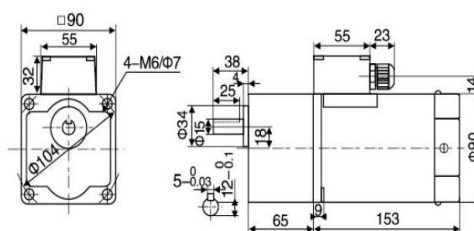
结构 减速器+电动机+刹车器+调速器 (另加)
重量 4.9 kg
减速比 3K-300K

■ GK 定速型 GK Optical axis type



结构 减速器+电动机
重量 4.3 kg
减速比 3K-300K

■ GK配接线盒型 GK With terminal box type



结构 减速器+电动机+端子箱
重量 4.3 kg
减速比 3K-300K



电机技术参数 Motor Technical Parameters

	电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	电流 Current A	启动转矩 Starting Torque mN.m	额定转矩 Rated Torque mN.m	额定转速 Rated Speed r/min	额定时间 Rated Time min	电容 Capacitor μF/VAC
	圆轴电机 motor with round shaft	齿轴电机 motor with gear shaft									
感应电机 Induction motor	5IK140A-A	5IK140GU-A	140	1PH110 (单相)	50	2.0	900	990	1400	连续 Continuous	32/250
					60	1.77	755	825	1500		
	5IK140A-C	5IK140GU-C	140	1PH220 (单相)	50	1.13	900	990	1400	连续 Continuous	8.0/450
					60	1.0	755	825	1500		
	5IK140A-S	5IK140GU-S	140	3PH220 (三相)	50	0.95	2500	990	1400	连续 Continuous	
					60	0.84	2100	825	1500		
	5IK140A-U	5IK140GU-U	140	3PH380 (三相)	50	0.55	2500	990	1400	连续 Continuous	
					60	0.48	2100	825	1500		
可逆电机 Reversible motor	5RK140A-A	5RK140GU-A	140	1PH110 (单相)	50	2.05	900	990	1400	30	35/250
					60	1.80	755	825	1500		
	5RK140A-C	5RK140GU-C	140	1PH220 (单相)	50	1.18	900	990	1400	30	10/450
					60	0.85	755	825	1500		
刹车电机 Brake motor	5IK140A-AM	5IK140GU-AM	140	1PH110 (单相)	50	2.05	900	990	1400	30	35/250
					60	1.80	755	825	1500		
	5IK140A-CM	5IK140GU-CM	140	1PH220 (单相)	50	1.18	900	990	1400	30	10/450
					60	0.85	755	825	1500		
	5IK140A-SM	5IK140GU-SM	140	3PH220 (三相)	50	0.98	2500	990	1400	30	
					60	0.87	2100	825	1500		
	5IK120A-UM	5IK120GU-UM	140	3PH380 (三相)	50	0.58	2500	990	1400	30	
					60	0.51	2100	825	1500		

	电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	启动转矩 Starting Torque mN.m	调速范围 Speed Control Range r/min	额定转矩 Rated Torque mN.m		额定时间 Rated Time min	电容 Capacitor μF/VAC
	圆轴电机 motor with round shaft	齿轴电机 motor with gear shaft						1250r/min	90r/min		
调速电机 Variable speed motor	5IK140RA-A	5IK140RGU-A	140	1PH110 (单相)	50	900	90-1350	980	360	连续 Continuous	32/250
					60	755	90-1450	980	360		
	5IK140RA-C	5IK140RGU-C	140	1PH220 (单相)	50	900	90-1350	980	360	连续 Continuous	8/450
					60	755	90-1450	980	360		

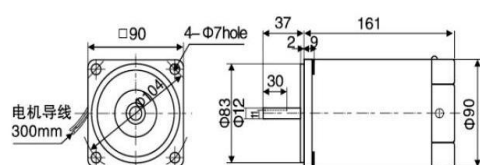
减速电机容许转矩 Reduction Motor Max Allowable Torque

减速比 Reduction ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
50Hz	转速 r/min	470	390	280	233	186	155	140	112	93	78	70	56	48	38	35	28	23	18	15	14	11	9	8	7	6	5
	转矩 Nm	2.35	2.82	3.93	4.71	5.89	7.07	7.85	8.85	10.6	12.7	14.1	17.6	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	转矩 Kg/cm	23.5	28.2	39.3	47.1	58.9	70.7	78.5	88.5	106	127	141	176	200	200	200	200	200	200	200	200	200	200	200	200	200	200
60Hz	转速 r/min	500	417	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5
	转矩 Nm	1.96	2.35	3.28	3.92	4.91	5.89	6.54	7.37	8.83	10.5	12.6	14.7	17.6	20	20	20	20	20	20	20	20	20	20	20	20	20
	转矩 Kg/cm	19.6	23.5	32.8	39.2	49.1	58.9	65.4	73.7	88.3	105	126	147	176	200	200	200	200	200	200	200	200	200	200	200	200	200

注意 使用电压和机型不同 电容容量不一样 订货时请务必指明具体的型号

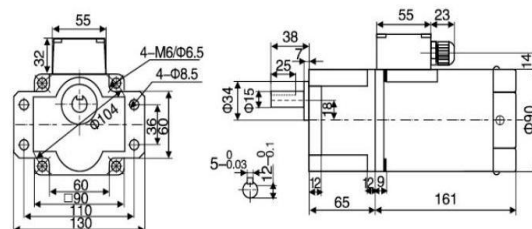
转速是以电动机的同步转速(50Hz:1400r/min、60Hz:1500r/min)为基准除以减速比而算出来的数值。实际转速将随负载大小变化而比所示数值减少2%~20%左右 希望以大于上表的减速比进行进一步减速时,可在电动机与减速器之间安装减速比为1:10的中间减速器。

■ 圆轴型 Circular shaft type



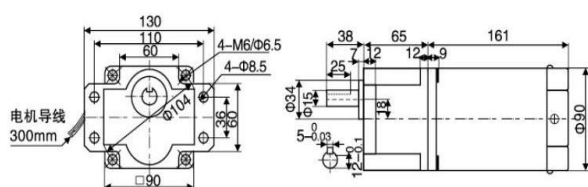
结构 电动机
重量 3.1 kg

■ 带端子箱型 With terminal box type



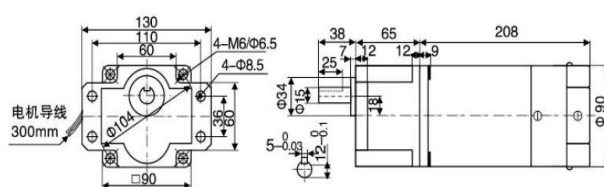
结构 减速器+电动机+端子箱
重量 4.5 kg
减速比 3K-300K

■ 定速型 Optical axis type



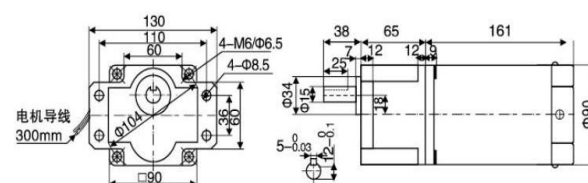
结构 减速器+电动机
重量 4.4 kg
减速比 3K-300K

■ 刹车定速型 Brake optical type



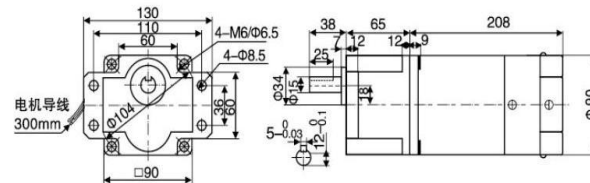
结构 减速器+电动机+刹车器
重量 4.9 kg
减速比 3K-300K

■ 调速型 Speed regulation type



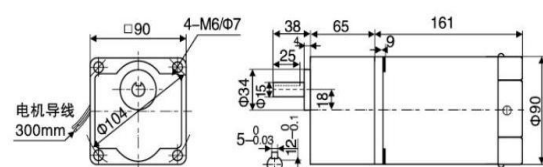
结构 减速器+电动机+调速器 (另加)
重量 4.5 kg
减速比 3K-300K

■ 刹车调速型 Brake speed regulation type



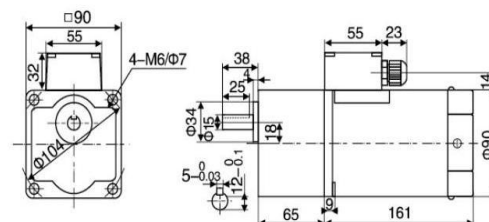
结构 减速器+电动机+刹车器+调速器 (另加)
重量 4.9 kg
减速比 3K-300K

■ GK 定速型 GK Optical axis type



结构 减速器+电动机
重量 4.3 kg
减速比 3K-300K

■ GK 配接线盒型 GK With terminal box type



结构 减速器+电动机+端子箱
重量 4.3 kg
减速比 3K-300K



电机技术参数 Motor Technical Parameters

电动机主要参数 Motor Main Parameters											
	电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	电流 Current A	启动转矩 Starting Torque mN.m	额定转矩 Rated Torque mN.m	额定转速 Rated Speed r/min	额定时间 Rated Time min	电容 Capacitor μF/VAC
	圆轴电机 motor with round shaft	齿轮电机 motor with gear shaft									
感应电机 Induction motor	5IK180A-A	5IK180GU-A	180	1PH110 (单相)	50	3.6	1100	1420	1400	15	40/250
					60	3.0	920	1180	1500		
	5IK180A-C	5IK180GU-C	180	1PH220 (单相)	50	1.98	1100	1420	1400	15	10/450
					60	1.82	9200	1180	1500		
	5IK180A-S	5IK180GU-S	180	3PH220 (三相)	50	1.75	3410	1420	1400	15	
					60	1.62	2830	1180	1500		
	5IK180A-U	5IK180GU-U	180	3PH380 (三相)	50	1.13	3410	1420	1400	15	
					60	1.08	2830	1180	1500		
可逆电机 Reversible motor	5RK180A-A	5RK180GU-A	180	1PH110 (单相)	50	2.05	1100	1420	1400	15	
					60	1.80	920	1180	1500		
	5RK180A-C	5RK180GU-C	180	1PH220 (单相)	50	1.18	1100	1420	1400	15	
					60	0.85	920	1180	1500		
刹车电机 Brake motor	5IK180A-AM	5IK180GU-AM	180	1PH110 (单相)	50	3.70	1100	1420	1400	15	48/250
					60	3.11	920	1180	1500		
	5IK180A-CM	5IK180GU-CM	180	1PH220 (单相)	50	2.06	1100	1420	1400	15	12/450
					60	1.90	920	1180	1500		
	5IK180A-SM	5IK180GU-SM	180	3PH220 (三相)	50	1.81	3410	1420	1400	15	
					60	1.68	2830	1180	1500		
	5IK180A-UM	5IK180GU-UM	180	3PH380 (三相)	50	1.21	3410	1420	1400	15	
					60	1.14	2830	1180	1500		
	电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	启动转矩 Starting Torque mN.m	调速范围 Speed Control Range r/min	额定转矩 Rated Torque mN.m		额定时间 Rated Time min	电容 Capacitor μF/VAC
	圆轴电机 motor with round shaft	齿轮电机 motor with gear shaft						1250r/min	90r/min		
调速电机 Variable speed	5IK180RA-A	5IK180RGU-A	180	1PH110 (单相)	50	950	90-1350	1100	400	15	40/250
					60	800	90-1450	1100	400		
	5IK180RA-C	5IK180RGU-C	180	1PH220 (单相)	50	950	90-1350	1100	400	15	10/450
					60	800	90-1450	1100	400		

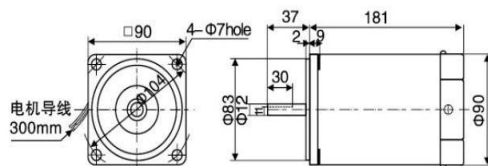
减速电机容许转矩 Reduction Motor Max Allowable Torque

减速比 Reduction ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
50Hz	转速 r/min	470	390	280	233	186	155	140	112	93	78	70	56	48	38	35	28	23	18	15	14	11	9	8	7	6	5
	转矩 Nm	2.85	3.42	4.75	5.70	7.12	8.55	9.50	11.8	14.2	17.1	19.0	23.7	28.5	34.2	38	44	44	44	44	44	44	44	44	44	44	44
	转矩 Kg/cm	28.5	34.2	47.5	57	71.2	85.5	95	118	142	171	190	237	285	342	380	440	440	440	440	440	440	440	440	440	440	440
60Hz	转速 r/min	500	417	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5
	转矩 Nm	2.38	2.85	3.95	4.75	5.93	7.12	7.91	9.89	11.8	14.2	15.8	19.8	23.8	28.5	31.7	39.6	44	44	44	44	44	44	44	44	44	44
	转矩 Kg/cm	23.8	28.5	39.5	47.5	59.3	71.2	79.1	98.9	118	142	158	198	238	285	317	396	440	440	440	440	440	440	440	440	440	440

注意 使用电压和机型不同 电容容量不一样 订货时请务必指明具体的型号

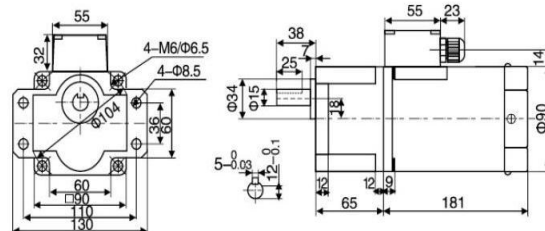
转速是以电动机的同步转速(50Hz:1400r/min、60Hz:1500r/min)为基准除以减速比而算出来的数值。实际转速将随负载大小变化而比所示数值减少2%-20%左右
希望以大于上表的减速比进行进一步减速时,可在电动机与减速器之间安装减速比为1:10的中间减速器。

■ 圆轴型 Circular shaft type



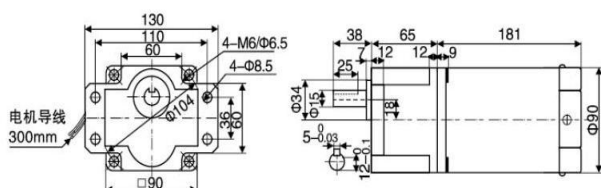
结构 电动机
重量 4.1 kg

■ 带端子箱型 With terminal box type



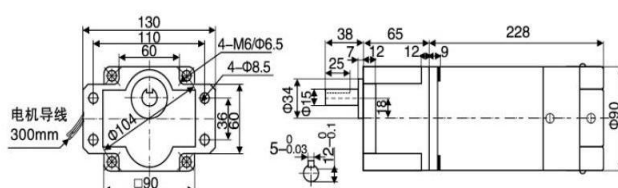
结构 减速器+电动机+端子箱
重量 5.5 kg
减速比 3K-300K

■ 定速型 Optical axis type



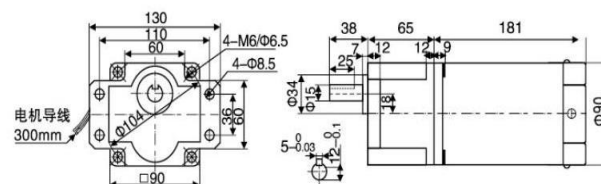
结构 减速器+电动机
重量 5.4 kg
减速比 3K-300K

■ 刹车定速型 Brake optical type



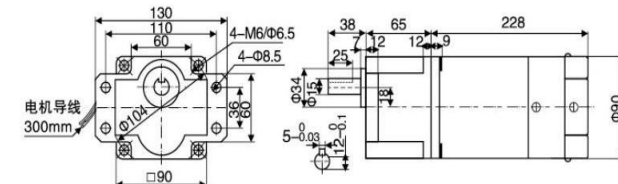
结构 减速器+电动机+刹车器
重量 5.9 kg
减速比 3K-300K

■ 调速型 Speed regulation type



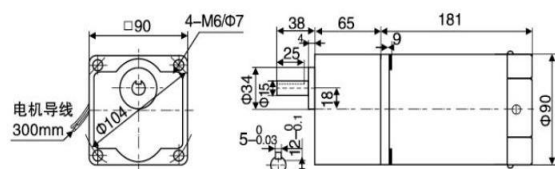
结构 减速器+电动机+调速器 (另加)
重量 5.5 kg
减速比 3K-300K

■ 刹车调速型 Brake speed regulation type



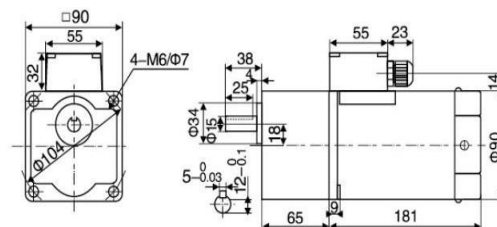
结构 减速器+电动机+刹车器+调速器 (另加)
重量 5.9 kg
减速比 3K-300K

■ GK 定速型 GK Optical axis type



结构 减速器+电动机
重量 5.3 kg
减速比 3K-300K

■ GK 配接线盒型 GK With terminal box type



结构 减速器+电动机+端子箱
重量 5.3 kg
减速比 3K-300K



电机技术参数 Motor Technical Parameters

电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	电流 Current A	启动转矩 Starting Torque Nm. m	额定转矩 Rated Torque Nm. m	额定转速 Rated Speed r/min	额定时间 Rated Time min	电容 Capacitor μF/VAC	
圆轴电机 motor with round shaft	齿轮电机 motor with gear shaft										
感应电机 Induction motor	6IK180/250A-A	6IK180/250GU-A	180/250	1PH110 (单相)	50	3.05	1.10	1.32	1400	连续 Continuous	40/250
				60	2.72	0.92	1.10	1500			
	6IK180/250A-C	6IK180/250GU-C	180/250	1PH220 (单相)	50	1.40	1.10	1.32	1400	连续 Continuous	10/450
				60	1.21	0.92	1.10	1500			
	6IK180/250A-S	6IK180/250GU-S	180/250	3PH220 (三相)	50	1.08	3.41	1.32	1400	连续 Continuous	
				60	0.92	2.83	1.10	1500			
	6IK180/250A-U	6IK180/250GU-U	180/250	3PH380 (三相)	50	0.61	3.41	1.32	1400	连续 Continuous	
				60	0.51	2.83	1.10	1500			
刹车电机 Brake motor	6IK180/250A-AM	6IK180/250GU-AM	180/250	1PH110 (单相)	50	3.15	1.10	1.35	1400	30	48/250
				60	2.82	0.92	1.15	1500			
	6IK180/250A-CM	6IK180/250GU-CM	180/250	1PH220 (单相)	50	1.45	1.10	1.35	1400	30	12/450
				60	1.28	0.92	1.15	1500			
	6IK180/250A-SM	6IK180/250GU-SM	180/250	3PH220 (三相)	50	1.11	3.41	1.35	1400	30	
				60	0.92	2.83	1.15	1500			
	6IK180/250A-UM	6IK180/250GU-UM	180/250	3PH380 (三相)	50	0.65	3.41	1.35	1400	30	
				60	0.59	2.83	1.15	1500			

电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	启动转矩 Starting Torque Nm. m	调速范围 Speed Control Range r/min	额定转矩 Rated Torque mN. m		额定时间 Rated Time min	电容 Capacitor μF/VAC	
圆轴电机 motor with round shaft	齿轮电机 motor with gear shaft						1250r/min	90r/min			
调速电机 Variable speed	6IK180/250RA-A	6IK180/250RGU-A	180/250	1PH110 (单相)	50	1.02	90-1350	1.31	0.45	连续 Continuous	40/250
				60	0.85	90-1450	1.31	0.45			
	6IK180/250RA-C	6IK180/250RGU-C	180/250	1PH220 (单相)	50	1.02	90-1350	1.31	0.45	连续 Continuous	10/450
				60	0.85	90-1450	1.31	0.45			

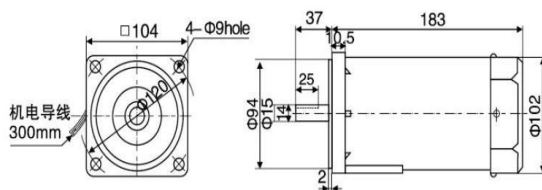
减速电机容许转矩 Reduction Motor Max Allowable Torque

减速比 Reduction ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
50Hz	转速 r/min	470	390	280	233	186	155	140	112	93	78	70	56	48	38	35	28	23	18	15	14	11	9	8	7	6	5
	转矩 N.m	2.85	3.42	4.75	5.7	7.12	8.55	9.5	11.8	14.2	17.1	19.0	23.7	28.5	34.2	38	44	44	44	44	44	44	44	44	44	44	44
	180W	3.01	3.61	5.01	6.02	7.52	9.03	10.0	12.5	15	18	20	25.1	30.1	36	40.1	44	44	44	44	44	44	44	44	44	44	44
	250W	28.5	34.2	47.5	57	71.2	85.5	95	118	142	171	190	237	285	342	380	440	440	440	440	440	440	440	440	440	440	440
	180W	30.1	36.1	50.1	60.2	75.2	90.3	100	125	150	180	200	251	301	360	401	440	440	440	440	440	440	440	440	440	440	200
	250W	25	30.1	41.8	50.1	62.7	75.2	83.6	104	125	150	167	209	250	301	334	418	440	440	440	440	440	440	440	440	440	440
60Hz	转速 r/min	500	417	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5
	转矩 N.m	2.38	2.85	3.95	4.75	5.93	7.12	7.91	9.89	11.8	14.2	15.8	19.8	23.8	28.5	31.7	39.6	44	44	44	44	44	44	44	44	44	44
	180W	2.5	3.01	4.18	5.01	6.27	7.52	8.36	10.4	12.5	15	16.7	20.9	25	30.1	33.4	41.8	44	44	44	44	44	44	44	44	44	44
	250W	23.8	28.5	39.5	47.5	59.3	71.2	79.1	98.9	118	142	158	198	238	285	317	396	440	440	440	440	440	440	440	440	440	440
	180W	25	30.1	41.8	50.1	62.7	75.2	83.6	104	125	150	167	209	250	301	334	418	440	440	440	440	440	440	440	440	440	440
	250W	25	30.1	41.8	50.1	62.7	75.2	83.6	104	125	150	167	209	250	301	334	418	440	440	440	440	440	440	440	440	440	440

注意 使用电压和机型号不同 电容容量不一样 订货时请务必指明具体的型号

转速是以电动机的同步转速(50Hz:1400r/min、60Hz:1500r/min)为基准除以减速比而算出来的数值。实际转速将随负载大小变化而比所示数值减少2%-20%左右
希望以大于上表的减速比进行进一步减速时,可在电动机与减速器之间安装减速比为1:10的中间减速器。

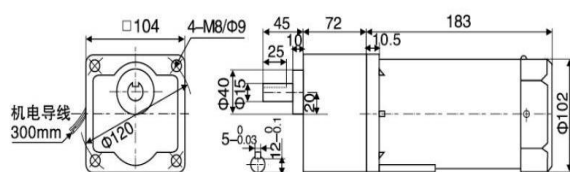
■ 圆轴型 Circular shaft type



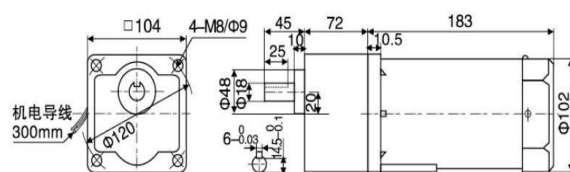
结构 电动机
重量 5.5 kg

■ 定速型 Optical axis type

轴径 15 mm



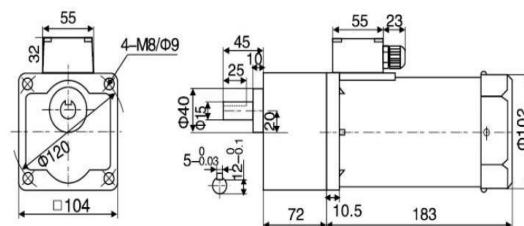
轴径 18 mm



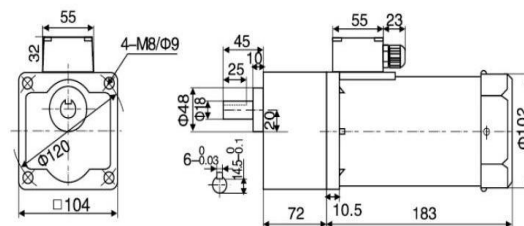
结构 减速器+电动机
重量 7.5 kg
减速比 3K-250K

■ 带端子箱型 With terminal box type

轴径 15 mm



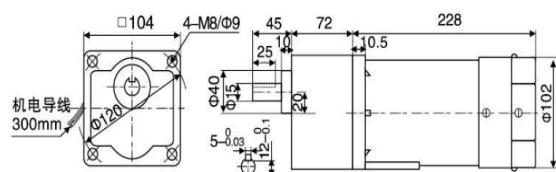
轴径 18 mm



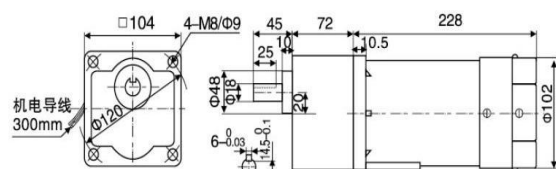
结构 减速器+电动机+端子箱
重量 7.7 kg
减速比 3K-250K

■ 刹车定速型 Brake optical type

轴径 15 mm



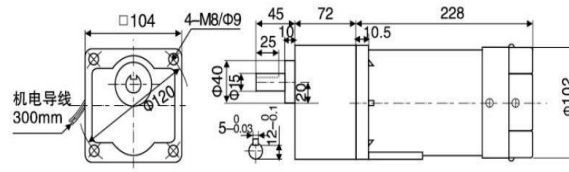
轴径 18 mm



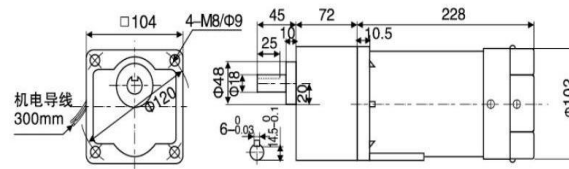
结构 减速器+电动机+刹车器
重量 8 kg
减速比 3K-250K

■ 刹车调速型 Brake speed regulation type

轴径 15 mm



轴径 18 mm



结构 减速器+电动机+刹车器+调速器 (另加)
重量 8.1 kg
减速比 3K-250K



电机技术参数 Motor Technical Parameters

	电机型号		功率	电压	频率	电流	启动转矩	额定转矩	额定转速	额定时间	电容
	圆轴电机 motor with round shaft	齿轴电机 motor with gear shaft	Power W	Voltage V	Frequency Hz	Current A	Starting Torque N.M	Rated Torque N.M	Rated Speed r/min	Rated Time min	Capacitor uF/VAC
感应电机 induction motor	6IK370A-AF	6IK370GU-AF	370	1PH110	50	5.84	3.403	2.617	1400	连续	50/250
				单相	60	5.84	2.734	2.103	1500		
	6IK370A-CF	6IK370GU-CF	370	1PH220	50	2.92	3.403	2.617	1400	连续	15/450
				单相	60	2.92	2.734	2.103	1500		
	6IK370A-SF	6IK370GU-SF	370	3PH220	50	1.97	4.450	2.617	1400	连续	
				三相	60	1.97	3.576	2.103	1500		
	6IK370A-UF	6IK370GU-UF	370	3PH380	50	1.14	4.450	2.617	1400	连续	
				三相	60	1.14	3.576	2.103	1500		
可逆电机 Reversible motor	6RK370A-AF	6RK370GU-AF	370	1PH110	50	5.84	3.403	2.617	1400	30	50/250
				单相	60	5.84	2.734	2.103	1500		
	6RK370A-CF	6RK370GU-CF	370	1PH220	50	2.92	3.403	2.617	1400	30	15/450
				单相	60	2.92	2.734	2.103	1500		
刹车电机 brake motor	6IK370A-AFM	6IK370GU-AFM	370	1PH110	50	5.84	3.403	2.617	1400	30	50/250
				单相	60	5.84	2.734	2.103	1500		
	6IK370A-CFM	6IK370GU-CFM	370	1PH220	50	2.92	3.403	2.617	1400	30	15/450
				单相	60	2.92	2.734	2.103	1500		
	6IK370A-SFM	6IK370GU-SFM	370	3PH220	50	1.97	4.450	2.617	1400	连续	
				三相	60	1.97	3.576	2.103	1500		
	6IK370A-UFM	6IK370GU-UFM	370	3PH380	50	1.14	4.450	2.617	1400	连续	
				三相	60	1.14	3.576	2.103	1500		

	电机型号		功率	电压	频率	调速范围	启动转矩	额定转矩 Rated Torque		额定时间	电容
	圆轴电机	齿轴电机	Power	Voltage	Frequency	Speed Control Range	Starting Torque	N.M		Rated Time	Capacitor
	motor with round shaft	motor with gear shaft	W	V	Hz	r/min	N.M	90r/min	1350r/min	min	uF/VAC
调速电机 variable motor	6IK370RA-AF	6IK370RGU-AF	370	1PH110	50	90~1400	51.04	39.26	2.62	连续	50/250
				单相	60	90~1400	51.04	39.26	2.10		
	6IK370RA-CF	6IK370RGU-CF	370	1PH220	50	90~1400	51.04	39.26	2.62	连续	15/450
				单相	60	90~1400	51.04	39.26	2.10		

减速电机容许转矩（额定转矩） Reduction Motor Max Allowable Torque(the Rated Torque)

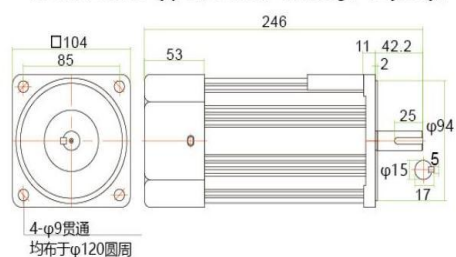
减速比	功率 KW	2	2.5	3	3.6	4	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
50Hz	转速 r/min	700	560	467	389	350	280	233	187	156	140	112	93	78	70	56	47	38.8	35	28	23.3	18.7	15.5	14	11.7	9.3	7.8	7	5.6	4.7
	转矩 N.M	4.71	5.89	7.07	8.48	9.42	11.8	14.1	17.7	21.2	23.6	26.2	31.4	37.7	41.9	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
60Hz	转速 r/min	840	672	560	467	420	336	280	224	187	168	134	112	93.3	84	67.2	56	46.7	42	33.6	28	22.4	18.7	16.8	14	11.2	9.33	8.4	6.72	5.6
	转矩 N.M	3.79	4.73	5.68	6.81	7.57	9.46	11.4	14.2	17	18.9	21	25.2	30.3	33.7	42.1	44	44	44	44	44	44	44	44	44	44	44	44	44	44

▲ 注意：使用电压和机型不同，电容量不一样，订货时请务必指明具体的型号。

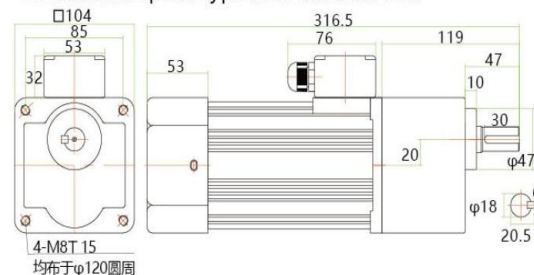
色与马达成反方向，其余则与马达同一方向回转。

转速是以电动机的异步转速(50Hz:1400r/min、60Hz:1680r/min)为基准除以减速比而算出来的数值。实际转速将随负载大小变化而有所变化。需要大于上表的减速比进行进一步减速时，可在电动机与减速器之间安装减速比为1:10的中间减速器。

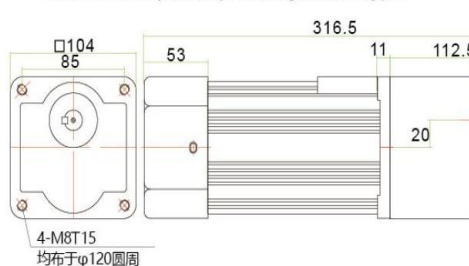
光轴型(圆轴、扁轴、键槽)
Round shaft type(round, milling, keyway)



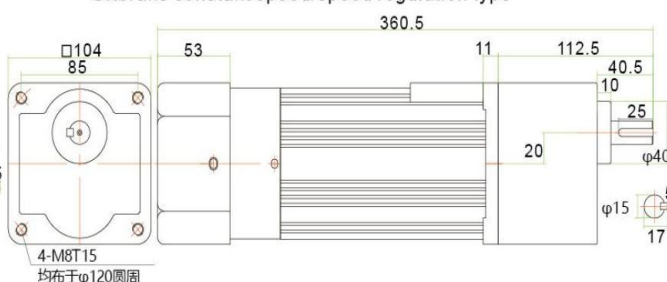
GK定速型带端子箱
GKConstant speed type with terminal box



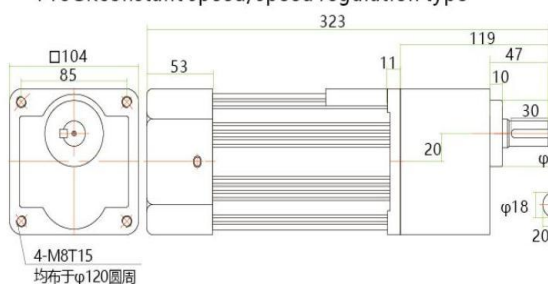
Φ15GK定/调速型
GKconstant speed/speed regulation type



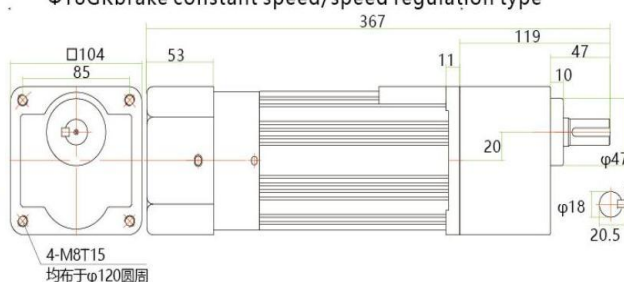
Φ15GK刹车定/调速型
GKbrake constant speed/speed regulation type



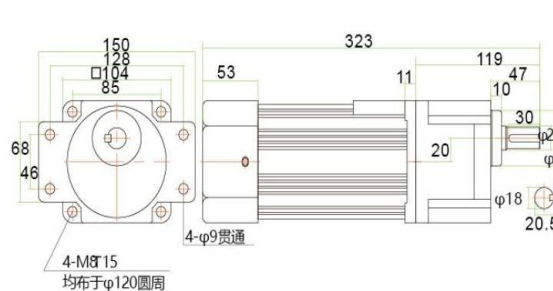
Φ18GK定/调速型
Φ18GKconstant speed/speed regulation type



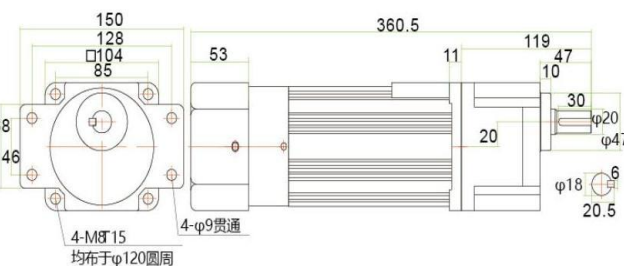
Φ18GK刹车定/调速型
Φ18GKbrake constant speed/speed regulation type



GS定/调速型
GS Constant speed/Speed regulation type



GS刹车定/调速型
GS Brake constant speed /speed regulation type

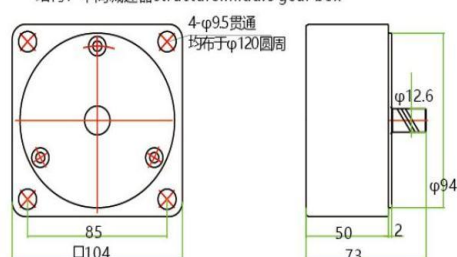


104型脚架
安装尺寸: 104mm type mounting bracket



6GU-10X

结构: 中间减速器structure:middle gear box





电机技术参数 Motor Technical Parameters

	电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	电流 Current A	启动转矩 Starting Torque mN.m	额定转矩 Rated Torque mN.m	额定转速 Rated Speed r/min	额定时间 Rated Time min	电容 Capacitor μF/VAC
	圆轴电机 motor with round shaft	齿轴电机 motor with gear shaft									
感应电机 Induction motor	71K400A-A	71K400A-A	400	1PH110 (单相)	50	9.828	3.679	2.830	1400	连续	50/250
					60	9.828	2.956	2.274	1500		
	71K400A-C	71K400A-C	400	1PH220 (单相)	50	4.914	3.679	2.830	1400	连续	16/450
					60	4.914	2.956	2.274	1500		
	71K400A-S	71K400A-S	400	3PH220 (三相)	50	6.175	4.810	2.830	1400	连续	
					60	6.175	3.865	2.274	1500		
可逆电机 Reversible motor	71K400A-U	71K400A-U	400	3PH380 (三相)	50	3.575	4.810	2.830	1400	连续	
					60	3.575	3.865	2.274	1500		
	7RK400A-A	7RK400A-A	400	1PH110 (单相)	50	9.828	3.679	2.830	1400	30	50/250
					60	9.828	2.956	2.274	1500		
	7RK400A-C	7RK400A-C	400	1PH220 (单相)	50	4.914	3.679	2.830	1400	30	16/450
					60	4.914	2.956	2.274	1500		
刹车电机 Brake motor	71K400A-AM	71K400A-AM	400	1PH110 (单相)	50	9.828	3.679	2.830	1400	30	50/250
					60	9.828	2.956	2.274	1500		
	71K400A-CM	71K400A-CM	400	1PH220 (单相)	50	4.914	3.679	2.830	1400	30	16/450
					60	4.914	2.956	2.274	1500		
	71K400A-SM	71K400A-SM	400	3PH220 (三相)	50	6.175	4.810	2.830	1400	连续	
					60	6.175	3.865	2.274	1500		
调速电机 Variable speed motor	71K400A-UM	71K400A-UM	400	3PH380 (三相)	50	3.575	4.810	2.830	1400	连续	
					60	3.575	3.865	2.274	1500		
	电机型号		功率 Power W	电压 Voltage V	频率 Frequency Hz	启动转矩 Starting Torque mN.m	调速范围 Speed Control Range r/min	额定转矩 Rated Torque mN.m		额定时间 Rated Time min	电容 Capacitor μF/VAC
	圆轴电机 motor with round shaft	齿轴电机 motor with gear shaft						1350r/min	90r/min		
调速电机 Variable speed motor	71K400A-A	71K400A-A	400	1PH110 (单相)	50	55.18	90-1400	2.83	42.44	连续	50/250
					60	55.18	90-1400	2.27	42.44		
	71K400A-C	71K400A-C	400	1PH220 (单相)	50	55.18	90-1400	2.83	42.44	连续	16/450
					60	55.18	90-1400	2.27	42.44		

减速电机容许转矩 Reduction Motor Max Allowable Torque

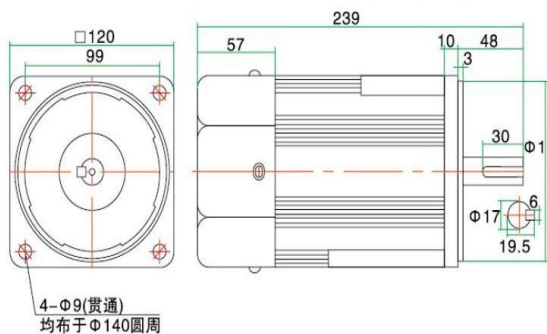
减速比 Reduction ratio		功率 (W)	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
50Hz	转速 r/min	400	470	390	280	233	186	155	140	112	93	78	70	56	48	38	35	28	23	18	15	14	11	9	8	7	6	5
	转矩 Kg/cm		8.5	10.2	14.1	17.0	21.2	25.5	28.3	35.4	42.4	50.9	56.2	70.7	84.9	100.5	112.4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60Hz	转速 r/min	400	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5
	转矩 Kg/cm		6.9	8.3	11.6	13.9	17.4	20.9	23.2	28.9	34.7	41.5	46.0	57.9	69.5	84.9	91.0	115.8	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0

注意 使用电压和机型不同 电容容量不一样 订货时请务必指明具体的型号

转速是以电动机的异步转速(50Hz:1350r/min、60Hz:1680r/min)为基准除以减速比而算出来的数值。实际转速将随负载大小变化而有所变化。
 希望以大于上表的减速比进行进一步减速时,可在电动机与减速器之间安装减速比为1:10的中间减速器。

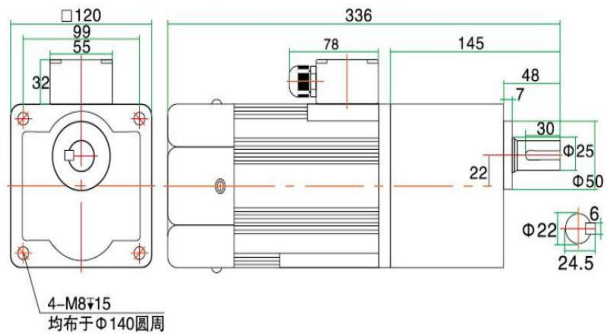
■ 光轴型(圆轴、扁轴、键槽)

Round shaft type(Round,milling,keyway)

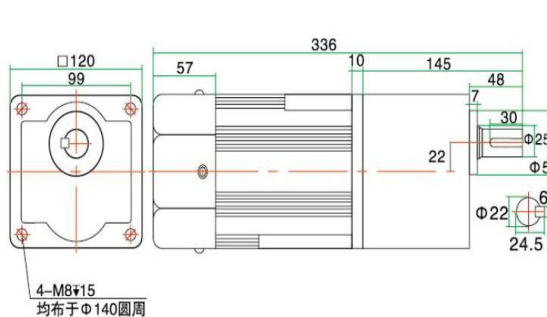


■ GK定/调速型带端子箱

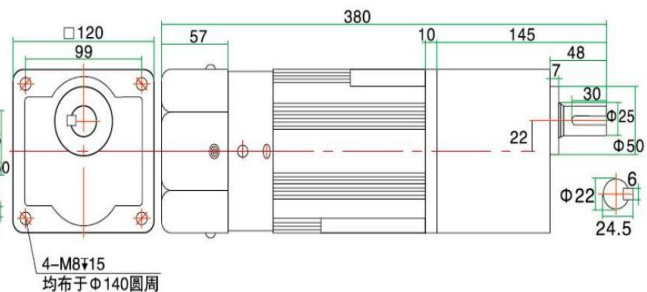
GKConstant speed/speed constant type with terminal box



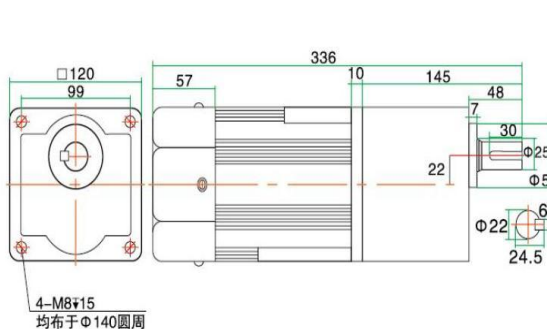
■ **GK定速型** GK Constant speed type



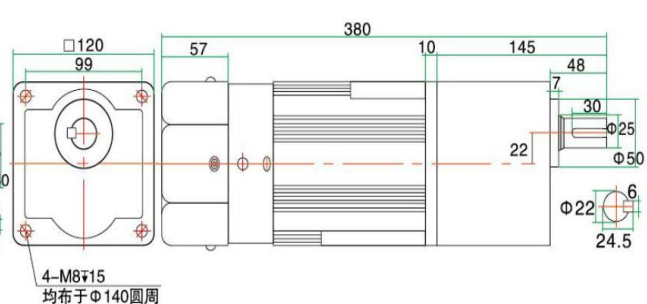
■ GK刹车定速型 GK Brake constant speed type



■ GK调速型GKSpeed regulation type

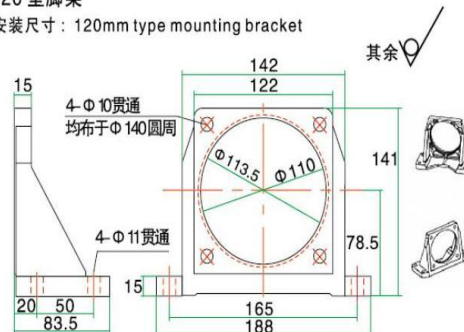


■ GK刹车调速型 GK Brake speed regulation type



120 型脚架

安裝尺寸：120mm type mounting bracket





■ 电机技术参数 Motor Technical Parameters

	电机型号		功率	电压	频率	电流	启动转矩	额定转矩	额定转速	额定时间	电容
	圆轴电机 motor with round shaft	齿轴电机 motor with gear shaft	Power W	Voltage V	Frequency Hz	Current A	Starting Torque N.M	Rated Torque N.M	Rated Speed r/min	Rated Time min	Capacitor uF/VAC
感应电机 induction motor	7IK750A-AF	7IK750GU-AF	750	1PH110	50	18.428	6.897	5.306	1400	连续	80/250
				单相	60	18.428	5.542	4.263	1500		
	7IK750A-CF	7IK750GU-CF	750	1PH220	50	9.214	6.897	5.306	1400	连续	25/450
				单相	60	9.214	5.542	4.263	1500		
	7IK750A-SF	7IK750GU-SF	750	3PH220	50	11.578	9.019	5.306	1400	连续	
				三相	60	11.578	7.248	4.263	1500		
	7IK750A-UF	7IK750GU-UF	750	3PH380	50	6.703	9.019	5.306	1400	连续	
				三相	60	6.703	7.248	4.263	1500		
可逆电机 Reversible motor	7RK750A-AF	7RK750GU-AF	750	1PH110	50	18.428	6.897	5.306	1400	30	80/250
				单相	60	18.428	5.542	4.263	1500		
	7RK750A-CF	7RK750GU-CF	750	1PH220	50	9.214	6.897	5.306	1400	30	25/450
				单相	60	9.214	5.542	4.263	1500		
刹车电机 brake motor	7IK750A-AFM	7IK750GU-AFM	750	1PH110	50	18.428	6.897	5.306	1400	30	80/250
				单相	60	18.428	5.542	4.263	1500		
	7IK750A-CFM	7IK750GU-CFM	750	1PH220	50	9.214	6.897	5.306	1400	30	25/450
				单相	60	9.214	5.542	4.263	1500		
	7IK750A-SFM	7IK750GU-SFM	750	3PH220	50	11.578	9.019	5.306	1400	连续	
				三相	60	11.578	7.248	4.263	1500		
	7IK750A-UFM	7IK750GU-UFM	750	3PH380	50	6.703	9.019	5.306	1400	连续	
				三相	60	6.703	7.248	4.263	1500		

	电机型号		功率	电压	频率	调速范围	启动转矩	额定转矩	Rated Torque	额定时间	电容
	圆轴电机 motor with round shaft	齿轴电机 motor with gear shaft	Power W	Voltage V	Frequency Hz	Speed Control Range r/min	Starting Torque N.M	90r/min N.M	1350r/min N.M	Rated Time min	Capacitor uF/VAC
调速电机 variable motor	7IK750RA-AF	7IK750RGU-AF	750	1PH110	50	90~1400	103.46	79.58	5.31	连续	80/250
				单相	60	90~1400	103.46	79.58	4.26		
	7IK750RA-CF	7IK750RGU-CF	750	1PH220	50	90~1400	103.46	79.58	5.31	连续	25/450
				单相	60	90~1400	103.46	79.58	4.26		

■ 减速电机容许转矩（额定转矩）Reduction Motor Max Allowable Torque(the Rated Torque)

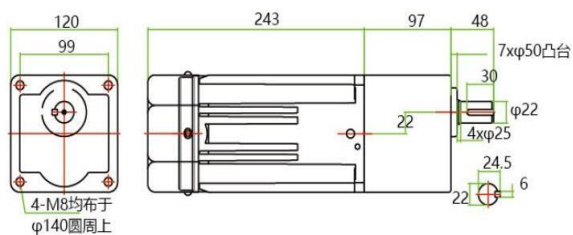
减速比	功率 KW	3	3.6	4	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
50Hz	转速 r/min	467	389	350	280	233	187	156	140	112	93	78	70	56	47	38.8	35	28	23.3	18.7	15.5	14	11.7	9.3	7.8	7	5.6	4.7
	转矩 N.M	13.7	164	18.3	22.8	27.4	34.2	41.1	45.6	57	68.4	82.1	91.3	114	120	120	120	120	120	120	120	120	120	120	120	120	120	120
60Hz	转速 r/min	560	467	420	336	280	224	187	168	134	112	93.3	84	67.2	56	46.7	42	33.6	28	22.4	18.7	16.8	14	11.2	9.33	8.4	6.72	5.6
	转矩 N.M	11	132	14.7	18.3	22	27.5	33	36.7	45.3	55	66	73.3	80	110	120	120	120	120	120	120	120	120	120	120	120	120	120

▲ 注意：使用电压和机型不同，电容量不一样，订货时请务必指明具体的型号。

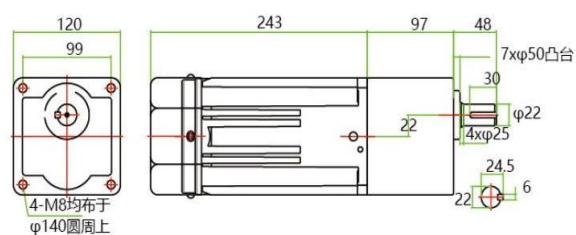
色与马达成反方向，其余则与马达同一方向回转。

转速是以电动机的异步转速(50Hz:1400r/min、60Hz:1680r/min)为基准除以减速比而算出来的数值。实际转速将随负载大小变化而有所变化。需要大于上表的减速比进行进一步减速时，可在电动机与减速器之间安装减速比为1: 10的中间减速器。

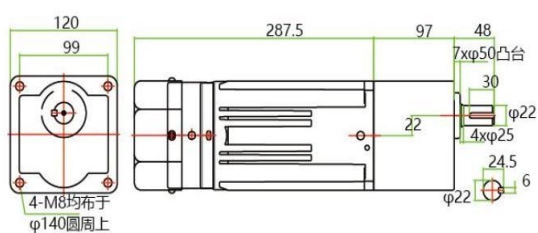
GK定速型 GKConstant speed type



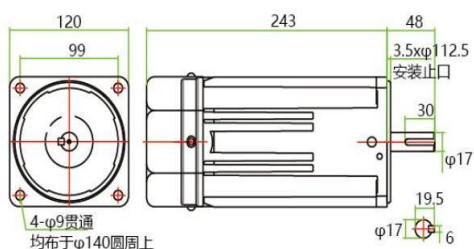
GK调速型 GKSpeed regulation type



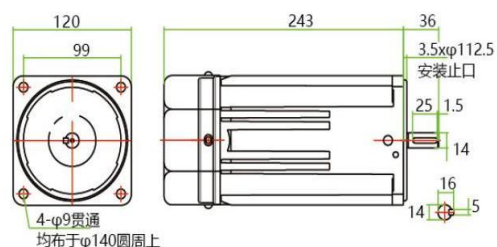
GK刹车型 GKBrake type



光轴电机17轴

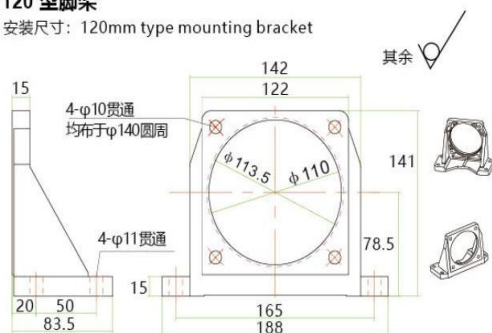


光轴电机14轴



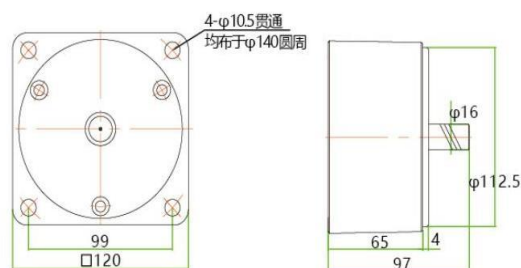
120 型脚架

安装尺寸: 120mm type mounting bracket



7GU-10X

结构: 中间减速器 structure: middle gear box



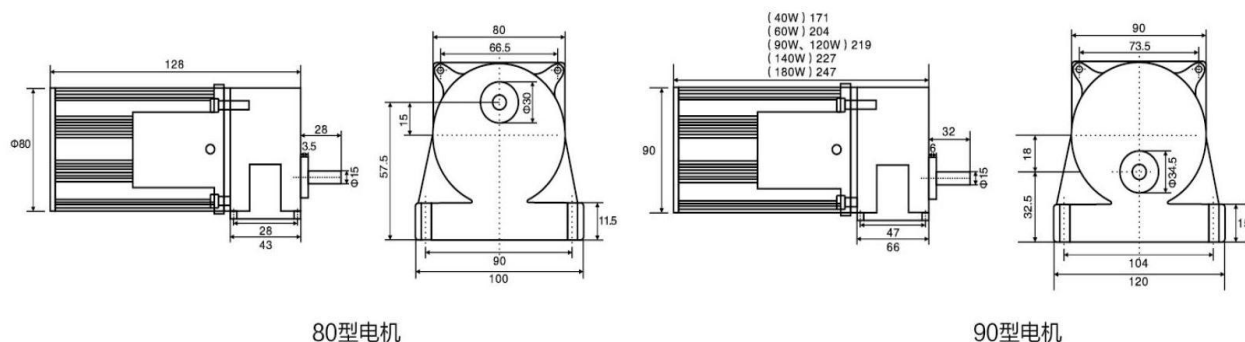


■ 电机技术参数(40W) Motor Technical Parameters

频率 Frequency	减速比 Reduction Ratio	3	5	9	12.5	18	20	25	30	40	50	60	75	90	100	120	150	180
50Hz	输出轴转速 r/min Output Shaft Speed	470	280	155	112	78	70	56	48	35	28	24	18	15	14	12	9	8
	允许力矩 Allowable Torque	N.m	0.5	0.83	1.49	1.99	2.82	3.31	4.16	4.96	6.64	8.28	9.92	11.6	12.0	12.0	12.0	12.0
		Kg/cm	5	8.3	14.9	19.9	28.2	33.1	41.6	49.6	66.4	82.8	99.2	116	120	120	120	120
60Hz	输出轴转速 r/min Output Shaft Speed	500	300	167	120	83	75	60	50	37.5	30	25	20	17	15	12.5	10	8
	允许力矩 Allowable Torque	N.m	0.4	0.69	1.24	1.65	2.34	2.75	3.44	4.12	5.48	6.88	8.24	9.64	12.0	12.0	12.0	12.0
		Kg/cm	4	6.9	12.4	16.5	23.4	27.5	34.4	41.2	54.8	68.8	82.4	96.4	120	120	120	120

■ 电机技术参数(100W) Motor Technical Parameters

频率 Frequency	减速比 Reduction Ratio	3	5	9	12.5	18	20	25	30	40	50	60	75	90	100	120	150	180
50Hz	输出轴转速 r/min Output Shaft Speed	470	280	155	112	78	70	56	48	35	28	24	18	15	14	12	9	8
	允许力矩 Allowable Torque	N.m	1.2	2.0	3.7	4.9	6.9	8.1	10.1	12.2	16.2	20.3	24.3	28.4	29.4	29.4	29.4	29.4
		Kg/cm	12.4	20.7	37.3	49.7	70.4	82.8	104	124	166	207	248	290	300	300	300	300
60Hz	输出轴转速 r/min Output Shaft Speed	500	300	167	120	83	75	60	50	37.5	30	25	20	17	15	12.5	10	8
	允许力矩 Allowable Torque	N.m	1.0	1.7	3.0	4.0	5.7	6.7	8.4	10.1	13.5	16.8	20.2	23.6	29.4	29.4	29.4	29.4
		Kg/cm	10.3	17.2	30.9	41.2	58.4	68.7	85.9	103	137	172	206	241	300	300	300	300



调速器 SPEED CONTROLLER

■ 控制器型号说明 Description of governor model

U

调速器种类
Speed Controller Type

U:组合型
U:Combination

S:分离型
S:Separation

S

调速器功能
Speed Controller function

S:速度控制器
S:Speed Governor

□

电压
Voltage

51:单相 110V50Hz
11:Single Phase 110V50Hz

52:单相 220V50Hz
22:Single Phase 220V50Hz

33:数字显示器
33:Digital Display

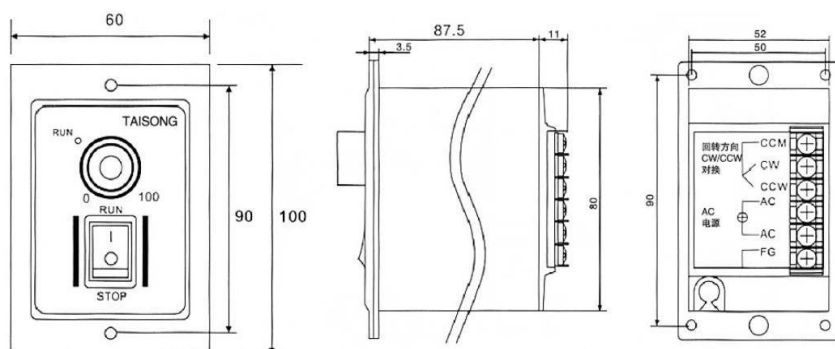
A

电容安装方式
Capacitor Mounting Type

A:内置式电容器
A:Built-in Capacitor

B:外置式电容器
B:External Capacitor

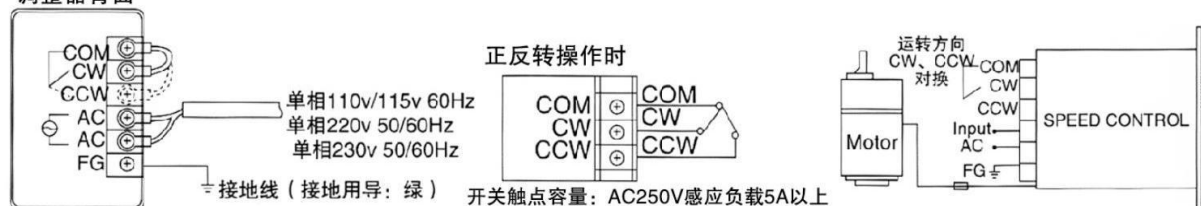
■ 组合型 Combination US51、US52 正、反转变速 Clockwise and anti-clockwise speed change



控制器接线图

Connection diagrams of the controller

调整器背面



HOLLOW,SOLID RIGHT ANGLE GEAR MOTORS

中空、中实直角齿轮减速电机

25W-750W

动力传动专业制造商
PROFESSIONAL MANUFACTURER OF POWER TRANSMISSION



卓越品质 传动未来
EXCELLENT QUALITY DRIVE THE FUTURE

中空、中实直角齿轮减速电机25W-400W HOLLOW, SOLID RIGHT ANGLE GEAR MOTORS

■ 直角齿轮减速机特点 Characteristic and use

采用优化设计，体积小，安装灵活，节省空间

效率高，输出扭矩大，启动平稳，寿命长

可配交流、连续/可逆电机、转矩电机

可增加附件，如调速、风叶、电刹车等

减速比范围广：5~750，配合中间箱最大至7500

功率范围广：25W~200W，广泛用于食品、医疗、广告等传动行业

Small size, flexible installation

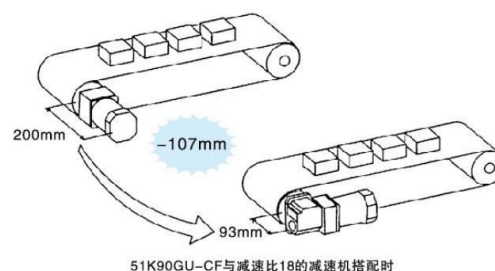
high efficiency, high torque, steady and long life

with motor: AC/DC, standardized/special

Optional parts: speed controller, fan, brake etc.

Ratio: 1:5~1:750, and 1:7500 max. with Middle reducer

Power: 25W~200W, they apply to transmission of auto-and semi-auto-equipments as food medicine advertising etc.



51K90GU-CF与减速比18的减速机搭配时

■ 直角齿轮减速机型号定义

5GU -20K RC

① ② ③

①	4GN : 80 × 80mm 6GU : 104 × 104mm	GN型减速机 (范围: 25W~40W) GU型减速机 (范围: 180W~300W)	5GU : 90 × 90mm 7GU : 120 × 120mm	GU型减速机 (范围: 40W~180W) GU型减速机 (范围: 400W~750W)
②	-20K : 减速比1:30			
③	RC : 直角中空减速机 RT : 直角中实减速机			

■ 减速电机一般通用参数 General parameter for gear motor

通用技术条件

绝缘电阻值: 常态下 $\geq 20M\Omega$

绝缘强度: 1500V/1min无击穿或闪络现象

温升级限值: 75K

电机用导线: CQC认证、105℃、600V

基本工况

工作制: 连续 (SI)

冷却方式: IC40

基本环境条件

温度: -10 ~ +40℃

相对湿度: 15% ~ 90%

General technical condition

insulation resistance: $\geq 20M\Omega$ (normality)

insulation strength: 1500V/1min (no breakdown or flashover)

limit of tem rise: 75K

wire for motor: CQC、105℃、600V

Basic work condition

work system: continuous (si)

way of cooling: IC 40

Basic environment condition

temperature: -10 ~ +40℃

relative humidity: 15% ~ 90%

■ 注意事项 Attention items

在齿轮出轴上安装联轴器、皮带轮等传动机构时，不可直接在出轴上以工具敲击安装，否则会造成减速器内部的损伤；

与其它机器连接时，请先确认好旋转方向。弄错方向的话，会致伤，损坏装置。

请不要在接线盒盖打开的状态下运转电机。

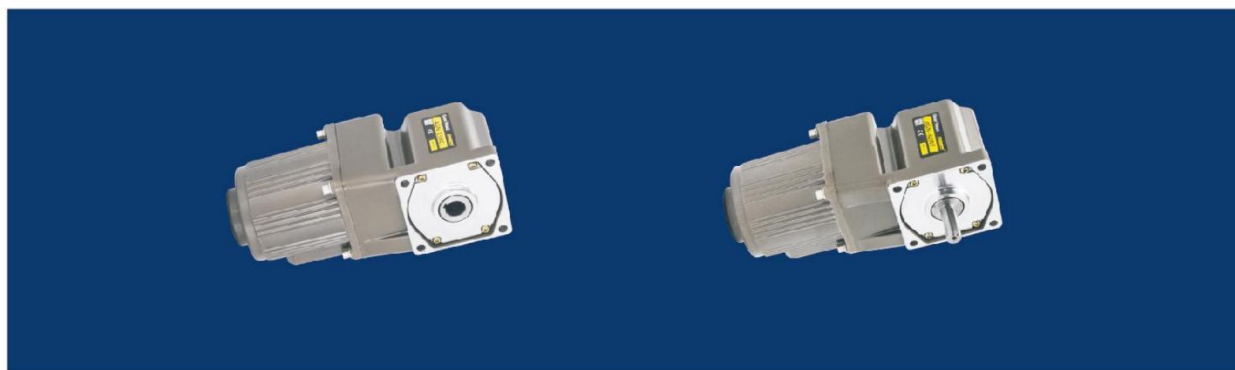
不要让制动器附着上水或油脂类，否则有可能因制动器故障造成失控落下事故的危險。

Installed in the gear out of the shaft couplings, pulleys and other transmission institutions, not directly knock on the output shaft to install, otherwise it will cause internal damage reducer.

Connection with other machines, make sure a good rotation. Wrong direction, will be injured, damage the device.

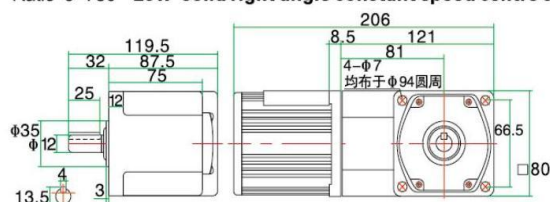
Please do not open the terminal box cover of the operating motor.

Do not let brake attached to the water or oils, otherwise risk falling out of control due to brake failure caused the accident risk.



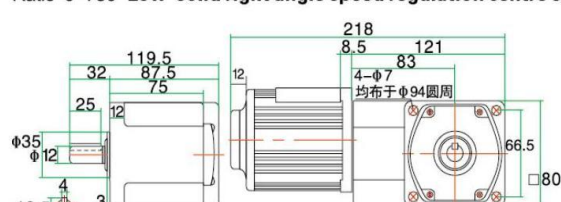
4GN RT 25W

减速比9-750 25W直角中心中实定速
Ratio 9-750 25w solid right angle constant speed centre shaft



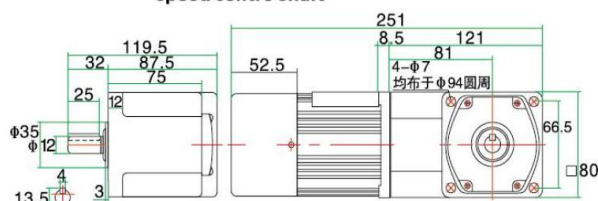
4GN RT 25W

减速比9-750 25W直角中心中实调速
Ratio 9-750 25w solid right angle speed regulation centre shaft



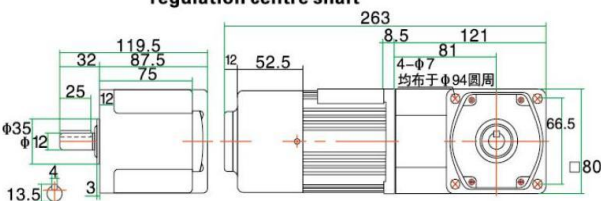
4GN RT 25W

减速比9-750 25W直角中心中实刹车定速
Ratio 9-750 25w solid right angle brake constant speed centre shaft



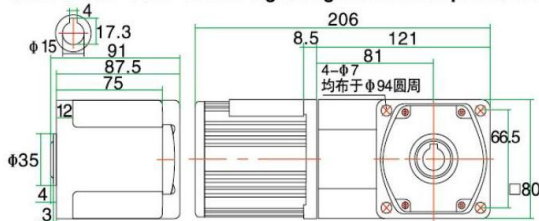
4GN RT 25W

减速比9-750 25W直角中心中实刹车调速
Ratio 9-750 25w solid right angle brake speed regulation centre shaft



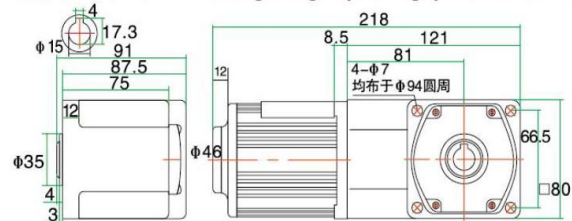
4GN RC 25W

减速比9-750 25W直角中心中空定速
Ratio 9-750 25w hollow right angle constant speed centre shaft



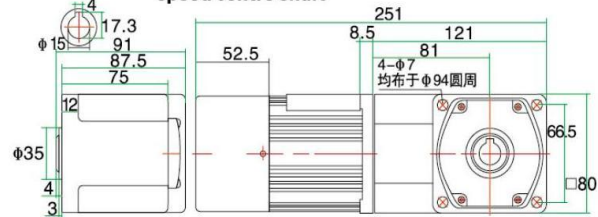
4GN RC 25W

减速比9-750 25W直角中心中空调速
Ratio 9-750 25w hollow right angle speed regulation centre shaft



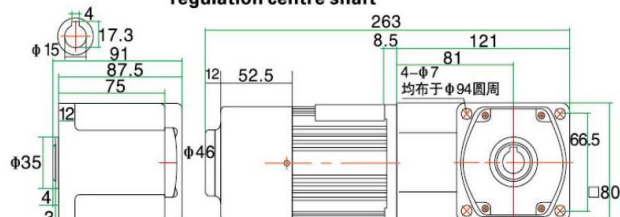
4GN RC 25W

减速比9-750 25W直角中心中空刹车定速
Ratio 9-750 25w hollow right angle brake constant speed centre shaft



4GN RC 25W

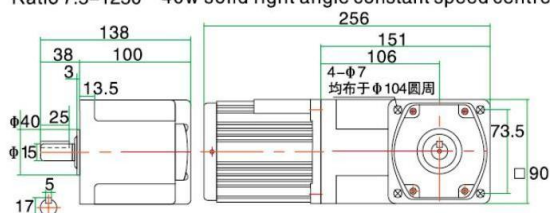
减速比9-750 25W直角中心中空刹车调速
Ratio 9-750 25w hollow right angle brake speed regulation centre shaft





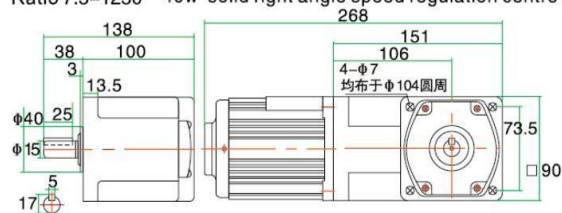
5GN RT 40W

减速比 7.5-1250 40W 直角中心中实定速
Ratio 7.5-1250 40w solid right angle constant speed centre shaft



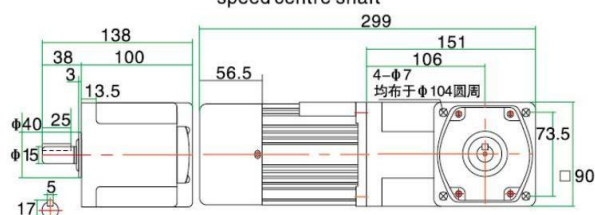
5GN RT 40W

减速比 7.5-1250 40W 直角中心中实调速
Ratio 7.5-1250 40w solid right angle speed regulation centre shaft



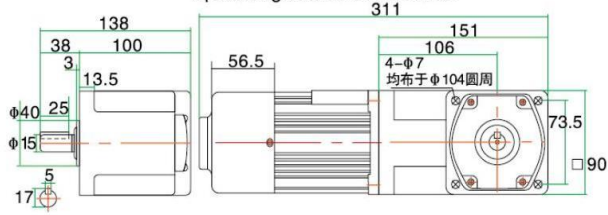
5GN RT 40W

减速比 7.5-1250 40W 直角中心中实定速刹车
Ratio 7.5-1250 40w hollow right angle brake constant speed centre shaft



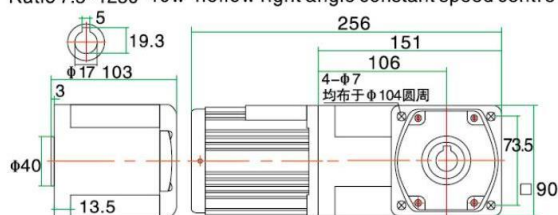
5GN RT 40W

减速比 7.5-1250 40W 直角中心中实调速刹车
Ratio 7.5-1250 40w solid right angle brake speed regulation centre shaft



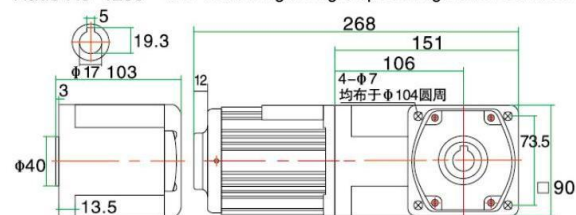
5GN RC 40W

减速比 7.5-1250 40W 直角中心中空定速
Ratio 7.5-1250 40w hollow right angle constant speed centre shaft



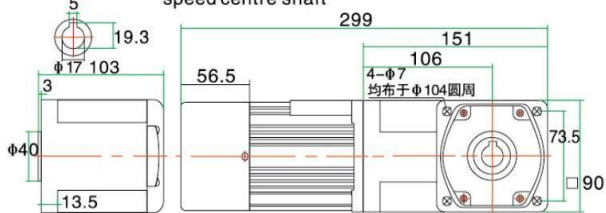
5GN RC 40W

减速比 7.5-1250 40W 直角中心中空调速
Ratio 7.5-1250 40w hollow right angle speed regulation centre shaft



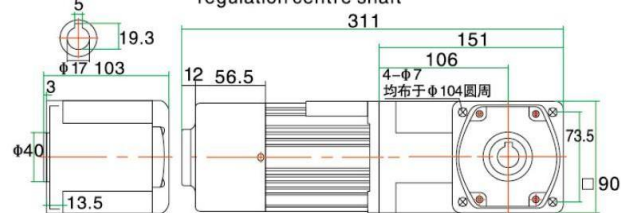
5GN RC 40W

减速比 7.5-1250 40W 直角中心中空定速刹车
Ratio 7.5-1250 40w hollow right angle brake constant speed centre shaft



5GN RC 40W

减速比 7.5-1250 40W 直角中心中空调速刹车
Ratio 7.5-1250 40w hollow right angle brake speed regulation centre shaft



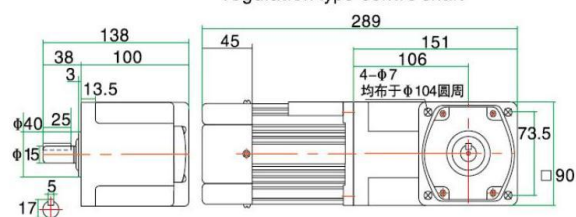


5GU RT

减速比7.5-1250
Ratio 7.5-1250

60W

60W直角中心中实定/调速
60w solid right angle constant speed /speed
regulation type centre shaft

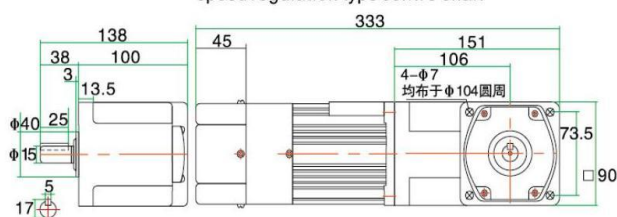


5GU RT

减速比7.5-1250
Ratio 7.5-1250

60W

60W 直角中心中实定 / 调速刹车
60w solid right angle brake constant speed /brake
speed regulation type centre shaft

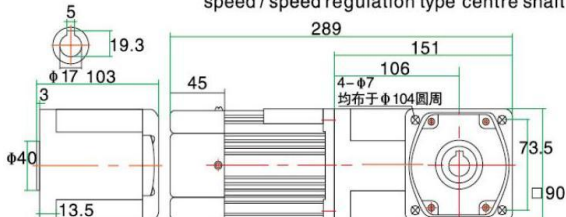


5GU RC

减速比7.5-1250
Ratio 7.5-1250

60W

60W直角中心中空定/调速
60w hollow right angle constant
speed / speed regulation type centre shaft

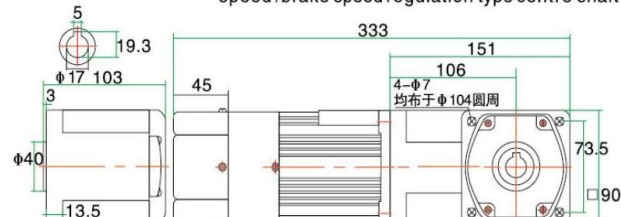


5GU RC

减速比7.5-1250
Ratio 7.5-1250

60W

60W 直角中心中空定 / 调速刹车
60w hollow right angle brake constant
speed /brake speed regulation type centre shaft

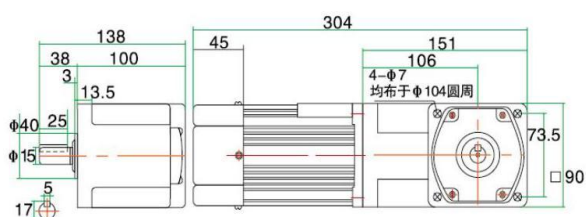


5GU RT

减速比7.5-1250
Ratio 7.5-1250

90/120W

90W直角中心中实定/调速
90w solid right angle constant speed /speed
regulation type centre shaft

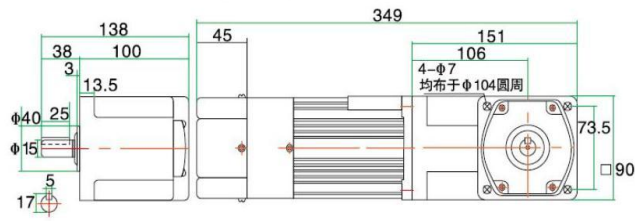


5GU RT

减速比7.5-1250
Ratio 7.5-1250

90/120W

90W 直角中心中实定 / 调速刹车
90w solid right angle brake constant speed /brake
speed regulation type centre shaft

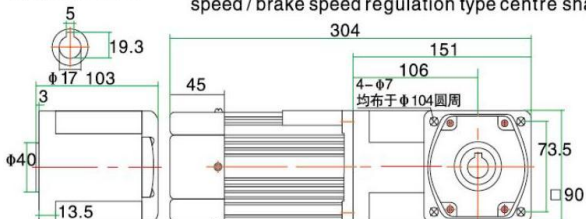


5GU RC

减速比7.5-1250
Ratio 7.5-1250

90/120W

90W直角中心中空定/调速
90w solid right angle brake constant
speed / brake speed regulation type centre shaft

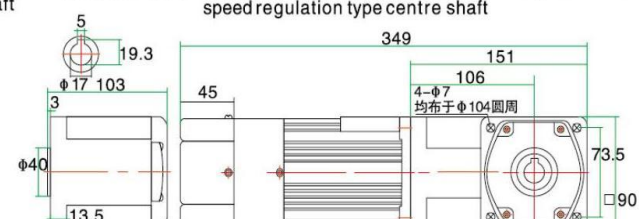


5GU RC

减速比7.5-1250
Ratio 7.5-1250

90/120W

90W 直角中心中空定 / 调速刹车
90w hollow right angle brake constant speed /brake
speed regulation type centre shaft

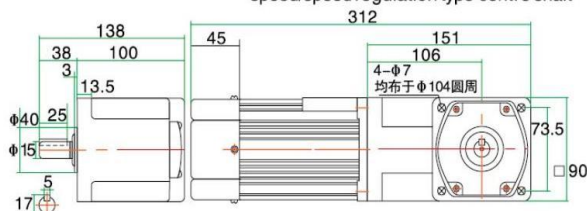




5GU RT 140W

减速比 7.5-1250
Ratio 7.5-1250

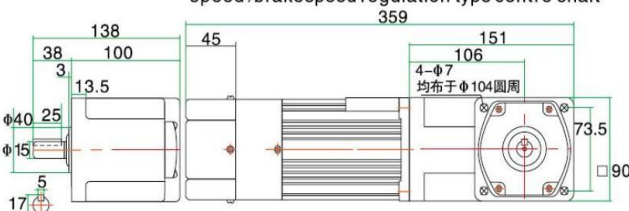
140W 直角中心中实定/调速
140w solid right angle constant
speed/speed regulation type centre shaft



5GU RT 140W

减速比 7.5-1250
Ratio 7.5-1250

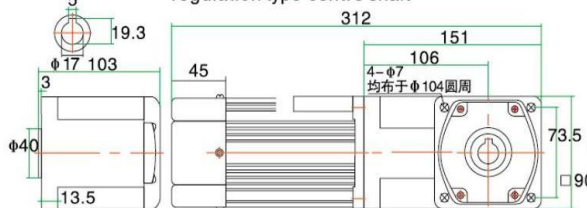
140W 直角中心中实定/调速刹车
140w solid right angle brake constant
speed /brakespeed regulation type centre shaft



5GU RC 140W

减速比 7.5-1250
Ratio 7.5-1250

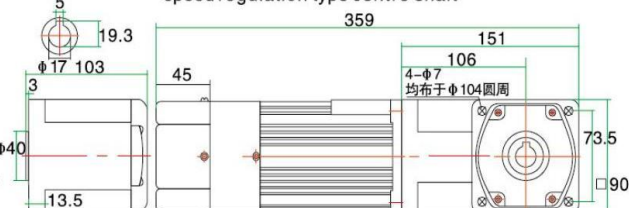
140W 直角中心中空定/调速
140w hollow right angle constantspeed / speed
regulation type centre shaft



5GU RC 140W

减速比 7.5-1250
Ratio 7.5-1250

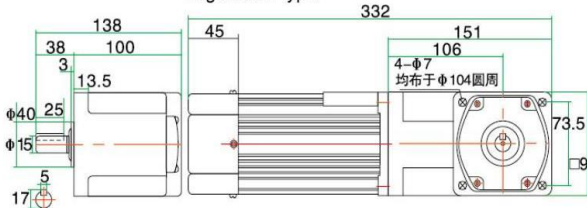
140W 直角中心中空定/调速刹车
140w hollow right angle brake constant speed /brake
speed regulation type centre shaft



5GU RT 90型180W

减速比 7.5-1250
Ratio 7.5-1250

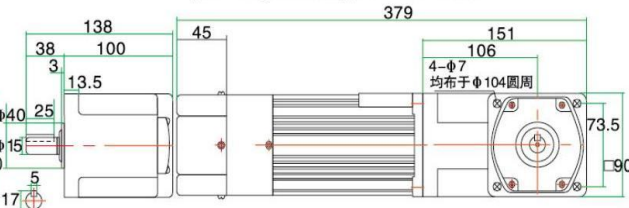
180W 直角中心中实定/调速
180w solid right angle constant speed /speed
regulation type



5GU RT 90型180W

减速比 7.5-1250
Ratio 7.5-1250

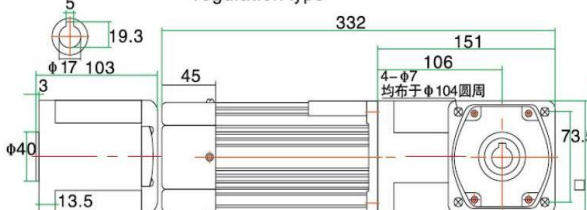
180W 直角中心中实定/调速刹车
180w solid right angle brake constant speed /brake
speed regulation type centre shaft



5GU RC 90型180W

减速比 7.5-1250
Ratio 7.5-1250

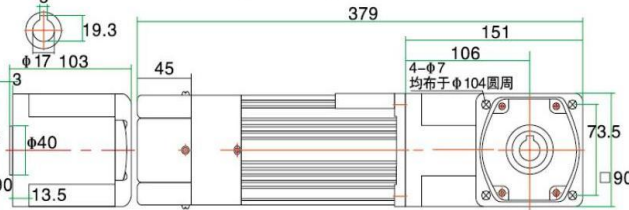
180W 直角中心中空定/调速
180w hollow right angle constant speed/speed
regulation type

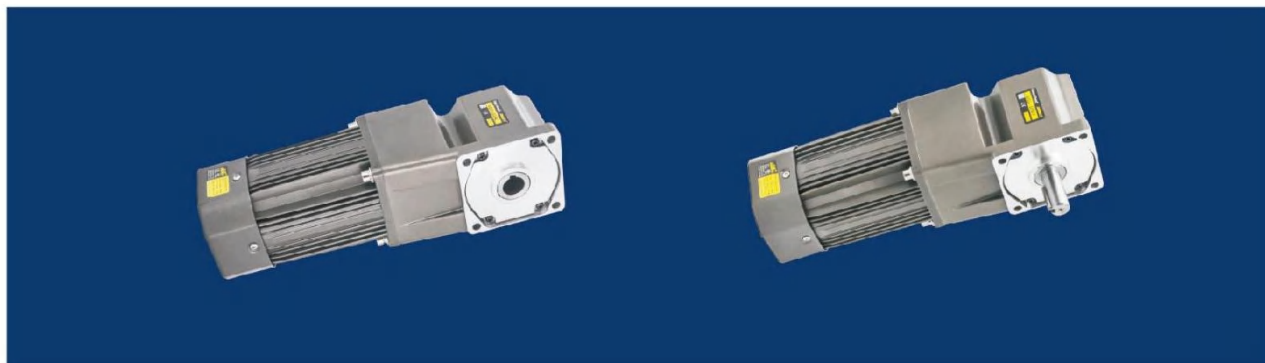


5GU RC 90型180W

减速比 7.5-1250
Ratio 7.5-1250

180W 直角中心中空定/调速刹车
180w hollow right angle brake constant speed /brake
speed regulation type centre shaft





6GU□RT 140/200/250/300W

减速比9-900

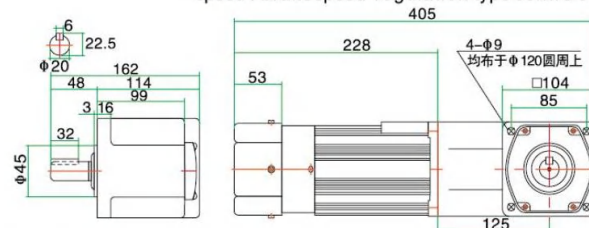
250/300W 直角中心中空定/调速
250W/300W solid right angle constant
speed / speed regulation type centre shaft



6GU□RT 140/200/250/300W

减速比9-900

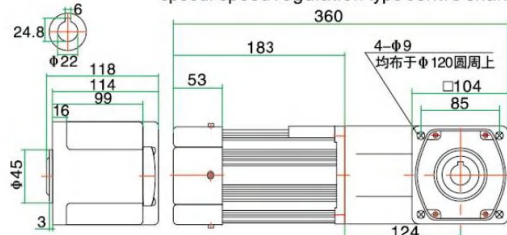
250/300W 直角中心中空定/调速刹车
250W/300W solid right angle brake constant
speed / brakespeed regulation type centre shaft



6GU□RC 140/200/250/300W

减速比9-900

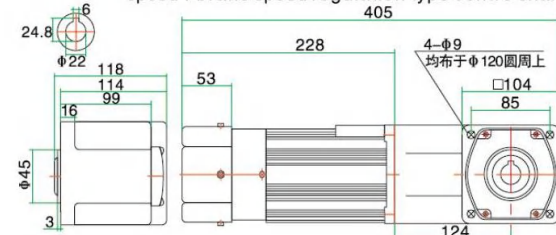
22轴 250/300W 直角中心中空定/调速
ψ22mm 250/300W hollow right angle constant
speed / speed regulation type centre shaft



6GU□RC 140/200/250/300W

减速比9-900

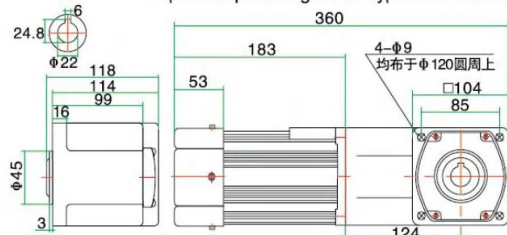
22轴 250/300W 直角中心中空定/调速刹车
ψ22mm 250W/300W hollow right angle brake constant
speed / brake speed regulation type centre shaft



6GU□RC 140/200/250/300W

减速比9-900

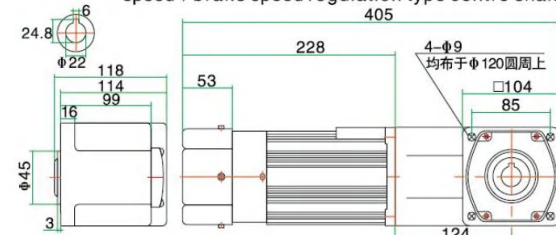
20轴 250/300W 直角中心中空定/调速
ψ20mm 250W/300W hollow right angle constant
speed / speed regulation type centre shaft



6GU□RC 140/200/250/300W

减速比9-900

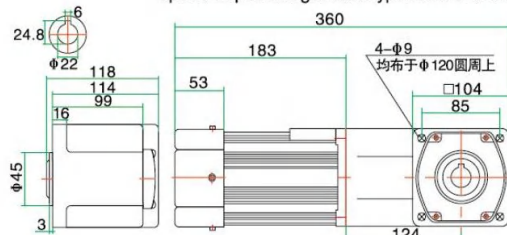
20轴 250/300W 直角中心中空定/调速刹车
ψ20mm 250/300W hollow right angle brake constant
speed / brake speed regulation type centre shaft



6GU□RC 140/200/250/300W

减速比9-900

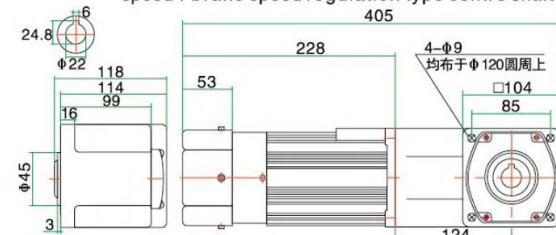
15轴 250/300W 直角中心中空定/调速
ψ15mm 250/300W hollow right angle constant
speed / speed regulation type centre shaft



6GU□RC 140/200/250/300W

减速比9-900

15轴 250/300W 直角中心中空定/调速刹车
ψ15mm 250/300W hollow right angle brake constant
speed / brake speed regulation type centre shaft

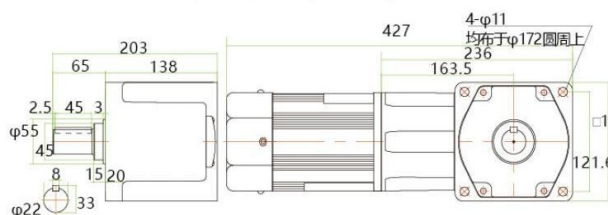




7GU□RA-C 400W

減速比6-2250
Ratio 6-2250

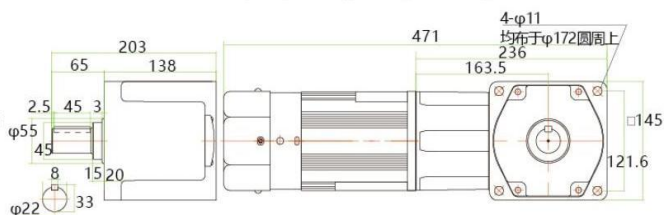
400W 直角中心中実定 / 调速 22 轴
φ 22mm 400w solid right angle constant
speed/speed regulation type centre shaft



7GU□RA-C 400W

減速比6-2250
Ratio 6-2250

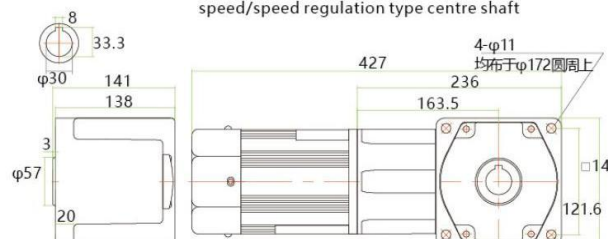
400W 直角中心中実定 / 调速刹车 22 轴刹车
φ 22mm 400w solid right angle brake constant
speed/brake speed regulation type centre shaft



7GU□RH-C 400W

減速比6-2250
Ratio 6-2250

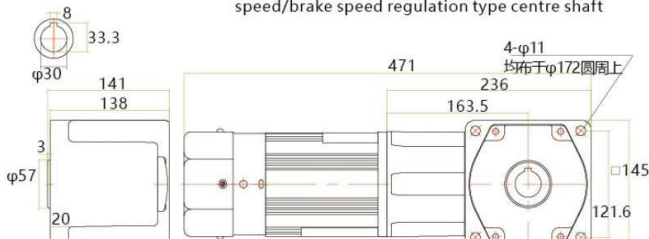
400W 直角中心中空 30 轴 定 / 调速
φ 30mm 400w solid right angle constant
speed/speed regulation type centre shaft



7GU□RH-C 400W

減速比6-2250
Ratio 6-2250

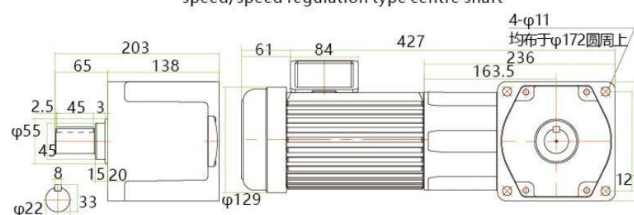
400W 直角中心中空 30 轴 定 / 调速刹车
φ 30mm 400w solid right angle brake constant
speed/brake speed regulation type centre shaft



7GU□RA-C 750W

減速比6-2250
Ratio 6-2250

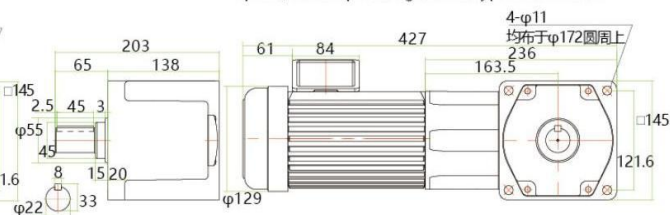
750W 直角中心中 实 22 轴定/调速
φ 22mm 750w hollow right angle constant
speed/speed regulation type centre shaft



7GU□RA-C 750W

減速比6-2250
Ratio 6-2250

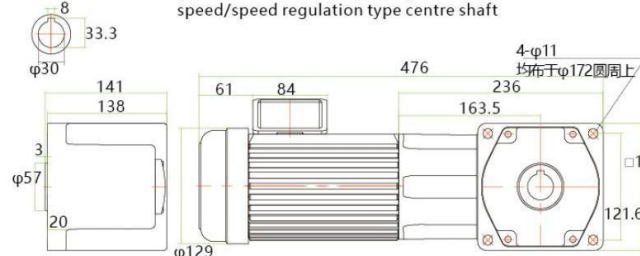
750W 直角中心中实定 / 调速刹车 22 轴刹车
φ 22mm 400w solid right angle brake constant
speed/brake speed regulation type centre shaft



7GU□RH-C 750W

減速比6-2250
Ratio 6-2250

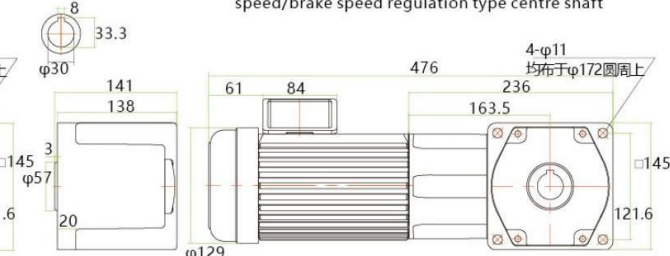
750W 直角中心中空 30 轴定/调速
φ 30mm 750w hollow right angle constant
speed/speed regulation type centre shaft



7GU□RH-C 750W

減速比6-2250
Ratio 6-2250

750W 直角中心中空 30 轴 定 / 调速刹车
φ 30mm 400w solid right angle brake constant
speed/brake speed regulation type centre shaft



DC GEAR MOTOR

直流齿轮减速电机

15W-450W

动力传动专业制造商
PROFESSIONAL MANUFACTURER OF POWER TRANSMISSION



卓越品质 驱动未来
EXCELLENT QUALITY DRIVE THE FUTURE

直流齿轮减速电机 DC GEAR MOTOR

产品定义 Product Model Explanation

5 DC 60 24 GU -18 M
① ② ③ ④ ⑤ ⑥ ⑦

①	机座号Code: 2:60*60mm 3:70*70mm 4:80*80mm 5:90*90mm 6:104*104mm
②	直流马达系列DC Motor
③	电机功率 Rated power 15:15W 25:25W 60:60W 200:200W 450:450W
④	额定电压 Reated voltage 12:DC12V 24:DC24V 90:DC90V 220:DC220V
⑤	电机轴形状shape of motor shaft GU: 加强型斜齿轴 Reinforced Helival Gear GN: 普通型斜齿轴 General Helival Gear A1: 光轴铣键槽 Milling Keyway A: 光轴铣扁 Flat type RV: 代表配RV专用
⑥	电机转速Motor Speed : 18代表负载转速1800rpm 28代表负载转速2800rpm
⑦	M代表刹车

减速器 Gear Box

5 GU 50 K
① ② ③ ④

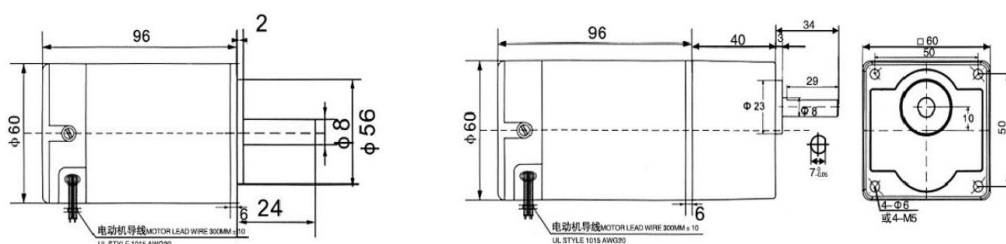
①	型号尺寸Model&Dimension : 2:60mm 3:70mm 4:80mm 5:90mm 6:104mm 7:120mm
②	齿轮种类 Gear Type GN:普通型斜齿轴 GN: Common Helical Gear GU: 加强型斜齿轴 GU: Reinforced Helical Gear
③	减速比 Reduction ratio 50减速比为1:50 50:Reduction Ratio 1:50 10X仅限减速比1:10的中间减速比 10X denotes the mid reduction ratio 1:10
④	轴承种类 Bearing Type K:滚珠轴承 (对GU型方箱体标注为KB) K:Ball bearing (Mark KB for Type GU square case)

直流电机的一般规格 General specification of dc motor

项目 Items	
绝缘电阻 Insulation resistance	在常温、常湿度下, 运转电机后, 以DC 500V 电阻表测量线圈、外壳间时, 测量值为20MΩ以上。 In the circumstance of normal ambient temperature and humidity, the resistance can be up to 20 MΩ or more when 500VDC megge is applied between the windings and the frame after rated motor operations.
绝缘电压 Insulation voltage	在常温、常湿度下电动机额定运行后, 在线圈、外壳间施加一分钟50Hz、1.5KV (三相400V为2KV) 的电压, 亦无异常。 In the circumstance of normal ambient temperature and humidity, there will be no problem to withstand 1.5KV (three phase400V: 2KV) at 50/60Hz between the windings and the frame for 1mintue after rated motor operation.
温度上升 Temperature rise	运转电机后, 用电阻法来测量时, 线圈温度的上升数值在80℃以下。 The temperature rise should be lower than 80℃ measured by resistance method when the motor is working
绝缘等级 Insulation class	class B级 (130℃)
使用温度 Using temperature	-10℃~ ±40℃(无冰冻) No freeze
使用湿度 Using humidity	85%以下没有结露的场所 Place without dew



■ 外形尺寸图 Overall dimensions



圆轴型电机轴 Round shaft motor		功率 Power	电压 Voltage	空载参数 NO-load		额定负载功率 Load [ara, eters]			启动转矩 starting torque
				转速 Speed r/min	电流 Current A	转速 Speed r/min	电流 Current A	转矩 Torque mN.m	
2DC	2DC15-12GN-18	15	12	2200/4400	0.5max	1800/3600	1.0	51	0.37
	2DC15-24GN-18	15	24	2200/4400	0.1max	1800/3600	0.8	48	0.41
	2DC30-24GN-18	30	24	2200/4400	0.5max	1800/3600	1.5	100	0.8

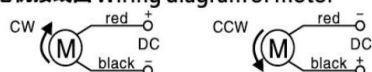
电机电压、功率及转速可在配件尺寸等条件下根据客户要求定制。

Motor voltage, power and speed will be customized accrding to his requestment under the allowed circumstance of adoptable dimension.

■ 减速电机容许转矩 Reduction Motor Max Allowable Torque

减速比 reduction ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
1800	转速 r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9	7.5	6
	15W 转矩 N.m	0.24	0.29	0.4	0.48	0.6	0.75	0.8	1.0	1.19	1.43	1.59	1.99	2.39	2.87	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
	30W 转矩 N.m	0.48	0.57	0.8	0.96	1.19	1.43	1.59	1.99	2.39	2.87	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
3600	转速 r/min	1200	1000	720	600	480	400	360	288	240	200	180	144	120	100	90	72	60	48	40	36	30	24	20	18	15	12
	15W 转矩 N.m	0.12	0.14	0.2	0.24	0.3	0.36	0.4	0.5	0.6	0.72	0.79	0.99	1.19	1.44	1.59	1.99	2.38	2.96	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
	30W 转矩 N.m	0.24	0.29	0.4	0.48	0.6	0.72	0.79	1.0	1.19	1.43	1.59	1.99	2.39	2.87	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

■ 电机接线图 Wiring diagram of motor

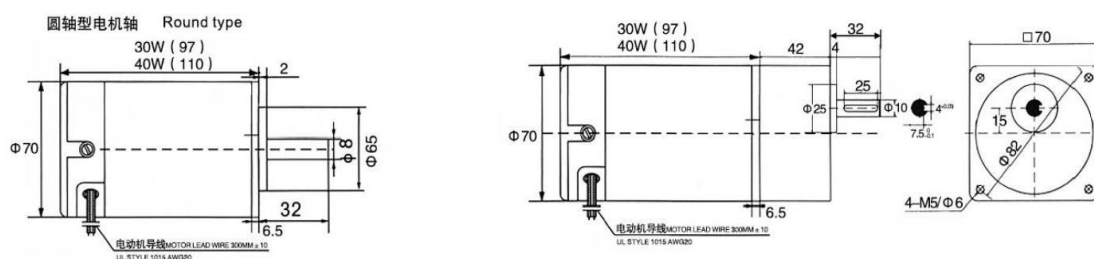


标准引出线长度：300mm ± 10, 型号：UL1015 规格：AWG20；电机引出线长度，型号在配件尺寸等条件下可根据客户需求定制。

Standlard length of lead wire:300mm ± 10,model:UL1015tpye:AWG20;lead wire length,model will be customerised by dient requestmant under allowed circumstance of adoptable dimension



■ 外形尺寸图 Overall dimensions



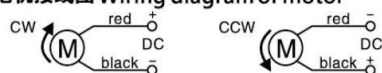
圆轴型电机轴 Round shaft motor		功率 Power	电压 Voltage	空载参数 NO-load		额定负载功率 Load [ara ,eters]			启动转矩 starting torque
				转速 Speed r/min	电流 Current A	转速 Speed r/min	电流 Current A	转矩 Torque mN. m	
3DC	3DC30-12GN-18	30	12	2200/4400	1.0max	1800/3600	3.0	80	0.75
	3DC30-24GN-18	30	24	2200/4400	0.6max	1800/3600	1.6	87	1.5
	3DC40-24GN-18	40	24	2200/4400	0.8max	1800/3600	2.4	120	2.0

电机电压、功率及转速可在配件尺寸等条件下根据客户要求定制。
Motor voltage, power and speed will be customized according to his requestment under the allowed circumstance of adoptable dimension.

■ 减速电机容许转矩 Reduction Motor Max Allowable Torque

减速比 reduction ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
1800	转速 r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9	7.5	6
	30W 转矩 N.m	0.4	0.48	0.66	0.8	0.99	1.19	1.33	1.66	2.0	2.38	2.65	3.32	3.98	4.78	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
	40W 转矩 N.m	0.63	0.76	1.06	1.27	1.59	1.91	2.12	2.65	3.18	3.82	4.24	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3600	转速 r/min	1200	1000	720	600	480	400	360	288	240	200	180	144	120	100	90	72	60	48	40	36	30	24	20	18	15	12
	30W 转矩 N.m	0.2	0.24	0.33	0.4	0.5	1.08	0.67	0.83	1.0	1.19	1.33	1.66	1.99	2.39	2.67	3.32	3.98	4.96	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
	40W 转矩 N.m	0.32	0.38	0.53	0.64	0.8	0.96	1.06	1.33	1.59	1.91	2.12	2.66	3.19	3.82	4.25	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00

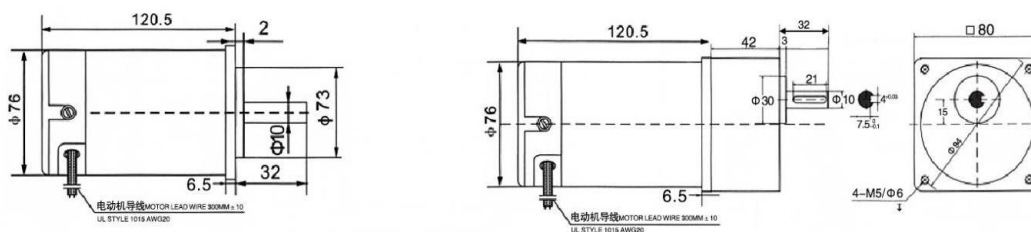
■ 电机接线图 Wiring diagram of motor



标准引出线长度：300mm ± 10, 型号：UL1015 规格：AWG20；电机引出线长度，型号在配件尺寸等条件下可根据客户需求定制。
Stanclard length of lead wire: 300mm ± 10, model: UL1015 type: AWG20; lead wire length, model will be customised by dient requestmant under allowed circumstance of adoptable dimension



■ 外形尺寸图 Overall dimensions



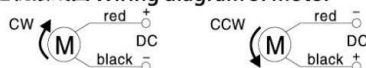
圆轴型电机轴 Round shaft motor		功率 Power	电压 Voltage	空载参数 NO-load		额定负载功率 Load [parameters]			启动转矩 starting torque
				转速 Speed r/min	电流 Current A	转速 Speed r/min	电流 Current A	转矩 Torque mN.m	
4DC	4DC60-12GN-18	60	12	2000	2.0max	1800	5.2	128	1.20
	4DC60-24GN-18	60	24	2000	0.8max	1800	2.1	128	2.00
	4DC100-24GN-18	100	24	2000	1.0max	1800	3.0	250	4.50

电机电压、功率及转速可在配件尺寸等条件下根据客户要求定制。
Motor voltage, power and speed will be customized according to his request under the allowed circumstance of adoptable dimension.

■ 减速电机容许转矩 Reduction Motor Max Allowable Torque

减速比 reduction ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
1800	转速 r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9	7.5	6
	60W N.m	0.63	0.76	1.06	1.27	1.59	1.91	2.12	2.65	3.18	3.82	4.24	5.31	6.37	7.64	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
	100W N.m	1.59	1.91	2.65	3.18	3.98	4.78	5.31	6.63	7.96	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3600	转速 r/min	1200	1000	720	600	480	400	360	288	240	200	180	144	120	100	90	72	60	48	40	36	30	24	20	18	15	12
	60W N.m	0.32	0.38	0.53	0.64	0.8	0.96	1.06	1.33	1.59	1.91	2.12	2.66	3.19	3.82	4.25	5.3	6.35	7.95	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
	100W N.m	0.8	0.96	1.33	1.59	1.99	2.39	2.66	3.32	3.98	4.78	5.3	6.65	7.95	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

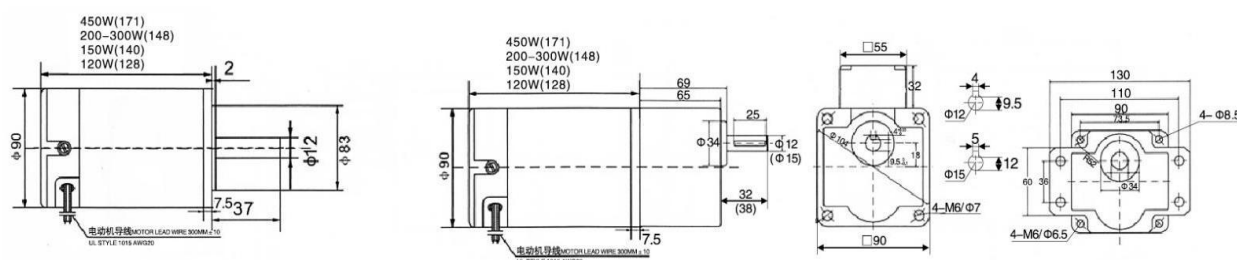
■ 电机接线图 Wiring diagram of motor



标准引出线长度: 300mm ± 10, 型号: UL1015 规格: AWG20; 电机引出线长度, 型号在配件尺寸等条件允许的情况下可根据客户需求定制。
Standard length of lead wire: 300mm ± 10, model: UL1015 type: AWG20; lead wire length, model will be customized by client request under allowed circumstance of adoptable dimension



■ 外形尺寸图 Overall dimensions



圆轴型电机轴 Round shaft motor		功率 Power	电压 Voltage	空载参数 NO-load		额定负载功率 Load [parameters]			启动转矩 starting torque
				转速 Speed r/min	电流 Current A	转速 Speed r/min	电流 Current A	转矩 Torque mN.m	
5DC	5DC120-12GN-18	120	12	2000	3.0max	1800	14.0	382	2.10
	5DC120-24GN-18	120	24	2000	1.5max	1800	7.0	414	2.60
	5DC120-90GN-18	120	90	2000	0.3max	1800	1.8	382	3.50
	5DC250-24GN-18	250	24	2000	4.0max	1800	16.0	746	5.00
	5DC250-90GN-18	250	90	2000	2.0max	1800	4.2	796	6.10
	5DC250-220GN-18	250	220	2000	0.2max	1800	1.5	853	7.00
	5DC450-220GN-18	450	220	2000	0.8max	1800	3.0	1600	14.00

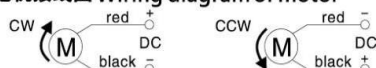
电机电压、功率及转速可在配件尺寸等条件下根据客户要求定制。

Motor voltage, power and speed will be customized according to his request under the allowed circumstance of adoptable dimension.

■ 减速电机容许转矩 Reduction Motor Max Allowable Torque

减速比 reduction ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
1800	转速 r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9	7.5	6
	120W 转矩 N.m	1.91	2.29	3.18	3.82	4.78	5.73	6.37	7.96	9.55	11.5	12.7	15.9	19.1	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	250W 转矩 N.m	3.98	4.78	6.63	7.96	9.95	11.9	13.3	16.6	19.9	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	450W 转矩 N.m	7.16	8.60	11.9	14.3	17.9	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
3600	转速 r/min	1200	1000	720	600	480	400	360	288	240	200	180	144	120	100	90	72	60	48	40	36	30	24	20	18	15	12
	120W 转矩 N.m	0.96	1.15	1.59	1.91	2.39	2.87	3.19	3.98	4.78	5.75	6.35	7.95	9.55	11.5	12.8	15.9	19.1	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	250W 转矩 N.m	1.99	2.39	3.32	3.98	4.98	5.95	6.65	8.3	9.95	11.6	13.3	16.6	19.9	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	450W 转矩 N.m	3.58	4.3	5.95	7.15	8.95	10.8	12	14.9	17.9	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0

■ 电机接线图 Wiring diagram of motor

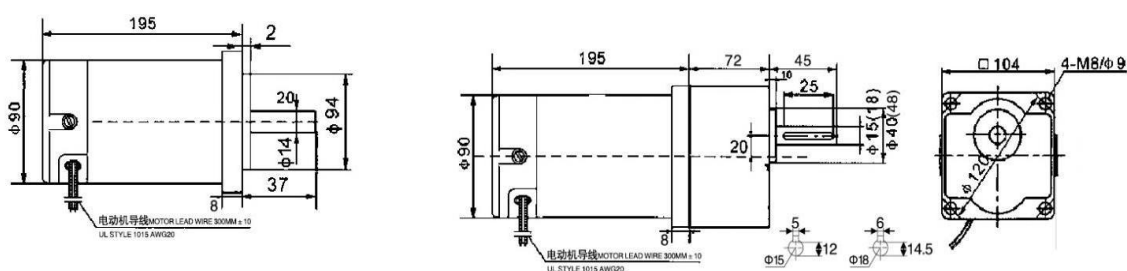


标准引出线长度：300mm ± 10, 型号：UL1015 规格：AWG20；电机引出线长度，型号在配件尺寸等条件下可根据客户需求定制。

Standard length of lead wire: 300mm ± 10, model: UL1015 type: AWG20; lead wire length, model will be customized by client request under allowed circumstance of adoptable dimension



■ 外形尺寸图 Overall dimensions



圆轴型电机轴 Round shaft motor		功率 Power	电压 Voltage	空载参数 NO-load		额定负载功率 Load [parameters]			启动转矩 starting torque
				转速 Speed r/min	电流 Current A	转速 Speed r/min	电流 Current A	转矩 Torque mN.m	
6DC	6DC250-12GN-18	250	12	2000	4.0max	1800	16.0	746	5.10
	6DC250-24GN-18	250	24	2000	2.0max	1800	4.2	796	6.20
	6DC250-90GN-18	250	90	2000	0.2max	1800	1.5	853	7.10
	6DC250-220GN-18	450	220	2000	0.6max	1800	3.0	1600	14.00

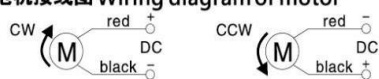
电机电压、功率及转速可在配件尺寸等条件下根据客户要求定制。

Motor voltage, power and speed will be customized according to his requestment under the allowed circumstance of adoptable dimension.

■ 减速电机容许转矩 Reduction Motor Max Allowable Torque

减速比 reduction ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
1800	转速 r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9	7.5	6
	250W 转矩 N.m	3.98	4.78	6.63	7.96	9.95	11.9	13.3	16.6	19.9	23.9	26.5	33.2	39.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
	450W 转矩 N.m	7.16	8.60	11.9	14.3	17.9	21.5	23.9	29.8	35.8	43.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
3600	转速 r/min	1200	1000	720	600	480	400	360	288	240	200	180	144	120	100	90	72	60	48	40	36	30	24	20	18	15	12
	250W 转矩 N.m	1.99	2.39	3.32	3.98	4.98	5.95	6.65	8.3	9.95	11.6	13.3	16.6	19.9	23.9	26.6	33.2	39.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
	450W 转矩 N.m	3.58	4.3	5.95	7.15	8.95	10.8	12.0	14.9	17.9	21.5	23.9	29.9	35.8	43.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0

■ 电机接线图 Wiring diagram of motor



标准引出线长度：300mm ± 10, 型号：UL1015 规格：AWG20；电机引出线长度，型号在配件尺寸等条件下可根据客户需求定制。

Standard length of lead wire: 300mm ± 10, model: UL1015 type: AWG20; lead wire length, model will be customised by client requestment under allowed circumstance of adoptable dimension

SMALL REDUCTION MOTOR

小型减速电机

动力传动专业制造商
PROFESSIONAL MANUFACTURER OF POWER TRANSMISSION



卓越品质 传动未来
EXCELLENT QUALITY DRIVE THE FUTURE

小型减速电机型号定义

SMALL REDUCTION MOTOR

电机型号 Motor

CH 22- 400 90 S B G1 LD

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

图1 图2

①	结构形式	Structure form	CH卧式 CV立式	CH Horizontal CV Vertical
②	输出轴直径	Output shaft DIA	18 Φ18mm 22 Φ22mm 28 Φ28mm X ΦXmm	
③	额定功率	Rated Power	100:100W 200:200W 400:400W 750:750W X:KW	
④	减速比	Reduction Ratio	3:1.3 5:1.5 10:1.10 20:1.20 30:1.30 X:1:X	
⑤	额定电压	Rated voltage	A: 1-Phase 单相110V/220V C: 1-Phase 单相220V S: 3-Phase 单相220V/380V	
⑥	刹车器形式	Brake unit	B: 断电刹车器 DC380V brake working when power off	
⑦	从轴端看接线盒位置	Terminal box direction form output shaft	G1 左方向Left G2 右方向Right G3 上方向Top G4 下方向Down	
⑧	从轴端看出线方向	Lead wire direction form output shaft	T: 向上 Top D: 向下Down F: 向前Forward B: 向后Back L: 向左Left R: 向右Right 图二	

图1

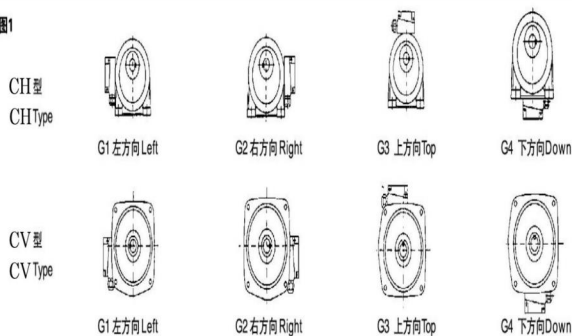


图2

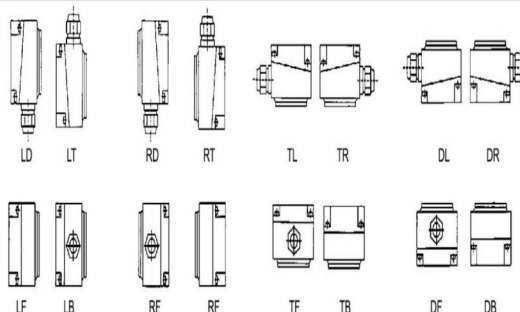


图3

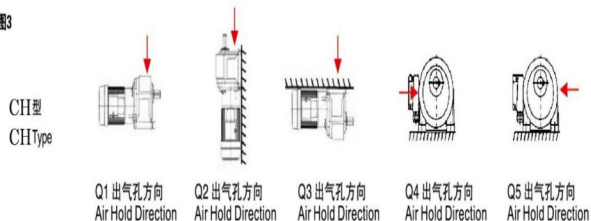


图4



小型减速电机

Small Reduction Motor

基本规范 Reduction motor specification

	项目	三相交流减速电机 3-Phase reduction motor	单相交流减速电机 1-Phase reduction motor
电机 Motor	工作制	Time duty	连续运转 Continuous running
	绝缘等级	Insulation class	B级或F级可选 Option of B class or F class
	启动方式	Starting duty	全压启动 Direct start 运转电容 Running capacitor 运转/启动电容 Running & starting
	适用环境	Environment	Temperature 温度 -10℃ ~ +40℃ Humidity 湿度 ≤90%
减速器 Reducer	减速方式	Reduce method	齿轮减速 Gear reduce
	润滑方式	Lubricanting	封闭润滑油 Lubricant
	外壳材质	Housing material	输出轴 18mm 22mm 28mm 为铝合金 32mm 40mm 50mm 为铸铁
刹车器 Brake	动作方式及使用电压	Action & Voltage	断电刹车型: DD90V Brake working when power off

单相交流减速电机 1-Phase reduction motor 单位:A

输出功率 Output power	50Hz				60Hz			
	110V	115V	220V	230V	110V	115V	220V	230V
0.1kW	1.70	1.60	0.90	0.80	1.34	1.70	0.86	0.65
0.2kW	3.20	3.00	1.50	1.40	2.50	2.31	1.25	1.23
0.4kW	6.50	6.20	3.40	3.23	4.45	5.02	2.75	2.55
0.75kW	11.4	11.0	5.9	5.75	9.53	9.13	4.86	4.61
1.5kW	21.5	20.0	11.7	11.2	17.6	16.5	9.72	8.40

三相交流减速电机 3-Phase reduction motor 单位:A

输出功率 Output power	50Hz				60Hz			
	220V	380V	415V	440V	230V	380V	415V	440V
0.1kW	0.70	0.42	0.35	0.80	0.60	0.40	0.30	0.29
0.2kW	1.20	0.67	0.70	0.56	1.10	0.65	0.55	0.52
0.4kW	2.20	1.25	1.35	1.10	1.91	1.12	0.95	0.92
0.75kW	3.51	2.21	1.95	1.81	3.41	1.98	1.70	1.63
1.5kW	6.60	3.91	3.52	3.35	6.15	3.55	3.05	2.92
2.2kW	8.92	5.23	4.48	4.50	8.75	5.10	4.35	4.16
3kW	11.6	6.72	6.15	5.8	13.92	8.06	7.38	6.96
3.7kW	11.04	8.13	7.44	7.02	16.85	9.76	8.9	8.4
5kW	18.5	10.7	9.79	9.24	22.2	12.8	11.75	11.08
5.5kW	20.4	11.82	10.82	10.2	24.48	14.18	12.98	12.24
7.5kW	27.18	15.74	14.41	13.59	32.6	18.8	17.2	16.3

其它描述 OTHER DESCRIPTION OF REDUCTION MOTOR

最大允许轴径 Max available output shaft dim

单相电机配套电容 Capacitor for 1-phase motor

标准输出轴径 Standard shaft dim	最大允许轴径 Max available dim
Φ18mm	Φ20mm
Φ22mm	Φ25mm
Φ28mm	Φ30mm
Φ32mm	Φ35mm
Φ40mm	Φ45mm
Φ50mm	Φ55mm
Φ60mm	Φ65mm

额定功率 Rated power	运转电容 Running capacitor	启动电容 Starting capacitor
100W 1/8HP	8 μF/450V	/
200W 1/8HP	15 μF/450V	/
400W 1/8HP	18 μF/450V	/
750W 1/8HP	25 μF/450V	100 μF/250V
1500W 1/8HP	35 μF/450V	200 μF/250V
2200W 1/8HP	40 μF/450V	250 μF/250V

▲ 请勿让减速电机长时间空载运行, 或长时间超负荷低速运行及堵转, 以免因升温过高而损坏电机。
Please don't run no-load long time, run over load in low speed, or locked motor to avoid excess temperature.

小型减速电机

Small Reduction Motor

基本规范 Reduction motor specification

	项目 Item	三相交流减速电机 3-Phase reduction motor	单相交流减速电机 1-Phase reduction motor
电机 Motor	工作制式 Time duty	连续运转 Continuous running	
	绝缘等级 Insulation class	B级或F级可选 Option of B class or F class	
	启动方式 Starting duty	全压启动 Direct start	0.1kW/0.2kW/0.4kW
			0.7kW~1.5kW
减速器 Reducer	适用环境 Environment	Temperature 温度-10℃~+40℃	Humidity 湿度≤90%
	减速方式 Reduce method	齿轮减速 Gear reduce	
	润滑方式 Lubricating	封闭润滑油 Lubricant	
	外壳材质 Housing material	输出轴 18mm 22mm 28mm 为铝合金 32mm 40mm 50mm 为铸铁	
刹车器 Brake	动作方式及使用电压 Action & Voltage	断电刹车型: DD90V Brake working when power off	

单相交流减速电机 1-Phase reduction motor 单位:A

输出功率 Output power	50Hz				60Hz			
	110v	115v	220v	230v	110v	115v	220v	230v
0.1kW	1.70	1.60	0.90	0.80	1.34	1.70	0.66	0.65
0.2kW	3.20	3.00	1.50	1.40	2.50	2.31	1.25	1.23
0.4kW	6.50	6.20	3.40	3.23	4.45	5.02	2.75	2.55
0.75kW	11.4	11.0	5.9	5.75	9.53	9.13	4.86	4.61
1.5kW	21.5	20.0	11.7	11.2	17.6	16.5	9.72	8.40

三相交流减速电机 3-Phase reduction motor 单位:A

输出功率 Output power	50Hz				60Hz			
	220v	380v	415v	440v	230v	380v	415v	440v
0.1kW	0.70	0.42	0.35	0.80	0.60	0.40	0.30	0.29
0.2kW	1.20	0.67	0.70	0.56	1.10	0.65	0.55	0.52
0.4kW	2.20	1.25	1.35	1.10	1.91	1.12	0.95	0.92
0.75kW	3.51	2.21	1.95	1.81	3.41	1.98	1.70	1.63
1.5kW	6.60	3.91	3.52	3.35	6.15	3.55	3.05	2.92
2.2kW	8.92	5.23	4.48	4.50	8.75	5.10	4.35	4.16
3kW	11.6	6.72	6.15	5.8	13.92	8.06	7.38	6.96
3.7kW	11.04	8.13	7.44	7.02	16.85	9.76	8.9	8.4
5kW	18.5	10.7	9.79	9.24	22.2	12.8	11.75	11.08
5.5kW	20.4	11.82	10.82	10.2	24.48	14.18	12.98	12.24
7.5kW	27.18	15.74	14.41	13.59	32.6	18.8	17.2	16.3

其它描述 OTHER DESCRIPTION OF REDUCTION MOTOR

最大允许轴径 Max available output shaft dim

标准输出轴径 Standard shaft dim	最大允许轴径 Max available dim
Φ 18mm	Φ 20mm
Φ 22mm	Φ 25mm
Φ 28mm	Φ 30mm
Φ 32mm	Φ 35mm
Φ 40mm	Φ 45mm
Φ 50mm	Φ 55mm
Φ 60mm	Φ 65mm

单相电机配套电容 Capacitor for 1-phase motor

额定功率 Rated power	运转电容 Running capacitor	启动电容 Starting capacitor
100W 1/8HP	8 μ F/450V	/
200W 1/8HP	15 μ F/450V	/
400W 1/8HP	18 μ F/450V	/
750W 1/8HP	25 μ F/450V	100 μ F/250V
1500W 1/8HP	35 μ F/450V	200 μ F/250V
2200W 1/8HP	40 μ F/450V	250 μ F/250V

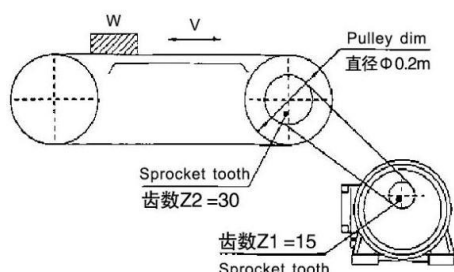
⚠ 请勿让减速电机长时间空载运行,或长时间超负荷低速运行及堵转,以免温升过高而损坏电机。
Please don't run no-load long time, run over load in low speed, or locked motor to avoid excess temperature.

小型减速电机

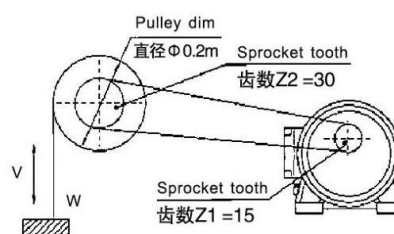
Small Reduction Motor

■ 选择计算示例 Calculation for selection

Example1



Example2



物体总重量: $W = 400\text{kg}$	运行速度: $V = 80\text{ m/min}$	物体与输送带摩擦系数: $\mu = 0.15$	链轮传动效率: $\eta_1 = 0.95$
电机传动效率: $\eta_2 = 0.95$	运转时间: 8 hour 小时/day 天	启动次数: 1/min	电源: 3PH 380V 50Hz

	选型计算说明 Description of calculation			
	Example1	Example2	Example1	Example2
减速比 Ratio	先确定减速电机的减速比 Calculate the reduction ratio 先求出输出滚轴转速 (N_1); $N_1 = V / (D \times \pi)$ Find the revolution of conveyer pulley first 再求出输出轴转速 (N_2); $N_2 = N_1 / (Z_2 / Z_1)$ Find the output shaft revolution 计算所需的减速比 (i) Calculate reduction ratio 电机转速 $i = N_2 / n$ N : motor speed		$N_1 = V / (D \times \pi) = 80 / (0.2 \times 3.14) = 12.7\text{ r/min}$ $N_2 = N_1 \times (Z_2 / Z_1) = 12.7 \times (30 / 15) = 25.4\text{ r/min}$ $i = 25.4 / 1500 \approx 60\text{ r/min}$	
扭矩 Torque	确定所需扭矩 Calculate the torque by the condition of the machine used 先确定输送滚轴扭矩 (T_1) Find the torque of conveyer pulley first		$T_1 = (\mu \times W \times D / 2) / \eta_1$ $= (0.15 \times 400 \times 0.2 / 2) / 0.95$ $= 5.9\text{ kgf.m}$	
	滚轮半径 $T_1 = (\mu \times W \times R) / \eta_1$ R : Pulley radius	滚轮半径 $T_1 = (\mu \times W \times R) / \eta_1$ R : Pulley radius	$T_1 = (W \times D / 2) / \eta_1$ $= (400 \times 0.2 / 2) / 0.95$ $= 42\text{ kgf.m}$	
	计算机所需电机扭矩 (T_2) Find the output torque of reduction motor $T_2 = T_1 \times (Z_1 / Z_2) \eta_2$		$T_2 = T_1 \times (Z_1 / Z_2) / \eta_2$ $= 5.9 \times (15 / 30) / 0.95$ $= 3.10\text{ kgf.m}$	
负荷条件 Load conditions	Find corrective torquer according to load condition 根据运转条件, 确定修正所需的电机扭矩 (T_3) 运转系数 K : coefficient		$T_3 = T_2 \times K$ $= 3.1 \times 1.25$ $= 3.875\text{ kgf.m}$	
	Load 负荷等级 classification	每天使用时间 Duration of service per day		
		0.5hr 2hr 8-10hr 10-24hr		
	均一负荷	0.80 0.90 1.00 1.25		
功率 Power	确定减速电机的输出功率 (P) Calculate the output power $P = T_3 \times 9.8 \times N_2 / 9550$ (KW)		$P = T_3 \times 9.8 \times N_2 / 9550$ $= 3.875 \times 9.8 \times 25.4 / 9550$ $= 0.10\text{ (KW)}$	
			$P = T_3 \times 9.8 \times N_2 / 9550$ $= 27.62 \times 9.8 \times 25.4 / 9550$ $= 0.72\text{ (KW)}$	

根据计算出的功率 (P) 和减速比 (i) 结合公司产品目录, 选择适用的减速电机型号。

According to power (P) reduction ratio (i) and the mode-reduction ratio reference table, to select the suitable reduction motor type.

▲ 订购本公司减速电机时, 请说明以下产品信息:

减速器的基本参数 (如电机功率、减速比、输出轴直径、安装方式及产品型号等)

关于表面喷涂, 如无指定, 本公司该系列产品的表面颜色为HL1色, 也可按用户要求

带刹车器的减速电机总长度比不带刹车器的减速电机长度增加10mm

The customer should provide us the following information when you want to order reduction motor;

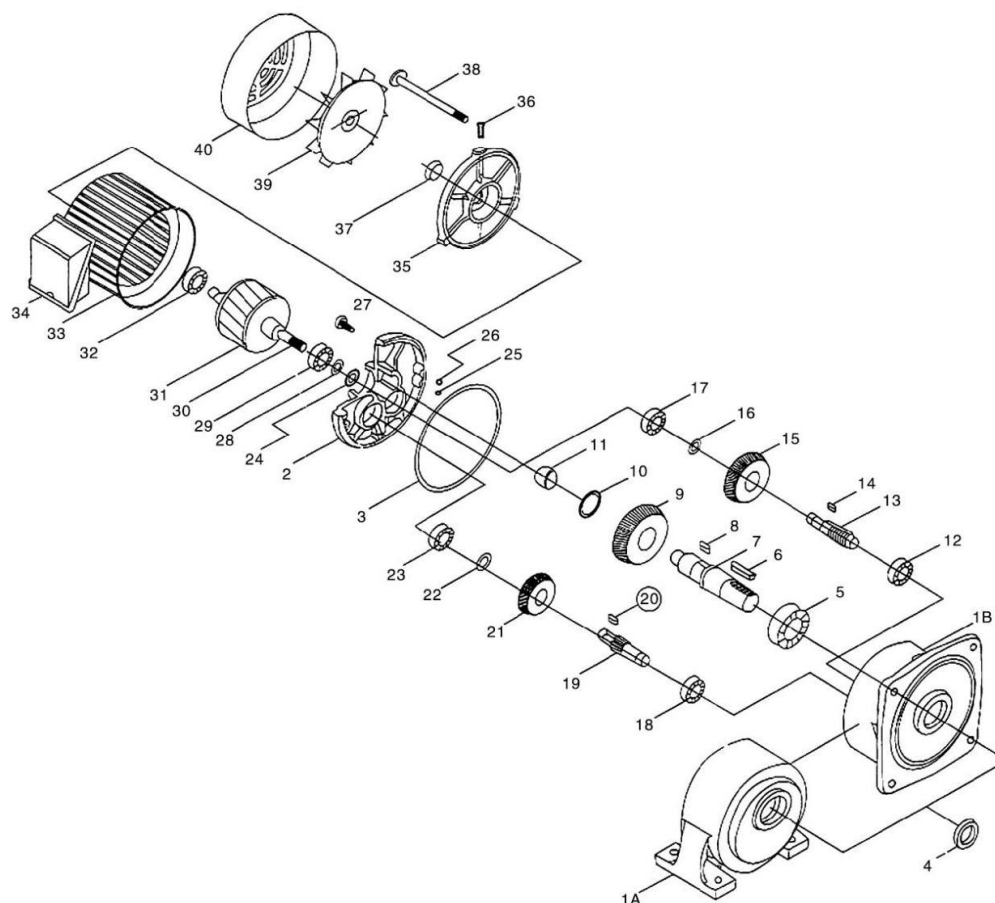
Basic parameters of reducer (including motor power, reduction ratio, output shaft diameter, motor mode, etc.)

Painting on outside body: the color of series reduction motor is painted with HL1, also we can paint according with customer's request.

The total length of brake motors will be 10mm longer than standard motors

小型减速电机 Small Reduction Motor

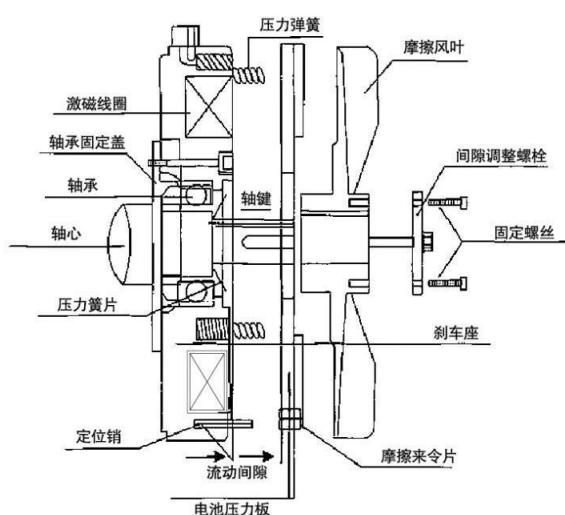
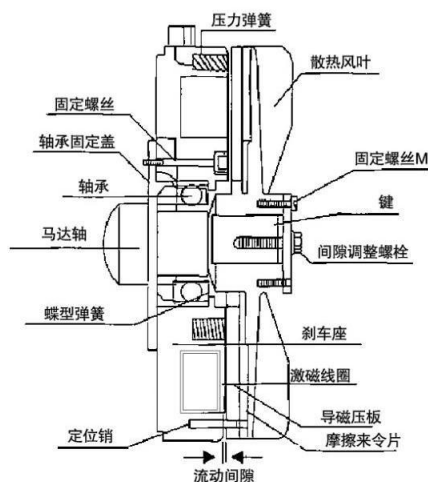
■ 产品结构图 Details partslist



■ 明细表 Parts List

序号 Item	名称 Name	序号 Item	名称 Name	序号 Item	名称 Name
1A	卧式 Horizontal Housing	14	三级小齿轴键 Key-3RDStage Pinion	28	玻形垫圈 Wave Spring
1B	立式 Vertical Housing	15	二级大齿轮 Gear-2ND Stage	29	电机轴承 Bearing of Shaft
2	电机前盖 Front Cover	16	C-挡圈 Snap Ring	30	电机齿轴 Motor Shaft
3	O形圈 Oil Ring	17	三级齿轴承 Bearing-3RDStage Pinion	31	转子 Rotor
4	输出轴油封 Oil Seal-Output Shaft	18	二级齿轴承 Bearing-2NDStage Pinion	32	电机轴承 Bearing of Shaft
5	输出轴承 Bearing-Output Shaft	19	二级小齿轴 Pinion-2NDStage	33	定子总成 Stator
6	输出轴键 Key-Output Shaft	20	二级小齿轴键 Key-2NDStage Pinion	34	铝接线盒 Wire Box
7	输出轴 Output Shaft	21	一级大齿轮 Gear-1ST Stage	35	电机后盖 Rear Cover
8	三级小齿轴键 Key-3RD Pinion	22	C-挡圈 Snap Ring	36	风罩螺钉 Screw-Fan Cover
9	三级大齿轮 Gear-3RD Stage	23	二级齿轴承 BEaring-2NDStage Pinion	37	后盖油封 Oil Seal-Rear cover
10	C-挡圈 Snap Ring	24	输入侧油封 Oil Seal-Motor Shaft	38	电机螺杆 Bolt
11	输出轴自润轴承 Oilless Bearing	25	定位销 Pin	39	风叶 Fan
12	二级齿轴承 Bearing-2NDStage Pinion	26	O形圈 O-Ring	40	风罩 Fan Cover
13	三级小齿轴 Pinion-3RDStage	27	由六角螺钉 Hex-Head Screw		

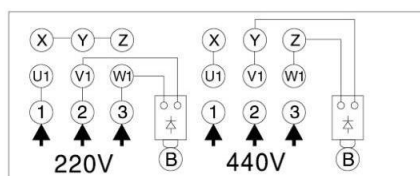
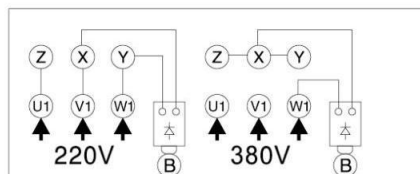
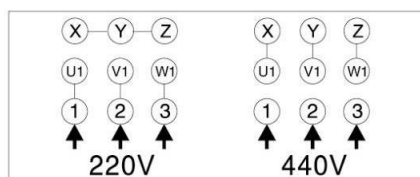
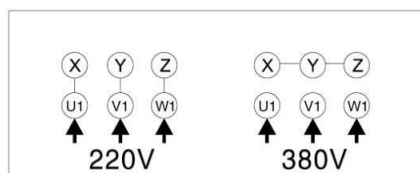
■ 刹车零件分解图 Brake unit section diagram



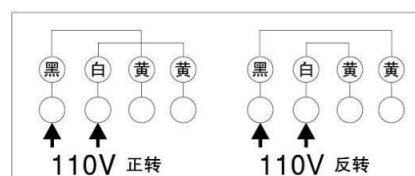
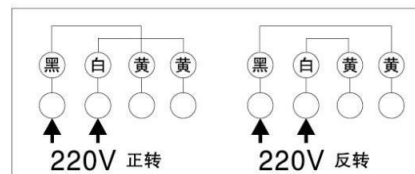
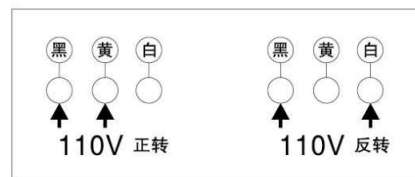
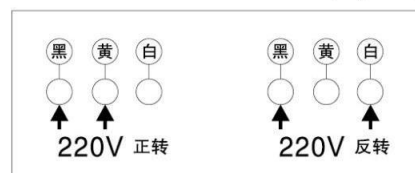
■ 明细表 Parts List

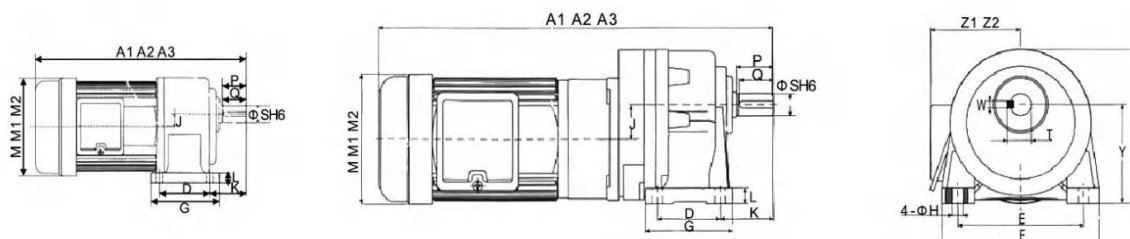
序号 Item	名称 Name	序号 Item	名称 Name
1	压力弹簧 Pressure Spring	9	固定螺丝M Fixed Screw
2	固定螺丝 Fixed Screw	10	固键 Key
3	轴承固定盖 Fixed Bearing Cover	11	调整螺栓 Gap Adjustment Bolt
4	轴承 Bearing	12	刹车座 Brake Housing
5	马达轴 Motor	13	激磁线圈 Brake Coil
6	蝶型弹簧 Disc Spring	14	导磁压板 Friction Plate
7	定位销 Fixed Pin	15	摩擦来令片 Friction Brake Disc
8	散热风叶 Fan		

■ 接线方式 Wiring Diagram 三相(3-phase)



单相(1-phase)





出力轴尺寸 output shaft						出力轴尺寸 output shaft					
出力轴 shaft	键槽 keyway				键 key	出力轴 shaft	键槽 keyway				键 key
Sh6	P	W	T	Q	SPEC	Φ28	43	7	31	40	7*7*40
Φ18	30	5	20.2	25	5*5*25	Φ32	55	10	35.5	50	10*8*50
Φ22	38	7	25	35	7*7*35	备注:A1、M1、Z1为三相马达尺寸; A3为三相带刹车马达尺寸; A2、M2、Z2为单相马达尺寸。					

11筒电机直径是127mm;定子直径110mm

Note:A1/M1/Z1 are the sizes of three-phase motors; A3 is the size of three-phase motor with brakes; A2/M2/Z2 are the sizes of single-phase motors

外形尺寸 Overall Dimensions

功率 HP-4P	减速比Ratio	定子直径Φ +出轴尺寸	A1	A2	A3	D	E	F	G	H	L	J	K	电机筒直径 M1 M2		X	Y	Z1	Z2	重量KG
200W 1/4HP	40K-128K	110+18	297	297	297	40	110	134.5	64	9	9.5	16	47.6	128	128	140.5	90	102	102	6.7
	2.5K-180K	110+22	319	319	319	65	130	162.5	90	11	15.5	18.17	60	128	128	161	98.5	102	102	8.6
	2.5K-180K	110+22(2#)	319	319	319	65	130	159	90	11	15.5	18.17	55	128	128	161	98	102	102	8.6
	2.5K-200K	110+28	346	346	346	90	140	179	122	12.5	17	20.83	64.6	128	128	187	117	102	102	11
	2.5K-200K	110+28(2#)	346	346	346	90	140	179	120	12.5	18.5	20.83	63.5	128	128	187	117	102	102	11
	250K-23000K	110+18+22	418	418	418	65	130	162.5	90	11	15.5	34.17	60	128	128	161	98.5	102	102	29.6
	250K-23000K	110+18+22(2#)	418	418	418	65	130	159	90	11	15.5	34.17	55	128	128	161	98	102	102	29.6
	250K-25000K	110+18+28	446	446	446	90	140	179	122	12.5	17	36.83	64.6	128	128	187	117	102	102	29.6
	250K-25000K	110+18+28(2#)	446	446	446	90	140	179	120	12.5	18.5	36.83	63.5	128	128	187	117	102	102	29.6
	250K-36000K	110+22+32	489	489	489	130	170	213	160	13.5	27.5	48.39	76	128	128	223	140.4	102	102	29.6
	250K-36000K	110+22+32(2#)	489	489	489	130	170	214	160	13.5	26	48.39	70	128	128	218	141.7	102	102	29.6
	250K-40000K	110+28+40	555	555	555	150	210	264	190	16	26	63.03	84	128	128	264.5	162.2	132	132	29.6
250K-38000K	110+28+50	595	595	595	170	265	335	212.5	19	30	72.53	99	129	128	326	201.7	167.5	167.5	29.6	

外形尺寸 Overall Dimensions (短箱体 Short Case Type)

功率 HP-4P	减速比Ratio	定子直径Φ +出轴尺寸	A1	A2	A3	D	E	F	G	H	L	J	K	电机筒直径 M1 M2		X	Y	Z1	Z2	重量KG
200W 1/4HP	3K~30K	110+18	287	287	287	40	110	134.5	64	9	9.5	16	48	128	128	140.5	90	102	102	6.7
	250K~5400K	110+18+22	408	408	408	65	130	162.5	90	11	15.5	34.17	60	128	128	153	98.5	102	102	8.6
	250K~5400K	110+18+22(2#)	408	408	408	65	130	159	90	11	15.5	34.17	55	128	128	153	98	102	102	8.6
	250K~6000K	110+18+28	436	436	436	90	140	179	122	12.5	17	36.83	64.6	128	128	179	117	102	102	11
	250K~6000K	110+18+28(2#)	436	436	436	90	140	179	120	12.5	18.5	36.83	63.5	128	128	179	117	102	102	11

容许转矩 ALLOWABLE TORQUE 单位: N.m

减速比Ratio		3	5	10	15	20	25	30	40	45	50	60	70	80	90	100	120	140	160	180	200
转速 Speed RPM	50Hz	500	300	150	100	75	60	50	27.5	33.3	30	25	21.4	18.8	16.7	15	12.5	10.7	9.4	8.33	7.5
	60Hz	600	360	180	120	90	72	60	45	40	36	30	25.7	22.5	20	18	15	12.9	11.3	10	9
标准型 Normal	50Hz	3.70	6.20	12.5	18.2	24.0	30.0	36.0	46.0	54.0	57.0	69.0	80.0	92.0	103	115	138	160	183	207	229
	60Hz	3.10	5.20	10.4	15.0	20.0	25.0	30.0	39.0	44.0	48.0	58.0	68.0	77.1	86.1	96.1	115	134	153	173	197
缩框型 Lith duty	50Hz	/	/	/	16.0	21.0	27.0	32.4	34.0	34.0	34.0	34.0	34.0	34.0	34.0	108	116	116	116	116	116
	60Hz	/	/	/	13.0	18.0	22.5	27.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	90	108	116	116	116	116

▲ 表列转速是基于电机同步转速 (50Hz:1500r/min、60Hz:1800r/min),额定负载时,实际转速为表列转速的80%~98%。

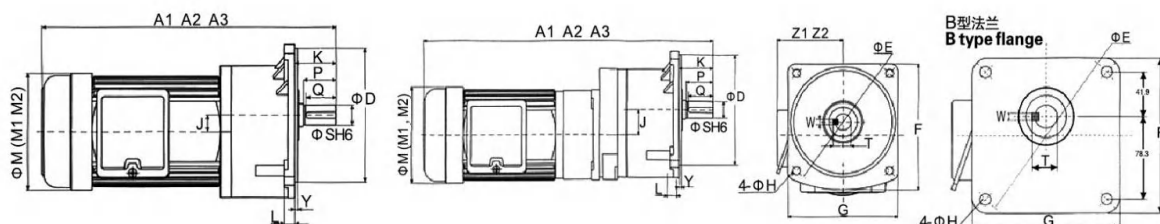
缩框型为非正常设计使用,如非必要请勿选用,实际值可能与上述参数有差异,若需具体参数,敬请咨询本公司或浏览网站。

参数可能会因技术改进而更改,恕不另行通知。未经允许,不得转载本样本的图文内容。

1. Spend figures are based on synchronous speed(50Hz:1500r/min、60Hz:1800r/min),the actual output speed under rated torque conditions, is about 2-20% less than synchronous speed .

2. Light duty type is not available for standred application design, it is only suitable for special project design. As te-chnical data for these machines may be advantaged, please contact us or visit the company website.

3. The specifications of the product may be modified for improvement without notice. Not allow for publish without formal approved.



备注: A1、M1、Z1为三相马达尺寸;

A3为三相带刹车马达尺寸;

A2、M2、Z2为单相马达尺寸。

Note: A1/M1/Z1 are the sizes of three-phase motors;

A3 is the size of three-phase motors with brakes;

A2/M2/Z2 are the sizes of single-phase motors

出力轴尺寸 output shaft

出力轴 shaft		键槽 keyway			键 key
Sh6	P	W	T	Q	SPEC
Φ 18	30	5	20.2	25	5*5*25
Φ 22	38	7	25	35	7*7*35
Φ 28	43	7	31	40	7*7*40

11筒电机直径是127mm; 定子直径110mm

外形尺寸 Overall Dimensions

功率 HP-4P	减速比Ratio	定子直径Φ +出轴尺寸	A1	A2	A3	D	E	F	G	H	L	J	K	电机筒直径 M1 M2	X	Y	Z1	Z2	重量KG
200W 1/4HP	40K-128K	110+18	297	297	297	50	140	121	121	9	12	16	38	128	128	4	102	102	6.9
	2.5K-180K	110+22	319	319	319	148	185	169	155	11	12	18.17	48	128	128	3.5	102	102	8.6
	2.5K-200K	110+28	346	346	346	170	220	194	180	12.5	15	20.83	54	128	128	4	102	102	11
	250K-23000K	110+18+22	418	418	433	148	185	169	155	11	12	34.17	48	128	128	3.5	102	102	29.6
	250K-25000K	110+18+28	446	446	446	170	220	194	180	12.5	15	36.83	54	128	128	4	102	102	29.6
	2.5K-180K	110+22(B型法兰)	319	319	319	55	170	146.5	146.5	11	11.5	18.17	48.5	128	128	5.5	102	102	29.6
	2.5K-180K	110+22(C型法兰)	319	319	319	90	139	145.5	145.5	M8		18.17	49	128	128	4.5	102	102	29.6
	250K-36000K	110+22+32	489	489	489	185	255	242	223	13.5	15	48.39	66.3	128	128	1.4	111.5	111.5	29.6
	250K-40000K	110+28+40	554	554	554	230	310	300	274.5	16	21.5	63.03	76	128	128	5	138	138	29.6
	250K-38000K	110+28+50	595	595	595	280	390	361	319	19	20	72.53	85	128	128	5	159.5	159.5	29.6

外形尺寸 Overall Dimensions (短箱体 Short Case Type)

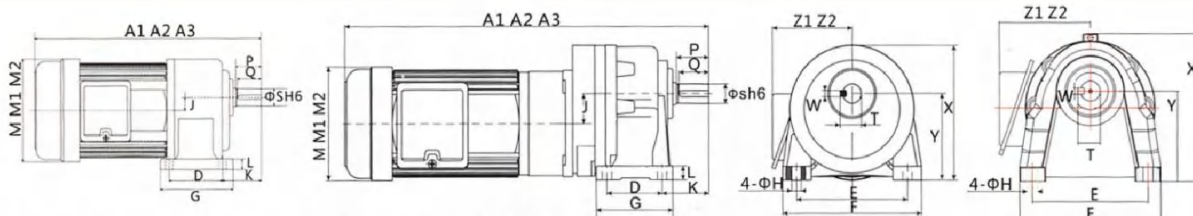
功率 HP-4P	减速比Ratio	定子直径Φ +出轴尺寸	A1	A2	A3	D	E	F	G	H	L	J	K	电机筒直径 M1 M2	X	Y	Z1	Z2	重量KG
200W 1/4HP	3K-30K	110+18	287	287	287	50	140	121	121	9	12	16	38	128	128	4	102	102	6.9
	250K-5400K	110+18+22	408	408	423	148	185	169	155	11	12	34.17	48	128	128	3.5	102	102	29.6
	250K-6000K	110+18+28	436	436	436	170	220	194	180	12.5	15	36.83	54	128	128	4	102	102	29.6

容许转矩 ALLOWABLE TORQUE 单位: N.m

减速比 Ratio		3	5	10	15	20	25	30	40	45	50	60	70	80	90	100	120	140	160	180	200
转速 Speed RPM	50Hz	500	300	150	100	75	60	50	27.5	33.3	30	25	21.4	18.8	16.7	15	12.5	10.7	9.4	8.33	7.5
	60Hz	600	360	180	120	90	72	60	45	40	36	30	25.7	22.5	20	18	15	12.9	11.3	10	9
标准型 Normal	50Hz	3.70	6.20	12.5	18.2	24.0	30.0	36.0	46.0	54.0	57.0	69.0	80.0	92.0	103	115	138	160	183	207	229
	60Hz	3.10	5.20	10.4	15.0	20.0	25.0	30.0	39.0	44.0	48.0	58.0	68.0	77.1	86.1	96.1	115	134	15.3	173	197
缩框型 Light duty	50Hz	/	/	/	16.0	21.0	27.0	32.4	34.0	34.0	34.0	34.0	34.0	34.0	34.0	108	116	116	116	116	116
	60Hz	/	/	/	13.0	18.0	22.5	27.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	90	108	116	116	116	116

▲ 表列转速是基于电机同步转速 (50Hz:1500r/min、60Hz:1800r/min), 额定负载时, 实际转速为表列转速的80%~98%。
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参数可能会因技术改进而更改, 恕不另行通知。未经允许, 不得转载本样本的图文内容。

1. Speed figures are based on synchronous speed (50Hz:1500r/min、60Hz:1800r/min), the actual output speed under rated torque conditions, is about 2-20% less than synchronous speed.
2. Light duty type is not available for standard application design, it is only suitable for special project design. As technical data for these machines may be advantaged, please contact us or visit the company website.
3. The specifications of the product may be modified for improvement without notice. Not allow for publish without formal approved.



11筒电机直径是127mm;定子直径110mm 14筒电机直径是168mm;定子直径140mm

出力轴尺寸 output shaft											
出力轴 shaft		键槽 keyway			键 key	出力轴 shaft		键槽 keyway			键 key
Sh6	P	W	T	Q	SPEC	Sh6	P	W	T	Q	SPEC
Φ18	30	5	20.2	25	5*5*25	Φ32	55	10	35.5	50	10*8*50
Φ22	38	7	25	35	7*7*35	Φ40	65	10	43.5	60	10*8*60
Φ28	43	7	31	40	7*7*40	Φ50	77	14	54	75	14*9*75

备注:A1、M1、Z1为三相马达尺寸; A3为三相带刹车马达尺寸; A2、M2、Z2为单相马达尺寸。

Note:A1/M1/Z1 are the sizes of three-phase motors; A3 is the size of three-phase motors with brakes; A2/M2/Z2 are the sizes of single-phase motors

■ 外形尺寸 Overall Dimensions (2#箱体为新款)

功率 HP-4P	减速比Ratio	定子直径Φ+出轴尺寸	A1	A2	A3	D	E	F	G	H	L	J	K	电机筒直径		M1	M2	X	Y	Z1	Z2	重量KG
400W 1/4HP	40K~128K	110+18	316	316	316	40	110	134.5	64	9	9.5	16	48	128	128	128	128	140.5	90	102	102	6.7
	2.5K~180K	110+22	338	338	338	65	130	162.5	90	11	15.5	18.17	60	128	128	128	128	161	98.5	102	102	8.6
	2.5K~180K	110+22(2#)	338	338	338	65	130	159	90	11	15.5	18.17	55	128	128	128	128	161	98	102	102	8.6
	2.5K~200K	110+28	366	366	366	90	140	179	122	12.5	17	20.83	64.6	128	128	128	128	187	117	102	102	11
	2.5K~200K	110+28(2#)	366	366	366	90	140	179	120	12.5	18.5	20.83	63.5	128	128	128	128	187	117	102	102	11
	250K~23000K	110+18+22	437	437	437	65	130	162.5	90	11	15.5	34.17	60	128	128	128	128	161	98.5	102	102	8.6
	250K~23000K	110+18+22(2#)	437	437	437	65	130	159	90	11	15.5	34.17	55	128	128	128	128	161	98	102	102	8.6
	250K~25000K	110+18+28	465	465	465	90	140	179	122	12.5	17	36.83	64.6	128	128	128	128	187	117	102	102	8.6
	250K~25000K	110+18+28(2#)	465	465	465	90	140	179	120	12.5	18.5	36.83	63.5	128	128	128	128	187	117	102	102	8.6
	250K~36000K	110+22+32	508	508	508	130	170	213	160	13.5	27.5	48.39	76	128	128	128	128	223	140.4	106.5	106.5	8.6
	250K~36000K	110+22+32(2#)	508	511	511	130	170	214	160	13.5	26	48.39	70	128	128	128	128	218	141.7	107	107	8.6
	250K~40000K	110+28+40	574	574	574	150	210	264	190	16	26	63.03	84	128	128	128	128	264.5	162.2	132	132	8.6
	250K~38000K	110+28+50	614	614	614	170	265	335	212.5	19	30	72.53	99	128	128	128	128	326	201.7	167.5	167.5	8.6

■ 外形尺寸 Overall Dimensions (短箱体)

功率 HP-4P	减速比Ratio	定子直径Φ+出轴尺寸	A1	A2	A3	D	E	F	G	H	L	J	K	电机筒直径 M1 M2		X	Y	Z1	Z2	重量KG
400W 1/4HP	3K~30K	110+18	306	306	306	40	110	134.5	64	9	9.5	16	48	128	128	140.5	90	102	102	6.7
	250K~5400K	110+18+22	427	427	427	65	130	162.5	90	11	15.5	34.17	60	128	128	161	98.5	102	102	8.6
	250K~5400K	110+18+22(2#)	427	427	427	65	130	159	90	11	15.5	34.17	55	128	128	161	98	102	102	8.6
	250K~6000K	110+18+28	455	455	455	90	140	179	122	12.5	17	36.83	64.6	128	128	187	117	102	102	8.6
	250K~6000K	110+18+28(2#)	455	455	455	90	140	179	120	12.5	18.5	36.83	63.5	128	128	187	117	102	102	8.6

■ 容许转矩 ALLOWABLE TORQUE 单位: N.m

减速比 Ratio		3	5	10	15	20	25	30	40	45	50	60	70	80	90	100	120	140	160	180	200
转速 Speed RPM	50Hz	500	300	150	100	75	60	50	27.5	33.3	30	25	21.4	18.8	16.7	15	12.5	10.7	9.4	8.33	7.5
	60Hz	600	360	180	120	90	72	60	45	40	36	30	25.7	22.5	20	18	15	12.9	11.3	10	9
标准型 Normal	50Hz	7.00	12.0	24.0	36.0	48.0	60.0	72.0	93.0	109	116	139	162	184	207	230	138	320	363	408	432
	60Hz	6.00	10.0	24.0	30.0	40.0	50.0	60.0	78.0	91.0	97.0	116	135	154	173	192	115	267	303	340	360
缩框型 Lith duty	50Hz	/	/	/	31.0	42.0	52.5	63.0	84.0	94.5	103	103	103	103	103	229	116	229	229	229	229
	60Hz	/	/	/	26.0	35.0	43.7	52.5	70.0	78.0	98.1	103	103	103	103	229	108	229	229	229	229

▲ 表列转速是基于电机同步转速 (50Hz:1500r/min、60Hz:1800r/min),额定负载时,实际转速为表列转速的80%~98%。

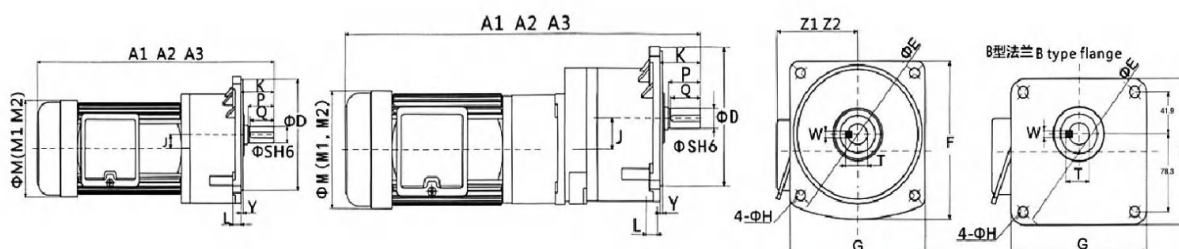
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3. The specifications of the product may be modified for improvement without notice. Not allow for publish without formal approved.



备注: A1、M1、Z1为三相马达尺寸;

A3为三相带刹车马达尺寸;

A2、M2、Z2为单相马达尺寸。

Note: A1/M1/Z1 are the sizes of three-phase motors;

A3 is the size of three-phase motors with brakes;

A2/M2/Z2 are the sizes of single-phase motors

出力轴尺寸 output shaft

出力轴 shaft		键槽 keyway			键 key
Sh6	P	W	T	Q	SPEC
Φ18	30	5	20.2	25	5*5*25
Φ22	38	7	25	35	7*7*35
Φ28	43	7	31	40	7*7*40
Φ32	55	10	35.5	50	10*8*50

11筒电机直径是127mm; 定子直径110mm

14筒电机直径是168mm; 定子直径140mm

外形尺寸 Overall Dimensions

功率 HP-4P	减速比Ratio	定子直径Φ+出轴尺寸	A1	A2	A3	D	E	F	G	H	L	J	K	电机筒直径 M1 M2	X	Y	Z1	Z2	重量KG
400W 1/2HP	40K-128K	110+18	316	316	316	50	140	121	121	9	12	16	38	128	128	4	102	102	6.7
	2.5K-180K	110+22	338	338	338	148	185	169	155	11	12	18.17	48	128	128	3.5	102	102	8.6
	2.5K-180K	110+22(B型法兰)	338	338	338	55	170	146.5	146.5	11	11.5	18.17	48.5	128	128	5.5	102	102	8.6
	2.5K-180K	110+22(C型法兰)	338	338	338	90	139	145.5	145.5	M8		18.17	49	128	128	4.5	102	102	8.6
	2.5K-200K	110+28	365	365	365	170	220	194	180	12.5	15	20.83	54	128	128	4	102	102	11
	3K-200K	110+32	404	404	404	185	255	242	223	13.5	15	30.22	66.3	128	128	1.4	111.5	111.5	11
	250K-23000K	110+18+22	437	437	452	148	185	169	155	11	12	34.17	48	128	128	3.5	102	102	12
	250K-25000K	110+18+28	465	465	465	170	220	194	180	12.5	15	36.83	54	128	128	4	102	102	13
	250K-36000K	110+22+32	508	508	508	185	255	242	223	13.5	15	48.39	66.3	128	128	1.4	111.5	111.5	15
	250K-40000K	110+28+40	574	574	574	230	310	300	274.5	16	21.5	63.03	76	128	128	5	138	138	16
	250K-38000K	110+28+50	614	614	614	280	390	361	319	19	20	72.53	85	128	128	5	159.5	159.5	17

外形尺寸 Overall Dimensions(短箱体)

功率 HP-4P	减速比Ratio	定子直径Φ+出轴尺寸	A1	A2	A3	D	E	F	G	H	L	J	K	电机筒直径 M1 M2	X	Y	Z1	Z2	重量KG
400W 1/2HP	3K-30K	110+18	306	306	306	50	140	128	121	9	12	16	38	128	128	4	102	102	6.7
	250K-54000K	110+18+22	427	427	442	148	185	169	155	11	12	34.17	48	128	128	3.5	102	102	8.6
	250K-60000K	110+18+28	455	455	455	170	220	194	180	12.5	15	36.83	54	128	128	4	102	102	8.6

容许转矩 ALLOWABLE TORQUE 单位: N.m

减速比 Ratio		3	5	10	15	20	25	30	40	45	50	60	70	80	90	100	120	140	160	180	200
转速 Speed RPM	50Hz	500	300	150	100	75	60	50	27.5	33.3	30	25	21.4	18.8	16.7	15	12.5	10.7	9.4	8.33	7.5
	60Hz	600	360	180	120	90	72	60	45	40	36	30	25.7	22.5	20	18	15	12.9	11.3	10	9
标准型 Normal	50Hz	7.00	12.0	24.0	36.0	48.0	60.0	72.0	93.0	109	116	139	162	184	207	230	138	320	363	408	432
	60Hz	6.00	10.0	24.0	30.0	40.0	50.0	60.0	78.0	91.0	97.0	116	135	154	173	192	115	267	303	340	360
缩框型 Lith duty	50Hz	/	/	/	31.0	42.0	52.5	63.0	84.0	94.5	103	103	103	103	103	229	116	229	229	229	229
	60Hz	/	/	/	26.0	35.0	43.7	52.5	70.0	78.0	98.1	103	103	103	103	229	108	229	229	229	229

▲ 表列转速是基于电机同步转速 (50Hz:1500r/min、60Hz:1800r/min) 额定负载时, 实际转速为表列转速的80%~98%。

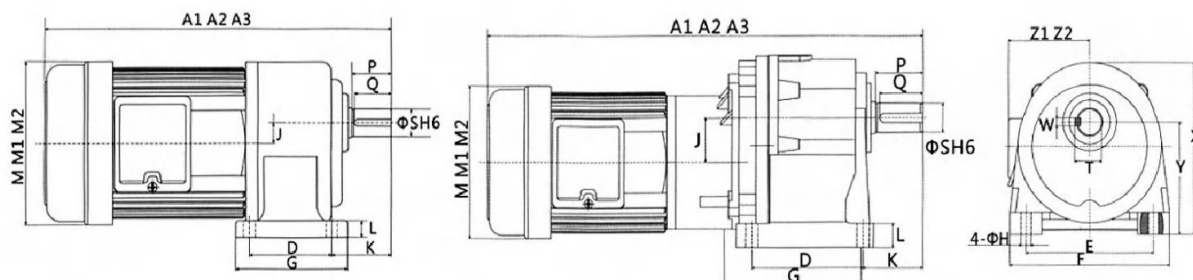
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A2、M2、Z2为单相马达尺寸。

Note: A1/M1/Z1 are the sizes of three-phase motors;

A3 is the size of three-phase motors with brakes;

A2/M2/Z2 are the sizes of single-phase motors

出力轴尺寸 output shaft					
出力轴 shaft		键槽 keyway			键 key
Sh6	P	W	T	Q	SPEC
Φ18	30	5	20.2	25	5*5*25
Φ22	38	7	25	35	7*7*35
Φ28	43	7	31	40	7*7*40
Φ32	55	10	35.5	50	10*8*50

11筒电机直径是127mm; 定子直径110mm

14筒电机直径是168mm; 定子直径140mm

■ 外形尺寸 Overall Dimensions (2#为新款减速箱)

功率 HP-4P	减速比 Ratio	定子直径Φ +出轴尺寸	A1	A2	A3	D	E	F	G	H	L	J	K	电机筒直径		X	Y	Z1	Z2	重量 KG
550W	2.5K~200K	140+28	372	372	372	90	140	179	122	12.5	17	20.83	64.6	167	167	187	117	117	117	14
	2.5K~200K	140+28(2#)	372	372	372	90	140	179	120	12.5	18.5	20.83	63.5	167	167	187	117	117	117	14
	250K~36000K	140+22+32	515	515	515	130	170	213	160	13.5	27.5	48.39	76	167	167	223	140.4	117	117	26
	250K~36000K	140+22+32(2#)	515	515	515	130	170	214	160	13.5	26	48.39	70	167	167	218	141.7	117	117	26
	250K~40000K	140+28+40	580	580	580	150	210	264	190	16	26	63.03	84	167	167	264.5	162.2	132	132	49
	250K~38000K	140+28+50	620	620	620	170	265	335	212.5	19	30	72.53	99	167	167	326	201.7	167.5	167.5	49

■ 容许转矩 ALLOWABLE TORQUE 单位: N.m

减速比 Ratio		3	5	10	15	20	25	30	40	45	50	60	70	80	90	100	120	140	160	180	200
转速 Speed RPM	50Hz	500	300	150	100	75	60	50	27.5	33.3	30	25	21.4	18.8	16.7	15	12.5	10.7	9.4	8.33	7.5
	60Hz	600	360	180	120	90	72	60	45	40	36	30	25.7	22.5	20	18	15	12.9	11.3	10	9
标准型 Normal	50Hz	7.00	12.0	24.0	36.0	48.0	60.0	72.0	93.0	109	116	139	162	184	207	230	138	320	363	408	432
	60Hz	6.00	10.0	24.0	30.0	40.0	50.0	60.0	78.0	91.0	97.0	116	135	154	173	192	115	267	303	340	360
缩框型 Lihlt duty	50Hz	/	/	/	31.0	42.0	52.5	63.0	84.0	94.5	103	103	103	103	103	229	116	229	229	229	229
	60Hz	/	/	/	26.0	35.0	43.7	52.5	70.0	78.0	98.1	103	103	103	103	229	108	229	229	229	229

▲ 表列转速是基于电机同步转速 (50Hz:1500r/min、60Hz:1800r/min)额定负载时, 实际转速为表列转速的80%~98%。

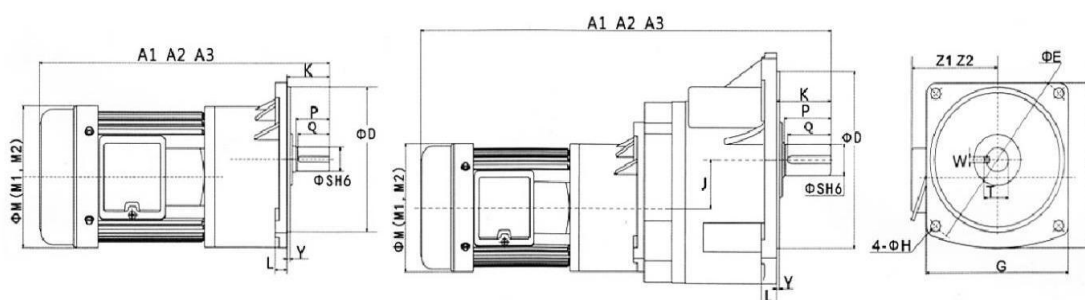
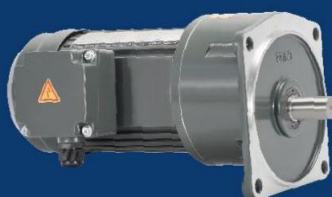
缩框型为非正常设计使用, 如非必要请勿选用, 实际值可能与上述参数有差异, 若需具体参数, 敬请咨询本公司或浏览网站。

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2.Light duty type is not available for standred application design,it is only suitable for special project design.As te-chnical data for these machines may be advantaged, please contact us or visit the company website.

3.The specifications of the product may be modified for improvement without notice. Not allow for publish without formal approved.



备注: A1、M1、Z1为三相马达尺寸;

A3为三相带刹车马达尺寸;

A2、M2、Z2为单相马达尺寸。

Note: A1/M1/Z1 are the sizes of three-phase motors;

A3 is the size of three-phase motors with brakes;

A2/M2/Z2 are the sizes of single-phase motors

出力轴尺寸 output shaft

出力轴 shaft		键槽 keyway			键 key
Sh6	P	W	T	Q	SPEC
Φ18	30	5	20.2	25	5*5*25
Φ22	38	7	25	35	7*7*35
Φ28	43	7	31	40	7*7*40
Φ32	55	10	35.5	50	10*8*50

11筒电机直径是127mm; 定子直径110mm

14筒电机直径是168mm; 定子直径140mm

外形尺寸 Overall Dimensions

功率 HP-4P	减速比 Ratio	定子直径Φ +出轴尺寸	A1	A2	A3	D	E	F	G	H	L	J	K	电机筒直径		X	Y	Z1	Z2	重量 KG
550W	2.5K-200K	140+22(C型法兰)	345	345	345	90	139	145.5	145.5	M8		18.17	49	167	167		4.5	117	117	14
	2.5K-200K	140+28	372	372	372	170	220	194	180	12.5	15	20.83	54	167	167		4	117	117	14
	250K-36000K	140+22+32	515	515	515	185	255	242	223	13.5	15	48.39	66.3	167	167		1.4	117	117	26
	250K-36000K	140+28+40	580	580	580	230	310	300	274.5	16	21.5	63.03	76	167	167		5	138	138	49
	250K-38000K	140+28+50	620	620	620	280	390	361	319	19	20	72.53	85	167	167		5	159.5	159.5	49

容许转矩 ALLOWABLE TORQUE 单位: N.m

减速比 Ratio		3	5	10	15	20	25	30	40	45	50	60	70	80	90	100	120	140	160	180	200
转速 Speed RPM	50Hz	500	300	150	100	75	60	50	27.5	33.3	30	25	21.4	18.8	16.7	15	12.5	10.7	9.4	8.33	7.5
	60Hz	600	360	180	120	90	72	60	45	40	36	30	25.7	22.5	20	18	15	12.9	11.3	10	9
标准型 Normal	50Hz	7.00	12.0	24.0	36.0	48.0	60.0	72.0	93.0	109	116	139	162	184	207	230	138	320	363	408	432
	60Hz	6.00	10.0	24.0	30.0	40.0	50.0	60.0	78.0	91.0	97.0	116	135	154	173	192	115	267	303	340	360
缩框型 Litht duty	50Hz	/	/	/	31.0	42.0	52.5	63.0	84.0	94.5	103	103	103	103	103	229	116	229	229	229	229
	60Hz	/	/	/	26.0	35.0	43.7	52.5	70.0	78.0	98.1	103	103	103	103	229	108	229	229	229	229

▲ 表列转速是基于电机同步转速 (50Hz:1500r/min、60Hz:1800r/min), 额定负载时, 实际转速为表列转速的80%~98%。

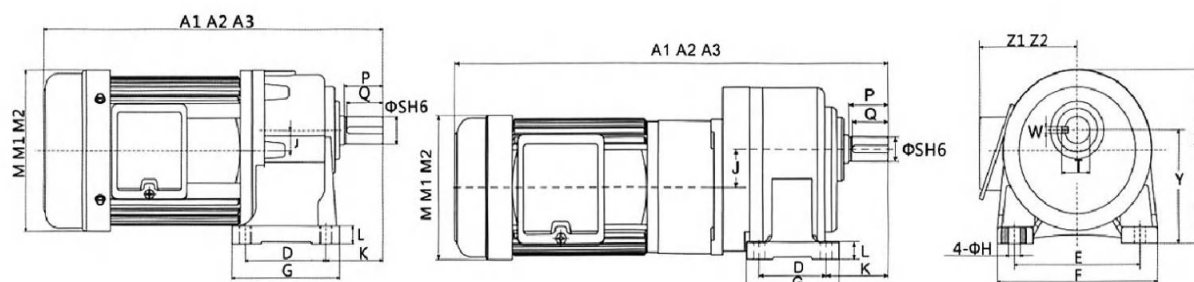
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备注: A1、M1、Z1为三相马达尺寸;

A3为三相带刹车马达尺寸;

A2、M2、Z2为单相马达尺寸。

Note: A1/M1/Z1 are the sizes of three-phase motors;

A3 is the size of three-phase motors with brakes;

A2/M2/Z2 are the sizes of single-phase motors

出力轴尺寸 output shaft					
出力轴 shaft	键槽 keyway				键 key
Sh6	P	W	T	Q	SPEC
Φ22	38	7	25	35	7*7*35
Φ28	43	7	31	40	7*7*40
Φ32	55	10	35.5	50	10*8*50
Φ40	65	10	43.5	60	10*8*60

14筒电机直径是168mm; 定子直径140mm

■ 外形尺寸 Overall Dimensions (2#为新款减速箱)

功率 HP-4P	减速比 Ratio	定子直径Φ +出轴尺寸	A1	A2	A3	D	E	F	G	H	L	J	K	电机筒直径		X	Y	Z1	Z2	重量 KG
750W 1HP	2.5K~200K	140+28	372	372	372	90	140	179	122	12.5	17	20.83	64.6	167	167	187	117	117	117	11
	2.5K~200K	140+28(2#)	372	372	372	90	140	179	120	12.5	18.5	20.83	63.5	167	167	187	117	117	117	11
	3K~200K	140+32	409	409	409	130	170	213	160	13.5	27.5	30.22	76	167	167	223	140.4	117	117	28
	3K~200K	140+32(2#)	409	409	409	130	170	214	160	14.5	26	30.22	70	167	167	218	141.7	117	117	28
	250K~40000K	140+28+40	580	580	580	150	210	264	190	16	26	63.03	84	167	167	264.5	162.2	132	132	59
	250K~38000K	140+28+50	620	620	620	170	265	335	212.5	19	30	72.53	99	167	167	326	201.7	167.5	167.5	59
	250K~38000K	140+32+50	647	647	647	170	265	335	212.5	19	30	81.92	99	167	167	326	201.7	167.5	167.5	59

■ 容许转矩 ALLOWABLE TORQUE 单位: N.m

减速比 Ratio		3	5	10	15	20	25	30	40	45	50	60	70	80	90	100	120	140	160	180	200
转速 Speed RPM	50Hz	500	300	150	100	75	60	50	27.5	33.3	30	25	21.4	18.8	16.7	15	12.5	10.7	9.4	8.33	7.5
	60Hz	600	360	180	120	90	72	60	45	40	36	30	25.7	22.5	20	18	15	12.9	11.3	10	9
标准型 Normal	50Hz	13.0	22.0	45.0	68.0	90.0	112	135	175	206	219	262	315	355	393	432	518	597	680	768	828
	60Hz	11.0	19.0	38.0	57.0	75.0	94.0	113	146	171	183	219	263	296	328	360	432	498	567	641	691
缩框型 Lihgt duty	50Hz	13.0	22.0	45.0	68.0	90.0	112	135	175	206	219	229	229	229	229	229	229	518	518	518	518
	60Hz	11.0	19.0	38.0	57.0	75.0	94.0	113	146	171	183	219	229	229	229	229	229	498	518	518	518

▲ 表列转速是基于电机同步转速 (50Hz:1500r/min、60Hz:1800r/min),额定负载时,实际转速为表列转速的80%~98%。

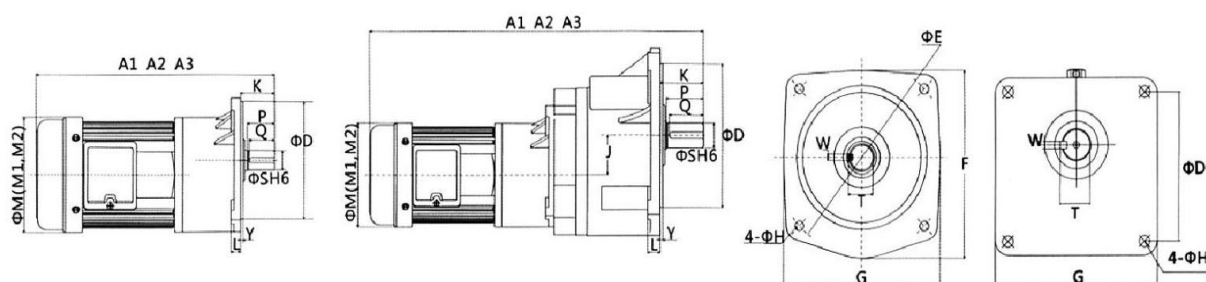
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1. Speed figures are based on synchronous speed(50Hz: 1500r/min, 60Hz:1800r/min),the actual output speed under rated torque conditions, is about 2-20% less than synchronous speed .

2. Light duty type is not available for standard application design, it is only suitable for special project design. As technical data for these machines may be advantaged, please contact us or visit the company website.

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备注: A1、M1、Z1为三相马达尺寸;

A3为三相带刹车马达尺寸;

A2、M2、Z2为单相马达尺寸。

Note: A1/M1/Z1 are the sizes of three-phase motors;

A3 is the size of three-phase motors with brakes;

A2/M2/Z2 are the sizes of single-phase motors

出力轴尺寸 output shaft

出力轴 shaft		键槽 keyway			键 key
Sh6	P	W	T	Q	SPEC
Φ22	38	7	25	35	7*7*35
Φ28	43	7	31	40	7*7*40
Φ28(B)	45	7	31	40	7*7*40
Φ32	55	10	35.5	50	10*8*50
Φ40	65	10	43.5	60	10*8*60

14筒电机直径是168mm; 定子直径140mm

外形尺寸 Overall Dimensions

功率 HP-4P	减速比 Ratio	定子直径Φ +出轴尺寸	A1	A2	A3	D	E	F	G	H	L	J	K	电机筒直径		X	Y	Z1	Z2	重量 KG
750W 1HP	2.5K~200K	140+28	372	372	372	170	220	194	180	12.5	15	20.83	54	167	167		4	117	117	15
	3K~200K	140+32	409	409	409	185	255	242	223	13.5	15	30.22	66.3	167	167		1.4	117	117	28
	250K~40000K	140+28+40	580	580	580	230	310	300	274.5	16	21.5	63.03	76	167	167		5	138	138	59
	250K~38000K	140+28+50	620	620	620	280	390	361	319	19	20	72.53	85	167	167		5	159.5	159.5	59
	250K~38000K	140+32+50	647	647	647	280	390	361	319	19	20	81.92	85	167	167		5	159.5	159.5	59
	2.5K~200K	140+28(B)	378	378	378	141.4	220	168	168	12	13	20.83	53	167	167		4	117	117	15

容许转矩 ALLOWABLE TORQUE 单位: N.m

减速比 Ratio		3	5	10	15	20	25	30	40	45	50	60	70	80	90	100	120	140	160	180	200
转速 Speed RPM	50Hz	500	300	150	100	75	60	50	27.5	33.3	30	25	21.4	18.8	16.7	15	12.5	10.7	9.4	8.33	7.5
	60Hz	600	360	180	120	90	72	60	45	40	36	30	25.7	22.5	20	18	15	12.9	11.3	10	9
标准型 Normal	50Hz	13.0	22.0	45.0	68.0	90.0	112	135	175	206	219	262	315	355	393	432	518	597	680	768	828
	60Hz	11.0	19.0	38.0	57.0	75.0	94.0	113	146	171	183	219	263	296	328	360	432	498	567	641	69.1
缩框型 Liht duty	50Hz	13.0	22.0	45.0	68.0	90.0	112	135	175	206	219	229	229	229	229	229	229	518	518	518	518
	60Hz	11.0	19.0	38.0	57.0	75.0	94.0	113	146	171	183	219	229	229	229	229	229	498	518	518	518

▲ 表列转速是基于电机同步转速 (50Hz:1500r/min、60Hz:1800r/min)额定负载时,实际转速为表列转速的80%~98%。

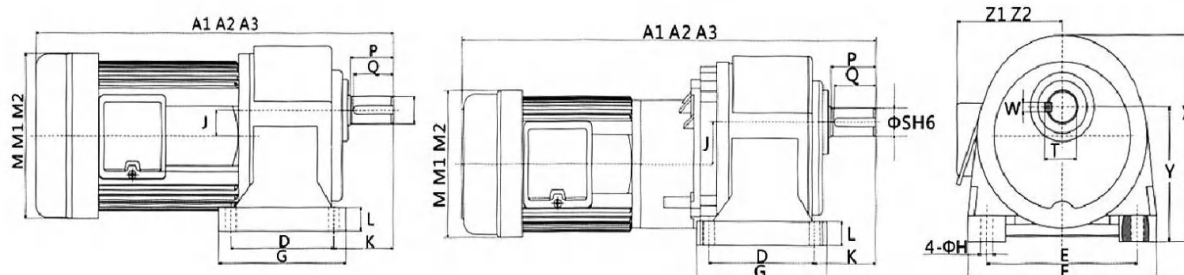
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备注: A1、M1、Z1为三相马达尺寸;

A3为三相带刹车马达尺寸;

A2、M2、Z2为单相马达尺寸。

Note: A1/M1/Z1 are the sizes of three-phase motors;

A3 is the size of three-phase motors with brakes;

A2/M2/Z2 are the sizes of single-phase motors

出力轴尺寸 output shaft

出力轴 shaft		键槽 keyway		键 key	
Sh6	P	W	T	Q	SPEC
Φ28	43	7	31	40	7*7*40
Φ32	55	10	35.5	50	10*8*50
Φ40	65	10	43.5	60	10*8*60
Φ50	77	14	54	75	14*9*75

外形尺寸 Overall Dimensions

14筒电机直径是168mm; 定子直径140mm

功率 HP-4P	减速比 Ratio	定子直径Φ +出轴尺寸	A1	A2	A3	D	E	F	G	H	L	J	K	电机筒直径		X	Y	Z1	Z2	重量 KG
1500W 2HP	3K-200K	160+28	426	426	426	90	140	179	122	12.5	17	20.83	64.6	193	193	192	117	128	128	15
	3K-200K	160+28(2#)	426	426	426	90	140	179	120	12.5	18.5	20.83	63.5	193	193	192	117	128	128	15
	3K-200K	160+32	466	466	466	130	170	213	160	13.5	27.5	30.22	76	193	193	223	140.4	128	128	34
	3K-200K	160+32(2#)	466	466	466	130	170	214	160	14.5	26	30.22	70	193	193	218	141.5	128	128	34
	3K-200K	160+40	493	493	493	150	210	264	190	16	26	42.2	84	193	193	264.5	162.2	128	128	47
	250K-40000K	160+28+40	634	634	634	150	210	264	190	16	26	63.03	84	193	193	264.5	162.2	132	132	60
2200W 3HP	250K-40000K	160+28+50	674	674	674	170	265	335	212.5	19	30	72.53	99	193	193	326	201.7	167.5	167.5	60
	250K-40000K	160+32+50	704	704	704	170	265	335	212.5	19	30	81.92	99	193	193	325	201.7	167.5	167.5	60
	3K-200K	160+32	496	496	496	130	170	213	160	13.5	27.5	30.22	76	193	193	223	140.4	128	128	34
	3K-200K	160+32(2#)	496	496	496	130	170	214	160	14.5	26	30.22	70	193	193	218	141.5	128	128	34
	3K-200K	160+40	523	523	523	150	210	264	190	16	26	42.2	84	193	193	264.5	162.2	132	132	48
	3K-190K	160+50	567	567	567	170	265	335	212.5	19	30	51.7	99	193	193	326	201.7	167.5	167.5	48
	250K-38000K	160+32+50	734	734	734	170	265	335	212.5	19	30	81.92	99	193	193	325	201.7	167.5	167.5	48

容许转矩 ALLOWABLE TORQUE 单位: N.m

功率 KW	减速比	3	5	7.5	10	15	20	25	30	40	50	60	75	80	100	120	160	200
1.5	50 转速	450	270	180	135	90	68	54	45	34	27	23	18	17	14	11	8	7
	1.5 Hz 转矩	32	53	80	106	159	212	265	318	424	531	637	796	849	1061	1273	1698	2122
1.5	60 转速	560	336	224	168	112	84	67	56	42	34	28	22	21	17	14	11	8
	1.5 Hz 转矩	26	43	64	85	128	171	213	256	341	426	512	640	682	853	1023	1364	1705
2.2	50 转速	450	270	180	135	90	68	54	45	34	27	23	18	17	14	11	8	7
	2.2 Hz 转矩	47	78	117	156	233	311	389	467	623	778	934	1167	1245	1556	1868	2490	3113
2.2	60 转速	560	336	224	168	112	84	67	56	42	34	28	22	21	17	14	11	8
	2.2 Hz 转矩	38	63	94	125	188	250	313	375	500	625	750	938	1000	1251	1501	2001	2501

▲ 表列转速是基于电机同步转速 (50Hz:1500r/min、60Hz:1800r/min) 额定负载时, 实际转速为表列转速的80%~98%。

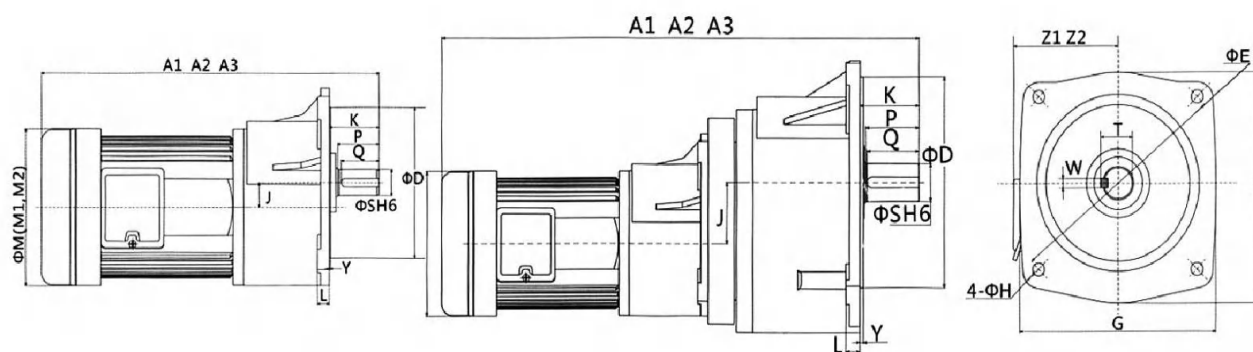
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A2、M2、Z2为单相马达尺寸。

Note: A1/M1/Z1 are the sizes of three-phase motors;

A3 is the size of three-phase motors with brakes;

A2/M2/Z2 are the sizes of single-phase motors

出力轴尺寸 output shaft

出力轴 shaft		键槽 keyway			键 key
Sh6	P	W	T	Q	SPEC
Φ28	43	7	31	40	7*7*40
Φ32	55	10	35.5	50	10*8*50
Φ40	65	10	43.5	60	10*8*60
Φ50	77	14	54	75	14*9*75

外形尺寸 Overall Dimensions

14筒电机直径是168mm; 定子直径140mm

功率 HP-4P	减速比 Ratio	定子直径Φ +出轴尺寸	A1	A2	A3	D	E	F	G	H	L	J	K	电机筒直径 M1 M2	X	Y	Z1	Z2	重量 KG
1500W 2HP	2.5K-200K	160+28	426	426	426	170	220	194	180	12.5	15	20.83	54	193	193	4	128	128	15
	3K-200K	160+32	466	466	466	185	255	242	223	13.5	15	30.22	66.3	193	193	1.4	128	128	34
	3K-200K	160+40	493	493	493	230	310	300	274.5	16	21.5	42.2	76	193	193	5	138	138	47
	250K-40000K	160+28+40	634	634	634	230	310	300	274.5	16	21.5	63.03	76	193	193	5	138	138	60
	250K-38000K	160+28+50	674	674	674	280	390	361	319	19	20	72.53	85	193	193	5	159.5	159.5	60
	250K-38000K	160+32+50	704	704	704	280	390	361	319	19	20	81.92	85	193	193	5	159.5	159.5	60
2200W 3HP	3K-200K	160+32	496	496	496	185	255	242	223	13.5	15	30.22	66.3	193	193	1.4	128	128	34
	3K-200K	160+40	523	523	523	230	310	300	274.5	16	21.5	42.2	76	193	193	5	138	138	48
	3K-190K	160+50	567	567	567	280	390	361	319	19	20	51.7	85	193	193	5	159.5	159.5	50
	250K-38000K	160+32+50	734	734	734	280	390	361	319	19	20	81.92	85	193	193	5	159.5	159.5	55

容许转矩 ALLOWABLE TORQUE 单位: N.m

功率 KW	减速比	3	5	7.5	10	15	20	25	30	40	50	60	75	80	100	120	160	200
1.5	50 转速	450	270	180	135	90	68	54	45	34	27	23	18	17	14	11	8	7
	Hz 转矩	32	53	80	106	159	212	265	318	424	531	637	796	849	1061	1273	1698	2122
1.5	60 转速	560	336	224	168	112	84	67	56	42	34	28	22	21	17	14	11	8
	Hz 转矩	26	43	64	85	128	171	213	256	341	426	512	640	682	853	1023	1364	1705
2.2	50 转速	450	270	180	135	90	68	54	45	34	27	23	18	17	14	11	8	7
	Hz 转矩	47	78	117	156	233	311	389	467	623	778	934	1167	1245	1556	1868	2490	3113
2.2	60 转速	560	336	224	168	112	84	67	56	42	34	28	22	21	17	14	11	8
	Hz 转矩	38	63	94	125	188	250	313	375	500	625	750	938	1000	1251	1501	2001	2501

▲ 表列转速是基于电机同步转速 (50Hz:1500r/min、60Hz:1800r/min), 额定负载时, 实际转速为表列转速的80%~98%。

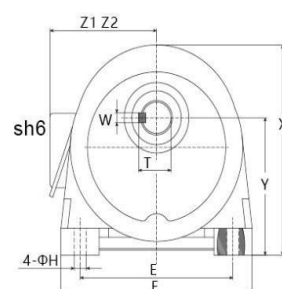
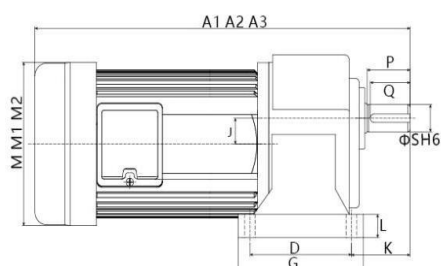
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1. Spend figures are based on synchronous speed (50Hz:1500r/min、60Hz:1800r/min), the actual output speed under rated torque conditions, is about 2-20% less than synchronous speed.

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备注:A1、M1、Z1为三相马达尺寸;

A3为三相带刹车马达尺寸;

A2、M2、Z2为单相马达尺寸。

Note:A1/M1/Z1 are the sizes of three-phase motors;

A3 is the size of three-phase motors with brakes

A2/M2/Z2 are the sizes of single-phase motors

出力轴尺寸 output shaft

出力轴 shaft		键槽 keyway			键 key
Sh6	P	W	T	Q	SPEC
Φ32	55	10	35.5	50	10*8*50
Φ40	65	10	43.5	60	10*8*60
Φ50	77	14	54	75	14*9*75

18筒电机直径是220mm;定子直径180mm

18 barrel motor diameter 220mm, stator diameter 180mm

外形尺寸 Overall Dimensions

功率 HP-4P	减速比 Ratio	定子直径Φ +出轴尺寸	A1	A2	A3	D	E	F	G	H	L	J	K	电机轴直径		X	Y	Z1	Z2	重量 KG
3000W 4HP	3K~200K	180+40	473		473	150	210	264	190	16	26	42.2	84	M1	M2	264.5	162.2	138		50
3700W 5HP	3K~200K	180+40	493		493	150	210	264	190	16	26	42.2	84	M1	M2	264.5	162.2	138		57

容许转矩 ALLOWABLE TORQUE 单位: N.m

功率 KW	减速比	3	4	5	6	7.5	10	15	20	25	30	40	50	60	75	80	90	100	120	140	160	180	200
50	转速	450	338	270	225	180	135	90	68	54	45	34	27	23	18	17	15	14	11	10	8	8	7
3	Hz 转矩	64	85	106	127	159	212	318	424	531	637	849	1061	1273	1592	1698	1910	2122	2547	2971	3396	3820	4244
3	60 转速	560	420	336	280	224	168	112	84	67	56	42	34	28	22	21	19	17	14	12	11	9	8
	Hz 转矩	51	68	85	102	128	171	256	341	426	512	682	853	1023	1279	1364	1535	1705	2046	2388	2729	3070	3411
3.7	50 转速	450	338	270	225	180	135	90	68	54	45	34	27	23	18	17	15	14	11	10	8	8	7
	Hz 转矩	79	105	131	157	196	262	393	523	654	785	1047	1309	1570	1963	2094	2356	2617	3141	3664	4188	4711	5235
3.7	60 转速	560	420	336	280	224	168	112	84	67	56	42	34	28	22	21	19	17	14	12	11	9	8
	Hz 转矩	63	84	105	126	158	210	315	421	526	631	841	1052	1262	1577	1683	1893	2103	2524	2945	3365	3786	4207

▲ 表列转速是基于电机同步转速 (50Hz:1500r/min, 60Hz:1800r/min),额定负载时, 实际转速为表列转速的80%-98%。

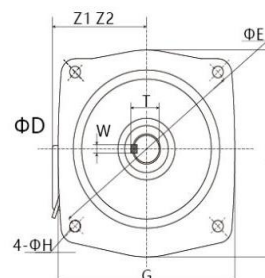
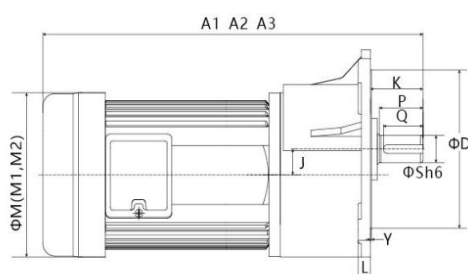
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3000W 4HP	3K~200K	180+40	473		473	230	310	300	274.5	16	21.5	42.2	76	212			5	138		50
3700W 5HP	3K~200K	180+40	493		493	230	310	300	274.5	16	21.5	42.2	76	212			5	138		57

容许转矩 ALLOWABLE TORQUE 单位: N.m

功率 KW	减速比	3	4	5	6	7.5	10	15	20	25	30	40	50	60	75	80	90	100	120	140	160	180	200
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3.7	50 转速	450	338	270	225	180	135	90	68	54	45	34	27	23	18	17	15	14	11	10	8	8	7
	Hz 转矩	79	105	131	157	196	262	393	523	654	785	1047	1309	1570	1963	2094	2356	2617	3141	3664	4188	4711	5235
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