

NMRV 蝸輪蝸杆減速器  
NMRV WORM GEAR REDUCER



WP 蝸輪蝸杆減速器  
WP WORM GEAR REDUCER



微型交、直流減速電機  
AC&DC GEAR MOTOR

台灣工藝 · 精品製造

TQG  
台崎電機

选型工具书  
SELECTION GUIDE

TQG 台崎電機

台灣台崎精密工業企業社

台灣地址：臺北縣新莊市丹鳳工業園中正路8號

電話：886-2-22198586

傳真：886-2-22198587

總部：

台崎機電設備(上海)有限公司

地址：上海市嘉定區嘉鬆北路4777號敏楓工業區

電話：021-69009655 /69009656

傳真：021-69009657

E-mail: tqg@tqg6.com

http://www.tqg6.com

分公司：

台崎機電設備(天津)有限公司

地址：天津市南開區新南馬路二區六棟118-1號

電話：022-87809695

傳真：022-87809695

E-mail: tqg@tqg6.com

http://www.tqg6.com



小型齒輪減速電機  
SMALL REDUCE GEAR MOTOR



# 目录/CONTENTS

## 企业形象 ENTERPRISE IMAGE

- 公司介绍 / Company Introduction
- 生产检测设备图片 / production testing equipment.

## 交流AC微型齿轮减速电机 AC micro gear reduction motor

- 6W-200W功率参数尺寸图 / 6W-200W power parameter size chart ~~~~~ 01-43
- 弧锥直角+蜗轮蜗杆直角参数尺寸图 / arc cone angle + worm right angle parameter size chart ~~~ 15-43
- 调速器参数 / Governor Parameters ~~~~~ 44-44
- 支架和接线盒尺寸 / support and junction box size ~~~~~ 45-46
- 二级电机参数尺寸图 / two motor parameter size chart ~~~~~ 47-48
- 力矩电机参数尺寸图 / torque motor parameter size chart ~~~~~ 49-51
- 直线式齿轮减速电机 / linear gear reducer motor ~~~~~ 52-54
- RV蜗轮蜗杆减速器 / RV worm gear reducer ~~~~~ 55-56

## 直流DC微型齿轮减速电机 DC micro gear reducer motor

- 6W-250W功率参数尺寸图 / 6W-250W power parameter size ~~~~~ 57-69
- 直流弧锥直角参数尺寸图 / DC arc cone angle parameter size map ~~~~~ 70-73
- 直流蜗轮蜗杆直角参数尺寸图 / DC worm wheel and worm right angle parameter size chart~ 74-76

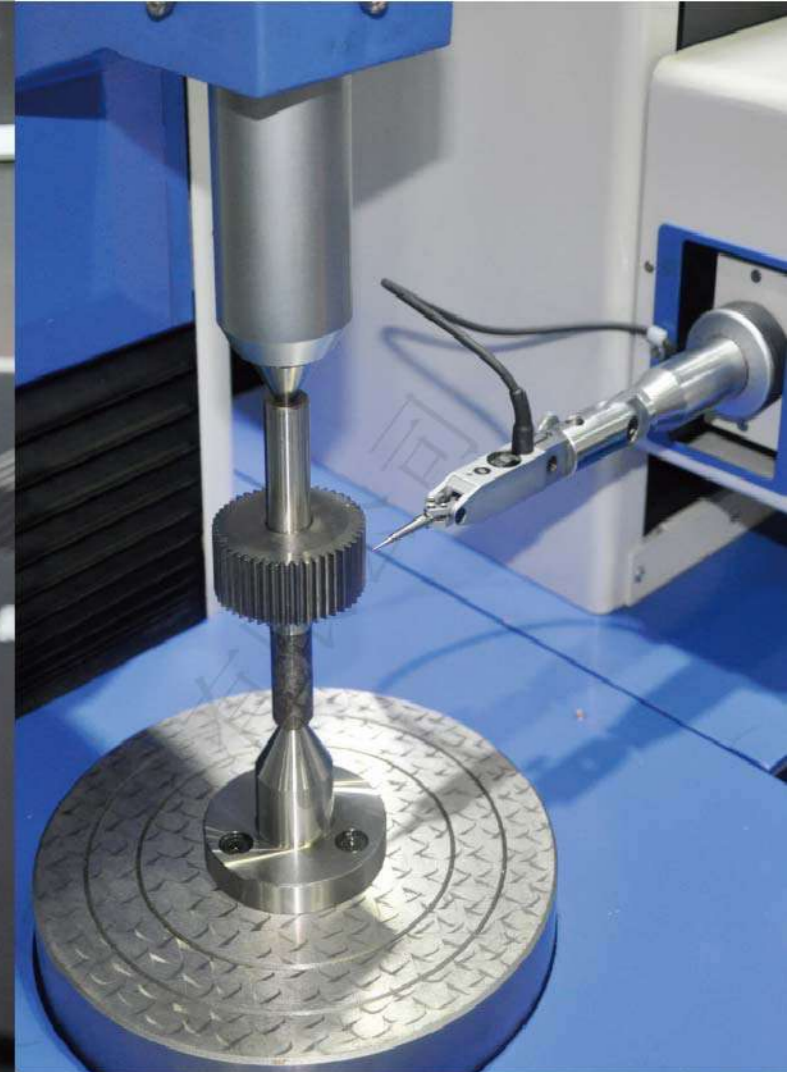
## 交流小型齿轮减速电机 AC small gear reduction motor

- 型号说明 / model description ~~~~~ 77-79
- 选型技术参数 / selection of technical parameters ~~~~~ 80-82
- 100W-3700W功率尺寸图 / 100W-3700W power size chart ~~~~~ 83-105
- 常见故障解决办法 / common fault solution ~~~~~ 106-106

# 公司簡介

臺崎精密工業有限公司起初創建於台灣台北縣，是一家集精密齒輪傳動系列產品研發、生產、銷售一體化的專業廠家。作為國內工業馬達、工控傳動等自動化領域的先導，公司始終秉承“引領技術創新，成就卓越品質”的理念，目前主營產品有：微型齒輪減速電機，中型齒輪減速電機機、剎車調速電機、力矩電機、直流電機、NMRV蝸輪蝸杆電機，直交軸減速電機，WP系列蝸輪蝸杆減速機，及台灣各協力廠家之傳動產品等；產品廣泛應用於各種工業生產流水線、輸送機械、食品機械、醫療機械、印刷機械、紡織機械、包裝機械、辦公設備、儀器儀錶、自動麻將機等領域，是自動化設備首選的配套產品。公司配備德國KOEPPER高性能滾齒機、日本HAMMI滾齒機、臺灣MV系列原裝進口數控加工中心等一流先進生產設備，嚴格按照ISO 9001品質管理體系要求，並先後通過國內外各類產品的認證，產品銷往國內、外各大客戶。

多年來由於全體同仁的勤奮努力，廣大客戶的支持信任，臺崎精工在自動化領域裏不斷成長，創新。面對未來，我們將堅持“客戶至上、誠信經營”的臺崎精工價值規範，發揚“勇於創新、勇爭一流、充滿激情、全力奮進”的臺崎精神，致力於成為全球領先的專業傳動產品製造商。



## WORKSH

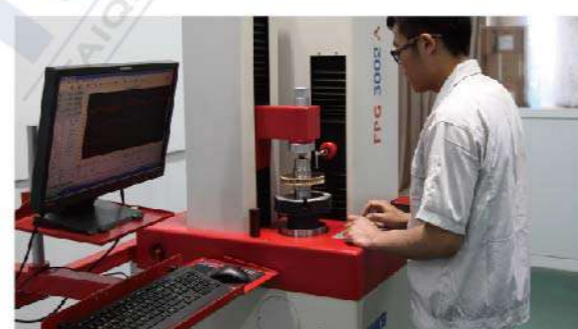
生产车间

每一道工序,要求精益求精  
Perfection in Every LittleS

## TEST CENTER

检测中心

每一件产品,皆是用心之作。  
Each Product is Manufactured by Heart.



# 微型齒輪減速機系列

## Micro Compact Gear Motor



### 型号的阅读方法 PRODUCT NUMBER CODE

#### 电动机 Motor



5	I	K	60	R	GN - C	F
①	②	③	④	⑤	⑥	⑦
① 电动机的尺寸 Motor Frame Size	2: 60mm 3: 70mm 4: 80mm 5: 90mm 6: 104mm					
② 类型名称 Motor Type	I : 感应电动机 Induction Motor R : 可逆电动机 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 )	(例 Example)60 : 60W 6W 15W 25W 40W 60W 90W 120W 140W 180W 200W 250W					
⑤ R : 表示带调速电动机 ; 无 : 表示未带	The Suffix "-R" After The Output Power Means Speed Adjustable Motor.					
⑥ 转轴形状 Motor Shaft Type	GN : GN型齿轮轴 GN Type : Pinion Shaft GU : GU型齿轮轴 GU Type : Pinion Shaft A : 圆轴型 Round Shaft A1 : 键槽型 Keyway					
⑦ 电源电压-极数 Voltage-Poles	A : 单相 Single-Phase 110V50/60Hz 4P Y : 三相 Three-Phase 220/380V50/60Hz 4P B : 单相 Single-Phase 110V50Hz 2P S : 三相 Three-Phase 200/220/230V50/60Hz 4P C : 单相 Single-Phase 220/230V50Hz 4P S3 : 三相 Three-Phase 380/400/415V50/60Hz 4P D : 单相 Single-Phase 220V50Hz 2P T : 三相 Three-Phase 200/220/230V50/60Hz 2P E : 单相 Single-Phase 110V/120V60Hz 4P T3 : 三相 Three-Phase 380/400/415V50/60Hz 2P H : 单相 Single-Phase 220/230V60Hz 4P					
⑧ T : 带端子箱型 Terminal Box Type M : 无励磁动作型电磁制动电动机 P : 内藏热保护装置 (自动复位型)	F : 带风扇 W/Fan FF : 带强制风扇 W/Forced Fan Power Off Activated Type Electromagnetic Brake Motor Thermal protector inside ( automatic return )					

#### 减速器型号说明 Description Of Reducer Model

5	GN	50	K	RH
①	②	③	④	⑤
① 减速器安装尺寸 Gearhead Frame Size	2: 60mm 3: 70mm 4: 80mm 5: 90mm 6: 104mm			
② 类型 Type Of Pinion	GN : GN型齿轮轴 GN Type Gear GU : GU型齿轮轴 GU Type Gear			
③ 减速比 Gear Ratio	(例.e.g) 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 轴承种类 Bearing Type	K : 滚珠轴承(对GU型方箱体标注为KB) Bearing(Make KB for Type GU Square Case)			
⑤ 输出种类 Type Of Output Shaft	RH : 蜗轮蜗杆空心轴输出 Hollow Worm Shaft RA : 蜗轮蜗杆实心轴输出 Worm Output Shaft RC : 弧锥齿空心轴输出 Spiral Bevel Hollow Shaft RT : 弧锥齿实心轴输出 Spiral Bevel Output Shaft			

如：电机配平行轴减速器时第5项省略，如配直角减速器时第4项省略。  
Note: If the motor assembly with parallel gear box pls cancel item no 5,if assembly with right angle gear box pls cancel item no 4.

## 电动机的一般规格 GENERAL SPECIFICATIONS OF MOTORS

### 3W~200W型、2极·高速型 6W~150W、2P·High Speed

项目 Item	规格 Specifications
绝缘电阻 Insulation Resistance	于常温·常湿下的电动机额定运行后，以DC500V电阻表测量线圈-外壳间时，测量值为100MΩ以上 In the circumstance of normal temperature and humidity, the resistance can be up to 100MΩ, measured DC 500v insulation resistance measurer between the motor wiring and motor shell while the motor is working.
绝缘耐压 Insulation Voltage	于常温·常湿下电动机额定运行后，在线圈-外壳间施加一分钟50Hz或60Hz、1.5kV（三相400V为2kV）的电压，亦无异常 In the circumstance of normal temperature and humidity, there will be no problem supplying the power of 1.5kv(three phase400v: 2kv) at 50/60hz between the metal wiring and motor shell for 1 minute while the motor is working.
温度上升 Temperature Rise	在装上减速机或同等散热板※并于常温·常湿下进行额定运行时，以电阻法测定其线圈温度上升值为80℃以下（三相型为70℃以下） The temperature rise of winding are 80℃ or less measured by the resistance change method after rated motor operation under normal ambient temperature and humidity, with connecting a gearhead or equivalent heat radiation plate※.
绝缘等级 Insulation Class	UL/CSA规格: A种 (105℃)、EN规格: B种 (130℃) UL/CSA Standards: Class A(105℃) EN Standards: Class B(130℃)
过热保护装置 Overheat Protection	内藏热保护装置 (自动复位型) B种 (开放: 120℃±5℃、75℃±15℃) F种 (开放: 145℃±5℃、100℃±15℃) Thermal protector inside ( automatic return ) Class B ( opening: 120℃±5℃、75℃±15℃ ) Class F ( opening: 145℃±5℃、100℃±15℃ )
使用环境温度 Ambient Temperature	单相100V、三相200V: -10~+50℃ (无结冰) 其他电压: -10~+40℃ (无结冰) Single-Phase100VAC、Three-Phase200VAC: -10~+50℃(NonFreezing) Others: -10~+40℃(NonFreezing)
使用环境湿度 Ambient Humidity	85%以下 (无结露) ≤85% (Noncondensing)
保护等级 Protection Class	导线型 Lead wire type: IP20 带端子箱型: Terminal Box Type 单相Single-phase 100V50/60HZ、110/120V60HZ、220/230V50HZ、220/230V60HZ 25W-180W Type: IP54 (不包括圆轴安装面 Excluding the installation surface of the round shaft type ) 三相Three-phase 200/220/230V50/60HZ、380/400/415V50/60HZ 25W-180W Type: IP54 (不包括圆轴安装面 Excluding the installation surface of the round shaft type )

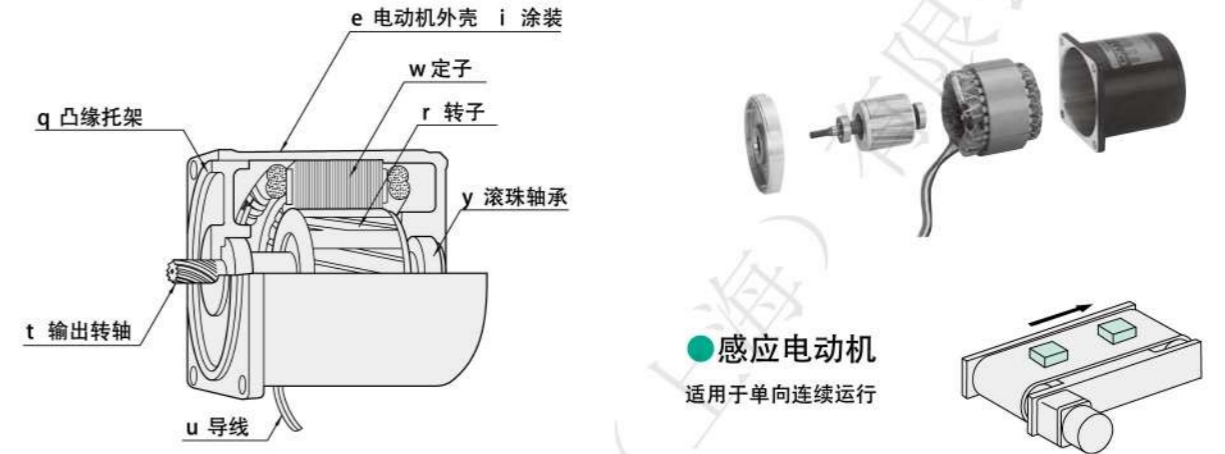
### 散热板尺寸 (材质: 铝) Heat Radiation Plate(Material: Aluminum)

电动类型 Motor Type	尺寸Size	厚度Thickness ( mm )
3W Type	80X80	5
6W Type	115X115	
15W Type	125X125	
25W (2极·高速4IK40型、4IK60型) (2P-High-Speed 4IK40 Type, 4IK60 Type)	135X135	
40W、60W Type	165X165	
60W、90W、120W Type (2极·高速5IK150型) (2P-High-Speed 5IK150 Type)	200X200	
120W、140W、200W Type	230X230	

## 电动机的特性 MOTOR FEATURES

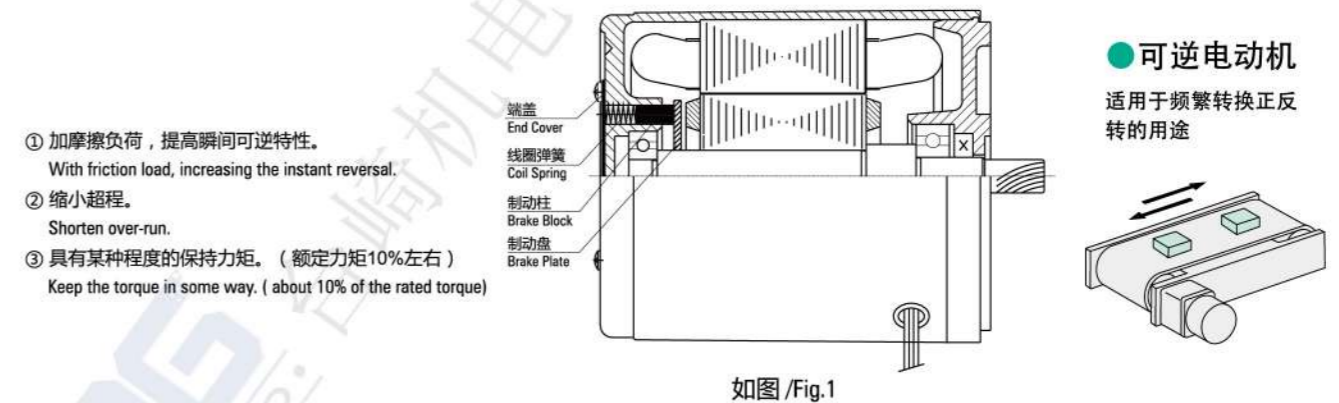
### 感应电动机的特性 Induction Motor Features

- 一般来说，微型感应电动机所指的是感应运转型感应电动机。这种电动机不只在启动时，在运转当中也使用电磁线圈和电容器。虽然启动转矩不是很大，但其结构简单，信赖度高，效率也比较高，可连续运转。  
Generally, Micro Induction Motor refers to the motor rotated by the induction. Induction Motor relies on capacitor and electromagnetism when starting and rotating. Though its starting torque is not very high, it has a simple structure, high efficiency and can rotate continue.
- 单相电动机运转时，产生与运转方向逆方向的转矩，因此不可能在短时间内改变方向。请在电动机完全停止以后，再转换其运转方向。  
The single-phase motor have a reverse direction with the rotating's when operated. Pls change the direction of single-phase motor rotation only after bring the motor to a stop.
- 三相电动机以三相电源驱动感应电动机，其效率很高，启动力矩也比较大，信赖度高。  
Three-phase motor relies on three-phase supply. It has a high efficiency and can get a high starting torque.



### 可逆电动机的特性 Reversible Motor Features

- 可逆电动机，在电动机后部设有简易制动器，是适用于短时间内频繁正反转用途的电机。简易制动器的构造，如图1所示，带弹簧压力的制动柱作用在转动的制动盘上并保持连续压力。可逆电动机的简易制动器如下作用：  
Reversible Motor has a friction brake at the back of the motor body, which is designed for applications where reversal of direction is frequently required. For the friction brake, pls check Draw 1. The damp with spring impacts the rotating brake disk and supplies with continuous press. The functions of the friction brake are as following:



- 简易制动器的保持力矩及超程表示在表1，但随着转动时间的长短或温度高低，也会有变化，仅供参考。且初期使用，其保持力矩比表1的低值的情况也会发生，请注意。  
The keeping torque or more of the friction brake and over-run are listed in the table 1. It is only for reference. As it will change according to the rotating period as well as the temperature. Pls also note that the torque may be a little lower than the one listed in the table when being operated initially.
- 可逆电动机和感应电动机相同，都是电容启动单相电机，转矩力矩特性与感应电机特性相同。但是，为了提高瞬间可逆特性，如图2所示，设计为加大启动力矩。受此影响，加大了输入的损耗，温升比感应电动机高，因此，时间定额为30分钟。特性表中的额定力矩，启动力矩，电流特性等是在电机上装上有制动柱状态下的特性值。  
The Reversible Motor, like Induction Motor, is started by the capacitor and has a same torque characteristic with the Induction Motor. But the Reversible Motor is designed with a higher starting torque to increase the instant reversal features. Pls check drawing 2.

## 无励磁动作型电磁制动电动机特性 Power Off Activated Type Electromagnetic Brake Motor Features

### 1. 构造及运行原理 Structure and Operation Principle

图3是带电磁制动的电机的构造图。本公司生产的电磁制动电动机是无励磁动作型，在线圈上施加电压，则立即吸引被弹簧压着的可动衔铁，在可动衔铁和制动衬垫之间产生间隙，使电机处于运转状态。一旦线圈电压被切断，在弹簧力的作用下，可动衔铁压向制动衬垫，产生制动力，电机停止。  
Table 3 is the structure for the Electromagnetic Brake Motor. We produce the Power Off Activated Type. Exerting the voltage on the winding, it will magnetize the armature pressed by the spring. The motor will be in a stage of rotating, when there is a backlash between the armature and brake rim. Once the winding voltage is cut down, under the influence of spring, the armature press the brake rim, which will create a brake force. Then the motor gets to a stop.

### 2. 电磁制动器的特点 The Characteristics of the Electromagnetic Brake

该制动器是交流无励磁动作型电磁制动器，与电机直接连接。在切断电源的同时，即瞬间停止，保持负荷。保持力矩0.05~2.0N.m (参照表2)。由于是电源切断时的保持力动作型，故最适合于作为无间断切断电源时的安全制动器使用。电磁可以进行频繁的瞬间正反转。简单的切换，1分钟内可停止6次。但是时间必须确保3秒以上。

It is an AC Power Off Activated Type Electromagnetic Brake which is connected directly with the motor. It will get to a blink stop and keep load when the supply is power off. It will keep the torque between 0.05-2.0Nm. It is especially suitable for the safety brake in the circumstance of unconsciously power off. The electromagnetic can change its direction frequently. It can be stopped 6 times in a minute. But be sure that it lasts for 3 seconds or more.

电机和制动器可以使用同一个电源。制动器内设置整流回路，可和电机使用同一个交流电源。

After we set a commutating loop in the brake, it can share the power supply with the motor.

※这个数值是标准的，根据使用条件的不同，以这个频率连续使用不能进行制动器操作的情况也有，实际使用时，必须在电机表面温度为90度以下的条件下使用。

※The value is standard. It will be change in different condition. When actually used, be sure to make the surface temperature of the motor less than 90 °C.

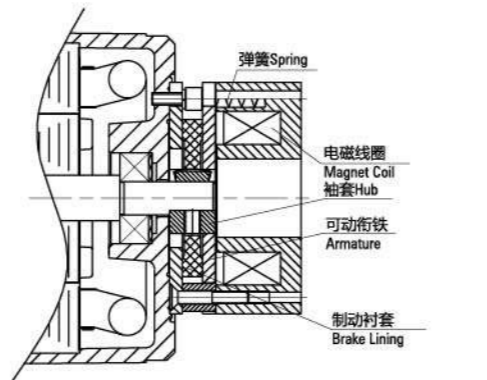
### 3. 起动时间，制动时间的特性 The Features for the Starting Time and Brake Time

电磁制动电机的起动时间是电机自身的起动时间加上电磁制动器的释放时间，制动时间是从电源切断开始至电机完全停止的时间。电磁制动电机的超程、起动时间、制动时间应用场合而不同。

The starting time means the time for the motor's starting time plus the electromagnetic brake release time. The brake time means the time from power cut off to the time of motor completely stop. The over-run, starting time and brake time will be different according to the different applications.

表2.电磁制动部分（无励磁动作型） Electromagnetic Brake(Power Off Activated Type)

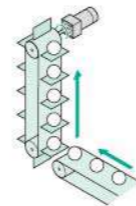
相数 Phase	基座 尺寸 Size MM	输出 功率 Output W	电压 Voltage V	频率 Frequency Hz	电流 Current A	输入 功率 Input W	保持力矩 Keep Torque N.cm Kg.f.cm	超程 Over-run 圈数Cycles							
1Phase	70	15	110 120 220 230	50/60	0.091	8.2	0.5	50							
	80	25													
	90	40													
		60													
		90													
	120	0.111							10.0	1.0	100				
100	140	0.144	13.0	2.0	200										
	200														
3Phase	60	6	220~230	50/60	0.073	6.6	0.25	25							
	70	15	380~415						0.037	6.6	0.25	25			
	80	25													
		40													
		60													
	90	0.046	8.2										0.5	50	
	120	0.111	10.0										1.0	100	
	100	140	0.056						10.0	1.0	100				
		200													
		200~230										0.144	13.0	2.0	200
		380~415													
		200													



如图/ Fig.3

### 带电磁制动电动机

适用于必须保持负载的用途



6W  
60mm



## 规格 Specs 连续额定 Continuous Rating

型号Model · 类型 Type 导线型 Lead Wire Type	输出功率 Output 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	电容器容量 Capacitor µF	
									齿轮轴型 Pinion Shaft
Induction Motor 感应电动机	2IK6GN-A	6	1ph 100	50	0.240	55	48	1200	3.5
				60	0.250	50	40	1450	
	2IK6GN-E	6	1ph 110	60	0.160	40	40	1450	2
					0.180	40	40	1450	
	2IK6GN-C	6	1ph 220	50	0.130	48	40	1200	0.8
					0.140	50	40	1450	
2IK6GN-H	6	1ph 220	60	0.130	55	40	1450	-	
				0.140	55	40	1450		
2IK6GN-S	6	3ph 220	50	0.076	85	48	1200	-	
			60	0.065	70	40	1450		
Reversible Motors 可逆电动机	2RK6GN-A	6	1ph 100	50	0.265	60	48	1200	4.0
				60	0.232	55	40	1450	
	2RK6GN-E	6	1ph 110	60	0.185	45	40	1450	2.5
					0.200	45	40	1450	
	2RK6GN-C	6	1ph 220	50	0.145	55	48	1200	1.0
					0.150	55	48	1200	
2RK6GN-H	6	1ph 220	60	0.145	40	60	1450	1.0	
				0.150	40	60	1450		

型号Model · 类型 Type 导线型 Lead Wire Type	额定 Rating	输出功率 Output 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	电容器容量 Capacitor µF	
										齿轮轴型 Pinion Shaft
Brake Motors 刹车电动机	2RK6GN-AM	30min	6	1ph 100	50	0.265	60	48	1200	4.0
					60	0.232	55	40	1450	
	2RK6GN-EM	30min	6	1ph 110	60	0.185	45	40	1450	2.5
						0.200	45	40	1450	
	2RK6GN-CM	30min	6	1ph 220	50	0.145	55	48	1200	1.0
						0.150	55	48	1200	
2RK6GN-HM	30min	6	1ph 220	60	0.145	60	40	1450	-	
					0.150	60	40	1450		
2RK6GN-SM	30min	6	3ph 220	50	0.076	85	48	1200	-	
				60	0.065	70	40	1450		

## 调速电机特性 The Features Of The Speed Control Motor

1. 是控制器和电机组合的单元产品，由于电机和控制品只需一次连接，故不需要单独接线。速度调节由安装在外部的电位器便可简单进行。在控制器上安装了速度控制器回路、电机用的电容，速度设定器等。其中单元式速度控制器无瞬间停止功能。

It is a unit of the controller and motor. It only needs to connect one time. The speed can be easily adjusted by the potentiometer. The controller is fixed with speed-control loop, capacitor, speed enactment and etc. There is no function of instant stop in the unit.

2. 用控制器的速度调节器进行速度调节。可以在50Hz为90~1400r/min，60Hz为90~1700r/min范围内，调节电机的速度。

The controller can make the speed variable between 90-1350rpm at 50 Hz and 90-1650rpm at 60Hz.

3. 电机不允许长时间在低转速下运行，以免电机过热。

Please don't run motor at low speed for long time avoiding overheat.

型号Model · 类型 Type 导线型 Lead Wire Type	最大 输出 功率 Output power W	电压 Voltage V	频率 Frequency Hz	调速范围 Speed Control Range r/min	容许转矩 Allowance Torque		启动转矩 Starting Torque mN.m	电流 Current A	电容器容量 Capacitor µF
					1200r/min mN.m	90r/min mN.m			
2IK6RGN-A	6	1ph 100	50	90~1350	50	30	35	0.240	3.5
			60	90~1650	50	29	35	0.250	
2IK6RGN-E	6	1ph 110	60	90~1650	50	29	30	0.160	2.0
								0.180	
2IK6RGN-C	6	1ph 220	50	90~1350	55	29	35	0.130	0.8
								0.110	
2IK6RGN-H	6	1ph 220	60	90~1650	55	29	35	0.140	0.8
								0.120	

## 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

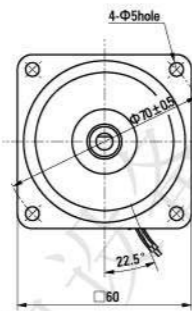
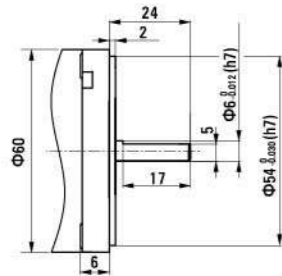
减速比 Gear Ratio		3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200
转速 Speed r/min	50Hz	500	417	300	250	200	166	120	100	83	60	50	41	30	25	20	16	15	12.5	10	8.3	7.5
	60Hz	600	500	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10	9
2GN□K	50Hz	0.12	0.14	0.19	0.23	0.29	0.35	0.49	0.58	0.70	0.88	1.1	1.3	1.6	1.9	2.4	2.9	3	3	3	3	3
	60Hz	1.22	1.43	1.94	2.35	2.96	3.57	5.0	5.92	7.14	8.98	11.2	13.3	16.3	19.4	24.5	29.6	30	30	30	30	30
		0.10	0.12	0.16	0.19	0.24	0.29	0.41	0.49	0.58	0.73	0.88	1.1	1.3	1.6	2.0	2.4	2.6	3	3	3	3
		1.02	1.22	1.63	1.94	2.45	2.96	4.18	5.0	5.92	7.45	8.98	11.2	13.3	16.3	20.4	24.5	26.5	30	30	30	30

## 外形图 (单位 mm) Dimensions(Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

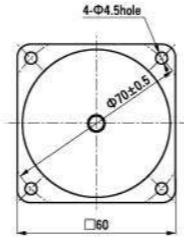
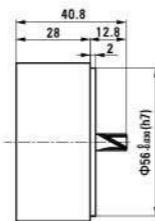
### 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



### 中间减速器 Decimal Gearhead

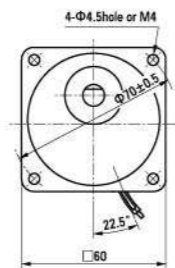
可安装在GN齿轮轴型上 Can be connected to GN pinion shaft type  
电动机外形与齿轮轴型相同  
2GN10XK  
重量 Weight : 0.2kg



## 感应尺寸图 Induction Type Drawing

重量 Weight : 电动机 Motor : 0.75kg

减速器 Gearhead : 0.4kg



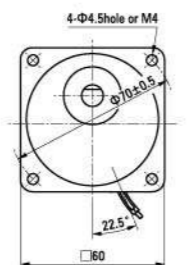
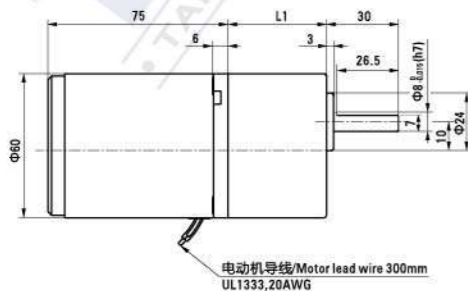
电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
2IK6GN-A	2GN□K	3~18	32
2IK6GN-E			
2IK6GN-C			
2IK6GN-H	25~200	41.5	
2IK6GN-S			

• 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 可逆尺寸图 Reversible Type Drawing

重量 Weight : 电动机 Motor : 0.8kg

减速器 Gearhead : 0.4kg



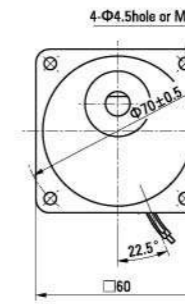
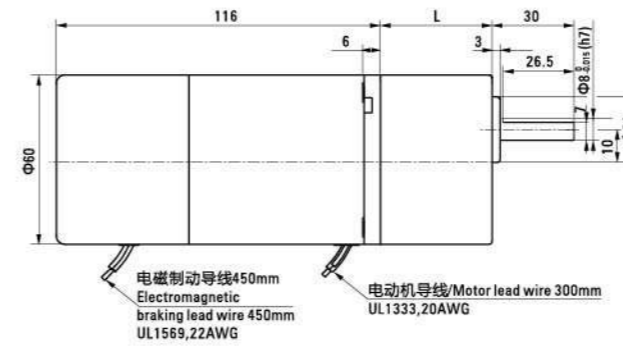
电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
2RK6GN-A	2GN□K	3~18	32
2RK6GN-E			
2RK6GN-C			
2RK6GN-H	25~200	41.5	

• 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 刹车尺寸图 Brake Type Drawing

重量 Weight : 电动机 Motor : 1.1kg

减速器 Gearhead : 0.4kg



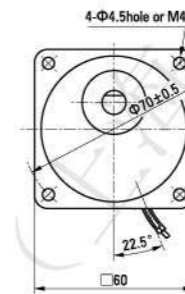
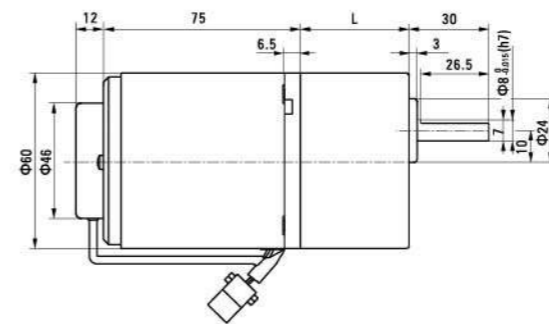
电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
2RK6GN-AM	2GN□K	3~18	32
2RK6GN-EM			
2RK6GN-CM			
2RK6GN-HM	25~200	41.5	
2RK6GN-SM			

• 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 调速尺寸图 Speed Control Type Drawing

重量 Weight : 电动机 Motor : 1.1kg

减速器 Gearhead : 0.5kg



电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
2IK6GN-A	2GN□K	3~18	32
2IK6GN-E			
2IK6GN-C			
2IK6GN-H	25~200	41.5	

• 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

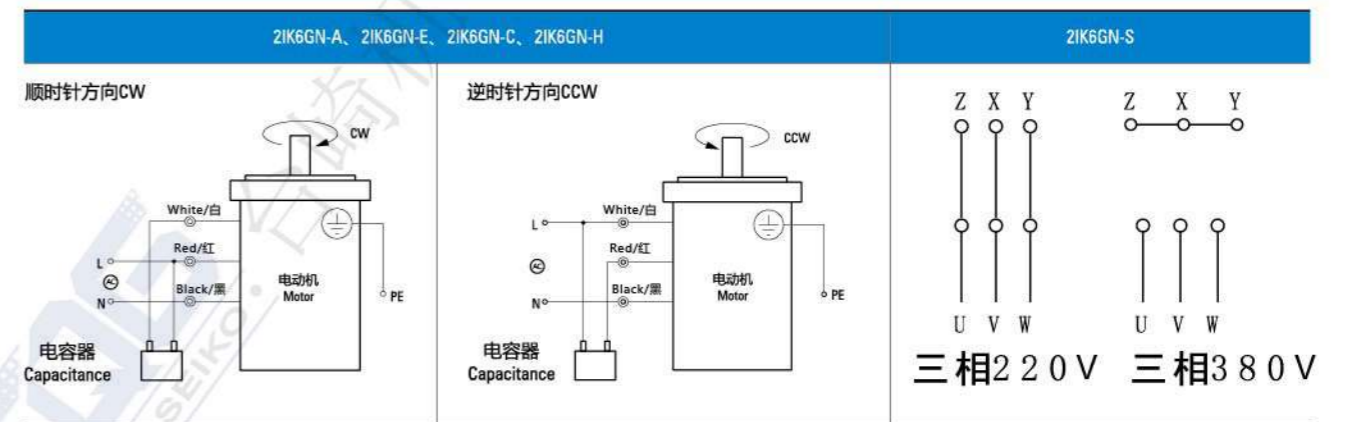
## 连接图 Wiring Diagram

• 运转方向指从电动机轴看来的方向。CW表示顺时针方向，CCW表示逆时针方向。

The direction of motor rotation is as viewed from the shaft end of motor. CW represents the clockwise direction, while CCW represents the counterclockwise direction.

• 表中所记品名为齿轮轴型，圆轴型亦同。

Name indicated in the list is pinion shaft type, also valid for the equivalent round shaft type.



请注意 Note:

单相电动机运转方向的转换应在电动机停止后进行。

Change the direction of single-phase motor rotation only after bring the motor to a stop.

若在电动机运转时转换运转方向，可能发生无法转换运转方向或须费时较久的情况。

If an attempt is made to change the direction of rotation while the motor is rotating, motor may ignore reversing command or change its direction of rotation after some delay.

# 15W

## 70mm



### 规格 Specs 连续额定 Continuous Rating

感应电动机 Induction Motor	型号Model · 类型 Type 导线型 Lead Wire Type		输出功率 Output 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	电容器容量 Capacitor μF
	齿轮轴型 Pinion Shaft	圆轴型 Round Shaft								
	3IK15GN-A	3IK15A-A	15	1ph 100	50	0.35	90	125	1200	6.0
3IK15GN-E	3IK15A-E	15	1ph 110	60	0.30	65	105	1450	5.0	
			1ph 120							
3IK15GN-C	3IK15A-C	15	1ph 220	50	0.18	90	125	1200	1.2	
			1ph 230							
3IK15GN-H	3IK15A-H	15	1ph 220	60	0.16	65	105	1450	-	
			1ph 230							
3IK15GN-S	3IK15A-S	15	3ph 220	50	0.14	220	125	1200	-	
可逆电动机 Reversible Motors	3RK15GN-A	3RK15A-A	15	1ph 100	50	0.40	110	125	1200	7.0
				60	0.56	105	105	1450		
	3RK15GN-E	3RK15A-E	15	1ph 110	60	0.43	85	105	1450	6.0
				1ph 120						
	3RK15GN-C	3RK15A-C	15	1ph 220	50	0.23	110	125	1200	1.5
				1ph 230						
	3RK15GN-H	3RK15A-H	15	1ph 220	60	0.20	85	105	1450	1.5
				1ph 230			90			

刹车电动机 Brake Motors	型号Model · 类型 Type 导线型 Lead Wire Type		额定 Rating	输出功率 Output 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	电容器容量 Capacitor μF
	齿轮轴型 Pinion Shaft	圆轴型 Round Shaft									
	3RK15GN-AM	3RK15A-AM	30min	15	1ph 100	50	0.40	110	125	1200	7.0
3RK15GN-EM	3RK15A-EM	30min	15	1ph 110	60	0.43	85	105	1450	6.0	
				1ph 120							
3RK15GN-CM	3RK15A-CM	30min	15	1ph 220	50	0.23	110	125	1200	1.5	
				1ph 230							
3RK15GN-HM	3RK15A-HM	30min	15	1ph 220	60	0.20	85	105	1450	-	
				1ph 230			90				
3RK15GN-SM	3RK15A-SM	30min	15	3ph 220	50	0.14	220	125	1200	-	
				60	0.12	180	105	1450			

调速电动机 Speed Control Motors	型号Model · 类型 Type 导线型 Lead Wire Type		最大 输出功率 Output power W	电压 Voltage V	频率 Frequency Hz	调速范围 Speed Control Range r/min	容许转矩 Allowance Torque		启动转矩 Starting Torque mN.m	电流 Current A	电容器容量 Capacitor μF
	齿轮轴型 Pinion Shaft	圆轴型 Round Shaft					1200r/min mN.m	90r/min mN.m			
	3IK15RGN-A	3IK15RA-A	15	1ph 100	50	90~1350	120	35	55	0.35	6.0
60											
3IK15RGN-E	3IK15RA-E	15	1ph 110	60	90~1650	125	35	55	0.30	5.0	
			1ph 120						0.32		
3IK15RGN-C	3IK15RA-C	15	1ph 220	50	90~1350	120	35	54	0.18	1.2	
			1ph 230						0.20		
3IK15RGN-H	3IK15RA-H	15	1ph 220	60	90~1650	85	35	52	0.16	1.2	
			1ph 230						105		55

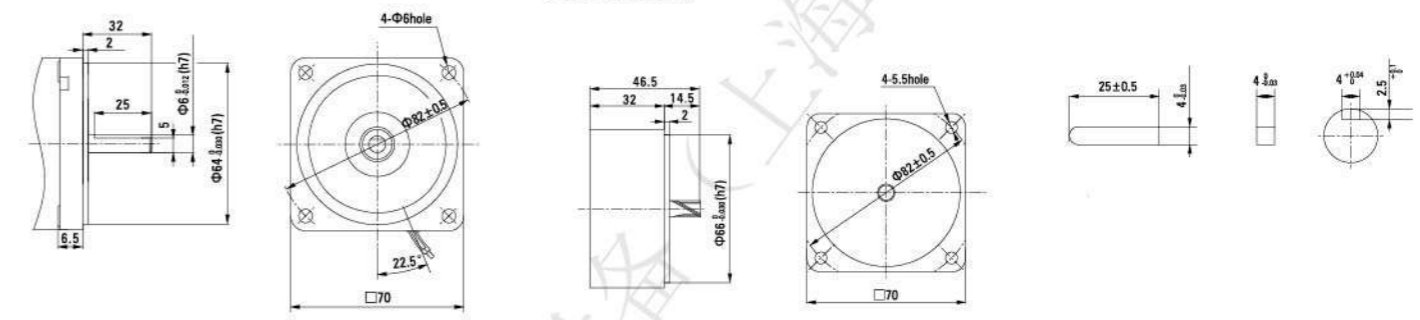
### 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

减速比 Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200
50Hz	500	417	300	250	200	166	120	100	83	60	50	41	30	25	20	16	15	12.5	10	8.3	7.5
60Hz	600	500	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10	9
3GN□K	50Hz	0.30	0.36	0.51	0.61	0.76	0.91	1.3	1.5	1.8	2.3	2.7	3.3	4.1	5	5	5	5	5	5	5
		3.06	3.67	5.20	6.22	7.75	9.28	13.2	15.3	18.3	23.4	27.5	33.7	41.8	50	50	50	50	50	50	50
60Hz	0.26	0.31	0.43	0.51	0.64	0.77	1.1	1.3	1.5	1.9	2.3	2.8	3.5	4.2	5	5	5	5	5	5	5
	2.65	3.16	4.38	5.20	6.53	7.85	11.2	13.2	15.3	19.3	23.4	28.5	35.7	42.8	50	50	50	50	50	50	50

### 外形图 ( 单位 mm ) Dimensions (Unit mm)

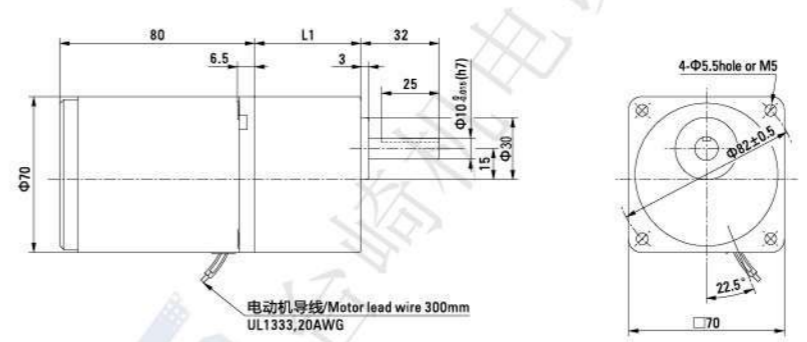
减速器附有安装用螺丝 Mounting screws are included with gearhead.

- 圆轴型的转轴部分 Shaft Section Of Round Shaft Type**  
除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.
- 中间减速器 Decimal Gearhead**  
可安装在GN齿轮轴型上 Can be connected to GN pinion shaft type  
电动机外形与齿轮轴型相同  
3GN10XX  
重量 Weight : 0.3kg
- 键·键槽 ( 减速器附件 )**  
Key · Keyway (Accessory Of Gearhead)



### 感应尺寸图 Induction Type Drawing

重量 Weight : 电动机 Motor : 1.1kg 减速器 Gearhead : 0.5kg

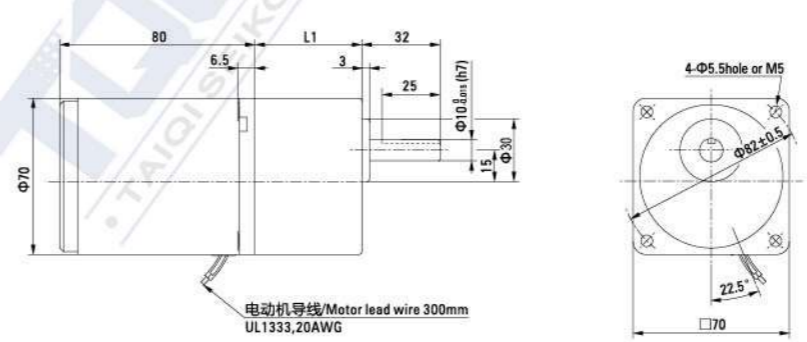


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
3IK15GN-A 3IK15GN-E 3IK15GN-C 3IK15GN-H 3IK15GN-S	3GN□K	3~18	32
		25~200	42

●减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

### 可逆尺寸图 Reversible Type Drawing

重量 Weight : 电动机 Motor : 1.15kg 减速器 Gearhead : 0.5kg



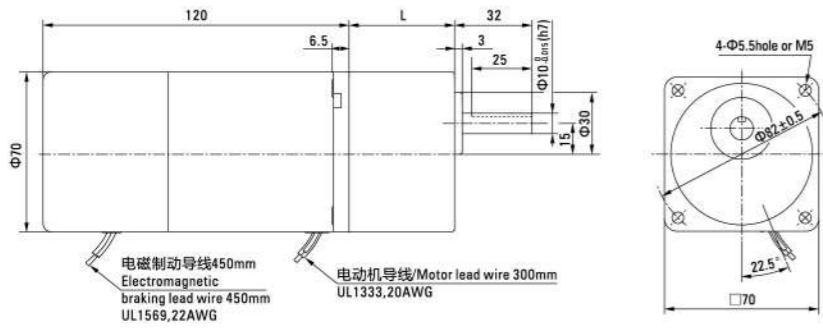
电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
3RK15GN-A 3RK15GN-E 3RK15GN-C 3RK15GN-H	3GN□K	3~18	32
		25~200	42

●减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name



## 刹车尺寸图 Brake Type Drawing

重量 Weight : 电动机 Motor : 1.47kg 减速器 Gearhead : 0.5kg

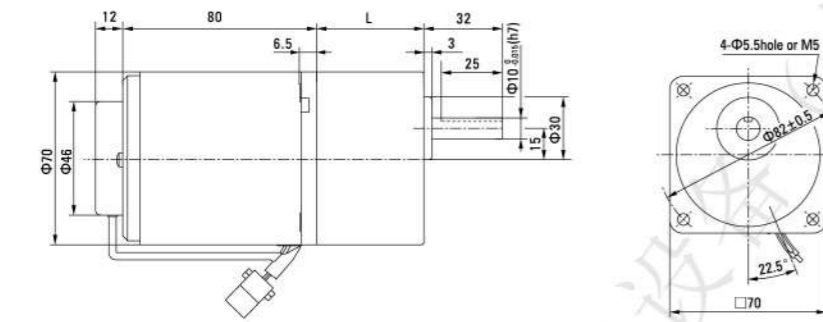


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
3RK15GN-AM	3GN□K	3~18	32
3RK15GN-EM			
3RK15GN-CM			
3RK15GN-HM	3GN□K	25~200	42
3RK15GN-SM			

•减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 调速尺寸图 Speed Control Type Drawing

重量 Weight : 电动机 Motor : 1.2kg 减速器 Gearhead : 0.5kg

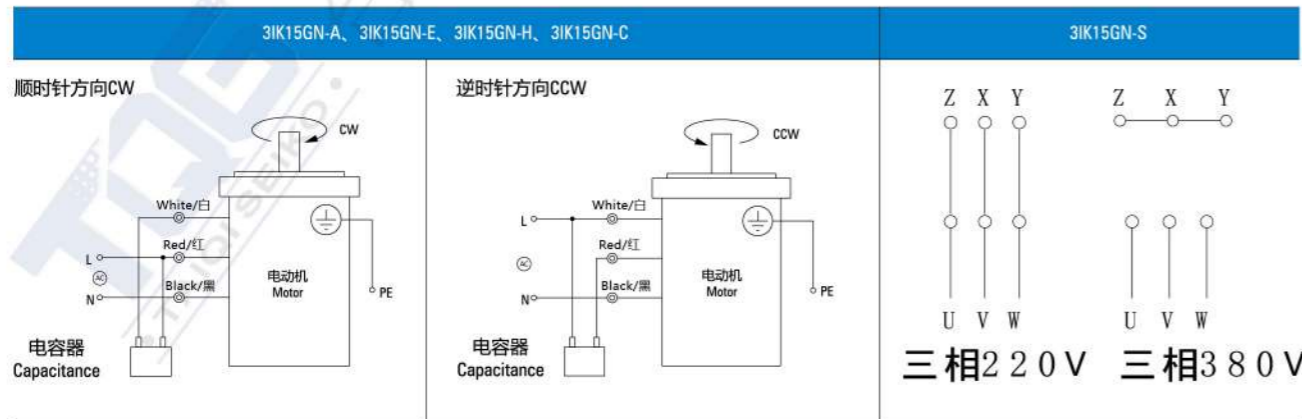


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
3IK15RGN-A	3GN□K	3~18	32
3IK15RGN-E			
3IK15RGN-C			
3IK15RGN-H	3GN□K	25~200	42
3IK15RGN-S			

•减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 连接图 Wiring Diagram

- 运转方向指从电动机轴看来的方向。CW表示顺时针方向，CCW表示逆时针方向。  
The direction of motor rotation is as viewed from the shaft end of motor. CW represents the clockwise direction, while CCW represents the counterclockwise direction.
- 表中所记品名为齿轮轴型，圆轴型亦同。  
Name indicated in the list is pinion shaft type, also valid for the equivalent round shaft type.



请注意 Note:  
单相电动机运转方向的转换应在电动机停止后进行。  
Change the direction of single-phase motor rotation only after bring the motor to a stop.  
若在电动机运转时转换运转方向，可能发生无法转换运转方向或须费时较久的情况。  
If an attempt is made to change the direction of rotation while the motor is rotating, motor may ignore reversing command or change its direction of rotation after some delay.

## 25W 80mm



## 规格 Specs 连续额定 Continuous Rating

电动机类型 Motor Type	型号Model · 类型 Type 导线型 Lead Wire Type		输出功率 Output 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	电容器容量 Capacitor μF
	齿轮轴型 Pinion Shaft	圆轴型 Round Shaft								
感应电动机 Induction Motor	4IK25GN-A (4IK25A-A)	4IK25GN-AT (4IK25A-AT)	25	1ph 100	50	0.50	120	200	1250	8.0
		4IK25GN-E (4IK25A-E)				0.55		165	1550	
	4IK25GN-E (4IK25A-E)	4IK25GN-ET (4IK25A-ET)	25	1ph 110	60	0.45	120	165	1550	7.0
						0.50		165	1550	
	4IK25GN-C (4IK25A-C)	4IK25GN-CT (4IK25A-CT)	25	1ph 220	50	0.25	120	200	1250	1.8
						0.23		165	1550	
4IK25GN-H (4IK25A-H)	4IK25GN-HT (4IK25A-HT)	25	1ph 220	60	0.23	120	165	1550	-	
					0.23		165	1550		
可逆电动机 Reversible Motors	4RK25GN-A (4RK25A-A)	4RK25GN-AT (4RK25A-AT)	25	1ph 100	50	0.59	160	200	1250	10.0
						0.69		140	165	
	4RK25GN-E (4RK25A-E)	4RK25GN-ET (4RK25A-ET)	25	1ph 110	60	0.45	140	165	1550	8.0
						0.50		165	1550	
	4RK25GN-C (4RK25A-C)	4RK25GN-CT (4RK25A-CT)	25	1ph 220	50	0.29	140	200	1250	2.2
						0.30		160	165	
	4RK25GN-H (4RK25A-H)	4RK25GN-HT (4RK25A-HT)	25	1ph 220	60	0.35	140	165	1550	2.2
						0.35		140	165	

电动机类型 Motor Type	型号Model · 类型 Type 导线型 Lead Wire Type		额定 Rating	输出功率 Output 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	电容器容量 Capacitor μF
	齿轮轴型 Pinion Shaft	圆轴型 Round Shaft									
刹车电动机 Brake Motors	4RK25GN-AM	4RK25A-AM	30min	25	1ph 100	50	0.59	160	200	1250	10.0
							0.69		140	165	
	4RK25GN-EM	4RK25A-EM	30min	25	1ph 110	60	0.45	140	165	1550	8.0
							0.50		165	1550	
	4RK25GN-CM	4RK25A-CM	30min	25	1ph 220	50	0.29	140	200	1250	2.2
							0.30		160	165	
4RK25GN-HM	4RK25A-HM	30min	25	1ph 220	60	0.35	140	165	1550	-	
						0.35		140	165		1550
4RK25GN-SM	4RK25A-SM	30min	25	3ph 220	50	0.185	350	200	1250	-	
						0.170		250	165		1550

电动机类型 Motor Type	型号Model · 类型 Type 导线型 Lead Wire Type		最大 输出功率 Output power W	电压 Voltage V	频率 Frequency Hz	调速范围 Speed Control Range r/min	容许转矩 Allowance Torque		启动转矩 Starting Torque mN.m	电流 Current A	电容器容量 Capacitor μF
	齿轮轴型 Pinion Shaft	圆轴型 Round Shaft					1200r/min mN.m	90r/min mN.m			
调速电动机 Speed Control Motors	4IK25RGN-A	4IK25RA-A	25	1ph 100	50	90~1350	190	47	88	0.50	8.0
										0.55	
4IK25RGN-E	4IK25RA-E	25	1ph 110	60	90~1650	190	50	105	0.45	7.0	
									0.50		
4IK25RGN-C	4IK25RA-C	25	1ph 220	50	90~1350	190	47	88	0.25	1.8	
									0.23		
4IK25RGN-H	4IK25RA-H	25	1ph 220	60	90~1650	190	45	88	0.23	1.8	
									0.23		

## 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

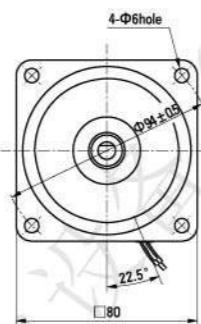
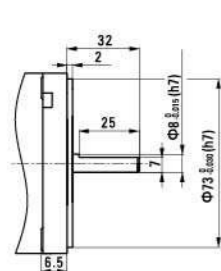
减速比 Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200
转速 Speed r/min	50Hz 600	417	300	250	200	166	120	100	83	60	50	41	30	25	20	16	15	12.5	10	8.3	7.5
4GN□K	50Hz	0.49	0.58	0.81	0.97	1.2	1.5	2.0	2.4	2.9	3.7	4.4	5.3	6.6	7.9	8	8	8	8	8	8
	60Hz	5.00	5.91	8.26	9.89	12.2	15.3	20.4	24.4	29.6	37.7	44.9	54.1	67.3	80	80	80	80	80	80	80
	50Hz	0.40	0.48	0.67	0.80	1.0	1.2	1.7	2.0	2.4	3.0	3.6	4.3	5.4	6.5	8	8	8	8	8	8
	60Hz	4.08	4.89	6.83	8.16	10.2	12.2	17.3	20.4	24.4	30.6	36.7	43.8	55.1	66.3	80	80	80	80	80	80

## 外形图 (单位 mm) Dimensions(Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

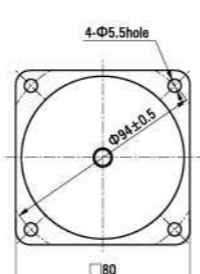
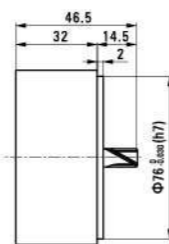
### ● 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



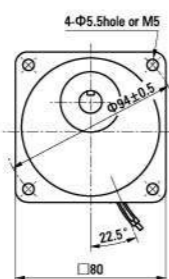
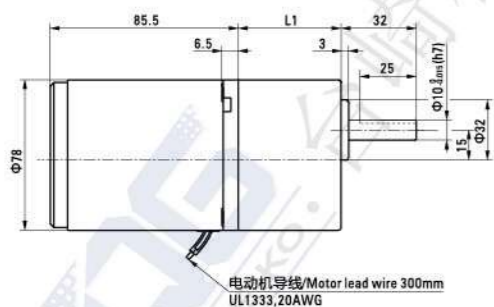
### ● 中间减速器 Decimal Gearhead

可安装在GN齿轮轴型上 Can be connected to GN pinion shaft type  
电动机外形与齿轮轴型相同  
4GN10XK  
重量 Weight : 0.41kg

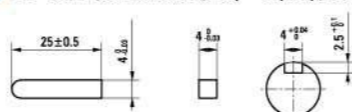


## 感应尺寸图 Induction Type Drawing

重量 Weight : 电动机 Motor : 1.6kg 减速器 Gearhead : 0.80kg



### ● 键·键槽 (减速器附件) Key · Keyway(Accessory Of Gearhead)

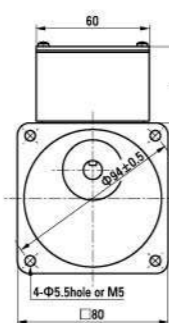
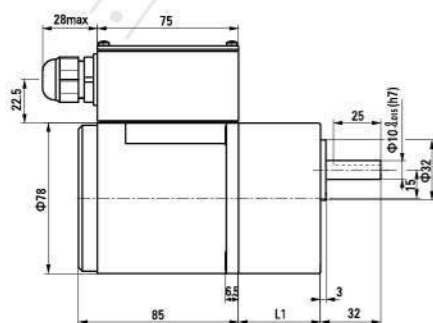


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
4IK25GN-A 4IK25GN-E 4IK25GN-C 4IK25GN-H 4IK25GN-S	4GN□K	3~18 25~200	32 43.5

● 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 带端子箱型 Terminal Box Type ②

重量 Weight : 电动机 Motor : 1.75kg 减速器 Gearhead : 0.8kg

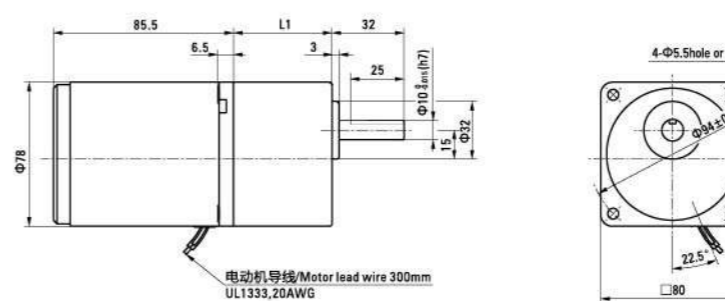


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
4IK25GN-AT 4IK25GN-ET 4IK25GN-CT 4IK25GN-HT 4IK25GN-ST	4GN□K	3~18 25~200	32 43.5

● 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 可逆尺寸图 Reversible Type Drawing

重量 Weight : 电动机 Motor : 1.65kg 减速器 Gearhead : 0.8kg

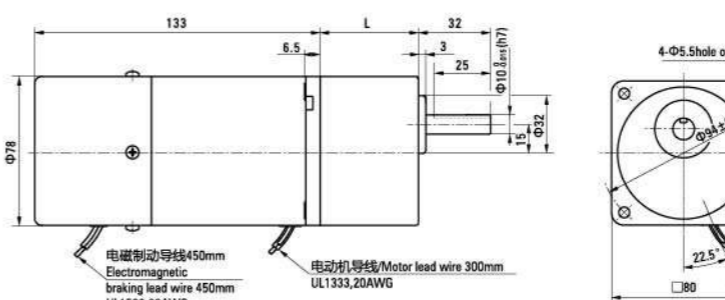


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
4RK25GN-A 4RK25GN-E 4RK25GN-C 4RK25GN-H	4GN□K	3~18 25~200	32 43.5

● 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 刹车尺寸图 Brake Type Drawing

重量 Weight : 电动机 Motor : 2.15kg 减速器 Gearhead : 0.8kg

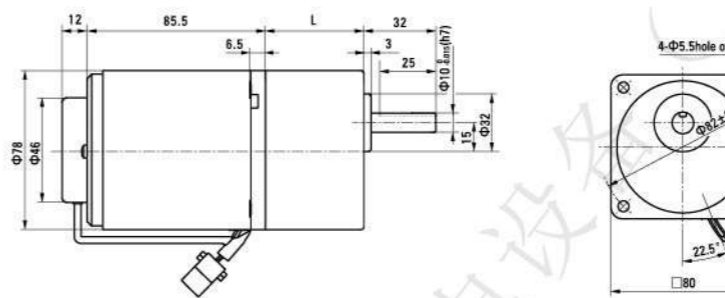


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
4RK25GN-AM 4RK25GN-EM 4RK25GN-CM 4RK25GN-HM 4RK25GN-SM	4GN□K	3~18 25~200	32 43.5

● 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 调速尺寸图 Speed Control Type Drawing

重量 Weight : 电动机 Motor : 1.7kg 减速器 Gearhead : 0.8kg

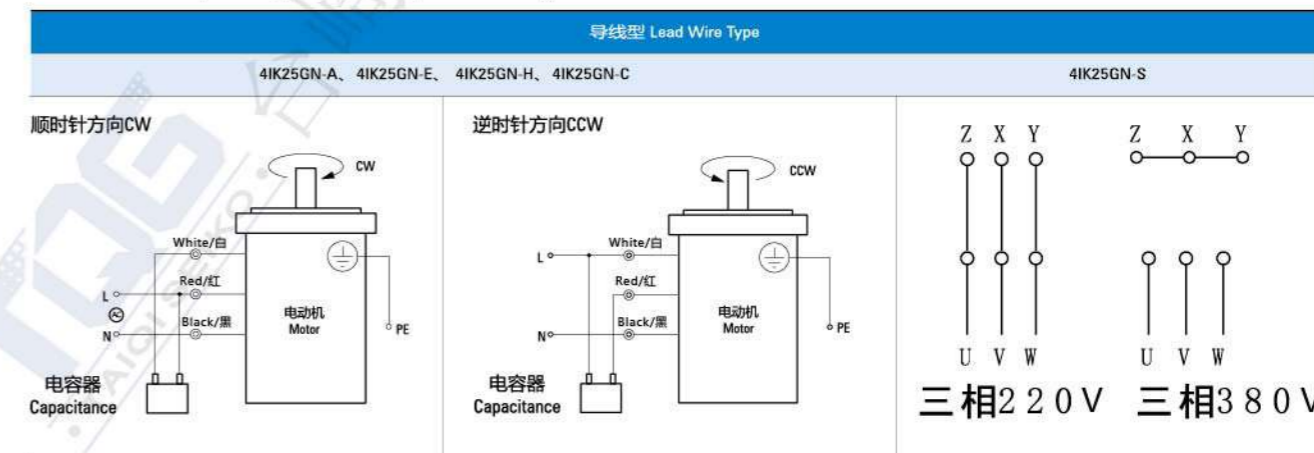


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
4IK25RGN-A 4IK25RGN-E 4IK25RGN-C 4IK25RGN-H	4GN□K	3~18 25~200	32 43.5

● 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 连接图 Wiring Diagram

● 运转方向指从电动机轴看来的方向。CW表示顺时针方向，CCW表示逆时针方向。  
The direction of motor rotation is as viewed from the shaft end of motor. CW represents the clockwise direction, while CCW represents the counterclockwise direction.  
● 表中所记品名为齿轮轴型，圆轴型亦同。  
Name indicated in the list is pinion shaft type, also valid for the equivalent round shaft type.



### 请注意 Note:

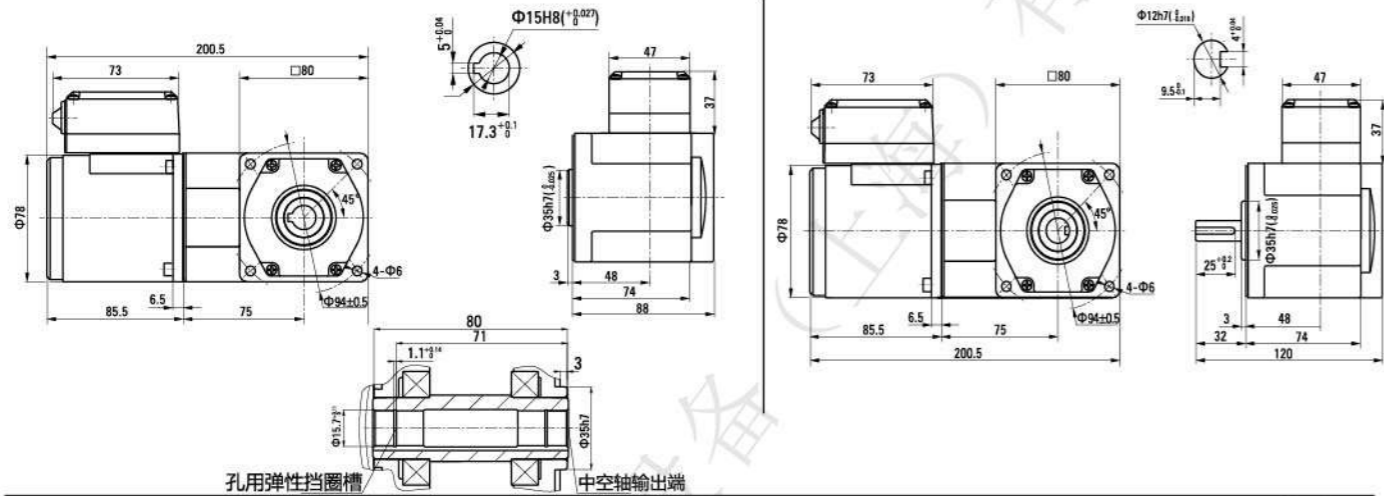
单相电动机运转方向的转换应在电动机停止后进行。  
Change the direction of single-phase motor rotation only after bring the motor to a stop.  
若在电动机运转时转换运转方向，可能发生无法转换运转方向或须费时较久的情况。  
If an attempt is made to change the direction of rotation while the motor is rotating, motor may ignore reversing command or change its direction of rotation after some delay.

**25W 80mm 弧锥直角 SPIRAL BEVEL RIGHT ANGLE**



容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

机型Type	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速器 Motor/Gearhead	转速Speed r/min	50Hz 500	417	300	250	200	166	120	100	83	60	50	42	30	25	20	16	15	12	10	8
		60Hz 600	500	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10
4IK25GN-A□ 4IK25GN-E□ 4IK25GN-C□ 4GN□RC 4IK25GN-H□ 4GN□RT 4IK25GN-S□	容许力矩 Allowance Torque	50Hz	0.36	0.43	0.59	0.71	0.99	1.18	1.64	1.97	2.37	3.29	3.95	4.73	6.58	7.10	8.00	8.00	8.00	8.00	8.00
		60Hz	0.29	0.34	0.48	0.57	0.80	0.95	1.33	1.59	1.91	2.65	3.18	3.82	5.30	5.73	7.16	8.00	8.00	8.00	8.00
		60Hz	2.92	3.51	4.87	5.84	8.12	9.74	13.5	16.2	19.5	27.1	32.5	39.0	54.1	58.4	73.0	80.00	80.00	80.00	80.00



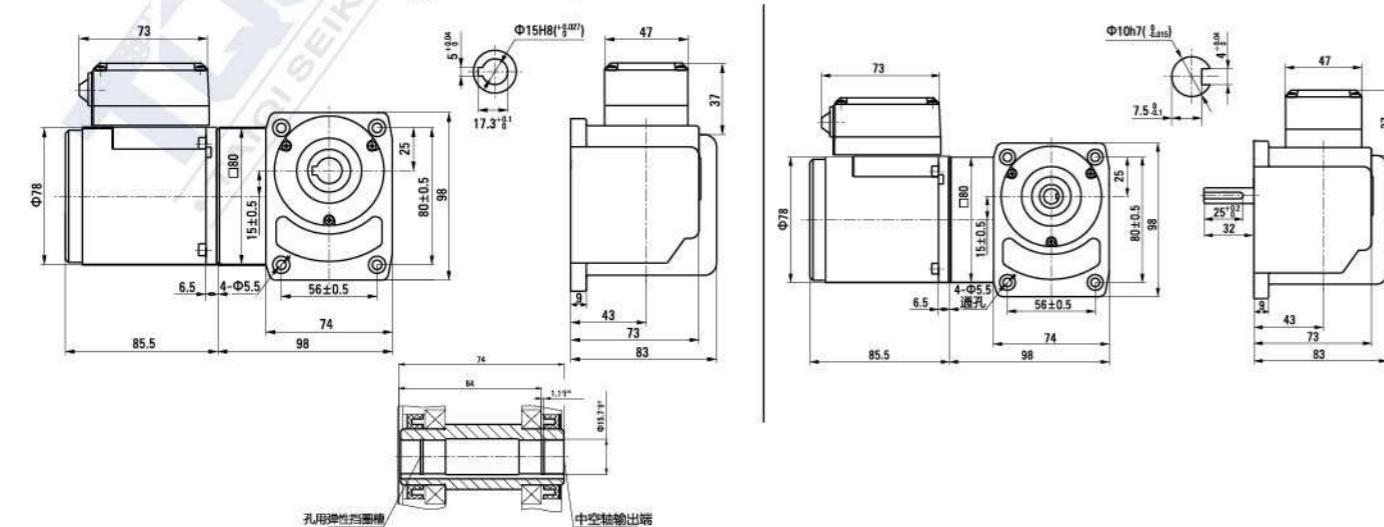
**25W 80mm 蜗轮蜗杆直角 WORM GEAR RIGHT ANGLE**



容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

机型Type	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速器 Motor/Gearhead	转速Speed r/min	50Hz 500	417	300	250	200	166	120	100	83	60	50	42	30	25	20	16	15	12	10	8
		60Hz 600	500	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10
4IK25GN-A□ 4IK25GN-E□ 4IK25GN-C□ 4GN□RH 4IK25GN-H□ 4GN□RA 4IK25GN-S□	容许力矩 Allowance Torque	50Hz	0.26	0.31	0.39	0.46	0.58	0.70	0.97	1.16	1.39	1.93	2.32	2.78	3.87	4.64	5.80	6.96	7.74	8.00	8.00
		60Hz	2.63	3.16	3.95	4.74	5.92	7.10	9.87	11.8	14.2	19.7	23.7	28.4	39.5	47.4	59.2	71.0	78.9	80.0	80.0
		60Hz	0.21	0.31	0.39	0.46	0.58	0.70	0.97	1.16	1.39	1.93	2.32	2.78	3.87	4.64	5.82	6.96	7.74	8.00	8.00
		60Hz	2.12	3.16	3.95	4.74	5.92	7.10	9.87	11.8	14.2	19.7	23.7	28.4	39.5	47.4	59.2	71.0	78.9	80.0	80.0

**感应尺寸图 Induction Type Drawing**



**40W 90mm**



规格 Specs 连续额定 Continuous Rating

型号Model · 类型 Type	上段: 齿轮轴 Upper: Pinion Shaft 下段: 内圆轴 Below: Round Shaft	输出功率 Output 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	电容器容量 Capacitor μF
感应电动机 Induction Motor	5IK40GN-A (5IK40A-A)	40	1ph 100	50	0.65	220	315	1250	12.0
	60			0.70					
	5IK40GN-E (5IK40A-E)	40	1ph 110 1ph 120	60	0.55	200	260	1550	8.0
	60			0.60					
	5IK40GN-C (5IK40A-C)	40	1ph 220 1ph 230	50	0.35	220	315	1250	2.5
	60			0.40					
5IK40GN-H (5IK40A-H)	40	1ph 220 1ph 230	60	0.35	200	260	1550	-	
60			0.40						
5IK40GN-S (5IK40A-S)	40	3ph 220	50	0.30	800	315	1250	-	
60			0.25	660					250
可接电动机 Reversible Motors	5RK40GN-A (5RK40A-A)	40	1ph 100	50	0.78	300	315	1250	15.0
	60			1.05	260				
	5RK40GN-E (5RK40A-E)	40	1ph 110 1ph 120	60	0.79	260	260	1550	12.0
	60			0.80					
	5RK40GN-C (5RK40A-C)	40	1ph 220 1ph 230	50	0.45	270	315	1250	3
	60			0.45					
5RK40GN-H (5RK40A-H)	40	1ph 220 1ph 230	60	0.45	270	260	1550	3	
60			0.45						

型号Model · 类型 Type	齿轮轴型 Pinion Shaft	圆轴型 Round Shaft	额定 Rating	输出功率 Output 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	电容器容量 Capacitor μF
刹车电动机 Brake Motors	5RK40GN-AM	5RK40A-AM	30min	40	1ph 100	50	0.78	300	315	1250	15.0
						60	1.05				
	5RK40GN-EM	5RK40A-EM	30min	40	1ph 110 1ph 120	60	0.79	260	260	1550	12.0
						60	0.80				
	5RK40GN-CM	5RK40A-CM	30min	40	1ph 220 1ph 230	50	0.45	270	315	1250	3.0
						60	0.45				
5RK40GN-HM	5RK40A-HM	30min	40	1ph 220 1ph 230	60	0.45	270	260	1550	-	
					60	0.45					
5RK40GN-SM	5RK40A-SM	30min	40	3ph 220	50	0.30	800	315	1250	0.30	
					60	0.25					660

型号Model · 类型 Type	齿轮轴型 Pinion Shaft	圆轴型 Round Shaft	最大输出功率 Output power W	电压 Voltage V	频率 Frequency Hz	调速范围 Speed Control Range r/min	容许转矩 Allowance Torque		启动转矩 Starting Torque mN.m	电流 Current A	电容器容量 Capacitor μF
							1200r/min mN.m	90r/min mN.m			
5IK40RGN-A	5IK40RA-A	40	40	1ph 100	50	90-1350	260	70	180	0.65	12.0
										90-1650	
5IK40RGN-E	5IK40RA-E	40	40	1ph 110 1ph 120	60	90-1650	260	65	180	0.55	8.0
										0.60	
5IK40RGN-C	5IK40RA-C	40	40	1ph 220 1ph 230	50	90-1350	300	75	160	0.35	2.5
										0.40	
5IK40RGN-H	5IK40RA-H	40	40	1ph 220 1ph 230	60	90-1650	230	70	145	0.35	2.5
										0.40	

## 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

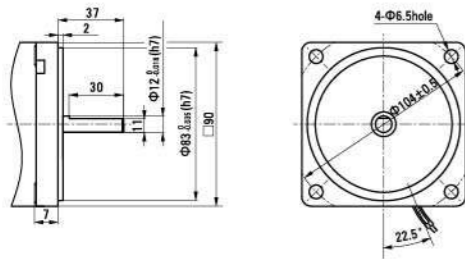
类型 Type 电动机/减速机 Motor/Gearhead	减速比 Gear Ratio	容许力矩单位																					
		3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200	
5IK40GN-A□ 5IK40GN-E□ 5IK40GN-C□ 5IK40GN-H□ 5IK40GN-S□	转速 Speed r/min	50Hz	500	417	300	250	200	166	120	100	83	60	50	41	30	25	20	16	15	12.5	10	8.3	7.5
	60Hz	600	500	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10	9	
5GN□K	50Hz	0.77	0.92	1.3	1.5	1.9	2.3	3.2	3.8	4.6	5.7	6.9	8.3	10	10	10	10	10	10	10	10	10	10
	60Hz	7.85	9.38	13.2	15.3	19.4	23.4	32.6	38.7	46.9	58.1	70.4	84.7	100	100	100	100	100	100	100	100	100	
		0.63	0.76	1.1	1.3	1.6	1.9	2.6	3.2	3.8	4.7	5.7	6.8	8.6	10	10	10	10	10	10	10	10	
		6.42	7.75	11.2	13.2	16.3	19.3	26.5	32.6	38.7	47.9	58.1	69.3	87.7	100	100	100	100	100	100	100	100	

## 外形图 ( 单位 mm ) Dimensions(Unit mm)

减速机附有安装用螺丝 Mounting screws are included with gearhead.

### 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

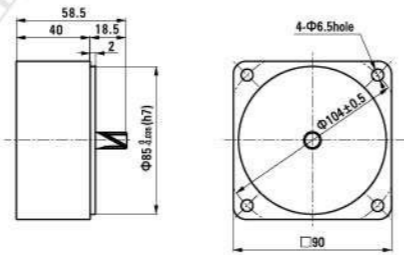
除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



### 中间减速机 Decimal Gearhead

可安装在GN齿轮轴型上 Can be connected to GN pinion shaft type  
电动机外形与齿轮轴型相同  
5GN10XK

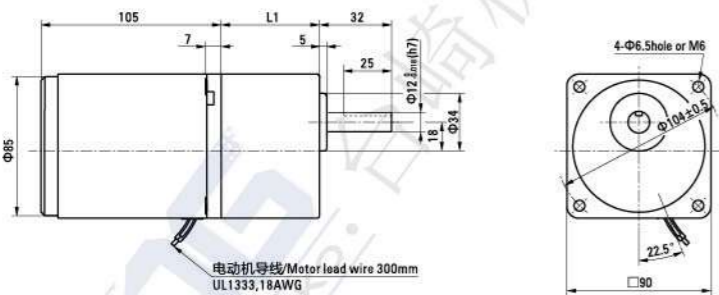
重量 Weight : 0.6kg



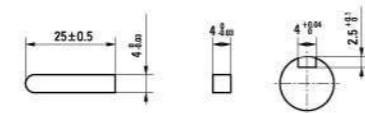
## 感应尺寸图 Induction Type Drawing

重量 Weight : 电动机 Motor : 2.4kg

减速机 Gearhead : 1.35kg



### 键·键槽 ( 减速机附件 ) Key · Keyway(Accessory Of Gearhead)



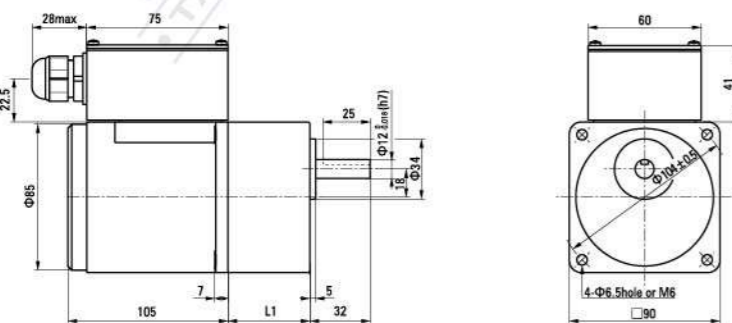
电动机型号 Motor Model	减速机型号 Gearhead Model	减速比 Gear Ratio	L1
5IK40GN-A 5IK40GN-E 5IK40GN-C 5IK40GN-H 5IK40GN-S	5GN□K	3~18	42
		25~200	60

•减速机型号的□中为减速比的数值  
Enter the gear ratio in the box ( □ ) within the model name

## 带端子箱型 Terminal Box Type ②

重量 Weight : 电动机 Motor : 2.55kg

减速机 Gearhead : 1.35kg



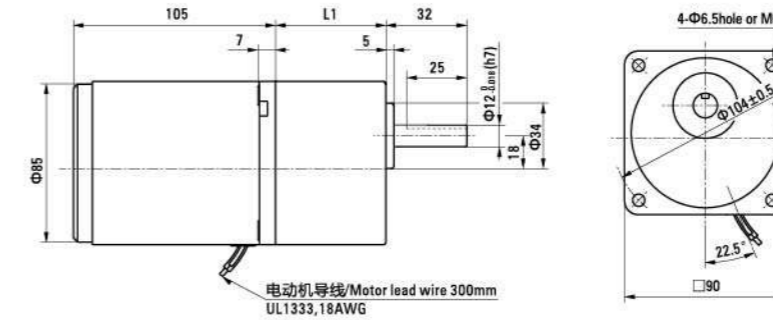
电动机型号 Motor Model	减速机型号 Gearhead Model	减速比 Gear Ratio	L1
5IK40GN-AT 5IK40GN-ET 5IK40GN-CT 5IK40GN-HT 5IK40GN-ST	5GN□K	3~18	42
		25~200	60

•减速机型号的□中为减速比的数值  
Enter the gear ratio in the box ( □ ) within the model name

## 可逆尺寸图 Reversible Type Drawing

重量 Weight : 电动机 Motor : 2.5kg

减速机 Gearhead : 1.35kg



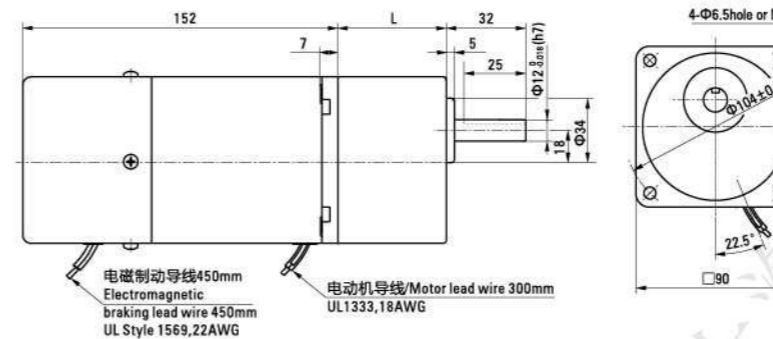
电动机型号 Motor Model	减速机型号 Gearhead Model	减速比 Gear Ratio	L1
5RK40GN-A 5RK40GN-E 5RK40GN-C 5RK40GN-H	5GN□K	3~18	42
		25~200	60

•减速机型号的□中为减速比的数值  
Enter the gear ratio in the box ( □ ) within the model name

## 刹车尺寸图 Brake Type Drawing

重量 Weight : 电动机 Motor : 3.1kg

减速机 Gearhead : 1.35kg



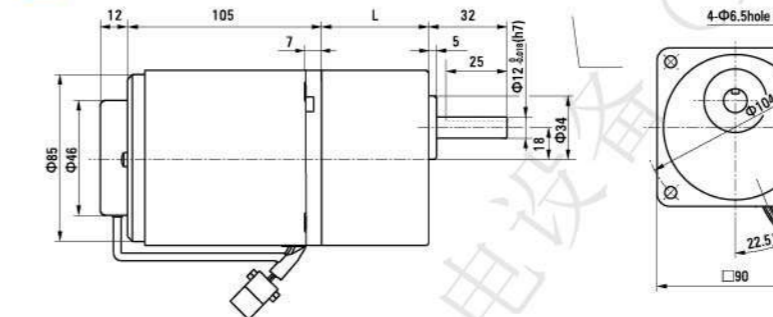
电动机型号 Motor Model	减速机型号 Gearhead Model	减速比 Gear Ratio	L1
5RK40GN-AM 5RK40GN-EM 5RK40GN-CM 5RK40GN-HM 5RK40GN-SM	5GN□K	3~18	42
		25~200	60

•减速机型号的□中为减速比的数值  
Enter the gear ratio in the box ( □ ) within the model name

## 调速尺寸图 Speed Control Type Drawing

重量 Weight : 电动机 Motor : 2.5kg

减速机 Gearhead : 1.35kg

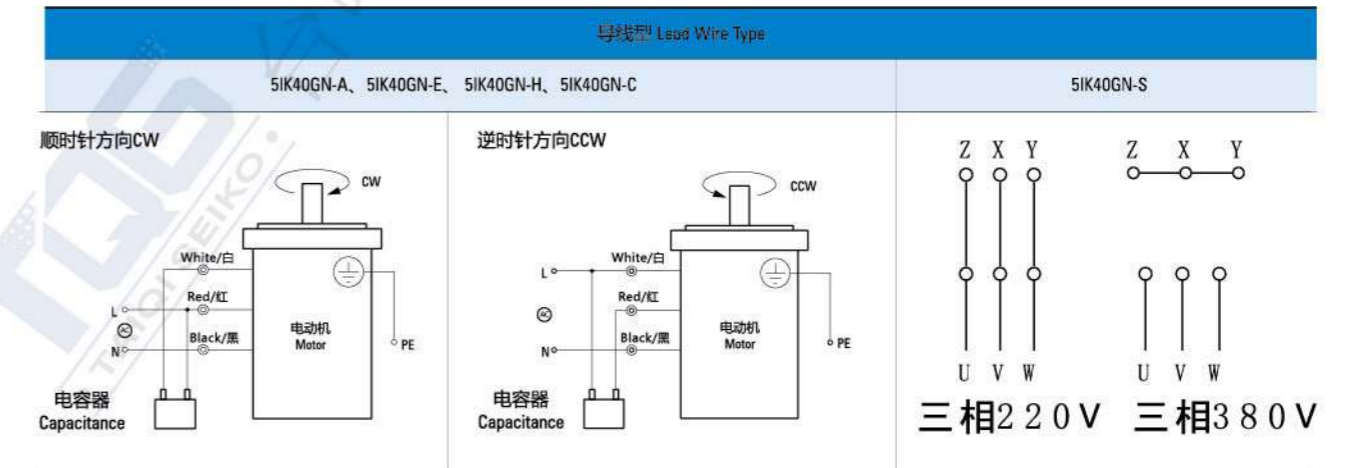


电动机型号 Motor Model	减速机型号 Gearhead Model	减速比 Gear Ratio	L1
5IK40RGN-A 5IK40RGN-E 5IK40RGN-C 5IK40RGN-H	5GN□K	3~18	42
		25~200	60

•减速机型号的□中为减速比的数值  
Enter the gear ratio in the box ( □ ) within the model name

## 连接图 Wiring Diagram

•运转方向指从电动机轴端来的方向。CW表示顺时针方向, CCW表示逆时针方向。  
The direction of motor rotation is as viewed from the shaft end of motor. CW represents the clockwise direction, while CCW represents the counterclockwise direction.  
•表中所记品名为齿轮轴型, 圆轴型亦同。  
Name indicated in the list is pinion shaft type, also valid for the equivalent round shaft type.



请注意 Note:  
单相电动机运转方向的转换应在电动机停止后进行。  
Change the direction of single-phase motor rotation only after bring the motor to a stop.  
若在电动机运转时转换运转方向, 可能发生无法转换运转方向或须费时较久的情况。  
If an attempt is made to change the direction of rotation while the motor is rotating, motor may ignore reversing command or change its direction of rotation after some delay.

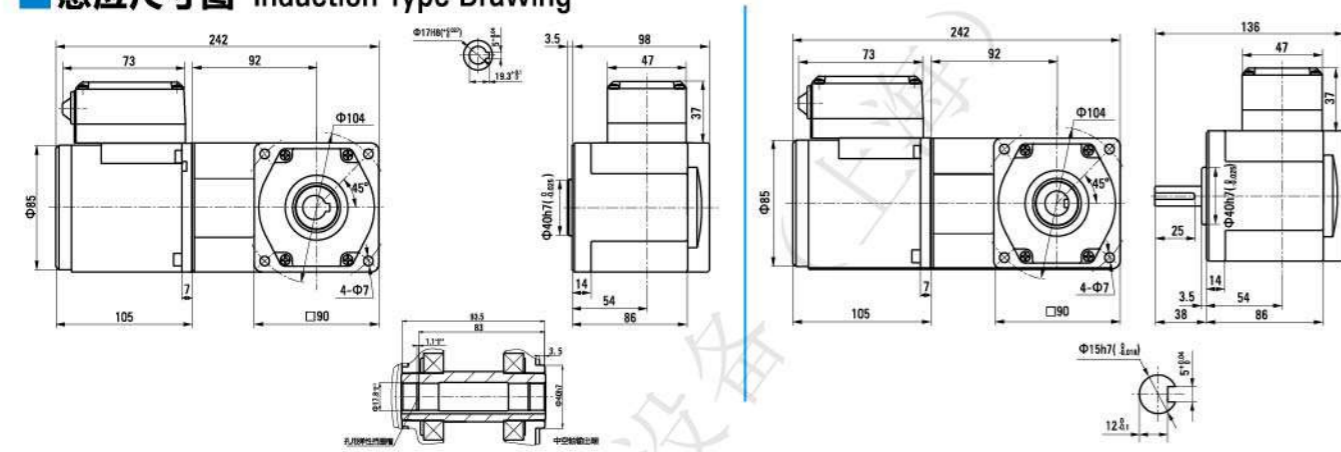
**40W**  
90mm 弧锥直角  
SPIRAL BEVEL RIGHT ANGLE



容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

机型Type	减速机Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速机 Motor/Gearhead	转速Speed r/min	500	417	300	250	200	166	120	100	83	60	50	42	30	25	20	16	15	12	10	8
	50Hz	0.57	0.68	0.59	1.14	1.58	1.89	2.63	3.16	3.79	5.26	6.31	6.8	9.5	11.4	14.2	17.0	18.9	20.0	20.0	20.0
5IK40GU-A□ 5IK40GU-E□ 5IK40GU-C□ 5IK40GU-H□ 5IK40GU-S□	容许力矩 Allowance Torque	5.80	6.96	9.66	11.6	16.1	19.3	26.8	32.2	38.6	53.7	64.4	70	97	116	145	174	193	200	200	200
	60Hz	4.67	5.61	7.79	9.35	13.0	15.6	21.6	26.0	31.2	43.3	51.9	56.1	77.9	93.5	117	140	156	187	200	200

感应尺寸图 Induction Type Drawing



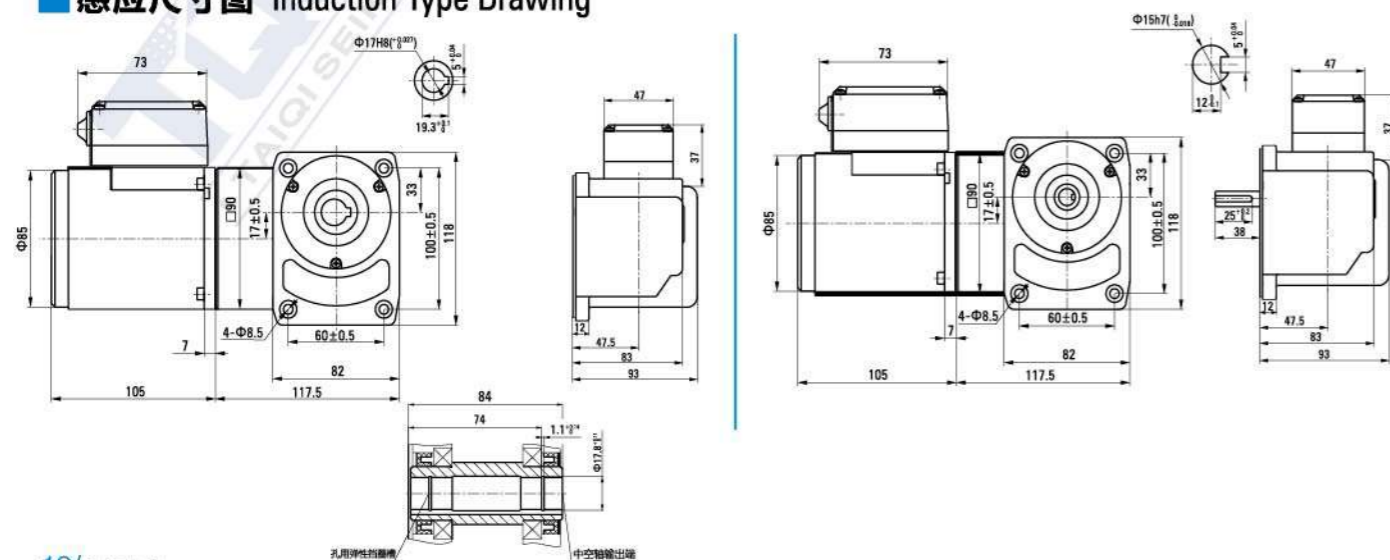
**40W**  
90mm 蜗轮蜗杆直角  
WORM GEAR RIGHT ANGLE



容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

机型Type	减速机Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速机 Motor/Gearhead	转速Speed r/min	500	417	300	250	200	166	120	100	83	60	50	42	30	25	20	16	15	12	10	8
	50Hz	0.41	0.50	0.62	0.74	0.93	1.11	1.55	1.86	2.23	3.09	3.71	4.46	6.19	7.43	9.28	11.1	12.4	14.9	18.6	20.0
5IK40GU-A□ 5IK40GU-E□ 5IK40GU-C□ 5IK40GU-H□ 5IK40GU-S□	容许力矩 Allowance Torque	4.21	5.05	6.31	7.58	9.47	11.4	15.8	18.9	22.7	31.6	37.9	45.5	63.1	75.8	94.7	114	126	152	189	200
	60Hz	3.39	4.07	5.09	6.11	7.64	9.17	12.7	15.3	18.3	25.5	30.6	36.7	50.9	61.1	76.4	91.7	102	122	153	183

感应尺寸图 Induction Type Drawing



**60W**  
90mm



规格 Specs 连续额定 Continuous Rating

型号Model · 类型 Type	上段齿轴轴 Upper Pinion Shaft 下段内圆轴 Below Round Shaft	输出功率 Output power	电压 Voltage	频率 Frequency	电流 Current	启动转矩 Starting Torque	额定转矩 Rated Torque	额定转速 Rated Speed	电容器容量 Capacitor
5IK60GN-AF (5IK60A-AF)	5IK60GN-AFT (5IK60A-AFT)	60	1ph 100	50	1.00	320	470	1250	20.0
5IK60GN-EF (5IK60A-EF)	5IK60GN-EFT (5IK60A-EFT)	60	1ph 110	60	0.80	300	380	1550	12.0
5IK60GN-CF (5IK60A-CF)	5IK60GN-CFT (5IK60A-CFT)	60	1ph 220	50	0.50	340	470	1250	4.0
5IK60GN-HF (5IK60A-HF)	5IK60GN-HFT (5IK60A-HFT)	60	1ph 230	60	0.55	340	380	1550	
5IK60GN-SF (5IK60A-SF)	5IK60GN-SFT (5IK60A-SFT)	60	3ph 220	50	0.45	1000	470	1250	-
				60	0.40	800	380	1550	-
5RK60GN-AF (5RK60A-AF)	5RK60GN-AFT (5RK60A-AFT)	60	1ph 100	50	1.26	470	470	1250	25.0
				60	1.70	380	380	1550	15.0
5RK60GN-EF (5RK60A-EF)	5RK60GN-EFT (5RK60A-EFT)	60	1ph 110	60	1.05	330	380	1550	4.5
5RK60GN-CF (5RK60A-CF)	5RK60GN-CFT (5RK60A-CFT)	60	1ph 220	50	0.55	420	470	1250	
				60	0.60	460	470	1250	4.5
5RK60GN-HF (5RK60A-HF)	5RK60GN-HFT (5RK60A-HFT)	60	1ph 220	60	0.55	420	380	1550	4.5
				60	0.60	460	380	1550	

型号Model · 类型 Type	额定 Rating	输出功率 Output power	电压 Voltage	频率 Frequency	电流 Current	启动转矩 Starting Torque	额定转矩 Rated Torque	额定转速 Rated Speed	电容器容量 Capacitor
5RK60GN-AFM (5RK60A-AFM)	30min	60	1ph 100	50	1.26	470	470	1250	25.0
				60	1.70	380	380	1550	15.0
5RK60GN-EFM (5RK60A-EFM)	30min	60	1ph 110	60	1.05	330	380	1550	4.5
				60	1.05	380	380	1550	
5RK60GN-CFM (5RK60A-CFM)	30min	60	1ph 220	50	0.55	420	470	1250	4.5
				50	0.60	460	470	1250	
5RK60GN-HFM (5RK60A-HFM)	30min	60	1ph 220	60	0.55	420	380	1550	4.5
				60	0.60	460	380	1550	
5RK60GN-SFM (5RK60A-SFM)	30min	60	3ph 220	50	0.45	1000	470	1250	-
				60	0.40	800	380	1550	-

型号Model · 类型 Type	最大输出功率 Output power	电压 Voltage	频率 Frequency	调速范围 Speed Control Range	容许转矩 Allowance Torque	启动转矩 Starting Torque	电流 Current	电容器容量 Capacitor
5IK60RGN-AF (5IK60RA-AF)	60	1ph 100	50	90~1350	460	140	265	1.00
			60	90~1650	490	160	265	1.10
5IK60RGN-EF (5IK60RA-EF)	60	1ph 110	60	90~1650	490	160	265	0.80
			60	90~1650	490	160	265	0.85
5IK60RGN-CF (5IK60RA-CF)	60	1ph 220	50	90~1350	490	140	265	0.50
			50	90~1350	490	140	265	0.55
5IK60RGN-HF (5IK60RA-HF)	60	1ph 220	60	90~1650	490	160	265	0.50
			60	90~1650	490	160	265	0.55

## 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

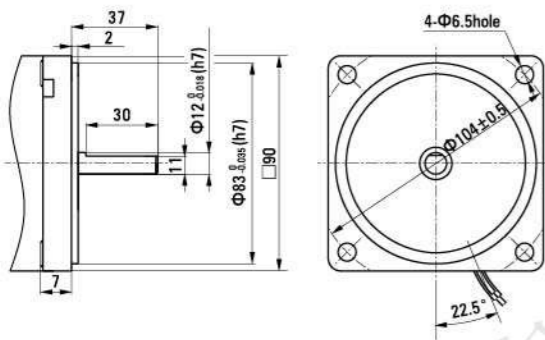
类型 Type 电动机/减速机 Motor/Gearhead	减速比 Gear Ratio	容许力矩单位 Allowance Torque Unit																				
		3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200
5IK60GN-AF□ 5IK60GN-EF□ 5IK60GN-CF□ 5IK60GN-HF□ 5IK60GN-SF□	50Hz	500	417	300	250	200	166	120	100	83	60	50	41	30	25	20	16	15	12.5	10	8.3	7.5
	60Hz	600	500	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10	9

## 外形图 (单位 mm) Dimensions (Unit mm)

减速机附有安装用螺丝 Mounting screws are included with gearhead.

### 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

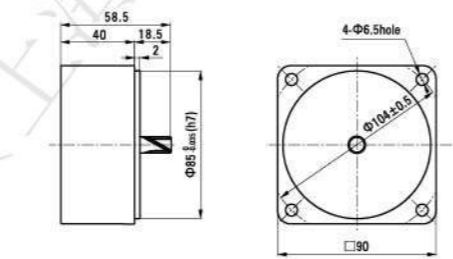
除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



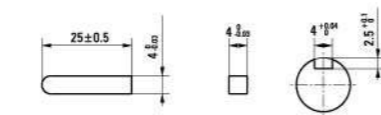
### 中间减速机 Decimal Gearhead

可安装在GN齿轴型上 Can be connected to GN pinion shaft type  
电动机外形与齿轴型相同  
5GN10XK

重量 Weight : 0.6kg



### 键·键槽 (减速机附件) Key · Keyway (Accessory Of Gearhead)

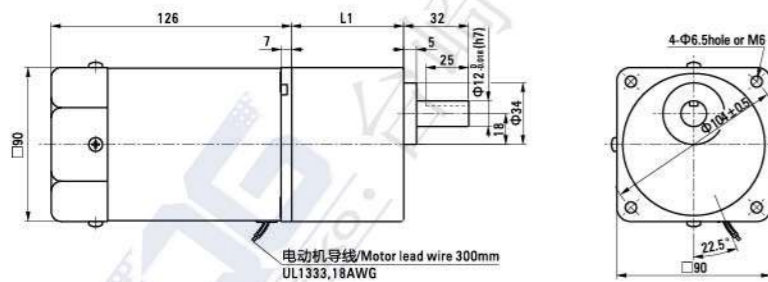


重量 Weight : 电动机 Motor : 2.7kg 减速机 Gearhead : 1.35kg

电动机型号 Motor Model	减速机型号 Gearhead Model	减速比 Gear Ratio	L1
5IK60GN-AF	5GN□K	3~18	42
5IK60GN-EF			
5IK60GN-CF		25~200	60
5IK60GN-HF			
5IK60GN-SF			

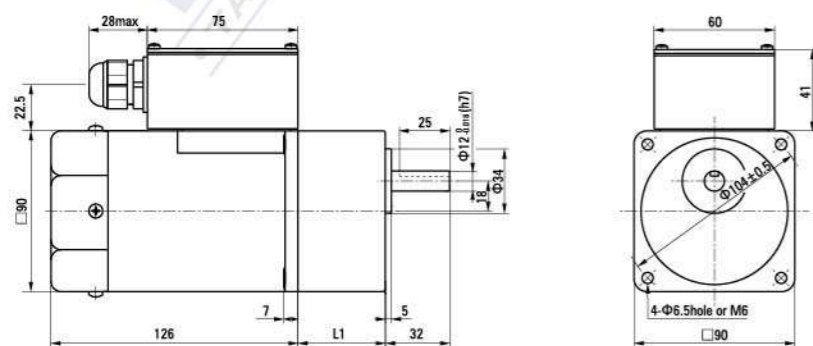
●减速机型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 感应尺寸图 Induction Type Drawing



### 带端子箱型 Terminal Box Type ②

重量 Weight : 电动机 Motor : 2.85kg 减速机 Gearhead : 1.35kg

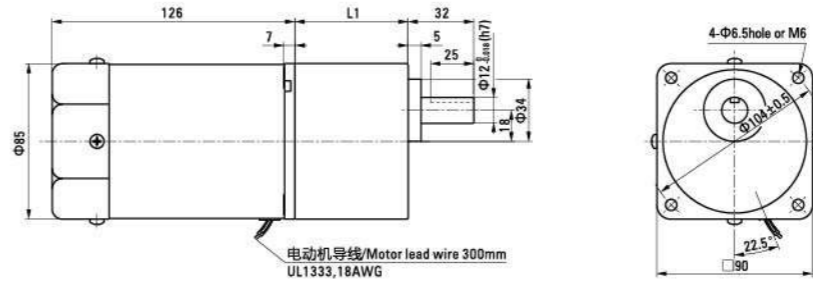


电动机型号 Motor Model	减速机型号 Gearhead Model	减速比 Gear Ratio	L1
5IK60GN-AFT	5GN□K	3~18	42
5IK60GN-EFT			
5IK60GN-CFT		25~200	60
5IK60GN-HFT			
5IK60GN-SFT			

●减速机型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 可逆尺寸图 Reversible Type Drawing

重量 Weight : 电动机 Motor : 2.75kg 减速机 Gearhead : 1.35kg

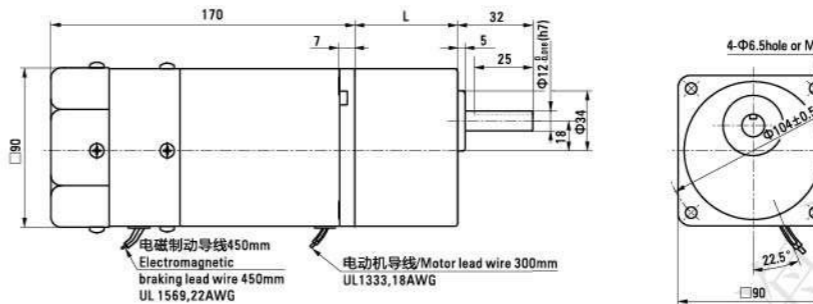


电动机型号 Motor Model	减速机型号 Gearhead Model	减速比 Gear Ratio	L1
5RK60GN-AF	5GN□K	3~18	42
5RK60GN-EF			
5RK60GN-CF		25~200	60
5RK60GN-HF			

●减速机型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 刹车尺寸图 Brake Type Drawing

重量 Weight : 电动机 Motor : 3.55kg 减速机 Gearhead : 1.35kg

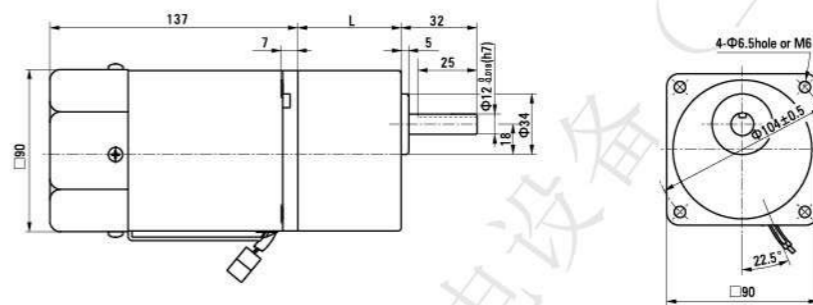


电动机型号 Motor Model	减速机型号 Gearhead Model	减速比 Gear Ratio	L1
5RK60GN-AFM	5GN□K	3~18	42
5RK60GN-EFM			
5RK60GN-CFM		25~200	60
5RK60GN-HFM			
5RK60GN-SFM			

●减速机型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 调速尺寸图 Speed Control Type Drawing

重量 Weight : 电动机 Motor : 2.8kg 减速机 Gearhead : 1.35kg



电动机型号 Motor Model	减速机型号 Gearhead Model	减速比 Gear Ratio	L1
5IK60GN-A	5GN□K	3~18	42
5IK60GN-E			
5IK60GN-C		25~200	60
5IK60GN-H			

●减速机型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

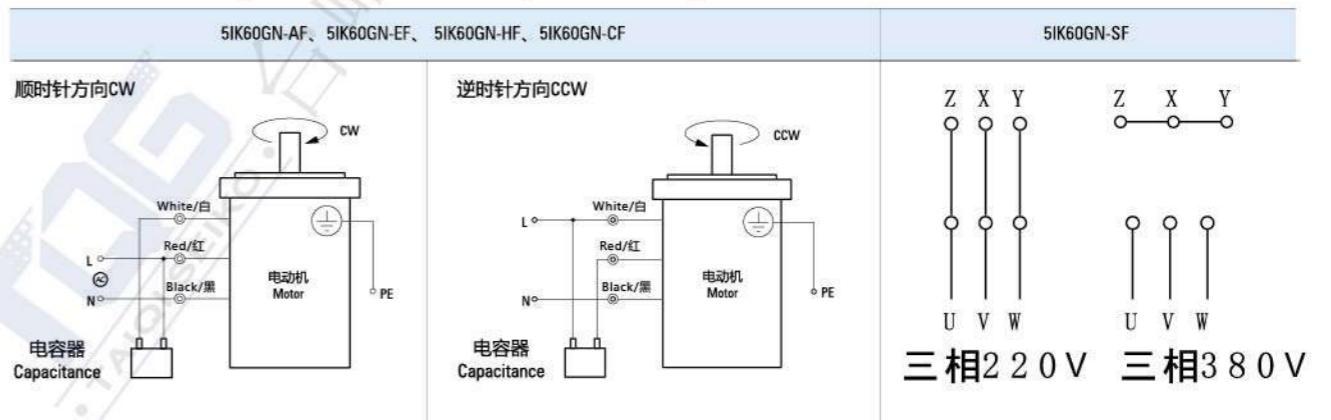
## 连接图 Wiring Diagram

●运转方向指从电动机轴看来的方向。CW表示顺时针方向，CCW表示逆时针方向。

The direction of motor rotation is as viewed from the shaft end of motor. CW represents the clockwise direction, while CCW represents the counterclockwise direction.

●表中所记品名为齿轴型，圆轴型亦同。

Name indicated in the list is pinion shaft type, also valid for the equivalent round shaft type.



请注意 Note:

单相电动机运转方向的转换应在电动机停止后进行。

Change the direction of single-phase motor rotation only after bring the motor to a stop.

若在电动机运转时转换运转方向，可能发生无法转换运转方向或须费时较久的情况。

If an attempt is made to change the direction of rotation while the motor is rotating, motor may ignore reversing command or change its direction of rotation after some delay.



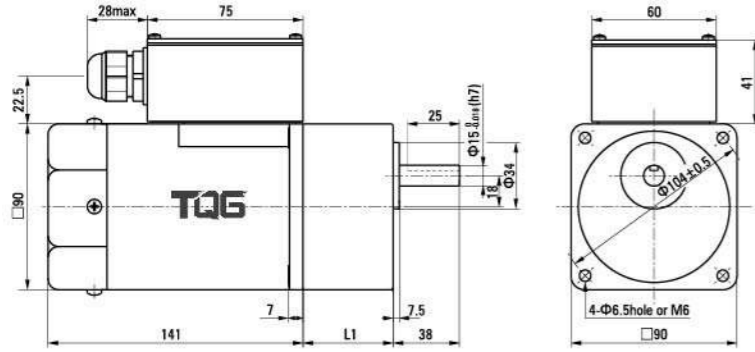






## 带端子箱型 Terminal Box Type ②

重量 Weight : 电动机 Motor : 3.35kg 减速器 Gearhead : 1.5kg

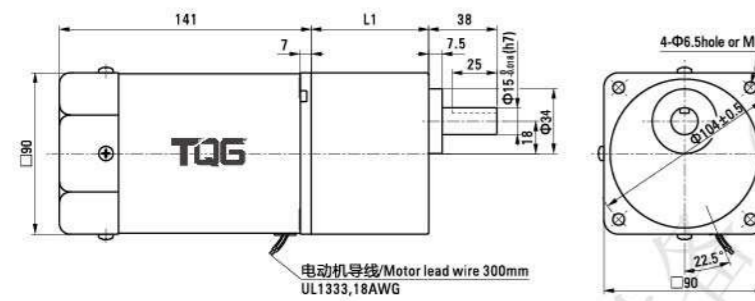


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
5IK90GU-AFT 5IK90GU-EFT 5IK90GU-CFT 5IK90GU-HFT 5IK90GU-SFT	5GU□KB	3~200	65.5

●减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 可逆尺寸图 Reversible Type Drawing

重量 Weight : 电动机 Motor : 3.25kg 减速器 Gearhead : 1.5kg

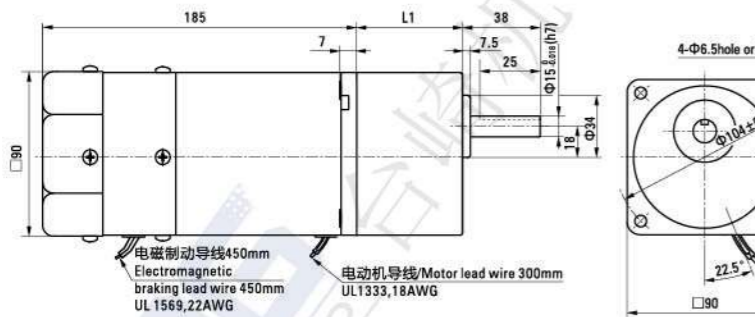


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
5RK90GU-AF 5RK90GU-EF 5RK90GU-CF 5RK90GU-HF	5GU□KB	3~200	65.5

●减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 刹车尺寸图 Brake Type Drawing

重量 Weight : 电动机 Motor : 4.3kg 减速器 Gearhead : 1.5kg

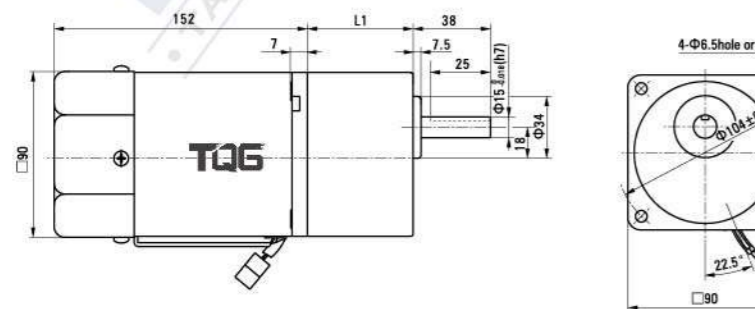


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
5RK90GU-AFM 5RK90GU-EFM 5RK90GU-CFM 5RK90GU-HFM 5RK90GU-SFM	5GU□KB	3~200	65.5

●减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 调速尺寸图 Speed Control Type Drawing

重量 Weight : 电动机 Motor : 3.3kg 减速器 Gearhead : 1.5kg



电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
5IK90RGU-AF 5IK90RGU-EF 5IK90RGU-CF 5IK90RGU-HF	5GU□KB	3~200	65.5

●减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

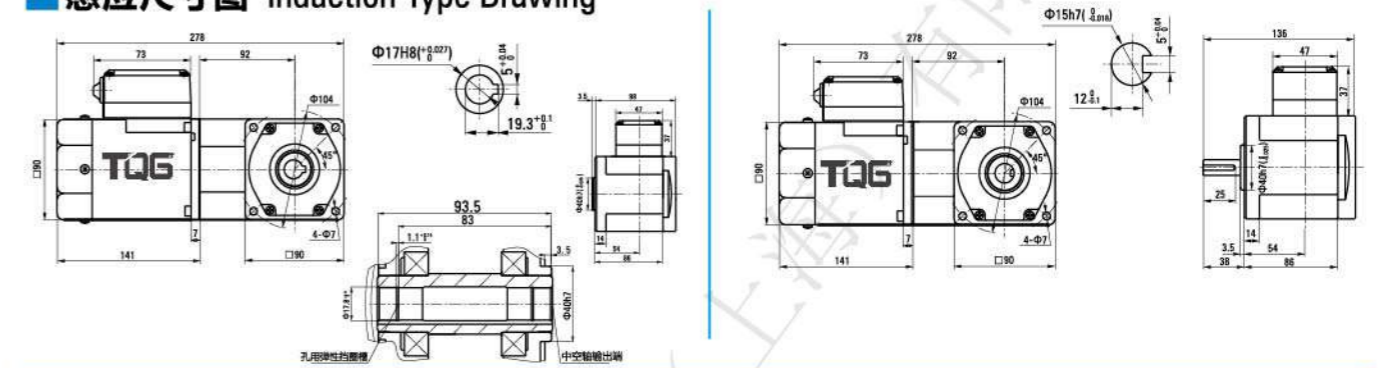
## 90W 弧锥直角 SPIRAL BEVEL RIGHT ANGLE



### 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

机型Type	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速器 Motor/Gearhead	转速Speed r/min	50Hz 500	417	300	250	200	166	120	100	83	60	50	42	30	25	20	16	15	12	10	8
	60Hz	600	500	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10
5IK90GU-AF□ 5IK90GU-EF□ 5IK90GU-CF□ 5IK90GU-HF□ 5IK90GU-SF□	容许力矩 Allowance Torque	50Hz	1.28	1.53	2.13	2.56	3.55	4.26	5.92	7.10	8.52	11.8	14.2	15.3	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	60Hz	1.03	1.24	1.72	2.06	2.86	3.44	4.77	5.73	6.87	9.54	11.5	12.4	17.2	20.0	20.0	20.0	20.0	20.0	20.0	20.0

## 感应尺寸图 Induction Type Drawing



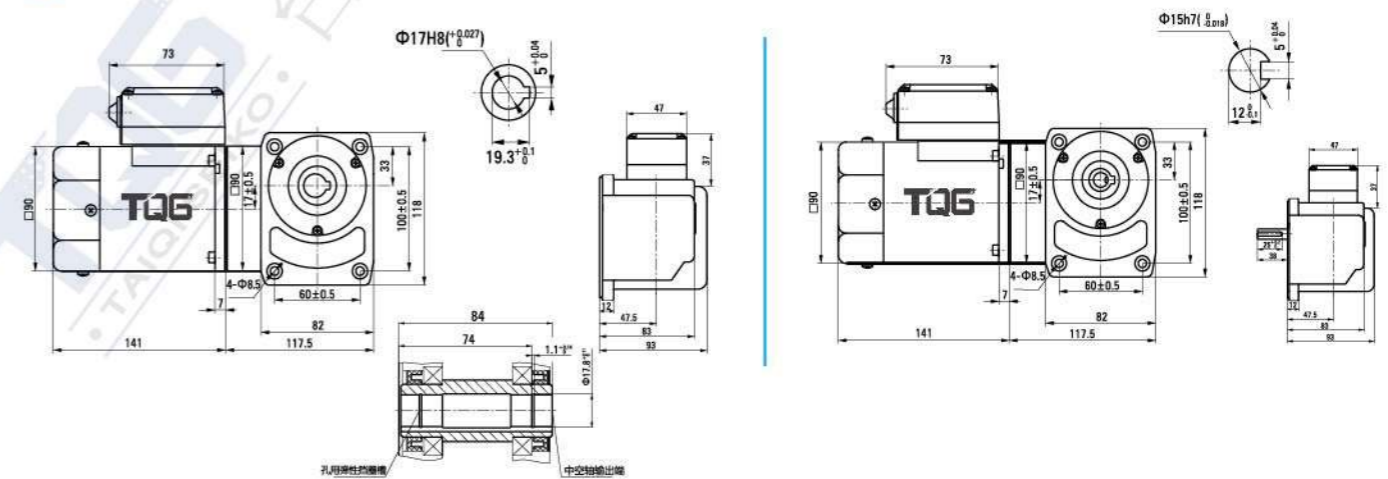
## 90W 蜗轮蜗杆直角 WORM GEAR RIGHT ANGLE



### 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

机型Type	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速器 Motor/Gearhead	转速Speed r/min	50Hz 500	417	300	250	200	166	120	100	83	60	50	42	30	25	20	16	15	12	10	8
	60Hz	600	500	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10
5IK90GU-AF□ 5IK90GU-EF□ 5IK90GU-CF□ 5IK90GU-HF□ 5IK90GU-SF□	容许力矩 Allowance Torque	50Hz	0.93	1.11	1.39	1.67	2.09	2.51	3.48	4.18	5.01	6.96	8.35	10.0	13.9	16.7	20.0	20.0	20.0	20.0	20.0
	60Hz	0.75	0.90	1.12	1.35	1.68	2.02	2.81	3.37	4.04	5.61	6.74	8.08	11.2	13.5	16.8	20.0	20.0	20.0	20.0	20.0

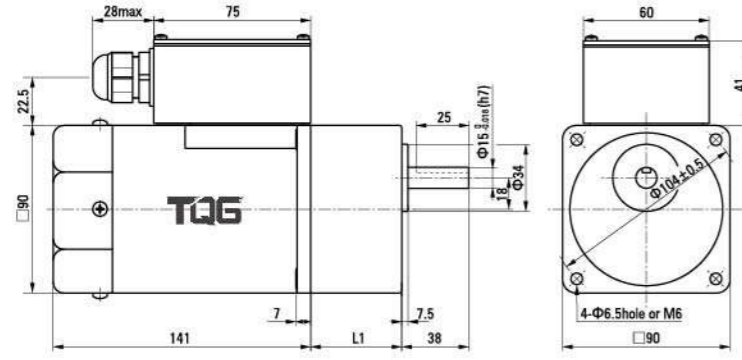
## 感应尺寸图 Induction Type Drawing





## 带端子箱型 Terminal Box Type ②

重量 Weight : 电动机 Motor : 3.55kg 减速器 Gearhead : 1.5kg



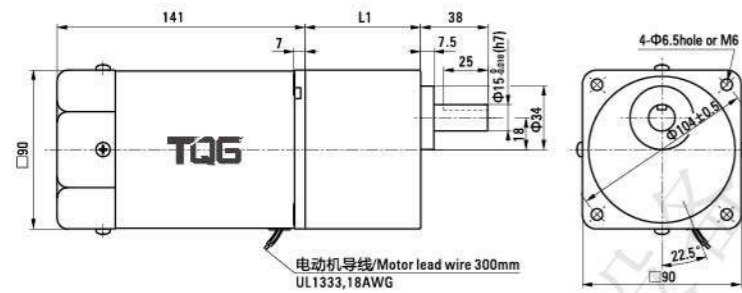
电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
5IK120GU-AFT	5GU□KB	3~200	65.5
5IK120GU-EFT			
5IK120GU-CFT			
5IK120GU-HFT			
5IK120GU-SFT			

●减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

●适用电缆直径为 Use cable with a diameter of  $\Phi 6 \sim \Phi 12$ mm

## 可逆尺寸图 Reversible Type Drawing

重量 Weight : 电动机 Motor : 3.25kg 减速器 Gearhead : 1.5kg

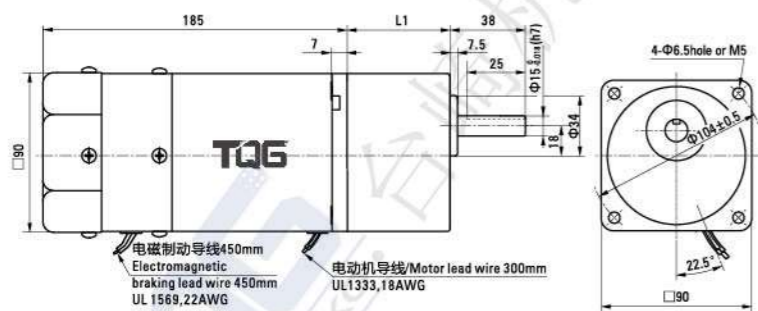


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
5RK120GU-AF	5GU□KB	3~200	65.5
5RK120GU-EF			
5RK120GU-CF			
5RK120GU-HF			

●减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 刹车尺寸图 Brake Type Drawing

重量 Weight : 电动机 Motor : 4.3kg 减速器 Gearhead : 1.5kg

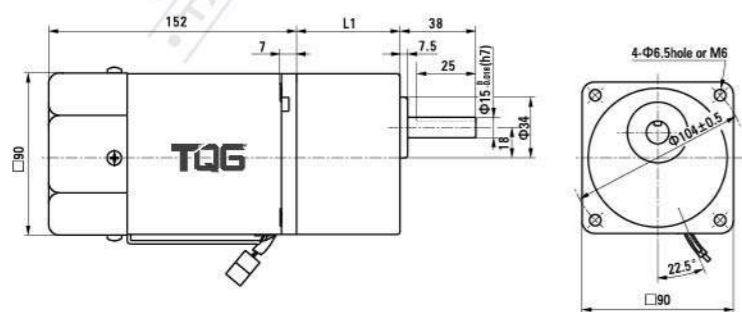


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
5RK120GU-AFM	5GU□KB	3~200	65.5
5RK120GU-EFM			
5RK120GU-CFM			
5RK120GU-HFM			
5RK120GU-SFM			

●减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 调速尺寸图 Speed Control Type Drawing

重量 Weight : 电动机 Motor : 3.5kg 减速器 Gearhead : 1.5kg



电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
5IK120RGU-AF	5GU□KB	3~200	65.5
5IK120RGU-EF			
5IK120RGU-CF			
5IK120RGU-HF			

●减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

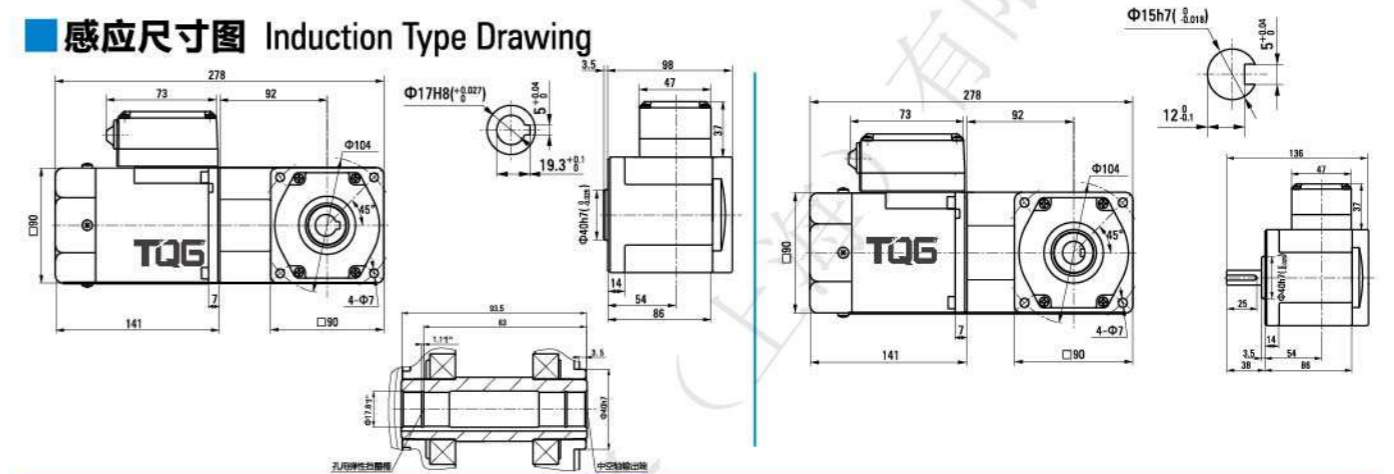
## 120W 90mm 弧锥直角 SPIRAL BEVEL RIGHT ANGLE



### 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

机型Type	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速器 Motor/Gearhead	转速Speed r/min	50Hz 500	417	300	250	200	166	120	100	83	60	50	42	30	25	20	16	15	12	10	8
	60Hz	600	500	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10
5IK120GU-AF□	容许力矩 Allowance	1.70	2.05	2.84	3.41	4.73	5.68	7.89	9.47	11.4	15.8	18.9	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5IK120GU-EF□	50Hz	17.4	20.9	29.0	34.8	48.3	58.0	80.5	96.6	116	161	193	200	200	200	200	200	200	200	200	200
5IK120GU-CF□	5GU□RC																				
5IK120GU-HF□	5GU□RT	1.37	1.65	2.29	2.75	3.82	4.58	6.36	7.64	9.16	12.7	15.3	16.5	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5IK120GU-SF□	60Hz	14.0	16.8	23.4	28.0	39.0	46.7	64.9	77.9	93.5	130	156	168	200	200	200	200	200	200	200	200

## 感应尺寸图 Induction Type Drawing



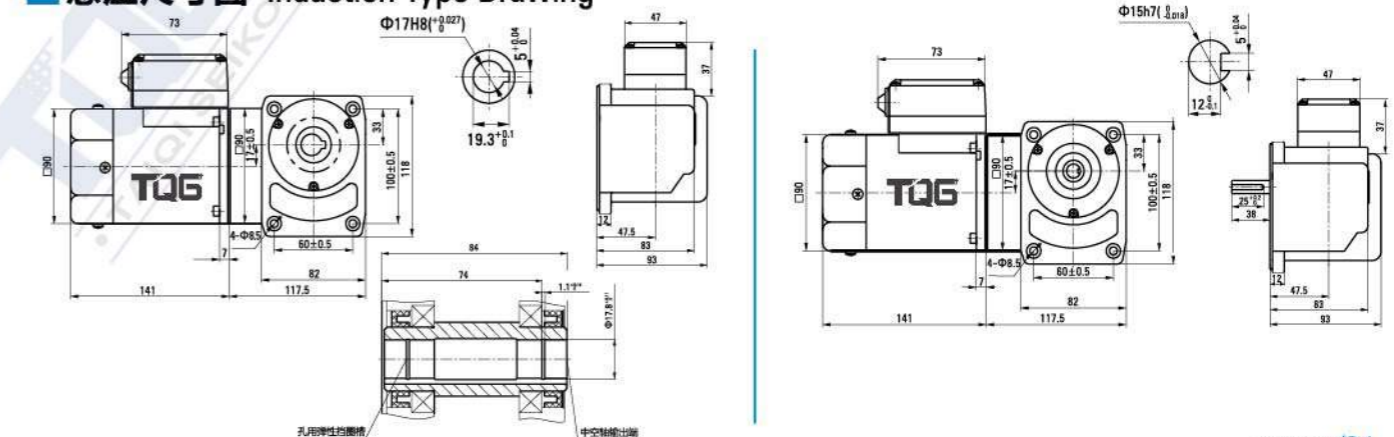
## 120W 90mm 蜗轮蜗杆直角 WORM GEAR RIGHT ANGLE



### 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

机型Type	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速器 Motor/Gearhead	转速Speed r/min	50Hz 500	417	300	250	200	166	120	100	83	60	50	42	30	25	20	16	15	12	10	8
	60Hz	600	500	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10
5IK120GU-AF□	容许力矩 Allowance	1.24	1.49	1.86	2.23	2.78	3.34	4.64	5.57	6.68	9.28	11.1	13.4	18.6	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5IK120GU-EF□	50Hz	12.6	15.2	18.9	22.7	28.4	34.1	47.4	56.8	68.2	94.7	114	136	189	200	200	200	200	200	200	200
5IK120GU-CF□	5GU□RH																				
5IK120GU-HF□	5GU□RA	1.00	1.20	1.50	1.80	2.25	2.69	3.74	4.49	5.39	7.49	8.98	10.8	15.0	18.0	20.0	20.0	20.0	20.0	20.0	20.0
5IK120GU-SF□	60Hz	10.18	12.2	15.3	18.3	22.9	27.5	38.2	45.8	55.0	76.4	91.7	110	153	183	200	200	200	200	200	200

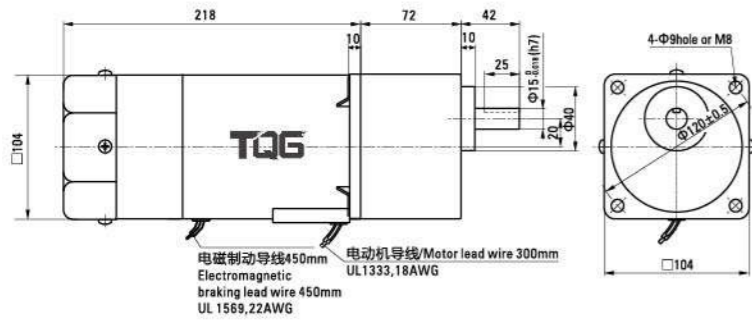
## 感应尺寸图 Induction Type Drawing





## 刹车尺寸图 Brake Type Drawing

重量 Weight : 电动机 Motor : 5.65kg 减速器 Gearhead : 2.1kg

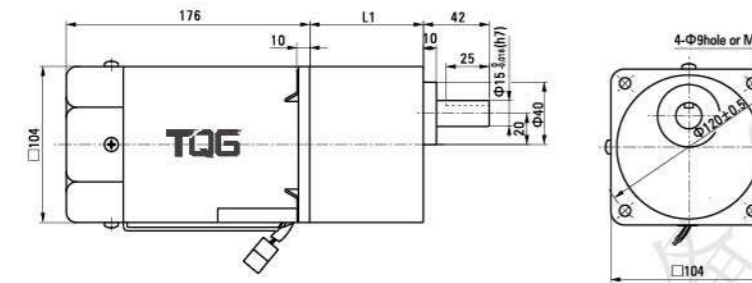


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
6RK120GU-AFM 6RK120GU-EFM 6RK120GU-CFM 6RK120GU-HFM 6RK120GU-SFM	6GU□K	3~200	72

• 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 调速尺寸图 Speed Control Type Drawing

重量 Weight : 电动机 Motor : 4.9kg 减速器 Gearhead : 2.1kg



电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
6IK120RGU-AF 6IK120RGU-EF 6IK120RGU-CF 6IK120RGU-HF	6GU□K	3~200	72

• 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## 120W 弧锥直角 SPIRAL BEVEL RIGHT ANGLE

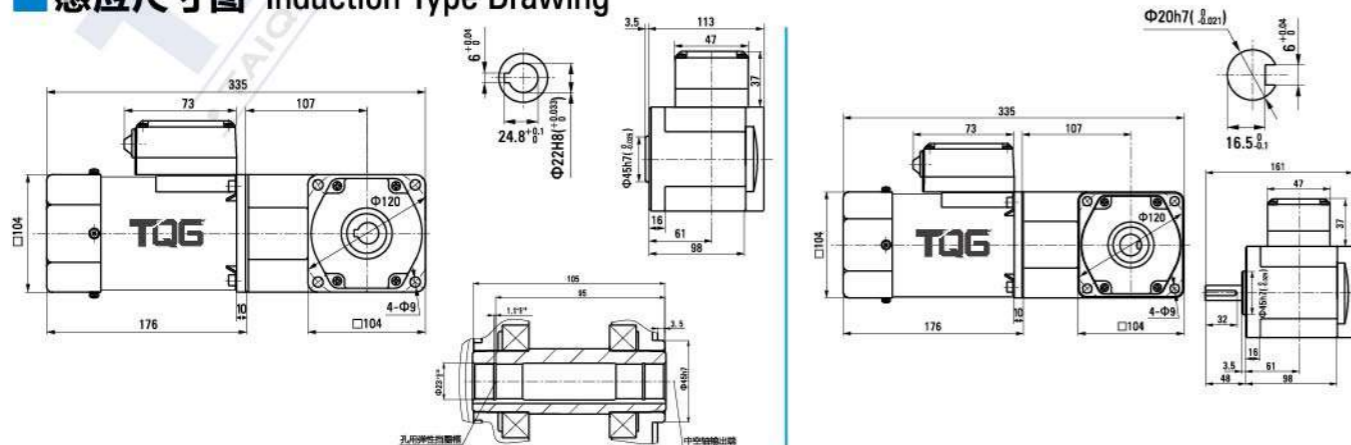
□104mm



## 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

机型Type	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速器 Motor/Gearhead	转速Speed r/min	50Hz 500	417	300	250	200	166	120	100	83	60	50	42	30	25	20	16	15	12	10	8
		60Hz 600	500	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10
6IK120GU-AF□ 6IK120GU-EF□ 6IK120GU-CF□ 6IK120GU-HF□ 6IK120GU-SF□	容许力矩 Allowance Torque	50Hz 1.70 17.4	2.05 20.9	2.84 29.0	3.41 34.8	4.26 43.5	5.68 58.0	7.89 80.5	9.47 96.6	11.4 116	15.8 161	18.9 193	22.7 232	28.4 290	34.1 348	42.6 435	51.1 522	56.8 580	60.0 600	60.0 600	60.0 600
		60Hz 1.37 14.0	1.65 16.8	2.29 23.4	2.75 28.0	3.44 35.1	4.58 46.7	6.36 64.9	7.64 77.9	9.16 93.5	12.7 130	15.3 156	18.3 187	22.9 234	27.5 280	34.4 351	41.2 421	45.8 467	55.0 561	60.0 600	60.0 600

## 感应尺寸图 Induction Type Drawing



## 140W

□104mm



## 规格 Specs 连续额定 Continuous Rating

感应电动机 Induction Motor	型号Model · 类型 Type		输出功率 Output 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	电容器容量 Capacitor μF
	上段:齿轴轴 Upper:Pinion Shaft	下段:圆轴 Below:Round Shaft								
	导线型 Lead Wire Type	端子箱型 Terminal Box Type								
6IK140GU-AF (6IK140A-AF)	6IK140GU-AFT (6IK140A-AFT)	140	1ph 100	50	2.7	700	1080	1250	35.0	
										60
6IK140GU-EF (6IK140A-EF)	6IK140GU-EFT (6IK140A-EFT)	140	1ph 110	60	1.80	700	850	1600	25.0	
										1ph 120
6IK140GU-CF (6IK140A-CF)	6IK140GU-CFT (6IK140A-CFT)	140	1ph 220	50	1.05	850	1040	1350	10.0	
										1ph 230
6IK140GU-HF (6IK140A-HF)	6IK140GU-HFT (6IK140A-HFT)	140	1ph 220	60	1.05	750	850	1600	-	
										1ph 230
6IK140GU-SF (6IK140A-SF)	6IK140GU-SFT (6IK140A-SFT)	140	3ph 220	50	0.85	2700	1080	1250	-	
										60

刹车电动机 Brake Motors	型号Model · 类型 Type		额定 Rating	输出功率 Output 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	电容器容量 Capacitor μF
	齿轴轴型 Pinion Shaft	圆轴型 Round Shaft									
	导线型 Lead Wire Type	圆轴型 Round Shaft									
6RK140GU-AFM 6RK140GU-EFM	6RK140A-AFM 6RK140A-EFM	30min	140	1ph 100	50	2.7	700	1080	1250	35	
											60
6RK140GU-CFM 6RK140GU-HFM	6RK140A-CFM 6RK140A-HFM	30min	140	1ph 110	60	1.80	700	850	1550	25	
											1ph 120
6RK140GU-SM	6RK140A-SM	30min	140	1ph 220	50	1.05	850	1040	1250	10	
											1ph 230
				1ph 220	60	1.05	750	850	1550		
				1ph 230	60	1.15	2700	1080	1250		
				3ph 220	50	0.85	2700	1080	1250		
				60	0.75	2200	870	1550			

调速电动机 Speed Control Motors	型号Model · 类型 Type		最大 输出功率 Output power W	电压 Voltage V	频率 Frequency Hz	调速范围 Speed Control Range r/min	容许转矩 Allowance Torque		启动转矩 Starting Torque mN.m	电流 Current A	电容器容量 Capacitor μF
	齿轴轴型 Pinion Shaft	圆轴型 Round Shaft					1200r/min mN.m	90r/min mN.m			
	导线型 Lead Wire Type	圆轴型 Round Shaft									
6IK140RGU-AF 6IK140RGU-EF	6IK140RA-AF 6IK140RA-EF	140	1ph 100	50	90~1350	830	420	620	2.70	3.00	35
6IK140RGU-CF 6IK140RGU-HF	6IK140RA-CF 6IK140RA-HF	140	1ph 220	50	90~1350	830	420	620	1.05	1.15	10

容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

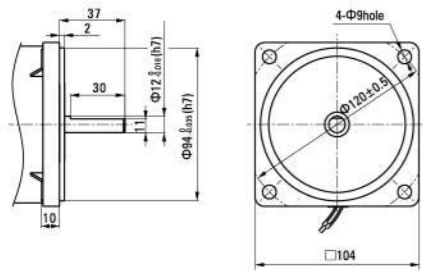
类型 Type 电动机/减速器 Motor/Gearhead	减速比 Gear Ratio	容许力矩单位 Allowance Torque Unit																				
		3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200
6IK140RGU-AF 6IK140RGU-EF 6IK140RGU-CF 6IK140RGU-HF	50Hz	500	417	300	250	200	166	120	100	83	60	50	41	30	25	20	16	15	12.5	10	8.3	7.5
	60Hz	600	500	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10	9
6GU□K	50Hz	2.6	3.1	4.4	5.2	5.2	6.6	9.9	11.8	14.2	17.8	21.4	25.7	35.6	40	40	40	40	40	40	40	40
	60Hz	2.1	2.5	3.5	4.2	4.2	6.3	7.9	9.5	11.4	14.4	17.2	20.7	28.7	34.5	40	40	40	40	40	40	40

外形图 ( 单位 mm ) Dimensions(Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

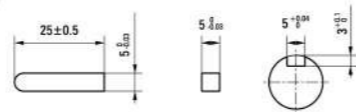
圆轴型的转轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



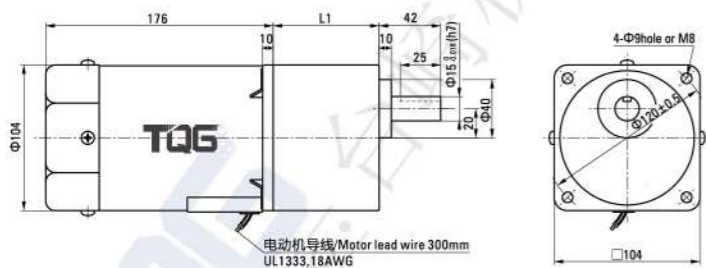
键·键槽 ( 减速器附件 )

Key · Keyway (Accessory Of Gearhead)



感应尺寸图 Induction Type Drawing

重量 Weight : 电动机 Motor : 5.0kg 减速器 Gearhead : 2.1kg

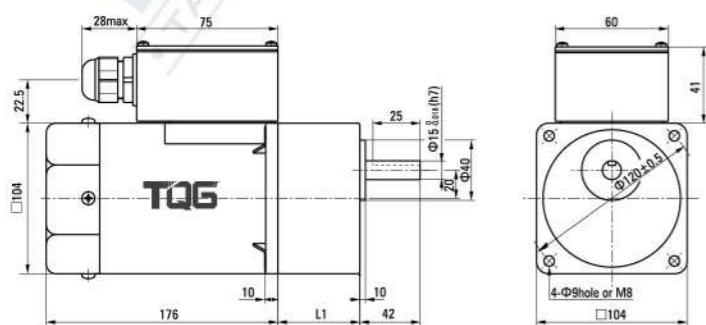


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
6IK140GU-AF 6IK140GU-EF 6IK140GU-CF 6IK140GU-HF	6GU□K	3~200	72

●减速器型号的□中为减速比的数值  
Enter the gear ratio in the box ( □ ) within the model name

带端子箱型 Terminal Box Type ②

重量 Weight : 电动机 Motor : 5.15kg 减速器 Gearhead : 2.1kg

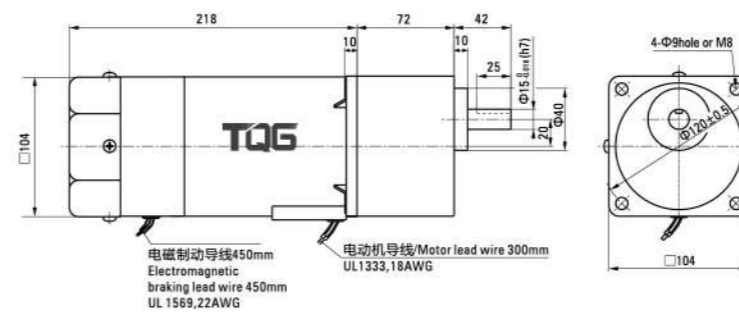


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
6IK140GU-AFT 6IK140GU-EFT 6IK140GU-CFT 6IK140GU-HFT	6GU□K	3~200	72

●减速器型号的□中为减速比的数值  
Enter the gear ratio in the box ( □ ) within the model name

刹车尺寸图 Brake Type Drawing

重量 Weight : 电动机 Motor : 5.85kg 减速器 Gearhead : 2.1kg

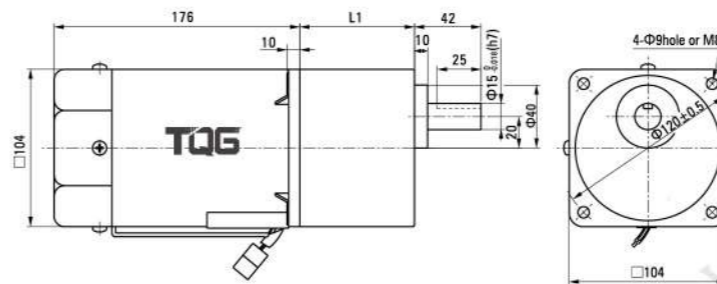


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
6RK140GU-AFM 6RK140GU-EFM 6RK140GU-CFM 6RK140GU-HFM 6RK140GU-SFM	6GU□K	3~200	72

●减速器型号的□中为减速比的数值  
Enter the gear ratio in the box ( □ ) within the model name

调速尺寸图 Speed Control Type Drawing

重量 Weight : 电动机 Motor : 5.1kg 减速器 Gearhead : 2.1kg



电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
6IK140RGU-AF 6IK140RGU-EF 6IK140RGU-CF 6IK140RGU-HF	6GU□K	3~200	72

●减速器型号的□中为减速比的数值  
Enter the gear ratio in the box ( □ ) within the model name

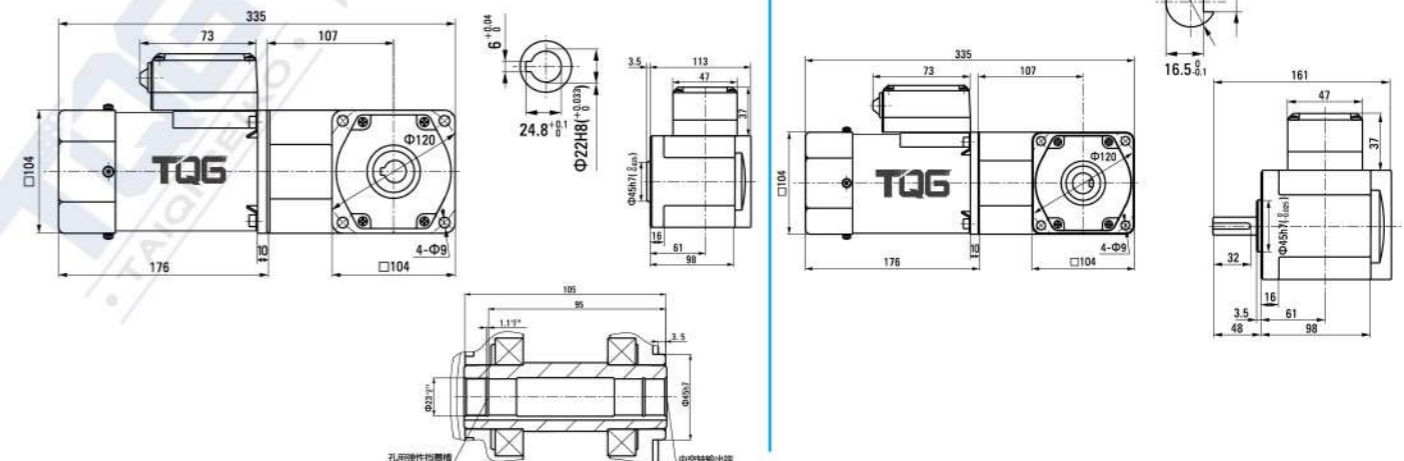
140W 弧锥直角  
104mm SPIRAL BEVEL RIGHT ANGLE



容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

机型 Type	减速比 Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	3.6	60/50	75	90	100	120	150	180
电动机/减速器 Motor/Gearhead	转速 Speed r/min	500	417	300	250	200	166	120	100	83	60	50	417	250	20	16	15	12	10	8
6IK140GU-AF□ 6IK140GU-EF□ 6IK140GU-CF□ 6IK140GU-HF□ 6IK140GU-SF□	50Hz	容许力矩 Allowance Torque	1.99	2.39	3.31	3.98	4.97	6.63	9.21	11.0	13.3	18.4	22.1	26.5	33.8	49.7	59.6	60.0	60.0	60.0
		容许力矩 Allowance Torque	20.3	24.3	33.8	40.6	50.7	67.6	93.9	113	135	188	225	271	403.8	507	600	600	600	600
	60Hz	容许力矩 Allowance Torque	1.60	1.92	2.67	3.21	4.01	5.34	7.42	8.91	10.7	14.8	17.8	21.4	32.6	74.0	48.1	53.4	60.0	60.0
		容许力矩 Allowance Torque	16.4	19.6	27.3	32.7	40.9	54.5	75.8	90.9	109	152	182	218	327.3	409	491	545	600	600

感应尺寸图 Induction Type Drawing

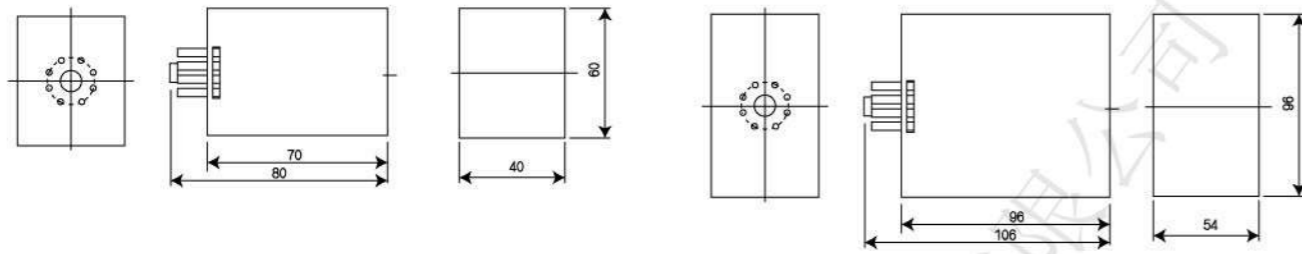








## ■ 分离器 Separation SS11、SS22 正、反转变速 Clockwise And Anti-Clockwise Speed Change



### 延長綫



使用于調速馬達和調速器之間的延長綫。  
為額外銷售品，買調速器是，附有0.5M的延長綫，如需要加延長時，請額外購買。延長綫的長度和產品名稱，請參照下圖。



產品名稱	L (延長綫長度)
MC-01	1.0m
MC-02	2.0m
MC-03	3.0m

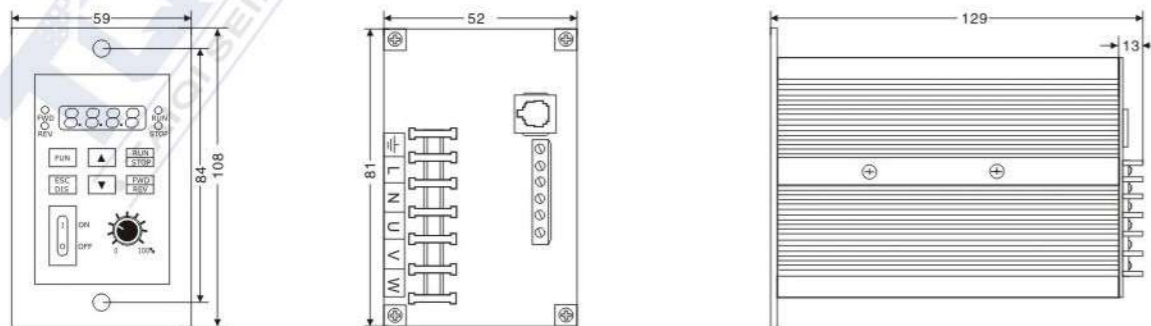
## 三相迷你變頻器

### 產品功能介紹

- 價格低：適用於200W以下的三相馬達，不需要再用400W變頻器的高價格產品來增加設備成本。
- 體積小：節省安裝空間及不必要的工件成本，且裝配簡單容易。
- 功能強：具備與一般大型變頻器相同使用功能。
- 起動速度快：比一般大型變頻器起動速度更快，提高生產效率。
- 低頻率/高扭矩：當電機處於1至10Hz低頻率工作時，依然能夠保持50Hz工作時的力矩，充分達到低頻率高力矩的工作效率。
- 免保養：變頻器自帶過溫、過載、模塊保護功能，不需要外接任何的保護及保養設施。



### 產品安裝及尺寸



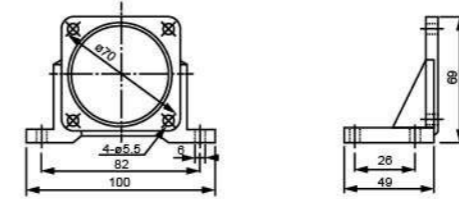
## 選購配件 ACCESSORIES

### ■ 电动机·減速器用安裝底座 Motor / Gearhead Mounin Brackets

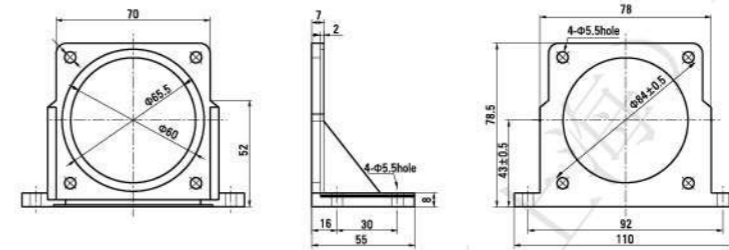
便于安装固定电动机、減速器的专用安装底座。为可对应大功率电动机、減速器的高强度型产品。安装底座上钻有螺孔，请用減速器附属的螺丝来组合电动机与減速器。安装电动机单体时，请另用安装用螺丝。Mounting Brackets for attaching and securing a motor and gearhead. They are high-strength type, Which can be used with high power motors /gearheads. These brackets come with tapped holes. To mount the motor and gearhead, simply fasten with screws provided to the gearhead. To mount the motor alone, mounting screws must be provided separately.



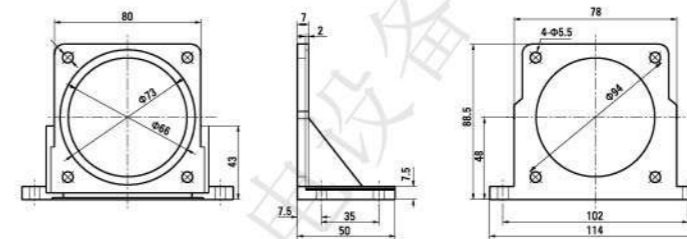
### ■ 安裝尺寸60mm用 Motor Frame Size:60mm



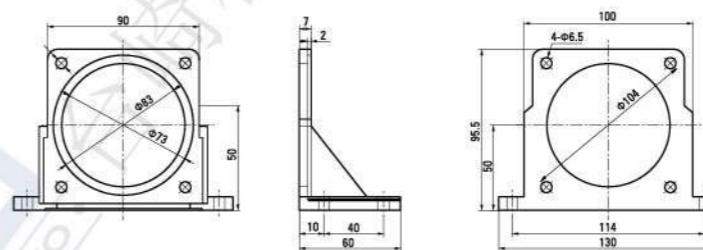
### ■ 安裝尺寸70mm用 Motor Frame Size:70mm



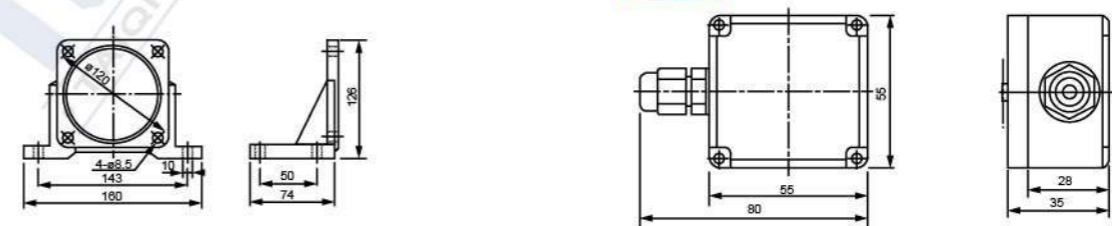
### ■ 安裝尺寸80mm用 Motor Frame Size:80mm



### ■ 安裝尺寸90mm用 Motor Frame Size:90mm



### ■ 安裝尺寸104 mm用 Motor Frame Size:104 mm



# 感应电动机 2极·高速型 INDUCTION MOTOR 2-POLES·HIGH SPEED



6W~150W □ 60mm·□ 70mm·□ 80mm·□ 90mm

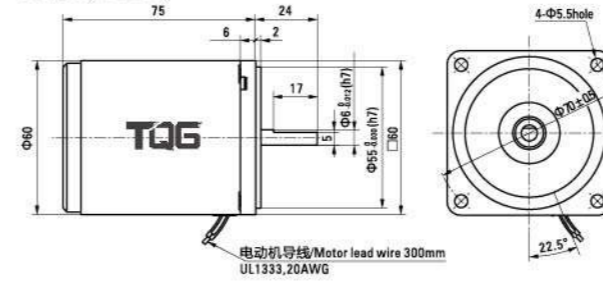
## 规格 Specs 连续额定 Continuous Rating

型号 Model · 类型 Type 圆轴型 Round Shaft Type	输出功率 Output 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	电容器容量 Capacitor μF
2IK6A-B	6	1ph 110	50	0.18	35	22	2650	3
			60	0.20		18	3100	
2IK6A-D	6	1ph 220	50	0.11	35	22	2650	0.8
			60	0.12		18	3100	
3IK15A-B	15	1ph 110	50	0.38	65	54	2650	6
			60	0.40		46	3100	
3IK15A-D	15	1ph 220	50	0.18	65	54	2650	1.5
			60	0.22		46	3100	
4IK25A-B	25	1ph 110	50	0.55	90	90	2650	10
			60	0.65		77	3100	
4IK25A-D	25	1ph 220	50	0.25	90	90	2650	2
			60	0.30		77	3100	
4IK25A-T	25	1ph 220	50	0.20	220	88	2700	-
			60	0.15		185	3200	
4IK40A-BF	40	1ph 110	50	0.80	120	147	2600	12
			60	0.85		123	3100	
4IK40A-DF	40	1ph 220	50	0.40	120	147	2600	3
			60	0.45		123	3100	
4IK40A-TF	40	1ph 220	50	0.27	350	147	2600	-
			60	0.22		300	3100	
5IK40A-B	40	1ph 110	50	0.75	140	147	2600	10
			60	0.90		123	3100	
5IK40A-D	40	1ph 220	50	0.38	140	144	2650	3
			60	0.40		120	3200	
5IK40A-T	40	1ph 220	50	0.26	350	147	2600	-
			60	0.21		300	3100	
5IK60A-BF	60	1ph 110	50	1.05	170	215	2650	15
			60	1.0		180	3200	
5IK60A-DF	60	1ph 220	50	0.52	180	215	2650	4
			60	0.55		180	3200	
5IK60A-TF	60	1ph 220	50	0.35	500	215	2650	-
			60	0.30		420	3200	
5IK90A-BF	90	1ph 110	50	1.50	250	325	2650	25
			60	1.80		270	3200	
5IK90A-DF	90	1ph 220	50	0.72	250	325	2650	6
			60	0.90		270	3200	
5IK90A-TF 5IK90A-TFT	90	3ph 220	50	0.50	800	325	2650	-
			60	0.42		670	3200	
5IK120A-BF	120	1ph 110	50	1.85	330	450	2650	30
			60	2.25		360	3200	
5IK120A-DF	120	1ph 220	50	0.95	330	450	2650	8
			60	1.10		360	3200	
5IK120A-TE 5IK120A-TFT	120	3ph 220	50	0.65	1000	430	2650	-
			60	0.50		900	3100	
5IK150A-BF	150	1ph 110	50	2.50	400	540	2650	35
			60	2.85		450	3200	
5IK150A-DF	150	1ph 220	50	1.20	400	540	2650	10
			60	1.52		450	3200	
5IK150A-TF 5IK150A-TFT	150	3ph 220	50	0.85	1250	550	2600	-
			60	0.70		1100	3100	

## 外形图 (单位 mm) Dimensions (Unit mm)

### 6W

电动机 Motor  
2IK6A-B, 2IK6A-D  
重量 Weight: 0.65kg



### 15W

电动机 Motor  
3IK15A-B, 3IK15A-D  
重量 Weight: 0.90kg



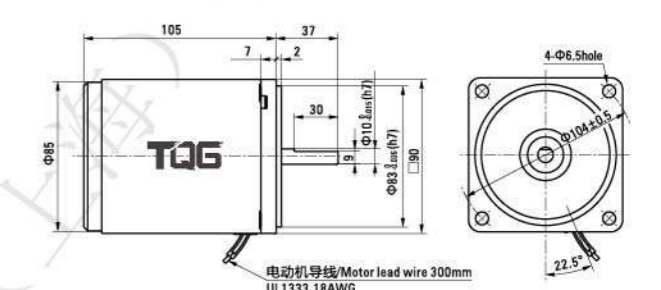
### 25W

电动机 Motor  
4IK25A-B, 4IK25A-D, 4IK25A-T  
重量 Weight: 1.4kg



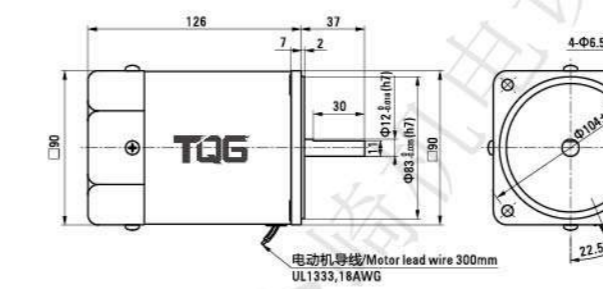
### 40W

电动机 Motor  
5IK40A-B, 5IK40A-D, 5IK40A-T  
重量 Weight: 2.0kg



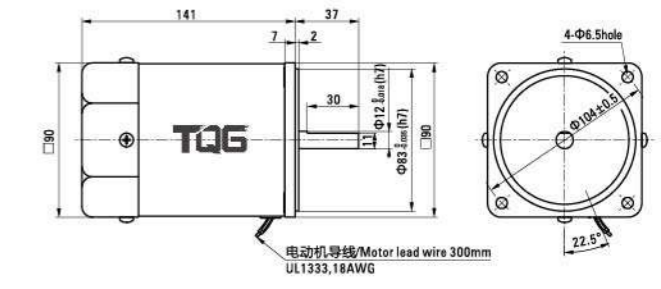
### 60W

电动机 Motor  
5IK60A-BF, 5IK60A-DF, 5IK60A-TF  
重量 Weight: 2.4kg



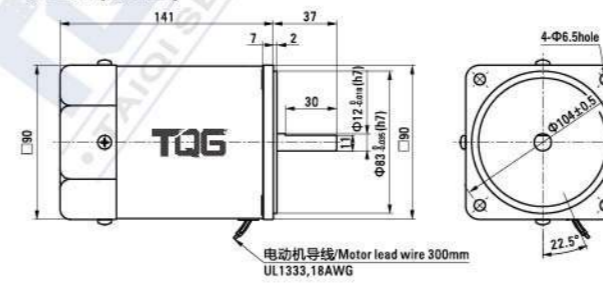
### 90W

电动机 Motor  
5IK90A-BF, 5IK90A-DF, 5IK90A-TF  
重量 Weight: 2.8kg



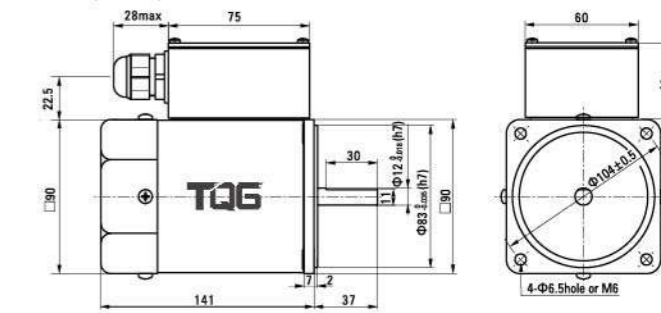
### 120W

电动机 Motor  
5IK120A-BF, 5IK120A-DF, 5IK120A-TF  
5IK150A-BF, 5IK150A-DF, 5IK150A-TF  
重量 Weight: 0.90kg



### 90W, 120W, 150W

电动机 Motor  
5IK90A-TFT, 5IK120A-TFT, 5IK150A-TFT  
重量 Weight: 3.3kg



# 转矩电动机 TORQUE MOTOR

## 特征 Feature

- 具有垂下特征, 可调速范围宽大 The Speed Can Vary Widely, Depending on the Sloping Characteristics

转矩电动机由于启动转矩大, 具有垂下的特征, 因此, 能够通过改变电压进行调速。(电动机的转矩与电压的平方成正比)

Torque motors have a high starting torque and sloping characteristics, allowing easy speed control simply by changing the voltage of the power supply. (The motor torque changes approximately proportion to the square of the voltage.)

- 适用于卷取作业 Suitable For Winding Applications

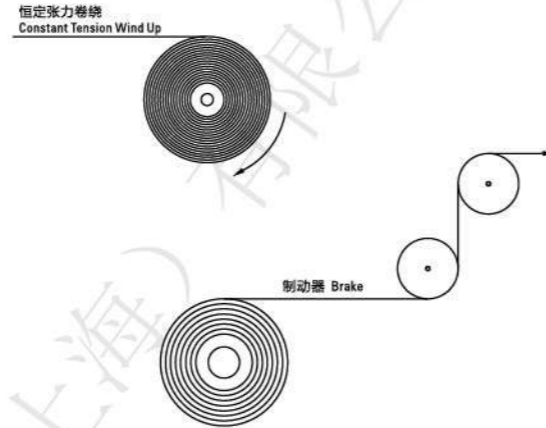
以固定的张力连续卷取定速运转的物体时, 若卷轴直径增大至2倍, 则电动机的输出转矩亦增大至2倍, 而电动机转速则减半。作业时须保持这一比例关系。

In an application where an object is released continuously at a constant speed and wound up with constant tension, the torque must be doubled and the speed must be halved if the diameter of the winding spool is doubled.

- 可作为制动使用 Use As A Brake

电动机在转速-转矩特性的制动领域, 可作为制动来使用。此外, 也可以通过直流励磁进行固定张力控制。

By using the motor in the braking region of the speed-torque characteristics, it can serve as a brake. Constant tension operation can be achieved by applying a DC voltage.



## 规格 Specifications

- 3W、6W、10W、20W

型号 Model · 类型 Type		使用额定 (堵转) Rating at Locked Rotor	电压 Voltage V	频率 Frequency Hz	启动转矩 Starting Torque mN.m	最大输出 功率 Max. Output Power W	最大输出功 率时转速 Speed at Max. Output Power r/min	最大输出功 率时转矩 Torque at Max. Output Power mN.m	电容器容量 Capacitor μF
齿轮轴型 Pinion Shaft	圆轴型 Round Shaft								
2TK3GN-A	2TK3A-A	5MIN	110	50	69	3.2	750	41	7.0/250
		连续CONT	60		25	1.3			
2TK3GN-C	2TK3A-C	5MIN	110	60	69	3.2	900	37	6.0/250
		连续CONT	60		25	1.3			
3TK6GN-A	3TK6A-A	5MIN	110	50	134	6.0	750	80	8.0/250
		连续CONT	60		68	2.5		36	
3TK6GN-C	3TK6A-C	5MIN	110	60	134	6.5	900	74	7.0/250
		连续CONT	60		68	2.8		30	
3TK6GN-A	3TK6A-A	5MIN	220	50	134	6.0	750	80	2.0/450
		连续CONT	140		68	2.5		36	
3TK6GN-C	3TK6A-C	5MIN	220	60	134	6.5	900	74	1.5/450
		连续CONT	140		68	2.8		30	
4TK10GN-A	4TK10A-A	5MIN	110	50	235	10	750	127	10.0/250
		连续CONT	60		74	3.0		46	
4TK10GN-C	4TK10A-C	5MIN	110	60	25	10	900	127	8.0/250
		连续CONT	60		69	3.0		38	
4TK10GN-A	4TK10A-A	5MIN	220	50	265	10	750	127	2.5/450
		连续CONT	140		98	3.0		46	
4TK10GN-C	4TK10A-C	5MIN	220	60	225	10	900	127	2.0/450
		连续CONT	140		90	3.0		38	
5TK20GN-A	5TK20A-A	5MIN	110	50	363	20	750	224	15.0/250
		连续CONT	60		137	6.0		76	
5TK20GN-C	5TK20A-C	5MIN	110	60	294	26	900	216	12.0/250
		连续CONT	60		108	6.0		64	
5TK20GN-A	5TK20A-A	5MIN	220	50	363	20	750	224	3.5/450
		连续CONT	140		137	6.0		76	
5TK20GN-C	5TK20A-C	5MIN	220	60	294	26	900	216	3.0/450
		连续CONT	140		108	6.0		64	

- 各种安全规格以电动机铭牌上的型号取得认证。

When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.

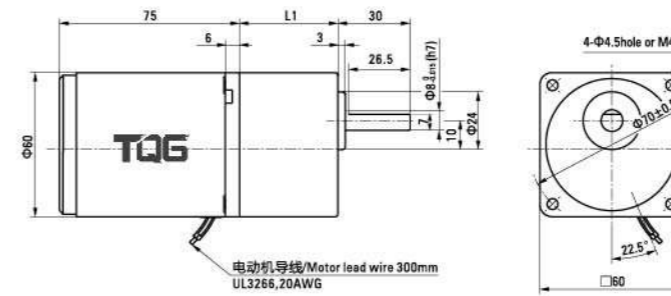
## 外形图 (单位 mm) Dimensions (Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

- 3W

- 电动机/减速器 Motor/Gearhead

重量 Weight: 电动机 Motor: 0.75kg 减速器 Gearhead: 0.4kg

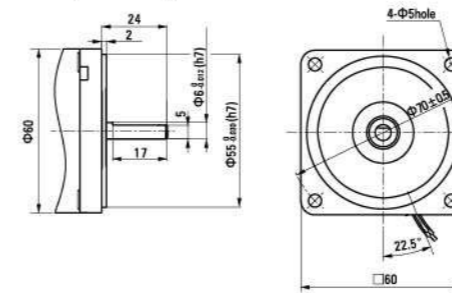


- 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

- 2TK3A-A 2TK3A-C

除重量及轴部外电动机外形与齿轮轴型相同。

Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



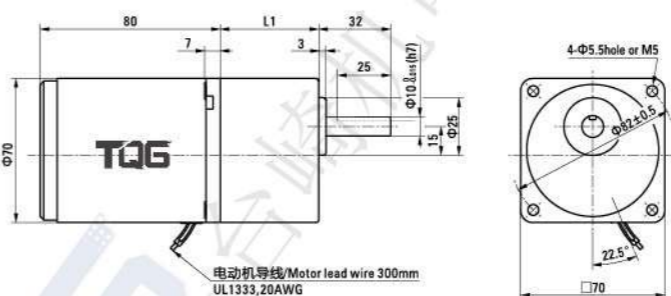
## 外形图 (单位 mm) Dimensions (Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

- 6W

- 电动机/减速器 Motor/Gearhead

重量 Weight: 电动机 Motor: 1.1kg 减速器 Gearhead: 0.5kg

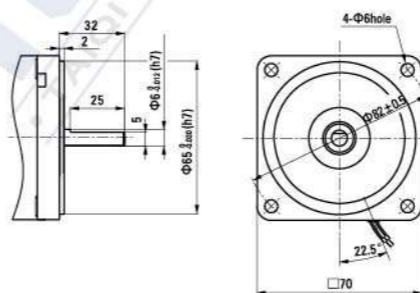


- 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

- 3TK6A-A 3TK6A-C

除重量及轴部外电动机外形与齿轮轴型相同。

Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



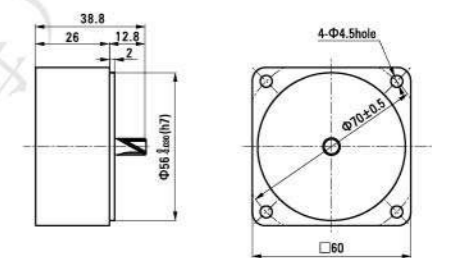
电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
2TK3GN-A 2TK3GN-C	2GN□K	3~18	32
		25~200	41.5

- 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

- 中间减速器 Decimal Gearhead

可安装2TK3GN型 Can be connected to 2TK3GN type  
2GN10XK

重量 Weight: 0.24kg

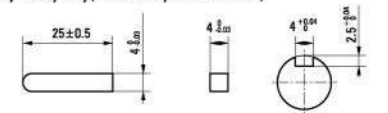


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
3TK6GN-A 3TK6GN-C	3GN□K	3~18	32
		25~200	42

- 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

- 键·键槽 (减速器附件)

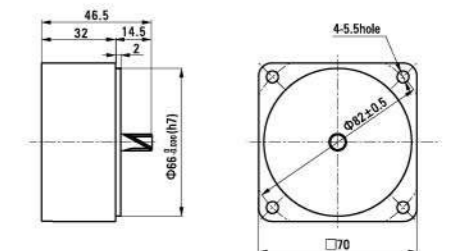
Key · keyway (Accessory of Gearhead)



- 中间减速器 Decimal Gearhead

可安装3TK6GN型 Can be connected to 3TK6GN type  
3GN10XK

重量 Weight: 0.31kg



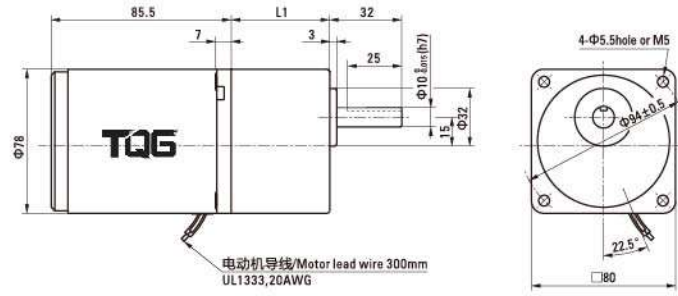
## 外形图 (单位 mm) Dimensions(Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

### 10W

#### 电动机/减速器 Motor/Gearhead

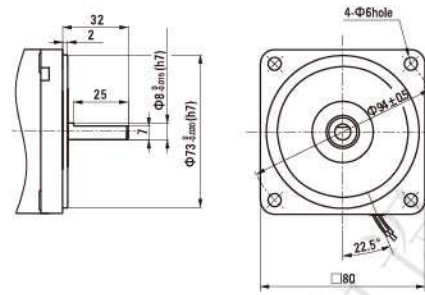
重量 Weight : 电动机 Motor : 1.6kg 减速器 Gearhead : 0.8kg



#### 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

4TK10A-A 4TK10A-C

除重量及轴部外电动机外形与齿轮轴型相同。 Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



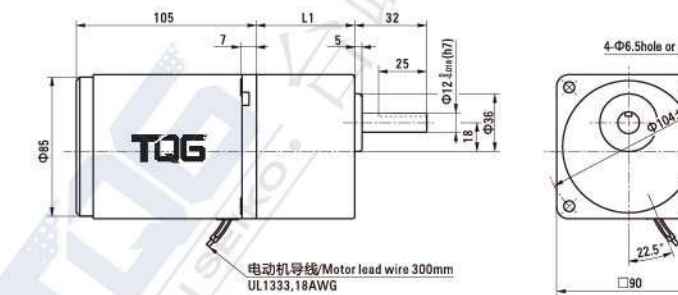
## 外形图 (单位 mm) Dimensions(Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

### 20W

#### 电动机/减速器 Motor/Gearhead

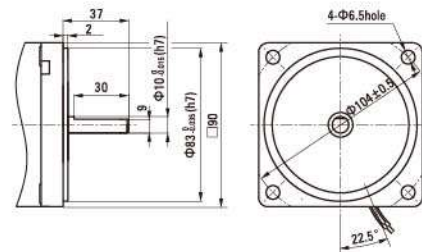
重量 Weight : 电动机 Motor : 2.4kg 减速器 Gearhead : 1.35kg



#### 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

5TK20A-A 5TK20A-C

除重量及轴部外电动机外形与齿轮轴型相同。 Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.

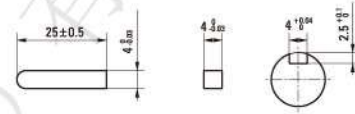


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
4TK10GN-A 4TK10GN-C	4GN□K	3~18 25~200	32 43.5

• 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

#### 键·键槽 (减速器附件)

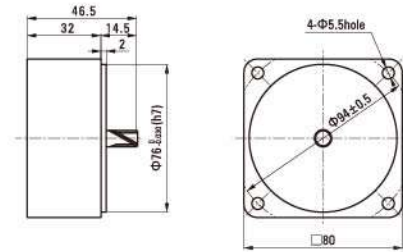
Key · keyway (Accessory of Gearhead)



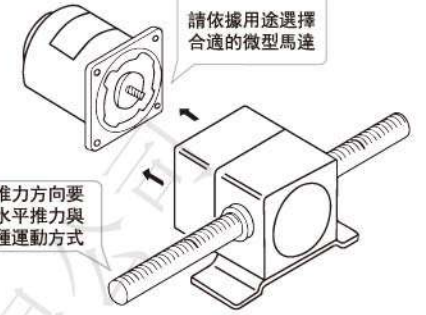
#### 中间减速器 Decimal Gearhead

可安装4TK10GN型 Can be connected to 4TK10GN type  
4GN10XK

重量 Weight : 0.41kg



## 直线减速电机6W-180W LINEAR TYPE REDUCER



## 型号说明 Model Description

5 L 45 -4  
① ② ③ ④

①	外形尺寸 Frame Size : 2:60×60mm 4:80×80mm 5:90×90mm 6:104×104mm
②	齿条移动方向 Movement direction: L:齿条方向与安装面水平移动 The movement direction of the gear rack tends to parallel to the mounting surface F:齿条方向与安装面垂直移动 The movement direction of the gear rack and mounting surface is vertical
③	齿条移动速度 Movement speed : 40 : 40mm/s X : X mm/s
④	齿条有效行程 Gear rack stroke : 4 : 400mm 1:100mm 2:200mm 3:300mm 5:500mm 6:600mm 7:700mm

## 特点及应用 Features and Application

该种类型的直线减速器能与多种类的电机组组合使用,实现直线运动。同时,行程移动速度和行程也有多种规格,可轻松实现需要的推、拉、升、降等用途。 Linear reducer can be used in combination with more kinds of motors to achieve linear motion. At the same time, movement speed and stroke also has more kinds of specification, can be easily achieve pushing, pulling, up and down function.

实现直线机构 Achieve linear motion mechanism

直线减速机配合合适的电机,可轻松实现在水平方向或垂直方向的直线移动。

Linear reducer matching the suitable motor, can be easily achieve in horizontal or vertical linear motion

有效使用空间 The effective use of space

直线减速机固定齿条两端的螺孔后,可实现机体部分的移动。特别使用于在安装空间有限或有特殊需求的装置中,节约使用空间。

After fixing the screw holes, can achieve the part of organism movement. It is especially suitable for limited installation space or special demand device

## 规格表 Specifications

型号	配合马达功率 w	基本速度 mm/sec					最大推力 kg	推杆行程 mm						直吊荷重 kg	
		10	20	30	40	50		100	200	300	400	500	600		
2LG	6	●	●	●	●	●	20	●	●	●	●	●	●	●	3
4LG	25	●	●	●	●	●	70	●	●	●	●	●	●	●	5
5LG	60~120	●	●	●	●	●	100	●	●	●	●	●	●	●	8

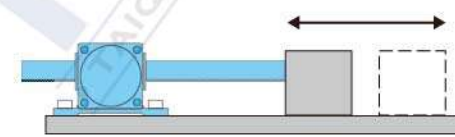
## 特征

### 轻松实现直线机构

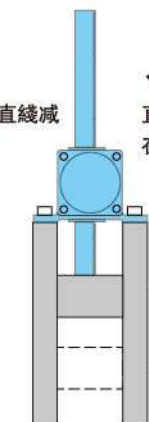
使用滚珠螺杆、皮带机构设计直线机构的作业十分繁琐。使用直线减速机,可轻易在水平方向或垂直方向实现直线机构。

### 有效活用空间

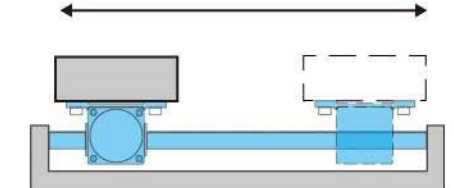
直线减速机在固定齿条两端的螺孔后,机体部分即可实现自动位移。在可供电动机安装空间有限的装置中,做到了节省空间化。



水平方向



垂直方向



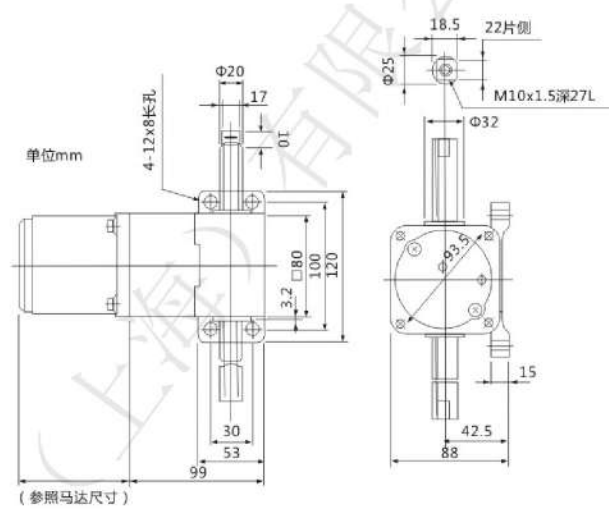
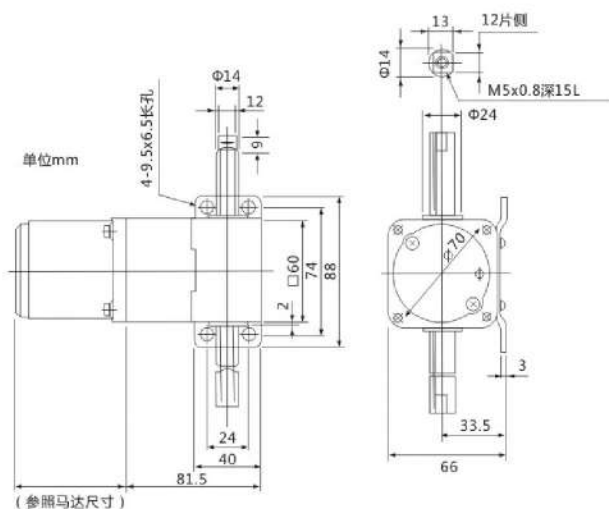
## 外形尺寸 Overall Dimensions

水平直线齿轮箱  
Linear type gear head-Horizontoal



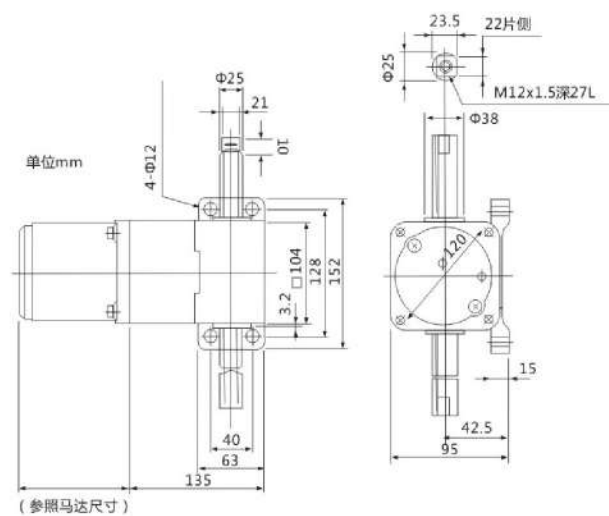
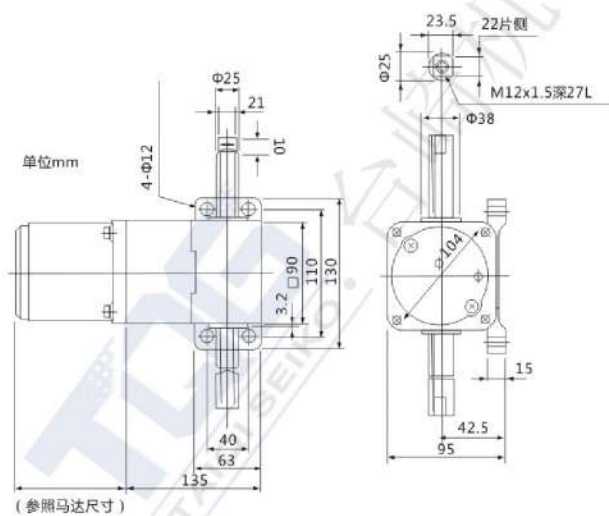
2L-6W

4L-25W



5L-40W-180W

6L-180W-300W



## 直线齿轮箱参数 Parameter of the Linear type gear head

型号 Type	电机机座号 Frame size	速度 Speed(mm/s)	最大推力 ( kg )	有效行程 effective travel(mm)	功率 Power(W)
2L	50	10-150	20	100-1000	6
4L	80	10-150	70	100-1000	25
5L	90	10-150	140	100-2000	40-180
6L	104	10-150	200	100-2000	180-300

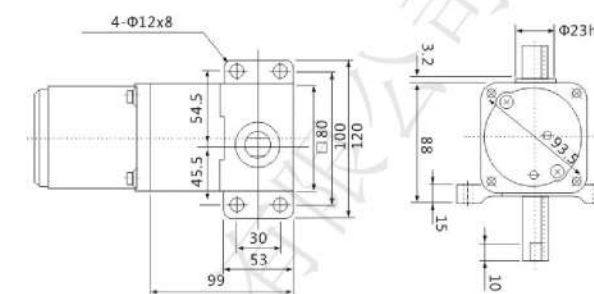
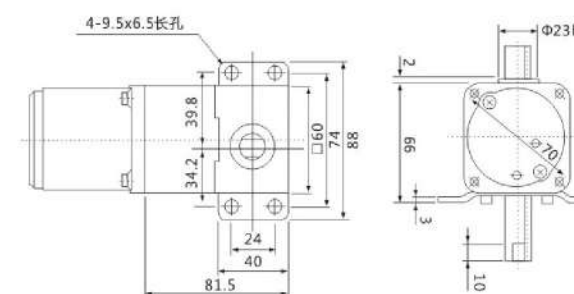
## 外形尺寸 Overall Dimensions

垂直直线齿轮箱  
Linear type gear head-Vertical



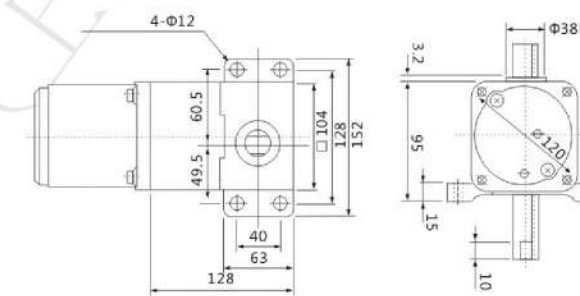
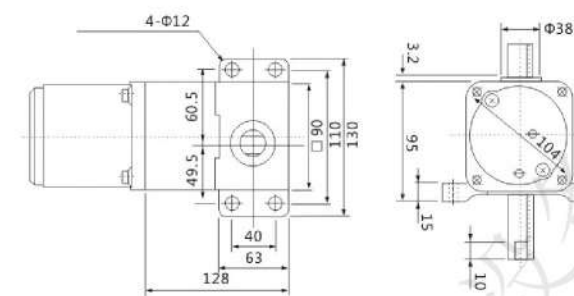
2F-6W

4F-25W



5F-40W-180W

6F-180W-300W



## 直线齿轮箱参数 Parameter of the Linear type gear head

型号 Type	电机机座号 Frame size	速度 Speed(mm/s)	最大推力 ( kg )	有效行程 effective travel(mm)	功率 Power(W)
2F	50	10-150	20	100-1000	6
4F	80	10-150	70	100-1000	25
5F	90	10-150	140	100-2000	40-180
6F	104	10-150	200	100-2000	180-300

# RV蜗轮减速器030/040/050 WORM GEAR SPEED REDUCER SERIES

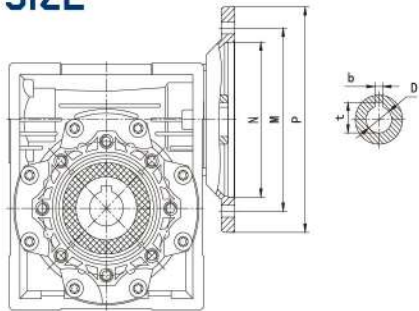


## 蜗轮减速器型号定义 Type meaning of the NMRV

**NMRV 30-40 E F1 AZ B3**  
① ② ③ ④ ⑤ ⑥ ⑦

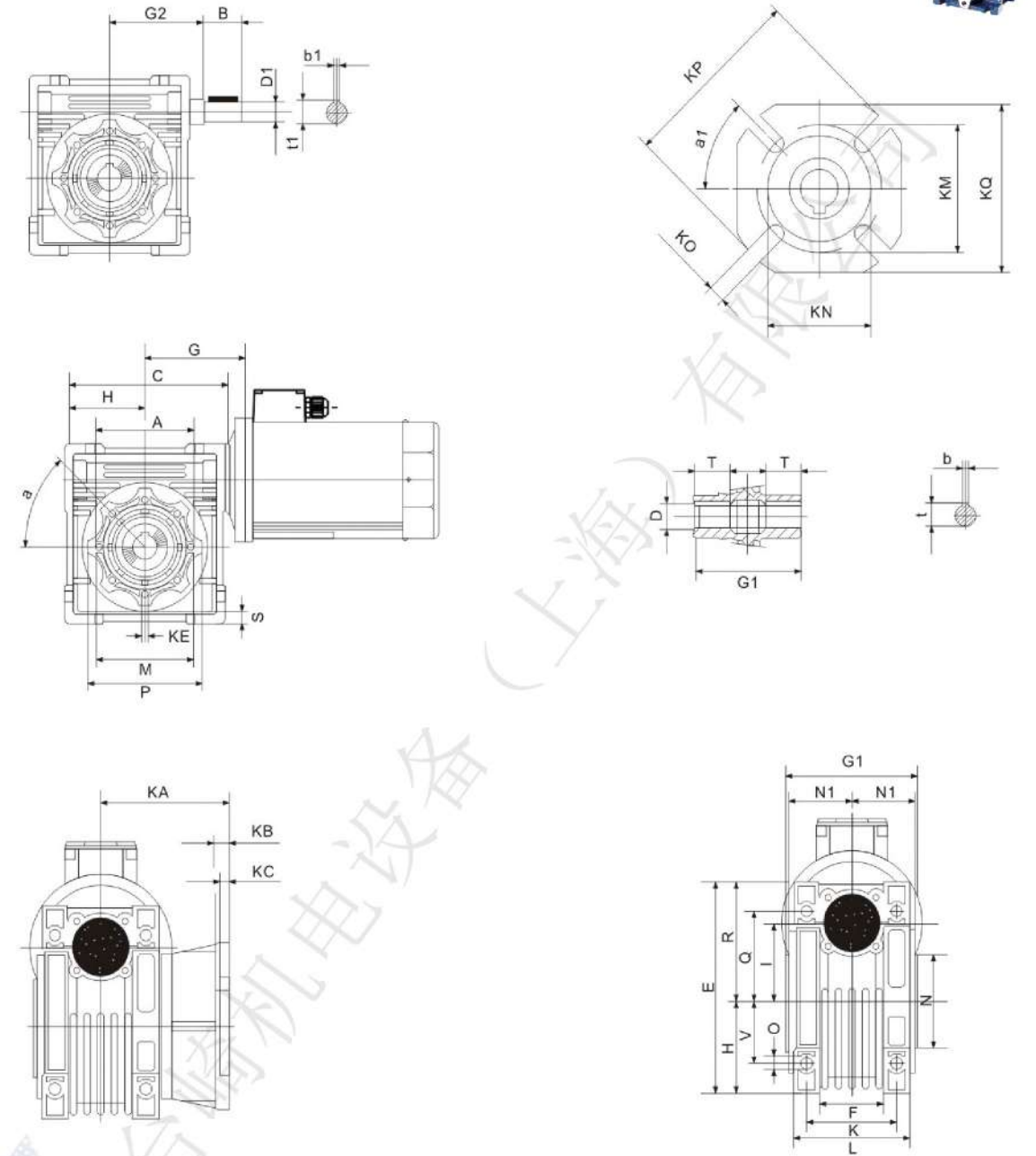
①	蜗轮减速器带代号 Code of worm-gear speed reducer	NMRV 为带输入法兰的孔输入, NRV为不带输入法兰的轴输入 NMRV mark means hole input shaft with input flange. NRV mark means solid input shaft without input flange
②	蜗轮减速器中心距 Centre-to-centre spacing of worm-gear speed reducer	
③	蜗轮减速比 ratio(i)	
④	带蜗杆同向输出轴, 不标时不带蜗杆同向输出轴 with the extended output shaft, no mark means without	
⑤	带输出法兰, 不标注时不带输出法兰 with output Flange, no mark means without	
⑥	带双向输出轴, 标注GZ为带单向输出轴, 不标注时为孔输出 Two-way output shaft GZ mark means one-way output shaft, and no mark means hole output shaft	
⑦	安装方位代号 Installation position code	

## 减速机输入尺寸 / NMRV REDUCER INPUT SIZE



NMRV	IEC接口			键槽		传动比 (i)													
	PAM-IEC	N	M	P	b	t	5	7.5	10	15	20	25	30	40	50	60	80	100	
025	56B14	50	65	80	3	10.4	9	9	9	9	9	9	9	9	9	9	9	9	/
	56B5	80	100	120	3	10.4	9	9	9	9	9	9	9	9	9	9	9	9	/
	63B14	60	75	90	4	12.8	11	11	11	11	11	11	11	11	11	11	11	/	
030	63B5	95	115	140	4	12.8	11	11	11	11	11	11	11	11	11	11	11	11	/
	56B5	80	100	120	3	10.4	/	/	/	/	/	/	/	/	/	9	9	9	9
	63B14	60	75	90	4	12.8	11	11	11	11	11	11	11	11	11	11	11	11	11
	63B5	95	115	140	4	12.8	/	/	/	/	/	/	/	/	/	11	11	11	11
040	71B14	70	85	105	5	16.3	14	14	14	14	14	14	14	14	/	/	/	/	
	71B5	110	130	160	5	16.3	14	14	14	14	14	14	14	14	/	/	/	/	
	63B5	95	115	140	4	12.8	/	/	/	/	/	/	/	/	11	11	11	11	
	63B14	60	75	90	4	12.8	11	11	11	11	11	11	11	11	11	11	11	11	
050	71B5	110	130	160	5	16.3	14	14	14	14	14	14	14	14	14	14	14	14	/
	80B14	80	100	120	6	21.8	19	19	19	19	19	19	19	19	/	/	/	/	
	80B5	130	165	200	6	21.8	19	19	19	19	19	19	19	19	/	/	/	/	
	80B14	80	100	120	6	21.8	19	19	19	19	19	19	19	19	/	/	/	/	

## 外型安装尺寸 Outline & installation size



NMRV	A	B	C	D(H7)	D1(J6)	E	F	G	G1	G2	H	I	L	M	N(h8)	N1	O	P	Q	R
030	54	20	80	14	9	97	32	55	63	51	40	30	56	65	55	29	6.5	75	6.5	57
040	70	23	100	18/19	11	121.5	43	70	78	60	50	40	71	75	60	36.5	6.5	87	6.5	71.5
050	80	30	120	25/24	14	144	49	80	92	74	60	50	85	85	70	43.5	8.5	100	8.5	84

NMRV	S	T	V	K	KA			KB			KC			KE	a	a1	KM			KN(H8)			KO			KP			KQ			b	b1	l	t	t1	kg
					F	FB	FL	F	FB	FL	F	FB	FL				F	FB	FL	F	FB	FL	F	FB	FL	F	FB	FL	F	FB	FL						
030	5.5	21	27	44	54.5	-	-	6	-	-	4	-	M6k11(n.4)	0°	45°	68	-	-	50	-	-	15k4	-	-	80	-	-	70	-	-	5	3	-	16.3	10.2	1.2	
040	6.5	26	35	60	67	76.5	97	7	9	7	4	5	4	M6k11(n.4)	45°	45°	87	115	87	60	95	60	9(0.4)	9(0.4)	9(0.4)	110	140	110	95	-	95	6(6)	4	-	20.8(21.8)	12.5	2.3
050	7	30	40	70	90	87.5	120	9	10	9	5	5	5	M6k11(n.4)	45°	45°	90	130	90	70	110	70	11(0.4)	11(0.4)	11(0.4)	125	160	125	110	-	110	8(8)	5	M6	28.3(27.3)	16.0	3.5

## 电动机型号说明 Description Of Motor Model

Z 5(5) D(W) 60 - 24 GU - 30S  
 ① ② ③ ④ ⑤ ⑥ ⑦

①	名称 Type	Z:直流电动机 (Z:DC MOTOR)					
型号尺寸 (Model Dimension)							
②	机座号 Code	2	3	4	5	55	6
	电机安装法兰 Mounting Flange mm	60×60	70×70	80×80	90×90	90×90	104×104
	机壳直径 Case Diameter mm	60	60	80	80	90	90
③	电机种类 Motor Type	D:直流电动机 (D:DC MOTOR) DW:针对60、70系列电机D后加W表示外置电刷电机 For60、70 series motor,DW means external brush motor					
④	输出功率 Output Power	(例)60:60W					
⑤	电源电压 Voltage	(例)24:24V					
⑥	电机轴形状 Shape of Motor Shaft	GN:普通型斜齿 GN:General Helical Gear GU:加强型斜齿 GU:Reinforced Helical Gear		A1:铣键槽 A1:Milling Keyway A:铣扁 A:Flat Type			
⑦	电机转速 Speed	(例)30S:3000RPM					

备注:如果电机需刹车器可在型号最好增加-M符号,如Z5(5)D 60-24 GU-30S-M,刹车器电压与电机额定电压相同;型号中电机可解读为机壳外径90mm、GU型、额定电压24VDC、额定功率60W、额定转速3000RPM、配24VDC刹车器。  
 Note:we use M to symbolise the brake,such as Z5(5)D 60-24 GU-30S-M, the brake voltage is the same as the rated voltage of the motor,Type of motor can be interpreted as a case diameter of 90mm,GU type,rated voltage 24VDC,rated power 60W,rated speed of 3000RPM,with brake-24VDC.

## 减速器型号说明 Description Of Reducer Model

5 GN 50 K  
 ① ② ③ ④

①	型号尺寸 Model Dimension	2: 60mm 3: 70mm 4: 80mm 5: 90mm 6: 104mm
②	齿轮种类 Gear Type	Gn: 普通型斜齿轴 GN:General Helical Gear GU: 加强型斜齿轴 GU:Reinforced Helical Gear
③	减速比 Gear Ratio	例: 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	轴承种类 Bearing Type	K: 滚珠轴承 (对GU型方箱体标注为KB) K: Bearing(Make KB for type GU square case)

备注:非标准分体式的编号为:在电动型号或减速器型号前加“V”(请在订货时写明具体参数要求)  
 Note:The code of the non-standard split type is to add“V”before the model number of the motor or reducer(Please specify the detailed parameter requirement in the purchase order)

## 电动机的一般规格 General Specification Of Motors

项目 Items	规格 Specifications
绝缘电阻 Insulation Resistance	于常温、常湿下的电动机额定运行后,以DC 500V电阻表测量线圈-外壳间时,测量值为20兆欧以上。 In the circumstance of normal ambient temperature and humidity, the resistance can be up to 20MΩ or more when 500V DC megger is applied between the windings and the frame after rated motor operations.
绝缘耐压 Dielectric Withstanding	于常温、常湿下电动机额定运行后,在线圈和机壳间施加一分钟50Hz或60Hz、1.5kV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 at 50/60Hz between the windings and the frame for 1 minute after rated motor operation.
温度上升 Temperature Rise	运转电机后,用温度计法来测量时,电机表面最热点温升数值在80K以下。 The temperature rise should be lower than 80°C measured by resistance method when the motor is working.
绝缘等级 Insulation Class	B级(130°C) Class B(130°C)
使用温度 Using Temperature	-10°C~+40°C(无冰冻) -10°C~+40°C(Nonfreezing)
使用湿度 Using Temperature	85%以下(无结露的场所) ≤85%(Place without dew)

## 6W 直流电动机 DC MOTORS



## 电机性能参数 Motor Performance Parameters

型号 Model	电压 Voltage V	功率 Power W	空载参数 No-load Parameters		负载参数 Load Parameters			电刷寿命 Brush Life H	电机重量 Motor Weight kg
			转速 Speed r/min	电流 Current A	转速 Speed r/min	力矩 Torque mN.m	电流 Current A		
Z2D06-12 □	12	6	3200	0.6 Max.	2950	19	0.8	2000	0.6
Z2DW06-12□	12	6	3200	0.6 Max.	2950	19	0.8	2000	0.6
Z2D06-24 □	24	6	3200	0.3 Max.	2950	19	0.5	2000	0.6
Z2DW06-24□	24	6	3200	0.3 Max.	2950	19	0.5	2000	0.6
Z2D06-90 □	90	6	3000	0.2 Max.	2800	20	0.3	2000	0.6
Z2DW06-90□	90	6	3000	0.2 Max.	2800	20	0.3	2000	0.6

●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.  
 ●D后如加W即Z2DW06-12GN表示外置电刷轴电机,如无W则为标准内置电刷轴电机:外置电刷电机,用户可自行在外部更换电刷:内置电刷电机更换电刷时需将电机拆装后方可更换。  
 We use W after D in the model to express the external brush motor, such as Z2DW06-12GN. If no W, it means the standard internal brush motor. For external brush motor, you can replace the brush directly. For internal ones, we need to disassembly the motor first.

## 容许力矩单位 Allowance Torque Unit: 上段 Upside (N.m) / 下段 Belowside (kgf.cm)

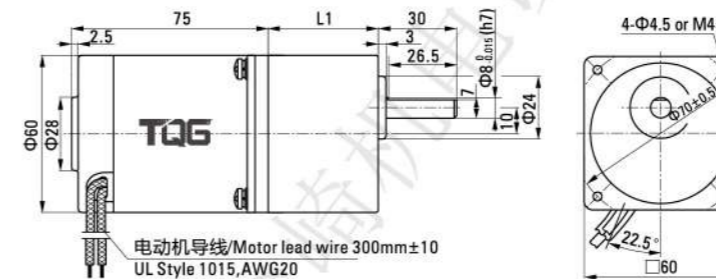
型号 Type	减速比 Gear Ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Z2D06-24GN	转速 Speed r/min	983	819	590	492	393	328	295	236	197	164	148	118	98	82	74	59	49	39	33	30	25	20	16	15
	2GN□K	0.05	0.06	0.08	0.09	0.12	0.14	0.16	0.20	0.24	0.28	0.28	0.35	0.42	0.51	0.57	0.71	0.76	0.96	1.15	1.27	1.53	1.91	2.29	2.55
		0.46	0.56	0.77	0.93	1.16	1.39	1.54	1.93	2.31	2.78	2.78	3.47	4.16	5.00	5.55	6.94	7.49	9.37	11.2	12.5	15.0	18.7	22.5	25.0

## 外形图 (单位 mm) Dimensions(Unit mm)

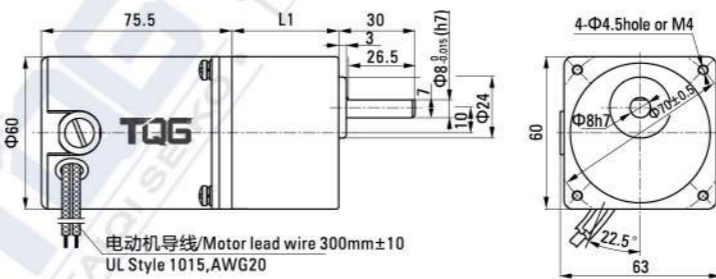
减速器附有安装用螺丝 Mounting screws are included with gearhead.

### ● 导线型 Lead Wiring Type

重量 Weight: 电动机 Motor: 0.6kg 减速器 Gearhead: 0.4kg

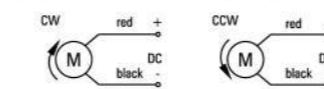


电动机导线/Motor lead wire 300mm±10  
 UL Style 1015,AWG20



电动机导线/Motor lead wire 300mm±10  
 UL Style 1015,AWG20

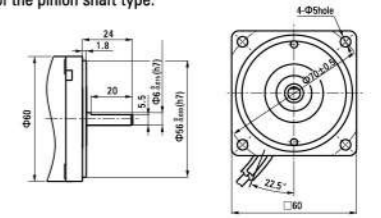
### ● 电机接线图 Wiring Diagram Of Motor



●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要求定制。  
 Stanclard length of lead wire:300mm±10, model: UI1015 type: AWG20; lead wire length, model will be customised by dient requestmant under allowed circumstance of adoptable dimension.

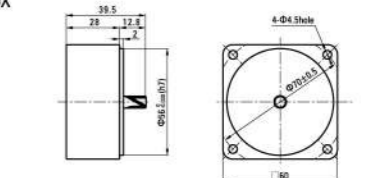
### ● 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外电动机外形与齿轮轴型相同。  
 Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



### ● 中间减速器 Decimal Gearhead

可安装在GN齿轮轴型上 Can be connected to GN pinion shaft type  
 电动机外形与齿轮轴型相同 重量 Weight: 0.24kg  
 2GN10X



电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
Z2D06-12GN Z2DW06-12GN Z2D06-24GN Z2DW06-24GN Z2D06-90GN Z2DW06-90GN	2GN□K	3-18	32
		25-200	41

●减速器型号的□中为减速比的数值  
 Enter the gear ratio in the box (□) within the model name



10W 直流电动机 DC MOTORS 60mm



电机性能参数 Motor Performance Parameters

型号 Model	电压 Voltage V	功率 Power W	空载参数 No-load Parameters		负载参数 Load Parameters			电刷寿命 Brush Life H	电机重量 Motor Weight kg
			转速 Speed r/min	电流 Current A	转速 Speed r/min	力矩 Torque mN.m	电流 Current A		
Z2D10-12 □	12	10	3200	1.0 Max.	2800	34	2.0	2000	0.7
Z2DW10-12 □	12	10	3200	1.0 Max.	2800	34	2.0	2000	0.7
Z2D10-24 □	24	10	3300	0.5 Max.	3000	32	0.9	2000	0.7
Z2DW10-24 □	24	10	3300	0.5 Max.	3000	32	0.9	2000	0.7
Z2D10-90 □	90	10	3200	0.3 Max.	2800	34	0.6	2000	0.7
Z2DW10-90 □	90	10	3200	0.3 Max.	2800	34	0.6	2000	0.7

- 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.
- D后如加W即Z2DW06-12GN表示外置电刷齿轴电机, 如无W则为标准内置电刷齿轴电机: 外置电刷电机, 用户可自行在外部更换电刷: 内置电刷电机更换电刷时需将电机拆装后方可更换。  
We use W after D in the model to express the external brush motor, such as Z2DW06-12GN. If no W, it means the standard internal brush motor. For external brush motor, you can replace the brush directly. For internal ones, we need to disassembly the motor first.

容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

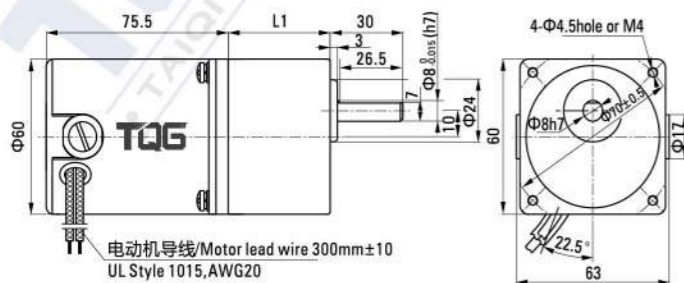
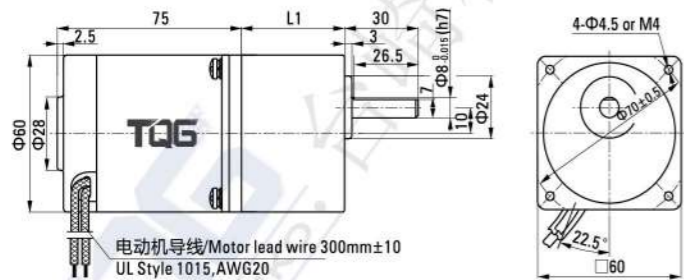
型号 Type	减速比 Gear Ratio	容许力矩单位 Allowance Torque Unit																							
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Z2D10-24GN	转速 Speed r/min	1000	833	600	500	400	333	300	240	200	167	150	120	100	83	75	60	50	40	33	30	25	20	17	15
	2GN □ K	0.08	0.09	0.13	0.15	0.19	0.23	0.26	0.32	0.39	0.46	0.46	0.58	0.70	0.84	0.93	1.16	1.25	1.75	1.88	2.09	2.51	3.00	3.00	3.00
		0.76	0.91	1.26	1.52	1.90	2.27	2.53	3.16	3.79	4.55	4.55	5.69	6.82	8.19	9.10	11.4	12.3	15.4	18.4	20.5	24.6	30.0	30.0	30.0

外形图 (单位 mm) Dimensions (Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

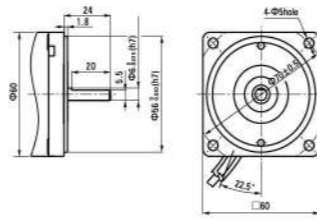
导线型 Lead Wiring Type

重量 Weight : 电动机 Motor : 0.7kg 减速器 Gearhead : 0.4kg



圆轴型的转轴部分 Shaft Section Of Round Shaft Type

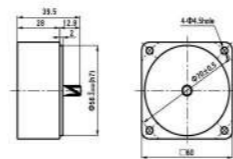
除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



中间减速器 Decimal Gearhead

可安装在GN齿轮轴型上 Can be connected to GN pinion shaft type  
电动机外形与齿轮轴型相同  
2GN10X

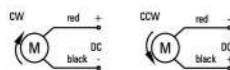
重量 Weight : 0.24kg



电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
Z2D10-12GN Z2DW10-12GN Z2D10-24GN Z2DW10-24GN Z2D10-90GN Z2DW10-90GN	2GN □ K	3-18	32
		25-200	41

减速器型号的□中为减速比的数值 Enter the gear ratio in the box (□) within the model name

电机接线图 Wiring Diagram Of Motor



15W 直流电动机 DC MOTORS 60mm



电机性能参数 Motor Performance Parameters

型号 Model	电压 Voltage V	功率 Power W	空载参数 No-load Parameters		负载参数 Load Parameters			电刷寿命 Brush Life H	电机重量 Motor Weight kg
			转速 Speed r/min	电流 Current A	转速 Speed r/min	力矩 Torque mN.m	电流 Current A		
Z2D15-12 □	12	15	3200	0.8 Max.	2950	48	2.0	2000	0.9
Z2DW15-12 □	12	15	3200	0.8 Max.	2950	48	2.0	2000	0.9
Z2D15-24 □	24	15	3300	0.4 Max.	3000	48	1.0	2000	0.9
Z2DW15-24 □	24	15	3300	0.4 Max.	3000	48	1.0	2000	0.9
Z2D15-90 □	90	15	3200	0.2 Max.	3000	48	0.4	2000	0.9
Z2DW15-90 □	90	15	3200	0.2 Max.	3000	48	0.4	2000	0.9

- 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.
- D后如加W即Z2DW06-12GN表示外置电刷齿轴电机, 如无W则为标准内置电刷齿轴电机: 外置电刷电机, 用户可自行在外部更换电刷: 内置电刷电机更换电刷时需将电机拆装后方可更换。  
We use W after D in the model to express the external brush motor, such as Z2DW06-12GN. If no W, it means the standard internal brush motor. For external brush motor, you can replace the brush directly. For internal ones, we need to disassembly the motor first.

容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

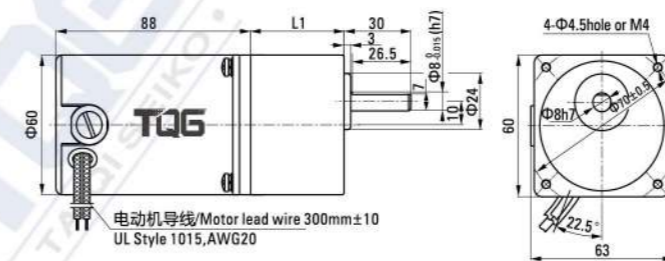
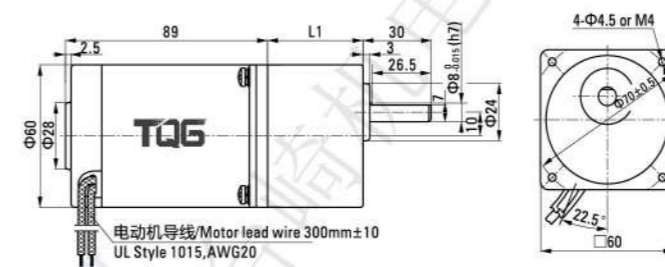
型号 Type	减速比 Gear Ratio	容许力矩单位 Allowance Torque Unit																							
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Z2D15-24GN	转速 Speed r/min	1000	833	600	500	400	333	300	240	200	167	150	120	100	83	75	60	50	40	33	30	25	20	17	15
	2GN □ K	0.12	0.14	0.19	0.23	0.29	0.35	0.39	0.48	0.58	0.70	0.70	0.87	1.04	1.25	1.39	1.74	1.88	2.35	2.82	3.00	3.00	3.00	3.00	3.00
		1.14	1.36	1.90	2.27	2.84	3.41	3.79	4.74	5.69	6.82	6.82	8.53	10.23	12.28	13.65	17.1	18.4	23.0	27.6	30.0	30.0	30.0	30.0	30.0

外形图 (单位 mm) Dimensions (Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

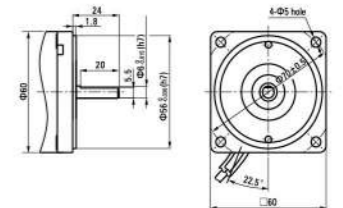
导线型 Lead Wiring Type

重量 Weight : 电动机 Motor : 0.9kg 减速器 Gearhead : 0.4kg



圆轴型的转轴部分 Shaft Section Of Round Shaft Type

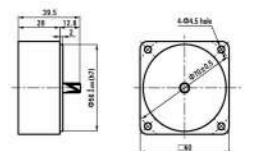
除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



中间减速器 Decimal Gearhead

可安装在GN齿轮轴型上 Can be connected to GN pinion shaft type  
电动机外形与齿轮轴型相同  
2GN10X

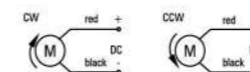
重量 Weight : 0.24kg



电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
Z2D15-12GN Z2DW15-12GN Z2D15-24GN Z2DW15-24GN Z2D15-90GN Z2DW15-90GN	2GN □ K	3-18	32
		25-200	41

减速器型号的□中为减速比的数值 Enter the gear ratio in the box (□) within the model name

电机接线图 Wiring Diagram Of Motor



**25W** 直流电动机  
**70mm** DC MOTORS



**电机性能参数 Motor Performance Parameters**

型号 Model	电压 Voltage V	功率 Power W	空载参数No-load Parameters		负载参数Load Parameters			电刷寿命 Brush Life H	电机重量 Motor Weight kg
			转速Speed r/min	电流Current A	转速Speed r/min	力矩Torque mN.m	电流Current A		
Z3D25-12 □	12	25	3300	1.0 Max.	3000	80	3.5	2000	1.0
Z3DW25-12 □	12	25	3300	1.0 Max.	3000	80	3.5	2000	1.0
Z3D25-24 □	24	25	3200	0.5 Max.	2800	85	1.6	2000	1.0
Z3DW25-24 □	24	25	3200	0.5 Max.	2800	85	1.6	2000	1.0
Z3D25-90 □	90	25	3100	0.3 Max.	2700	88	0.6	2000	1.0
Z3DW25-90 □	90	25	3100	0.3 Max.	2700	88	0.6	2000	1.0

- 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.
- D后如加W即Z3DW06-12GN表示外置电刷轴电机，如无W则为标准内置电刷轴电机：外置电刷电机，用户可自行在外部更换电刷；内置电刷电机更换电刷时需将电机拆装后方可更换。  
We use W after D in the model to express the external brush motor, such as Z3DW06-12GN. If no W, it means the standard internal brush motor. For external brush motor, you can replace the brush directly. For internal ones, we need to disassembly the motor first.

**容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )**

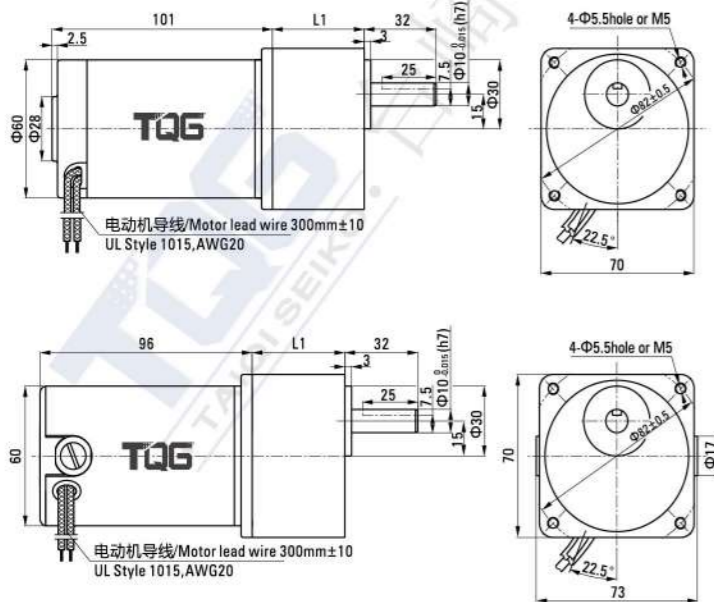
型号 Type	减速比 Gear Ratio	转速 Speed r/min																							
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Z3D25-24GN	转速 Speed r/min	933	778	560	467	373	311	280	224	187	156	140	112	93	78	70	56	47	37	31	28	23	19	16	14
	3GN □ K	0.21	0.25	0.35	0.41	0.52	0.62	0.69	0.86	1.04	1.24	1.24	1.55	1.86	2.24	2.49	3.11	3.73	4.66	5.00	5.00	5.00	5.00	5.00	5.00
		2.03	2.44	3.38	4.06	5.08	6.09	6.77	8.46	10.2	12.2	12.2	15.2	18.3	21.9	24.4	30.5	36.6	45.7	50.0	50.0	50.0	50.0	50.0	50.0

**外形图 ( 单位 mm ) Dimensions (Unit mm)**

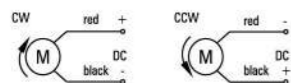
减速器附有安装用螺丝 Mounting screws are included with gearhead.

**导线型 Lead Wiring Type**

重量 Weight : 电动机 Motor : 1.0kg 减速器 Gearhead : 0.55kg

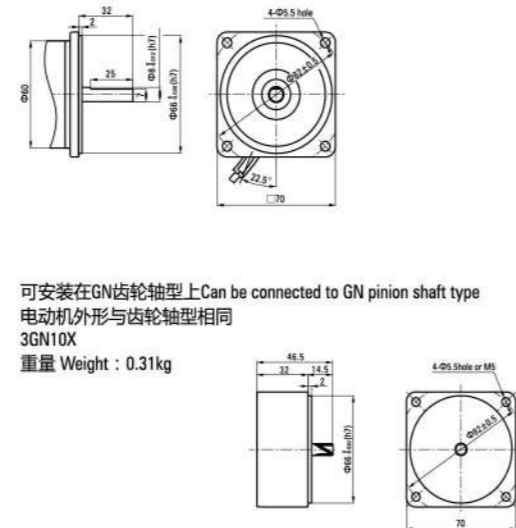


**电机接线图 Wiring Diagram Of Motor**



**圆轴型的转轴部分 Shaft Section Of Round Shaft Type**

除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



可安装在GN齿轮轴型上 Can be connected to GN pinion shaft type

电动机外形与齿轮轴型相同  
3GN10X  
重量 Weight : 0.31kg

电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
Z3D25-12GN Z3DW25-12GN Z3D25-24GN Z3DW25-24GN Z3D25-90GN Z3DW25-90GN	3GN □ K	3-18	32
		25-200	42

减速器型号的□中为减速比的数值 Enter the gear ratio in the box ( □ ) within the model name

**25W** 直流电动机  
**80mm** DC MOTORS



**电机性能参数 Motor Performance Parameters**

型号 Model	电压 Voltage V	功率 Power W	空载参数No-load Parameters		负载参数Load Parameters			电刷寿命 Brush Life H	电机重量 Motor Weight kg
			转速Speed r/min	电流Current A	转速Speed r/min	力矩Torque mN.m	电流Current A		
Z4D25-12 □	12	25	3200	1.4 Max.	3100	77	3.6	2000	1.7
Z4D25-24 □	24	25	3000	0.7 Max.	2850	84	1.7	2000	1.7
Z4D25-90 □	90	25	3200	0.2 Max.	3000	80	0.5	2000	1.7

- 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.

**容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )**

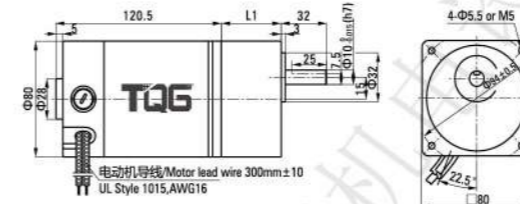
型号 Type	减速比 Gear Ratio	转速 Speed r/min																							
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Z4D25-24GN	转速 Speed r/min	950	792	570	475	380	317	285	228	190	158	143	114	95	79	71	57	48	38	32	29	24	19	16	14
	4GN □ K	0.20	0.24	0.34	0.41	0.51	0.61	0.68	0.85	1.02	1.22	1.36	1.53	1.83	2.20	2.44	3.05	3.30	4.12	4.95	5.50	6.60	8.00	8.00	8.00
		1.99	2.39	3.32	3.99	4.99	5.98	6.65	8.31	10.0	12.0	13.3	15.0	18.0	21.5	23.9	29.9	32.3	40.4	48.5	53.9	64.6	80.0	80.0	80.0

**外形图 ( 单位 mm ) Dimensions (Unit mm)**

减速器附有安装用螺丝 Mounting screws are included with gearhead.

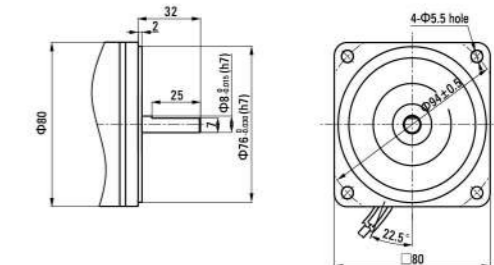
**导线型 Lead Wiring Type**

重量 Weight : 电动机 Motor : 1.7kg 减速器 Gearhead : 0.80kg



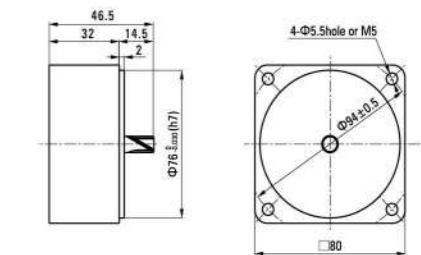
**圆轴型的转轴部分 Shaft Section Of Round Shaft Type**

除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.

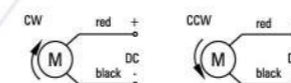


**中间减速器 Decimal Gearhead**

可安装在GN齿轮轴型上 Can be connected to GN pinion shaft type  
电动机外形与齿轮轴型相同  
4GN10X  
重量 Weight : 0.41kg



**电机接线图 Wiring Diagram Of Motor**



40W  
80mm

直流电动机  
DC MOTORS



电机性能参数 Motor Performance Parameters

型号 Model	电压 Voltage V	功率 Power W	空载参数No-load Parameters		负载参数Load Parameters			电刷寿命 Brush Life H	电机重量 Motor Weight kg
			转速Speed r/min	电流Current A	转速Speed r/min	力矩Torque mN.m	电流Current A		
Z4D40-12□	12	40	3100	2.0 Max.	2800	136	5.2	2000	1.8
Z4D40-24□	24	40	3100	0.8 Max.	3000	127	2.1	2000	1.8
Z4D40-90□	90	40	3200	0.3 Max.	3000	127	0.7	2000	1.8

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 according to his request under the allowed circumstance of adoptable dimension.

容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

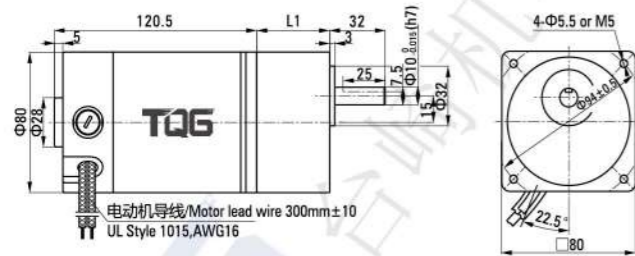
型号 Type	减速比 Gear Ratio	容许力矩单位 Allowance Torque Unit																							
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Z4D40-24GN	转速 Speed r/min	1000	833	600	500	400	333	300	240	200	167	150	120	100	83	75	60	50	40	33	30	25	20	17	15
	4GN□K	0.31	0.37	0.52	0.62	0.77	0.93	1.03	1.29	1.55	1.86	2.06	2.32	2.78	3.34	3.71	4.64	5.01	6.27	7.52	8.00	8.00	8.00	8.00	8.00
	5GN□K	3.03	3.64	5.05	6.06	7.58	9.10	10.1	12.6	15.2	18.2	20.2	22.7	27.3	32.7	36.4	45.5	49.1	61.4	73.7	80.0	80.0	80.0	80.0	80.0

外形图 ( 单位 mm ) Dimensions(Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

导线型 Lead Wiring Type

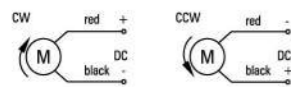
重量 Weight : 电动机 Motor : 1.8kg 减速器 Gearhead : 0.80kg



电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
Z4D40-12GN Z4D40-24GN Z4D40-90GN	4GN□K	3~18	32
		25~200	42.5

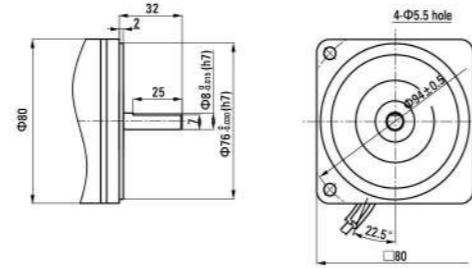
减速器型号的□中为减速比的数值  
Enter the gear ratio in the box ( □ ) within the model name

电机接线图 Wiring Diagram Of Motor



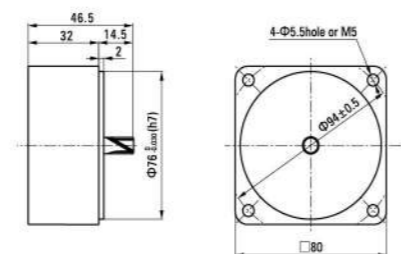
圆轴型的转轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



中间减速器 Decimal Gearhead

可安装在GN齿轮轴型上 Can be connected to GN pinion shaft type  
电动机外形与齿轮轴型相同  
4GN10X  
重量 Weight : 0.41kg



40W  
90mm 直流电动机  
DC MOTORS



电机性能参数 Motor Performance Parameters

型号 Model	电压 Voltage V	功率 Power W	空载参数No-load Parameters		负载参数Load Parameters			电刷寿命 Brush Life H	电机重量 Motor Weight kg
			转速Speed r/min	电流Current A	转速Speed r/min	力矩Torque mN.m	电流Current A		
Z5D40-12□	12	40	3100	2.0 Max.	2800	136	5.2	2000	1.9
Z5D40-24□	24	40	3000	1.0 Max.	2800	136	2.6	2000	1.9
Z5D40-90□	90	40	3200	0.3 Max.	3000	127	0.7	2000	1.9

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.

容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

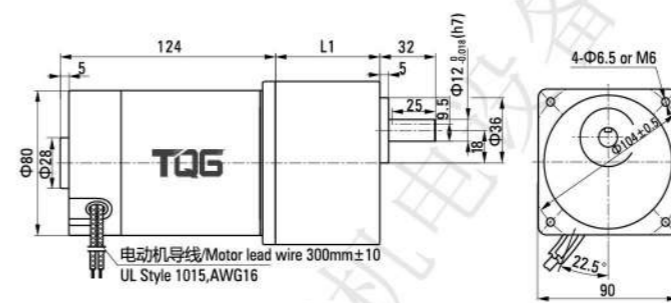
型号 Type	减速比 Gear Ratio	容许力矩单位 Allowance Torque Unit																							
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Z5D40-24GN	转速 Speed r/min	933	778	560	467	373	311	280	224	187	156	140	112	93	78	70	56	47	37	31	28	23	19	16	14
	5GN□K	0.33	0.40	0.55	0.66	0.83	0.99	1.11	1.38	1.66	1.79	1.99	2.49	2.98	3.58	3.58	4.48	5.37	6.71	8.06	8.95	10.0	10.0	10.0	10.0
		3.25	3.90	5.41	6.50	8.12	9.75	10.8	13.5	16.2	17.5	19.5	24.4	29.2	35.1	35.1	43.9	52.6	65.8	78.9	87.7	100	100	100	100

外形图 ( 单位 mm ) Dimensions(Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

导线型 Lead Wiring Type

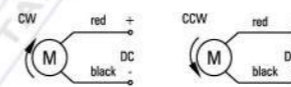
重量 Weight : 电动机 Motor : 1.9kg 减速器 Gearhead : 1.35kg



电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
Z5D40-12GN Z5D40-24GN Z5D40-90GN	5GN□K	3~18	32
		25~200	42.5

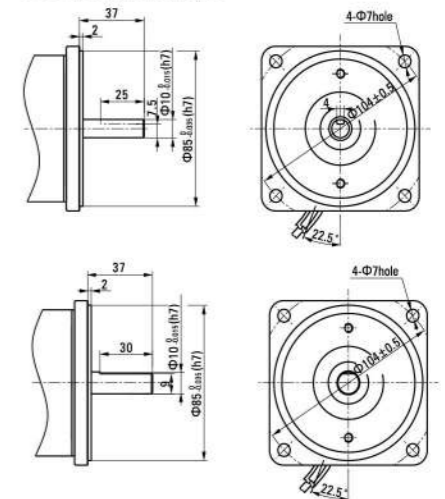
减速器型号的□中为减速比的数值  
Enter the gear ratio in the box ( □ ) within the model name

电机接线图 Wiring Diagram Of Motor



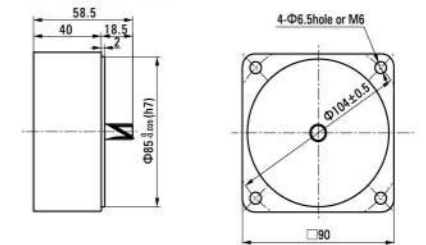
圆轴型的转轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



中间减速器 Decimal Gearhead

可安装在GN齿轮轴型上 Can be connected to GN pinion shaft type  
电动机外形与齿轮轴型相同  
5GN10X  
重量 Weight : 0.41kg



# 60W 直流电动机 DC MOTORS

## 90mm



### 电机性能参数 Motor Performance Parameters

型号 Model	电压 Voltage	功率 Power	空载参数No-load Parameters		负载参数Load Parameters			电刷寿命 Brush Life	电机重量 Motor Weight
			转速Speed	电流Current	转速Speed	力矩Torque	电流Current		
Z5D60-12□	12	60	3000	2.0 Max.	2600	220	9.0	2000	2.2
Z5D60-24□	24	60	3100	1.0 Max.	2800	205	3.8	2000	2.2
Z5D60-90□	90	60	3100	0.3 Max.	2900	198	1.0	2000	2.2

●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.

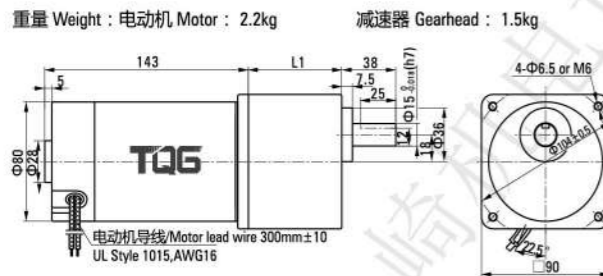
### 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

型号 Type	减速比 Gear Ratio	容许力矩单位																							
		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
Z5D60-24GU	转速 Speed r/min	933	778	560	467	373	311	280	224	187	156	140	112	93	78	70	56	47	37	31	28	23	19	16	14
	5GU□KB	0.50	0.60	0.83	0.99	1.24	1.49	1.49	1.86	2.24	2.69	2.69	3.36	4.03	4.83	5.37	6.71	8.06	10.1	10.9	12.1	14.5	18.1	20.0	20.0
		4.87	5.85	8.12	9.75	12.2	14.6	14.6	18.3	21.9	26.3	26.3	32.9	39.5	47.4	52.6	65.8	78.9	98.7	107	118	142	178	200	200

### 外形图 (单位 mm) Dimensions(Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

#### ● 导线型 Lead Wiring Type

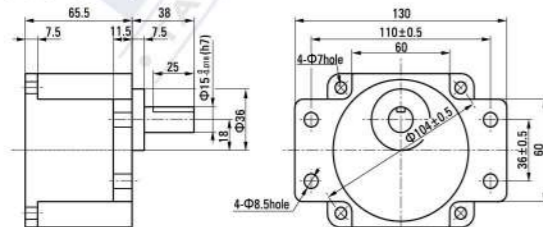


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
Z5D60-12GU Z5D60-24GU Z5D60-90GU	5GU□KB	3~200	65.5

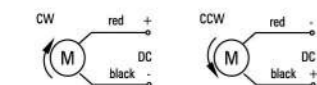
●减速器型号的□中为减速比的数值 Enter the gear ratio in the box (□) within the model name

#### ● 凸缘安装型减速器 Flange Mounting Reducer

可安装在GU齿轮轴型上 Can be mounted on GU type gear shaft 5GU□K  
重量 Weight: 1.5kg

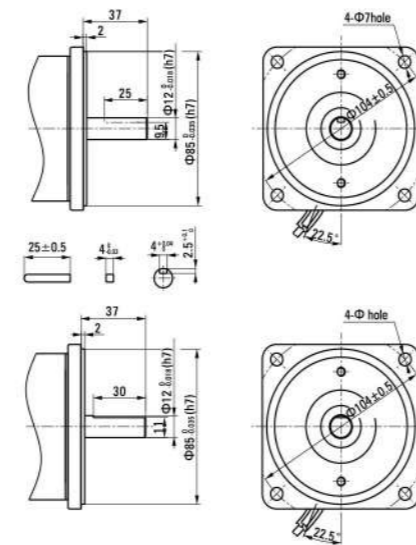


#### ● 电机接线图 Wiring Diagram Of Motor



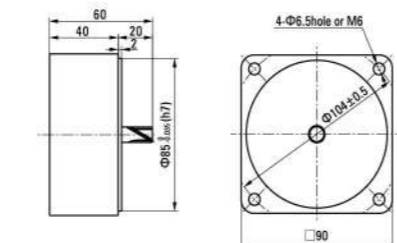
#### ● 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



#### ● 中间减速器 Decimal Gearhead

可安装在GU齿轮轴型上 Can be connected to GU pinion shaft type  
电动机外形与齿轮轴型相同  
5GU10X  
重量 Weight : 0.651kg



# 90W 直流电动机 DC MOTORS

## 90mm



### 电机性能参数 Motor Performance Parameters

型号 Model	电压 Voltage	功率 Power	空载参数No-load Parameters		负载参数Load Parameters			电刷寿命 Brush Life	电机重量 Motor Weight
			转速Speed	电流Current	转速Speed	力矩Torque	电流Current		
Z5D90-12□	12	90	3100	2.0 Max.	2600	330	12.0	2000	2.2
Z5D90-24□	24	90	3300	1.0 Max.	2800	307	5.0	2000	2.2
Z5D90-90□	90	90	3000	0.3 Max.	2900	307	1.4	2000	2.2

●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.

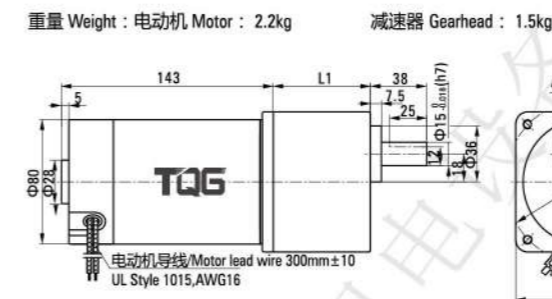
### 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

型号 Type	减速比 Gear Ratio	容许力矩单位																							
		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
Z5D90-24GU	转速 Speed r/min	933	778	560	467	373	311	280	224	187	156	140	112	93	78	70	56	47	37	31	28	23	19	16	14
	5GU□KB	0.75	0.90	1.24	1.49	1.86	2.24	2.24	2.80	3.36	4.03	4.03	5.03	6.04	7.25	8.06	10.1	12.4	15.1	16.3	18.1	20.0	20.0	20.0	20.0
		7.31	8.77	12.2	14.6	18.3	21.9	21.9	27.4	32.9	39.5	39.5	49.3	59.2	71.1	78.9	98.7	118	148	160	178	200	200	200	200

### 外形图 (单位 mm) Dimensions(Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

#### ● 导线型 Lead Wiring Type

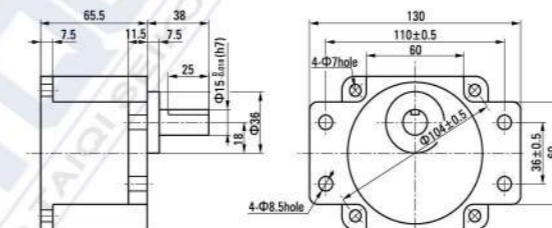


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
Z5D90-12GU Z5D90-24GU Z5D90-90GU	5GU□KB	3~200	65.5

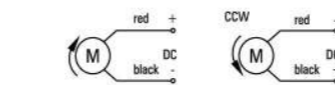
●减速器型号的□中为减速比的数值 Enter the gear ratio in the box (□) within the model name

#### ● 凸缘安装型减速器 Flange Mounting Reducer

可安装在GU齿轮轴型上 Can be mounted on GU type gear shaft 5GU□K  
重量 Weight: 1.5kg

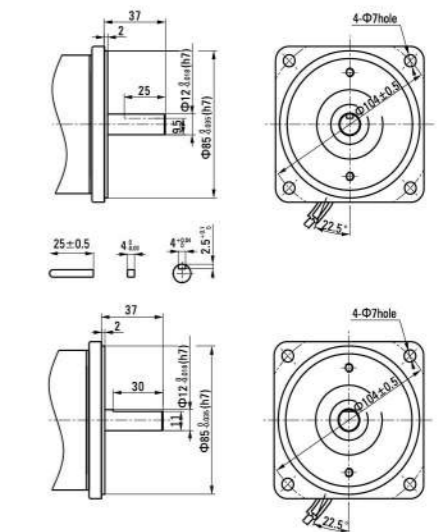


#### ● 电机接线图 Wiring Diagram Of Motor cw



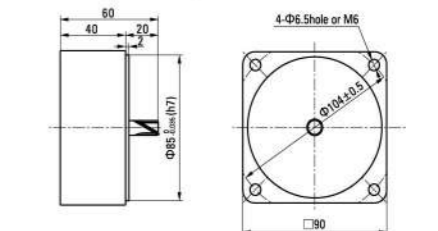
#### ● 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



#### ● 中间减速器 Decimal Gearhead

可安装在GU齿轮轴型上 Can be connected to GU pinion shaft type  
电动机外形与齿轮轴型相同  
5GU10X  
重量 Weight : 0.651kg



# 120W 直流电动机 DC MOTORS

## 90mm



### 电机性能参数 Motor Performance Parameters

型号 Model	电压 Voltage V	功率 Power W	空载参数No-load Parameters		负载参数Load Parameters			电刷寿命 Brush Life H	电机重量 Motor Weight kg
			转速Speed r/min	电流Current A	转速Speed r/min	力矩Torque mN.m	电流Current A		
Z5D120-12□	12	120	3100	2.0 Max.	2500	458	15.0	2000	2.2
Z5D120-24□	24	120	3200	1.0 Max.	2600	441	7.0	2000	2.2
Z5D120-90□	90	120	3000	0.3 Max.	2600	441	2.0	2000	2.2

●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.

### 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

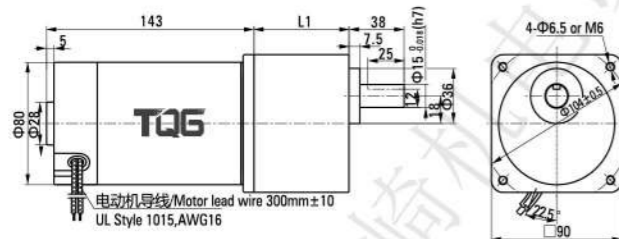
型号 Type	减速比 Gear Ratio	转速 Speed r/min																							
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Z5D120-24GU	转速 Speed r/min	867	722	520	433	347	289	260	208	173	144	130	104	87	72	65	52	43	35	29	26	22	17	14	13
	5GU□KB	1.07	1.29	1.79	2.14	2.68	3.21	3.21	4.02	4.82	5.78	5.78	7.23	8.68	10.4	11.6	14.5	17.4	20.0	20.0	20.0	20.0	20.0	20.0	20.0
		10.5	12.6	17.5	21.0	26.2	31.5	31.5	39.4	47.2	56.7	56.7	70.9	85.0	102	113	142	170	200	200	200	200	200	200	200

### 外形图 (单位 mm) Dimensions(Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

#### ● 导线型 Lead Wiring Type

重量 Weight : 电动机 Motor : 2.2kg 减速器 Gearhead : 1.5kg

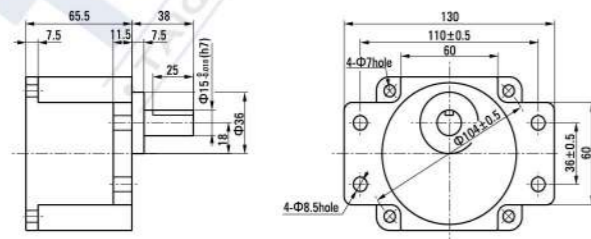


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
Z5D120-12GU	5GU□KB	3~200	65.5
Z5D120-24GU			
Z5D120-90GU			

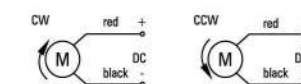
●减速器型号的□中为减速比的数值 Enter the gear ratio in the box (□) within the model name

#### ● 凸缘安装型减速器 Flange Mounting Reducer

可安装在GU齿轮轴型上 Can be mounted on GU type gear shaft 5GU□K  
重量 Weight: 1.5kg

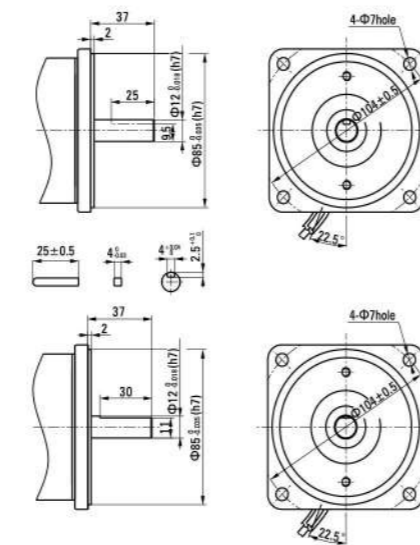


#### ● 电机接线图 Wiring Diagram Of Motor



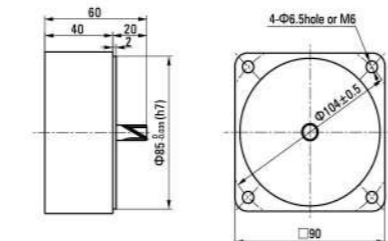
#### ● 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



#### ● 中间减速器 Decimal Gearhead

可安装在GU齿轮轴型上 Can be connected to GU pinion shaft type  
电动机外形与齿轮轴型相同 5GU10X  
重量 Weight : 0.651kg



# 250W 直流电动机 DC MOTORS

## 90mm



### 电机性能参数 Motor Performance Parameters

型号 Model	电压 Voltage V	功率 Power W	空载参数No-load Parameters		负载参数Load Parameters			电刷寿命 Brush Life H	电机重量 Motor Weight kg
			转速Speed r/min	电流Current A	转速Speed r/min	力矩Torque mN.m	电流Current A		
Z55D250-24 □	24	250	3400	3.0 Max.	3000	796	16.0	2000	3.2
Z55D250-90 □	90	250	3300	1.2 Max.	3000	796	4.2	2000	3.2
Z55D250-220□	220	250	3300	0.9 Max.	3000	796	2.2	2000	3.2

●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.

### 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

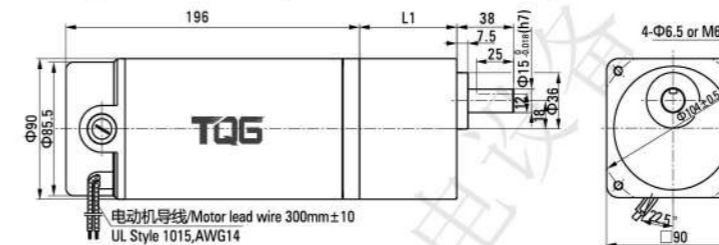
型号 Type	减速比 Gear Ratio	转速 Speed r/min																							
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Z55D250-24GU	转速 Speed r/min	1000	833	600	500	400	333	300	240	200	167	150	120	100	83	75	60	50	40	33	30	25	20	17	15
	5GU□KB	1.93	2.32	3.22	3.87	4.83	5.80	5.80	7.25	8.70	10.4	10.4	13.1	15.7	18.8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
		19.0	22.7	31.6	37.9	47.4	56.9	56.9	71.1	85.3	102	102	128	154	184	200	200	200	200	200	200	200	200	200	200

### 外形图 (单位 mm) Dimensions(Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

#### ● 导线型 Lead Wiring Type

重量 Weight : 电动机 Motor : 3.2kg 减速器 Gearhead : 1.5kg

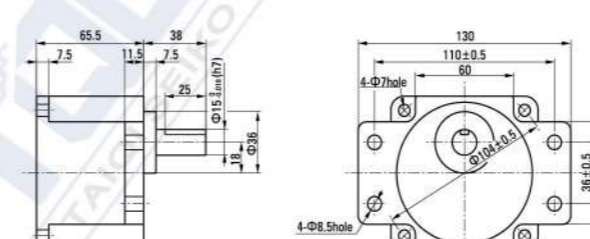


电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
Z55D250-24GU	5GU□KB	3~200	65.5
Z55D250-90GU			
Z55D250-220GU			

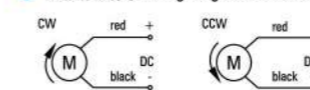
●减速器型号的□中为减速比的数值 Enter the gear ratio in the box (□) within the model name

#### ● 凸缘安装型减速器 Flange Mounting Reducer

可安装在GU齿轮轴型上 Can be mounted on GU type gear shaft 5GU□K  
重量 Weight: 1.5kg

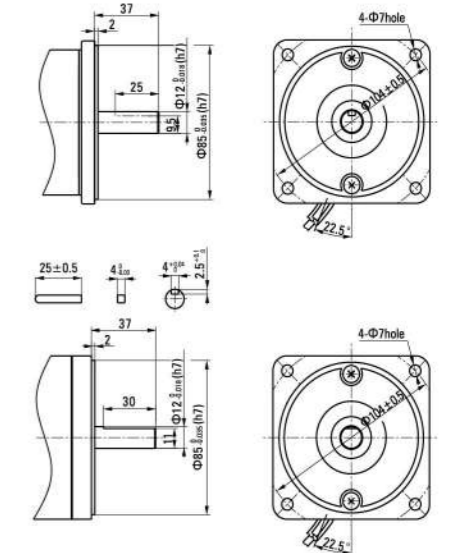


#### ● 电机接线图 Wiring Diagram Of Motor



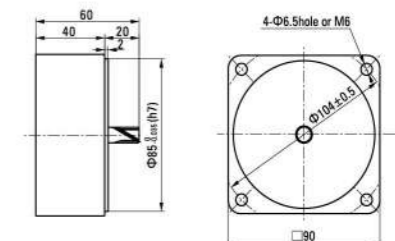
#### ● 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



#### ● 中间减速器 Decimal Gearhead

可安装在GU齿轮轴型上 Can be connected to GU pinion shaft type  
电动机外形与齿轮轴型相同 5GU10X  
重量 Weight : 0.651kg





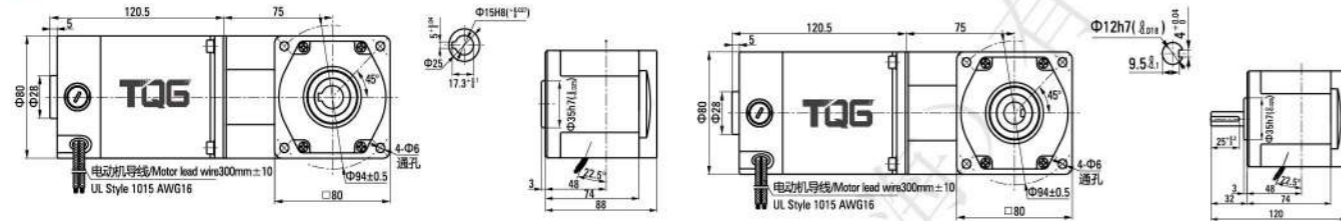
**25W** 直流电动机 弧锥直角  
**80mm** DC MOTORS SPIRAL BEVEL RIGHT ANGLE



容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

机型Type	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速机 Motor/Gearhead	转速Speed r/min	950	791	570	475	380	316	228	190	158	114	95	79	57	47	38	31	28	23	19	15
Z4D25-24GN-28.5S	4GN□RC/ 4GN□RT	0.16	0.20	0.27	0.33	0.46	0.55	0.76	0.92	1.10	1.53	1.80	2.20	3.05	3.30	4.12	4.95	5.50	6.60	8.00	8.00
		1.63	2.04	2.75	3.37	4.69	5.61	7.75	9.38	11.2	15.6	18.4	22.4	31.1	33.7	42.0	50.5	56.1	67.3	80.0	8.00

外形图 ( 单位 mm ) Dimensions(Unit mm)

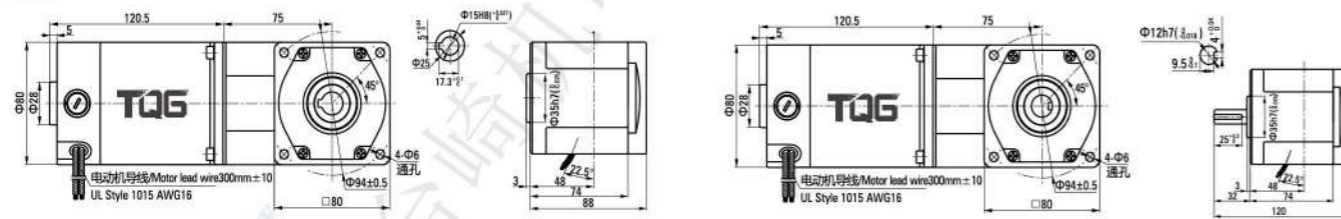


**40W** 直流电动机 弧锥直角  
**80mm** DC MOTORS SPIRAL BEVEL RIGHT ANGLE

容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

机型Type	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速机 Motor/Gearhead	转速Speed r/min	1000	833	600	500	400	333	240	200	166	120	100	83	60	50	40	33	30	25	20	16
Z4D40-24GN-30S	4GN□RC/ 4GN□RT	0.25	0.30	0.42	0.50	0.70	0.84	1.16	1.39	1.67	2.32	2.78	3.34	4.64	5.01	6.27	7.52	8.00	8.00	8.00	8.00
		2.55	3.06	4.28	5.10	7.14	8.57	11.8	14.2	17.0	23.7	28.4	34.1	47.3	51.1	64.0	76.7	80.0	80.0	80.0	8.00

外形图 ( 单位 mm ) Dimensions(Unit mm)

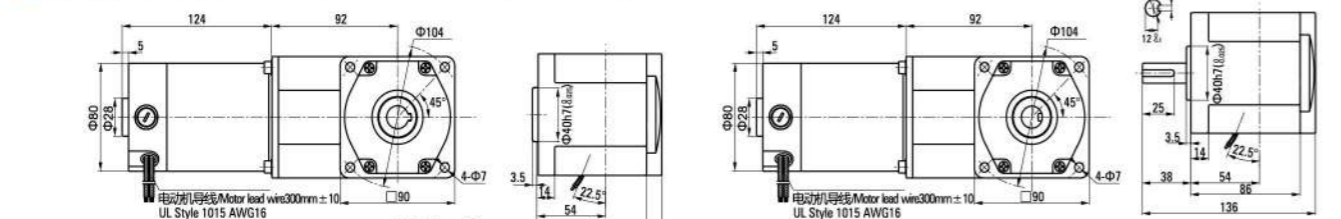


**40W** 直流电动机 弧锥直角  
**90mm** DC MOTORS SPIRAL BEVEL RIGHT ANGLE

容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

机型Type	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速机 Motor/Gearhead	转速Speed r/min	933	777	560	466	373	311	224	186	155	112	93	77	56	46	37	31	28	23	18	15
Z5D40-24GU-28S	5GU□RC/ 5GU□RT	0.27	0.32	0.42	0.54	0.75	0.90	1.24	1.49	1.79	2.32	2.78	3.01	4.18	5.37	6.71	8.06	8.95	10.7	13.4	16.1
		2.75	3.26	4.28	5.51	7.65	9.18	12.6	15.2	18.3	23.7	28.4	30.7	42.6	54.8	68.4	82.2	91.3	109	137	164

外形图 ( 单位 mm ) Dimensions(Unit mm)



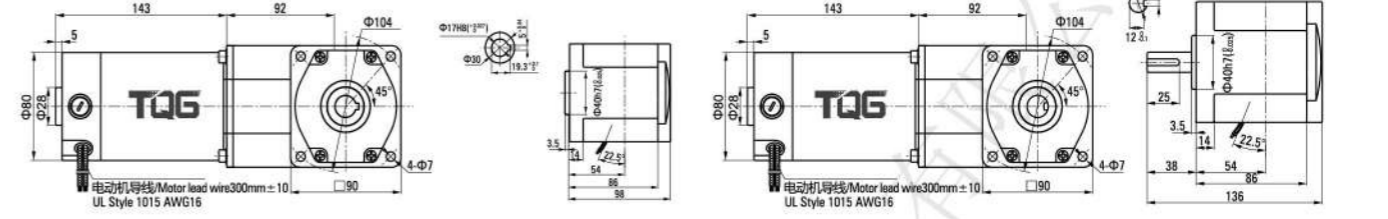
**60W** 直流电动机 弧锥直角  
**90mm** DC MOTORS SPIRAL BEVEL RIGHT ANGLE



容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

机型Type	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速机 Motor/Gearhead	转速Speed r/min	933	777	560	466	373	311	224	186	155	112	93	77	56	46	37	31	28	23	18	15
Z5D60-24GU-28S	5GU□RC/ 5GU□RT	0.40	0.48	0.67	0.81	1.12	1.34	1.86	2.24	2.69	3.37	4.48	4.83	6.71	8.06	10.1	12.1	13.4	16.1	20.0	20.0
		4.08	4.90	6.83	8.26	11.4	13.7	19.0	22.8	27.4	38.0	45.7	49.3	68.4	82.2	103	123	137	164	200	200

外形图 ( 单位 mm ) Dimensions(Unit mm)

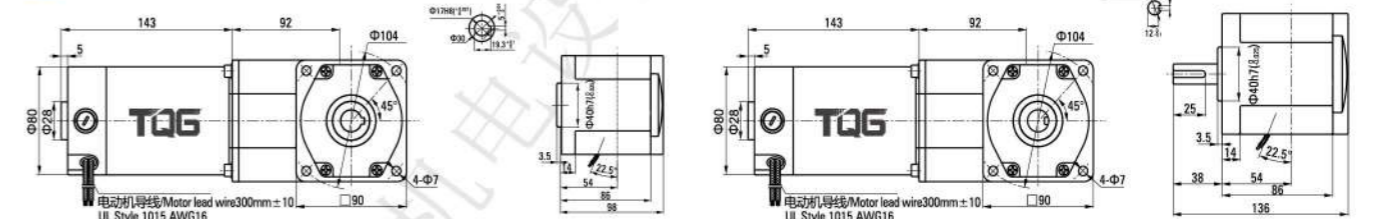


**90W** 直流电动机 弧锥直角  
**90mm** DC MOTORS SPIRAL BEVEL RIGHT ANGLE

容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

机型Type	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速机 Motor/Gearhead	转速Speed r/min	933	777	560	466	373	311	224	186	155	112	93	77	56	46	37	31	28	23	18	15
Z5D90-24GU-28S	5GU□RC/ 5GU□RT	0.60	0.73	1.01	1.21	1.68	2.01	2.80	3.36	4.03	5.59	6.71	7.25	10.1	12.1	15.1	18.1	20.0	20.0	20.0	20.0
		6.12	7.45	10.3	12.3	17.1	20.5	28.6	34.3	41.1	57.0	68.4	74.0	103	123	154	185	200	200	200	200

外形图 ( 单位 mm ) Dimensions(Unit mm)

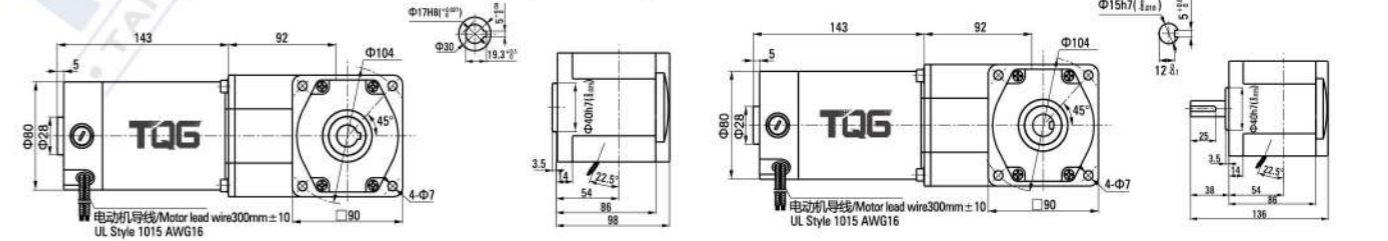


**120W** 直流电动机 弧锥直角  
**90mm** DC MOTORS SPIRAL BEVEL RIGHT ANGLE

容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

机型Type	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速机 Motor/Gearhead	转速Speed r/min	866	722	520	433	346	288	208	173	144	104	86	72	52	43	34	28	26	21	17	14
Z5D120-24GU-26S	5GU□RC/ 5GU□RT	0.87	1.04	1.45	1.74	2.41	5.44	4.02	4.82	5.78	8.03	9.64	10.4	14.5	17.4	20.0	20.0	20.0	20.0	20.0	20.0
		8.87	10.6	14.8	17.7	24.6	55.5	41.0	48.2	59.0	81.9	98.3	106	148	177	200	200	200	200	200	200

外形图 ( 单位 mm ) Dimensions(Unit mm)



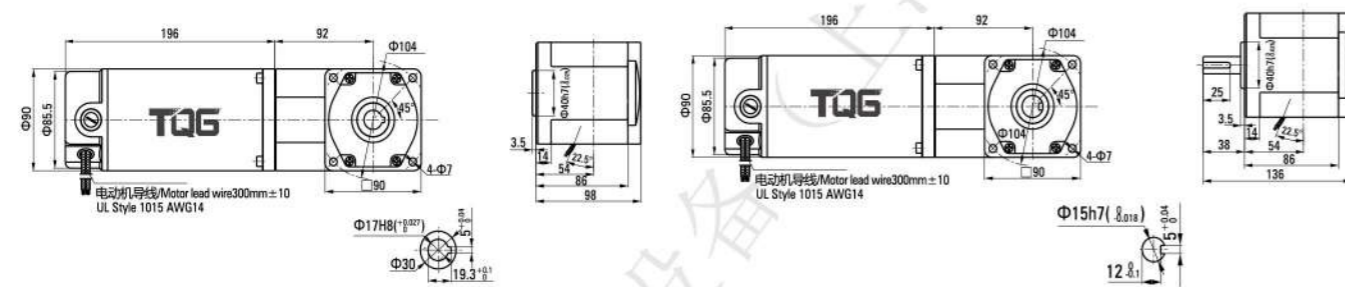
**250W** 直流电动机 弧锥直角  
 DC MOTORS SPIRAL BEVEL RIGHT ANGLE



容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

机型Type 电动机/减速机 Motor/Gearhead	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
Z55D250-24GU-30S	5GU□RC/ 5GU□RT	1.57	1.88	2.61	3.13	4.35	9.83	13.6	8.70	10.4	14.5	17.4	18.8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	转速Speed r/min	1000	833	600	500	400	333	240	200	166	120	100	83	60	50	40	33	30	25	20	16

外形图 ( 单位 mm ) Dimensions(Unit mm)



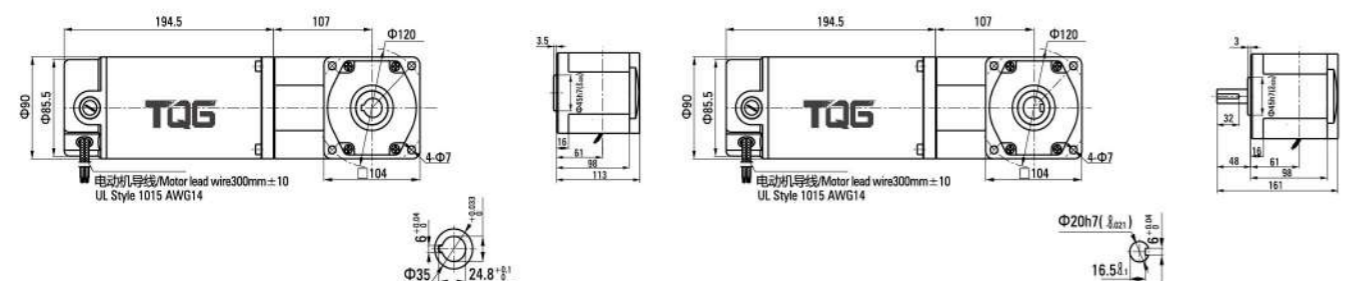
**250W** 直流电动机 弧锥直角  
 DC MOTORS SPIRAL BEVEL RIGHT ANGLE



容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

机型Type 电动机/减速机 Motor/Gearhead	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
Z6D250-24GU-30S	6GU□RC/ 6GU□RT	1.57	1.88	2.61	3.13	3.92	9.83	13.6	8.70	10.4	14.5	17.4	20.9	26.1	31.3	39.2	47.0	52.2	60.0	60.0	60.0
	转速Speed r/min	1000	833	600	500	400	333	240	200	166	120	100	83	60	50	40	33	30	25	20	16

外形图 ( 单位 mm ) Dimensions(Unit mm)



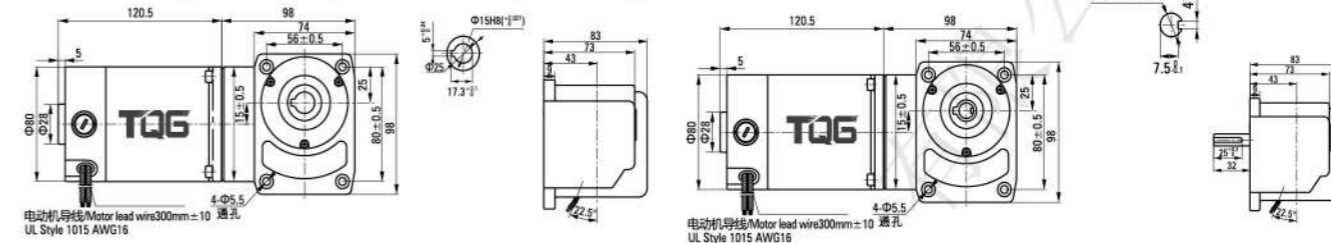
**25W** 直流电动机 蜗轮蜗杆直角  
 DC MOTORS WORM GEAR RIGHT ANGLE



容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

机型Type 电动机/减速机 Motor/Gearhead	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
Z4D25-24GN-28.5S	4GN□RH/ 4GN□RA	0.09	0.11	0.14	0.16	0.20	0.24	0.34	0.41	0.49	0.68	0.81	0.98	1.36	1.63	2.04	2.44	2.71	3.26	4.07	4.89
	转速Speed r/min	950	791	570	475	380	316	228	190	158	114	95	79	57	47	38	31	28	23	19	15

外形图 ( 单位 mm ) Dimensions(Unit mm)

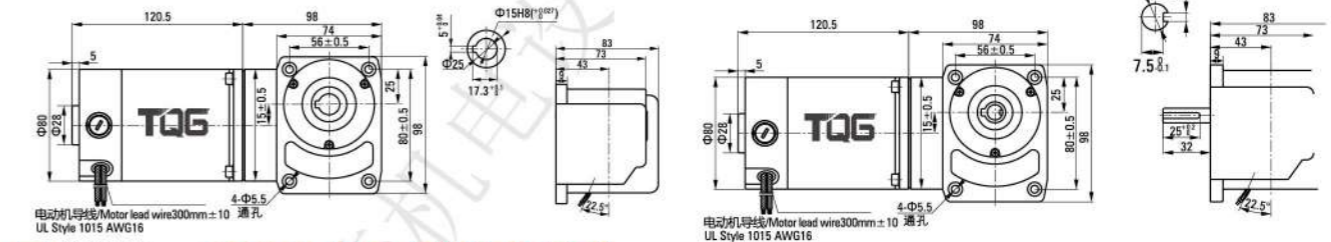


**40W** 直流电动机 蜗轮蜗杆直角  
 DC MOTORS WORM GEAR RIGHT ANGLE

容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

机型Type 电动机/减速机 Motor/Gearhead	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
Z4D40-24GN-30S	4GN□RH/ 4GN□RA	0.14	0.17	0.21	0.25	0.31	0.37	0.52	0.62	0.74	1.03	1.24	1.49	2.06	2.48	3.09	3.71	4.13	4.95	6.19	7.43
	转速Speed r/min	1000	833	600	500	400	333	240	200	166	120	100	83	60	50	40	33	30	25	20	16

外形图 ( 单位 mm ) Dimensions(Unit mm)

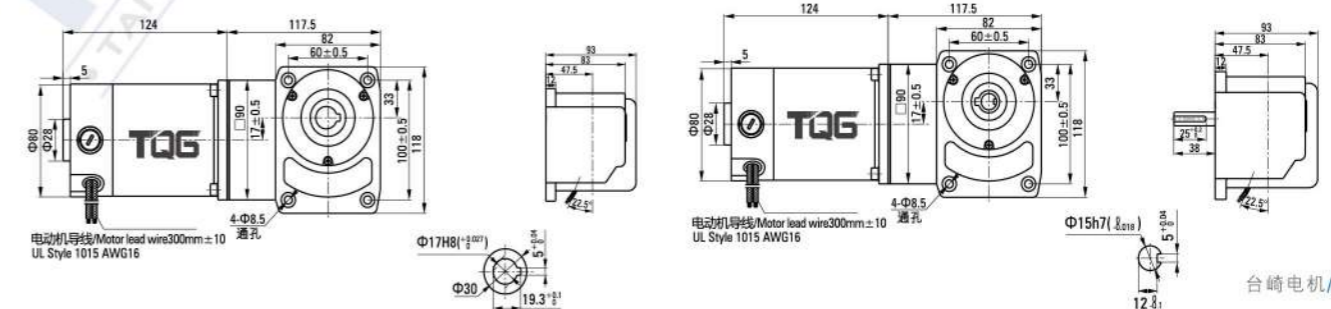


**40W** 直流电动机 蜗轮蜗杆直角  
 DC MOTORS WORM GEAR RIGHT ANGLE

容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

机型Type 电动机/减速机 Motor/Gearhead	减速比Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
Z5D40-24GU-28S	5GU□RH/ 5GU□RA	0.15	0.18	0.22	0.27	0.33	0.40	0.55	0.66	0.80	1.11	1.33	1.59	2.21	2.65	3.32	3.98	4.42	5.30	6.63	7.96
	转速Speed r/min	933	777	560	466	373	311	224	186	155	112	93	77	56	46	37	31	28	23	18	15

外形图 ( 单位 mm ) Dimensions(Unit mm)





# 60W 直流电动机 蜗轮蜗杆直角

## DC MOTORS WORM GEAR RIGHT ANGLE

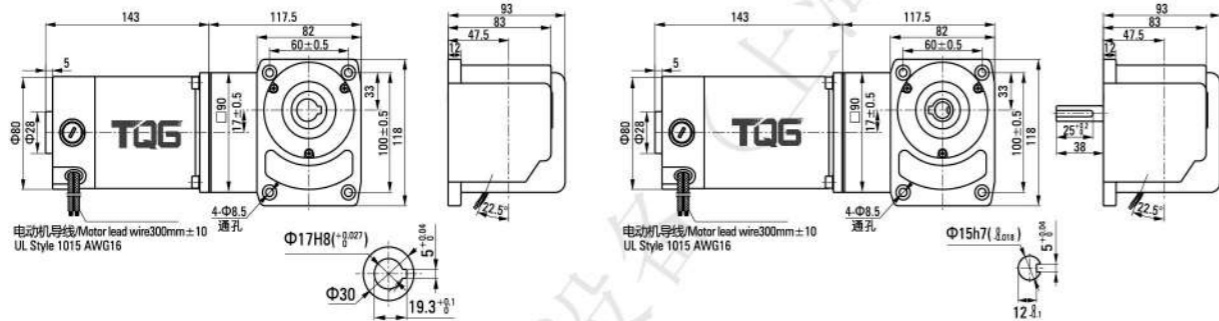
### 90mm



容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

机型Type	减速机 Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速机 Motor/Gearhead	转速Speed r/min	933	777	560	466	373	311	224	186	155	112	93	77	56	46	37	31	28	23	18	15
Z5D60-24GU-28S	5GU□RH/	0.22	0.27	0.33	0.40	0.50	0.60	0.83	0.99	1.19	1.66	1.99	2.39	3.32	3.98	4.97	5.97	6.63	7.96	9.95	11.9
	5GU□RA	2.24	2.75	3.37	4.08	5.10	6.12	8.47	10.1	12.1	16.9	20.3	24.4	33.9	40.6	50.7	60.9	67.6	81.2	101	121

外形图 (单位 mm) Dimensions(Unit mm)



# 90W 直流电动机 蜗轮蜗杆直角

## DC MOTORS WORM GEAR RIGHT ANGLE

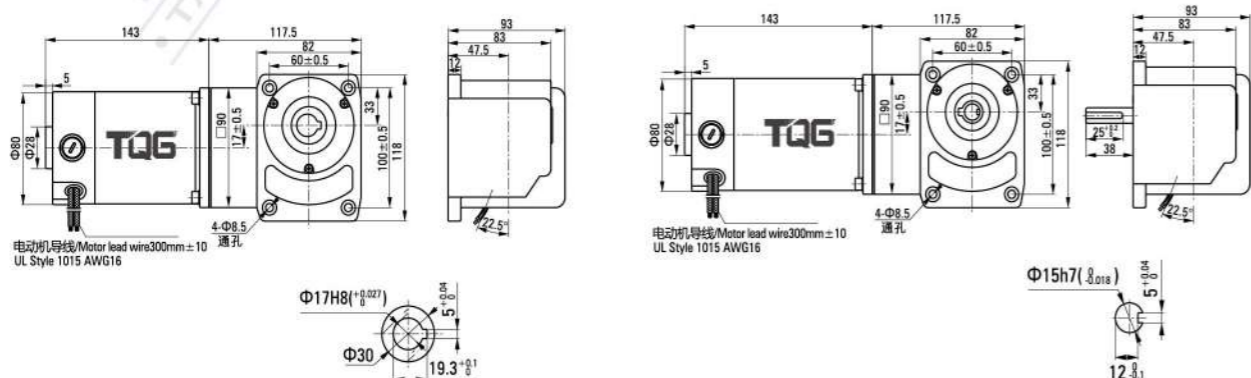
### 90mm



容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

机型Type	减速机 Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速机 Motor/Gearhead	转速Speed r/min	933	777	560	466	373	311	224	186	155	112	93	77	56	46	37	31	28	23	18	15
Z5D90-24GU-28S	5GU□RH/	0.33	0.40	0.50	0.60	0.75	0.90	1.24	1.49	1.79	2.49	2.98	3.58	4.97	5.97	7.46	8.95	9.95	11.9	14.9	17.9
	5GU□RA	3.37	4.08	5.10	6.12	7.65	9.18	12.6	15.2	18.3	25.4	30.4	36.5	50.7	60.9	76.1	91.3	101	121	152	183

外形图 (单位 mm) Dimensions(Unit mm)



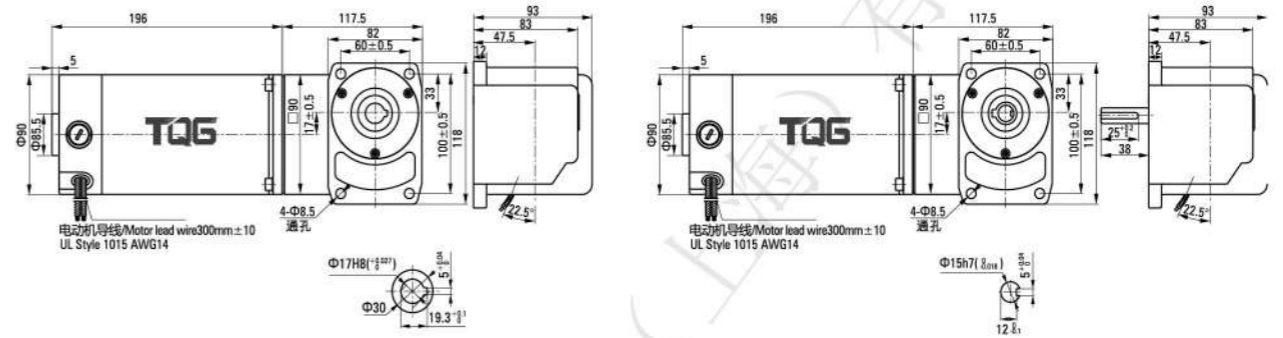
# 250W 直流电动机 蜗轮蜗杆直角

## DC MOTORS WORM GEAR RIGHT ANGLE

### 90mm



机型Type	减速机 Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速机 Motor/Gearhead	转速Speed r/min	1000	833	600	500	400	333	240	200	166	120	100	83	60	50	40	33	30	25	20	16
Z55D250-24GU-30S	5GU□RH/	0.86	1.03	1.29	1.55	1.93	2.32	3.22	3.87	4.64	6.45	7.74	9.28	12.9	15.5	19.3	20.0	20.0	20.0	20.0	20.0
	5GU□RA	8.77	10.5	13.2	15.8	19.7	23.7	32.8	39.5	47.3	65.8	78.9	94.7	132	158	197	200	200	200	200	200



# 120W 直流电动机 蜗轮蜗杆直角

## DC MOTORS WORM GEAR RIGHT ANGLE

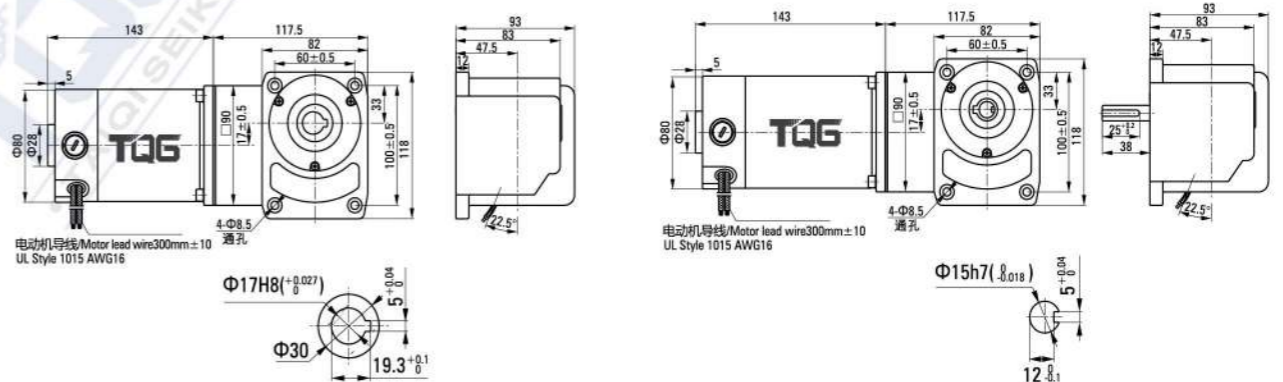
### 90mm



容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

机型Type	减速机 Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
电动机/减速机 Motor/Gearhead	转速Speed r/min	866	722	520	433	346	288	208	173	144	104	86	72	52	43	34	28	26	21	17	14
Z5D120-24GU-26S	5GU□RH/	0.48	0.57	0.71	0.86	1.07	1.29	1.79	2.14	2.57	3.57	4.28	5.14	7.14	8.57	10.7	12.9	14.3	17.1	20.0	20.0
	5GU□RA	4.90	5.81	7.24	8.77	10.9	13.2	18.3	21.8	26.2	36.4	43.7	52.4	72.8	87.4	109	132	146	174	200	200

外形图 (单位 mm) Dimensions(Unit mm)



# 小型齒輪減速機系列

Small Reduce Gear motor



## 一、型號說明 Description Of Model

GH — 28 — 400 — 30 — S — B — G1 — LB

1 2 3 4 5 6 7 8

- 1** GH 卧式安裝齒輪減速電機  
Horizontal Instation Gear Reducer Motor
- GV 立式安裝齒輪減速電機  
Vertical Installation Straight Gear Reducer Motor
- GHM 卧式安裝直接型齒輪減速機  
Horizontal Installation Straight Gear Reducer Motor
- GVM 立式安裝直接型齒輪減速機  
Vertical Installation Straigh Gear Reducer Motor
- GHD 卧式安裝雙軸型齒輪減速機  
Horizontal Installation Biax Gear Reducer Motor
- GVD 立式安裝雙軸型齒輪減速機  
Vertical Insatallation Biax Gear Reducer Motor
- 2** 出力軸/Output shaft: 18、22、28、32、40、50
- 3** 電機功率/MOTOR: 100W、200W.....3700W
- 4** 減速比/RATIO: 3、5、10、...1800
- 5** 電壓/VOLTAGE:  
S: 三相電壓220V、380/50、60HZ-3PHASE  
B: 單相電壓110V、220V/50、60HZ-1PHASE
- 6** B: DC90V斷電制車器 BRAKE UNIT  
YB: 手釋放制車器 WITH RELESASE BRAKE UNIT  
D:DC24V 送電制車器 DC24VBRAKE  
Q1: 110V強制風扇  
Q2: 220V強制風扇
- 7** 依出力軸看配合方向  
VIEW FROM OUTPUT SHAFT  
(請參照下表選擇)
- 8** 8、入線口方向 WIRE INLET  
(請參照下表選擇)

Type	G1-左方向 Left-side	G2-右方向 Right-side	G3-上方向 Upper-side	G4-下方向 Lower-side
GH型 GH Type				
	G1	G2	G3	G4
GV型 GV Type				
	G1	G2	G3	G4
入線口方向 Wire Inlet Direction				
	LD LT	RD RT	TL TR	DL DR
	LF LB	RF RB	TF TB	DF DB

備注: 除標準安裝方式外, 其餘安裝方式均需先告知本公司。  
Note: In Addition To The Standard Installation, The Other Installation Is Required Prior Notice Of The Company.

## 一、型號說明 Description Of Model

### 排氣孔方向 ( Air Hold Direction )

出廠標準安裝形式：standard installaion method

本公司出廠所以減速機適用如圖安裝形式。

All of our company's reducer can apply to the following kinds of installation method.

圖中Q1、Q4、Q7、Q8 中排氣孔方向為標準型。

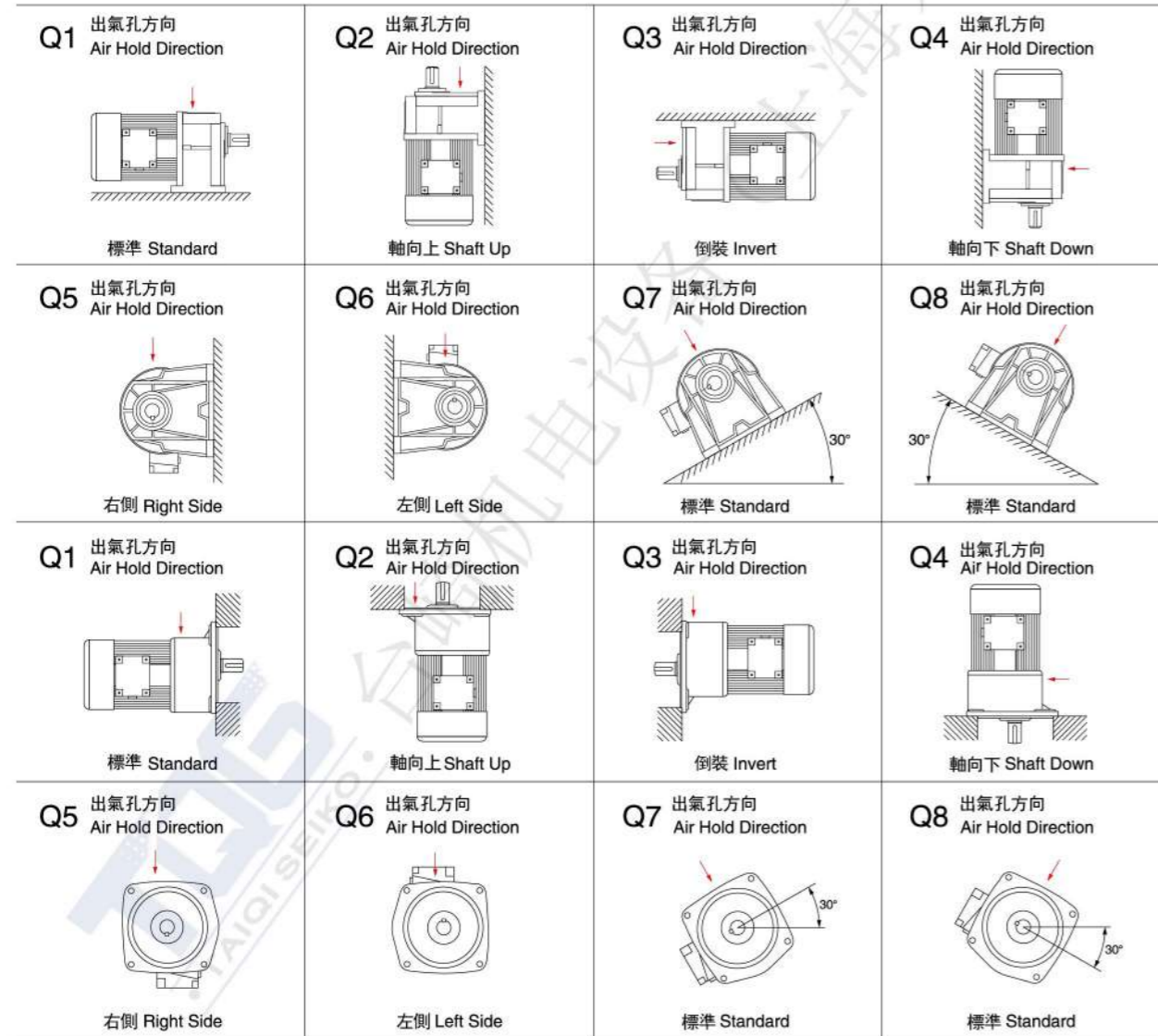
In the diagram, Q1, Q4, Q7, Q8 are our standard types of oil hole direction.

排氣孔在特殊位置的，請特別告知，本公司將修改排氣孔位置。

Please inform us if the location of oil hole is special, we will modify it.

實際使用時，建議將排氣塞的銷子拔出，以平衡減速機內壓力。

Please pull out the pin of the oil plug to reduce the pressure in the gearbox during running.



備注：

訂購變頻電機時，請說明變頻範圍，減速電機的使用範圍，減速電機的使用環境工作方式等。

帶剎車減速電機總長度需要增加10MM

For motors supplied by transducer please tell us detailed working modes and working ambient.

The total length of brake motors will be 10MMlonger than standard motors

## 技術資料 輸出扭矩 (Output Torque)

### 標準型 (Normal Duty Type)

Kg-m

減速比 Ratio	輸出轉速 Output R.P.M		輸出扭矩 Output Torque													
			0.1KW 1/8HP		0.2KW 1/4HP		0.4KW 1/2HP		0.75KW 1HP		1.5KW 2HP		2.2KW 3HP		3.7KW 5HP	
	Hz															
	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60
3	500	600	0.19	0.16	0.37	0.31	0.70	0.60	1.30	1.10	2.60	2.20	3.80	3.20	6.00	5.50
5	300	360	0.31	0.26	0.62	0.52	1.20	1.00	2.20	1.90	4.50	3.80	6.72	5.60	11.0	10.0
10	150	180	0.62	0.52	1.24	1.04	2.40	2.00	4.50	3.80	9.10	7.60	13.7	11.2	22.0	20.0
15	100	120	0.91	0.76	1.80	1.50	3.60	3.00	6.80	5.70	13.5	11.3	20.1	16.8	32.6	29.8
20	75	90	1.20	1.00	2.40	2.00	4.80	4.00	9.00	7.50	18.1	15.1	26.8	22.4	43.6	36.0
25	60	72	1.40	1.20	3.00	2.50	6.00	5.00	11.2	9.40	22.6	18.9	33.6	28.0	53.9	49.53
30	50	60	1.80	1.50	3.60	3.00	7.20	6.00	13.5	11.3	27.1	22.6	40.3	33.6	64.7	58.8
40	37	45	2.20	1.90	4.60	3.90	9.30	7.80	17.5	14.6	34.9	29.1	52.0	43.4	86.3	78.4
45	33	40	2.70	2.20	5.40	4.40	10.9	9.10	20.6	17.0	41.1	34.0	59.8	49.6	98.5	81.7
50	30	36	2.80	2.40	5.70	4.80	11.6	9.70	21.9	18.3	43.6	36.4	65.1	54.3	107	97.0
60	25	30	3.40	2.90	6.90	5.80	13.9	11.6	26.2	21.9	52.4	43.7	78.1	65.1	127	115
70	21	25	4.30	3.60	8.00	6.80	16.2	13.5	31.5	26.3	62.4	52.0	92.5	77.1		
80	19	23	4.80	4.00	9.20	7.70	18.4	15.4	35.5	29.6	70.8	59.0	105	87.5		
90	17	20	5.20	4.40	10.3	8.60	20.7	17.3	39.3	32.8	77.1	64.3	113	94.3		
100	15	18	5.80	4.90	11.5	9.60	23.0	19.2	43.2	36.0	83.7	69.8	126	105		
120	12	15	6.90	5.80	13.8	11.5	27.7	23.1	51.8	43.2	101	83.7				
140	11	13	8.00	6.70	16.0	13.4	32.0	26.7	59.7	49.8	116	96.8				
160	9	11	9.10	7.60	18.3	15.3	36.3	30.3	68.0	56.7	132	110				
180	8	10	10.3	8.60	20.7	17.3	40.8	34.0	76.8	64.0	148	123				
200	7	9	11.6	9.70	22.9	19.1	43.2	36.0	82.8	69.0						

### 出力軸懸垂荷重 (Overhang Load Of The Output Shaft)

Kg

減速比 Ratio	輸出轉速 Output R.P.M		輸出扭矩 Output Torque													
			0.1KW 1/8HP		0.2KW 1/4HP		0.4KW 1/2HP		0.75KW 1HP		1.5KW 2HP		2.2KW 3HP		3.7KW 5HP	
	Hz															
	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60
3	500	600	30	25	30	25	54	45	60	50	145	130	165	150	200	180
5	300	360	36	30	36	30	78	70	85	75	165	150	210	180	270	225
10	150	180	70	60	70	60	150	130	180	150	280	250	430	360	570	550
15	100	120	110	90	110	100	175	160	165	160	355	348	490	450	780	750
20	75	90	150	125	135	125	190	170	175	170	369	365	540	500	850	830
25	60	72	155	140	150	140	210	180	185	180	450	430	650	630	1100	1050
30	50	60	160	150	170	165	235	220	415	400	480	450	690	650	1200	1100
40	38	45	160	160	180	180	270	260	430	420	580	550	710	670	1280	1200
45	33	40	170	170	180	180	335	328	440	430	590	570	820	780	1300	1250
50	30	36	170	170	180	180	350	335	450	440	600	580	850	820	1400	1350
60	25	30	180	180	180	180	350	350	450	450	630	610	900	900	1400	1400
70	21	25	180	180	180	180	350	350	460	460	670	650	1100	1100		
80	18	22	180	180	180	180	350	350	460	460	680	680	1100	1100		
90	16	20	180	180	180	180	350	350	500	500	850	850	1200	1200		
100	15	18	200	200	250	250	380	380	590	590	900	900				
120	12	15	200	200	320	320	390	390	640	640	920	920				
140	11	13	200	200	320	320	400	400	679	679	920	920				
150	10	12	220	220	330	330	420	420	679	679	950	950				
160	9	11	220	220	330	330	420	420	700	700	920	950				
180	8	10	240	240	350	350	430	430	720	720	980	980				
200	7	9	240	240	350	350	430	430	720	720						
1/250~1/1800			300	300	480	480	720	720	1400	1400						

### 三、技術資料 Technical data

#### 1) 三相電壓全負載電流值 (3-Phase/4-Poles Full Load Ampere)

輸出馬力 Power	50Hz-4P					60Hz-4P				
	220V	380V	415V	440V	RPM	220V	380V	440V	460V	RPM
0.1KW 1/8HP	0.60	0.40	0.32	0.30	1410	0.6	0.40	0.30	0.29	1720
0.2KW 1/4HP	1.2	0.7	0.70	0.58	1410	1.1	0.63	0.55	0.52	1720
0.4KW 1/2HP	2.0	1.1	1.13	1.07	1420	1.9	1.10	0.95	0.91	1730
0.75KW 1HP	3.5	2.0	1.94	1.84	1420	3.4	1.96	1.70	1.63	1730
1.5KW 2HP	6.3	3.64	3.49	3.30	1430	6.1	3.53	3.05	2.92	1740
2.2KW 3HP	9.1	5.3	4.74	4.47	1430	8.7	5.04	4.35	4.16	1725
3.7KW 5HP	13.7	7.90	7.34	6.93	1440	13.5	7.82	6.75	6.46	1745

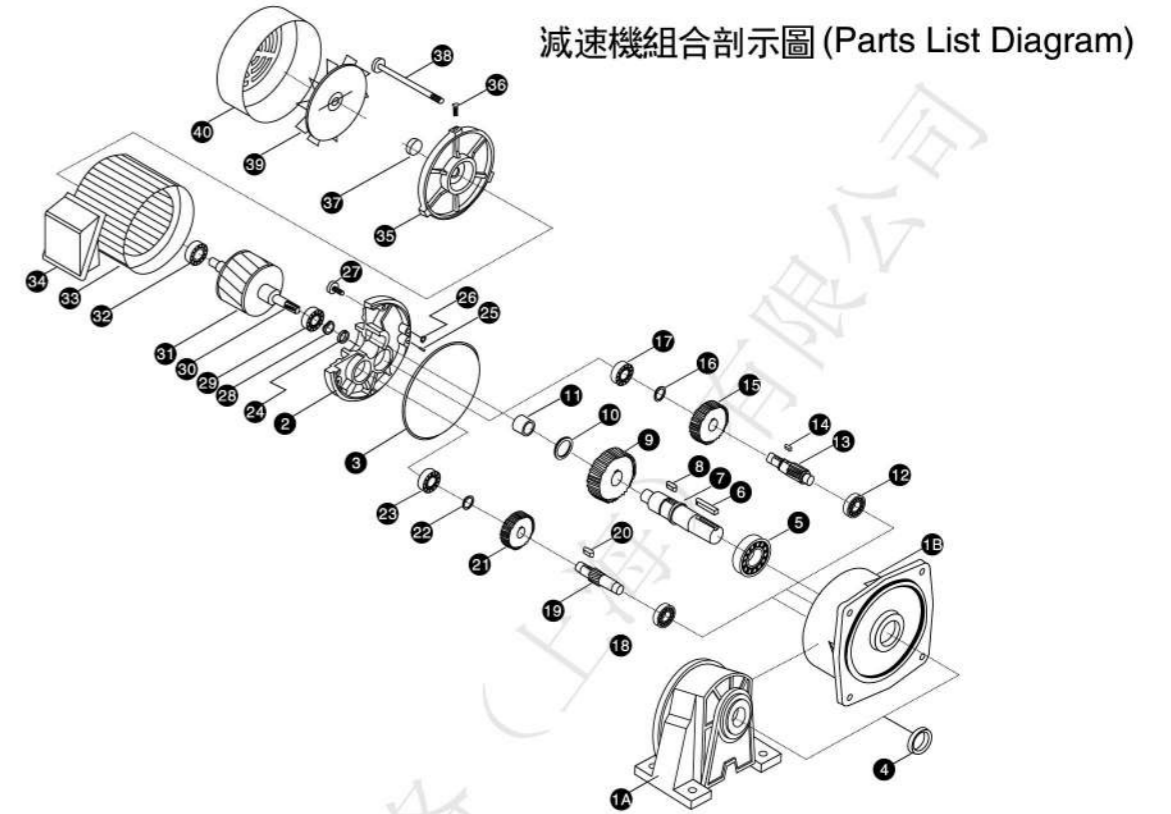
#### 2) 單相電壓全負載電流值 (1-Phase/4-Poles Full Load Ampere)

輸出馬力 Power	50Hz-4P			60Hz-4P		
	110V	220V	RPM	110V	220V	RPM
0.1KW 1/8HP	2.2	1.1	1410	2.2	1.1	1720
0.2KW 1/4HP	3.0	1.5	1410	2.8	1.5	1720
0.4KW 1/2HP	8.0	4.0	1420	7.8	3.9	1730
0.75KW 1HP	13.4	6.7	1420	12.9	6.4	1730
1.5KW 2HP	26.0	13.0	1430	23.5	11.7	1740

#### 3) 單相馬達電容器規格 (1-Phase Motor Capacitor)

輸出馬力		運轉電容	啟動電容
0.1KW	1/8HP	8 $\mu$ F-450V	-----
0.2KW	1/4HP	12 $\mu$ F-450V	-----
0.4KW	1/2HP	20 $\mu$ F-450V	100 $\mu$ F-250V
0.75KW	1HP	20 $\mu$ F-450V	200 $\mu$ F-250V
1.5KW	2HP	50 $\mu$ F-450V	400 $\mu$ F-250V

### 四、零件剖面圖 Parts Section



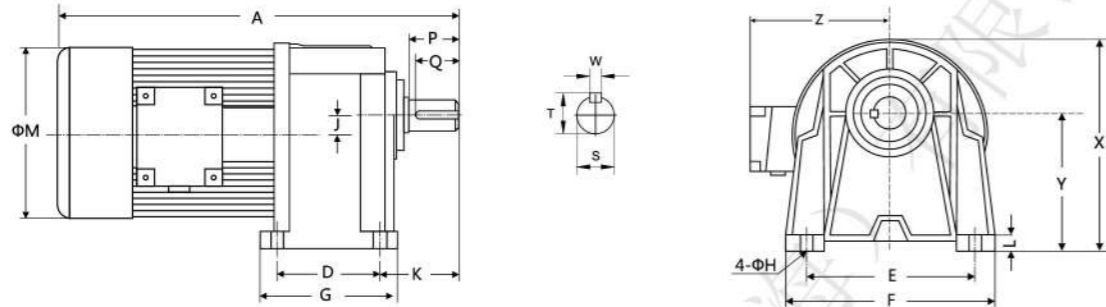
減速機組合剖示圖 (Parts List Diagram)

2段/3段式結構剖示圖 2stages/3stages Section Diagram					
項次	零件名稱	項次	零件名稱	項次	零件名稱
1A	卧式本體 Horizontal Housing	14	三段小齒軸鍵 Key-3rd Stage Pinion	28	波浪彈簧 Wave Spring
1B	立式本體 Vertical Housing	15	二段大齒輪 Gear-2nd Stage	29	馬達軸培林 Bearing-motor Shaft
2	馬達前蓋 Housing Cover	16	C-扣環 Shapring	30	馬達齒軸 Motor Shaft
3	O-型環 O-Ring	17	三段齒軸培林 Bearing-3rd Stage	31	轉子 Rotor
4	出力軸油封 Oilseal-output Shaft	18	二段齒軸培林 Bearing-2nd Stage Pinion	32	馬達軸培林 Bearing-motor Shaft
5	出力軸軸承 Bearing-output Shaft	19	二段小齒輪 Pinion-2nd Stage	33	線圈總成 Coil Assembly
6	出力軸鍵 Key-output Shaft	20	二段小齒軸鍵 Key-2nd Stagepinion	34	鋁接線盒 Wirebox
7	出力軸 Output Shaft	21	一段大齒輪 Gear-1st Stage	35	馬達后蓋 Rearcover-motor
8	三段小齒軸鍵 Key-3rd Pinion	22	C-扣環 Shapring	36	風罩螺絲 Screw-fancover
9	三段大齒輪 Gear-3rd Stage	23	二段齒軸培林 Bearing-2nd Stage Pinion	37	后蓋油封 Oilseal-rearcover
10	C-扣環 Shapring	24	入力側油封 Oilseal-motor Shaft	38	馬達螺栓 Bolt-motor
11	出力軸自潤軸承 Oilless Bearing	25	定位銷 Pin	39	風葉 Fan
12	二段齒軸培林 Bearing-2nd Stage Pinion	26	O-型環 O-Ring	40	風罩 Fancover-motor
13	三段小齒輪 Pinion-3rd Stage	27	內六角螺絲 Hex-head Screw		

## 二、尺寸表 Size table

### GH 卧式三相標準型 (刹車) 減速馬達

### GH Horizontal Type Palte 3-Phase(Brake) Motor



GH 卧式 標準型

出力軸尺寸 Output Shaft						
出力軸 Shaft		鍵槽 Keyway			鍵 Key	
S	h6	P	W	T	Q	SPEC'
Φ18		30	5	20	25	5×5×25
Φ22		40	7	25	35	7×7×35
Φ28		45	7	31	40	7×7×40
Φ32		55	10	35	50	10×8×50
Φ40		65	10	43	60	10×8×60
Φ50		80	14	53.5	75	14×9×75

### 安裝尺寸 (Dimensions)

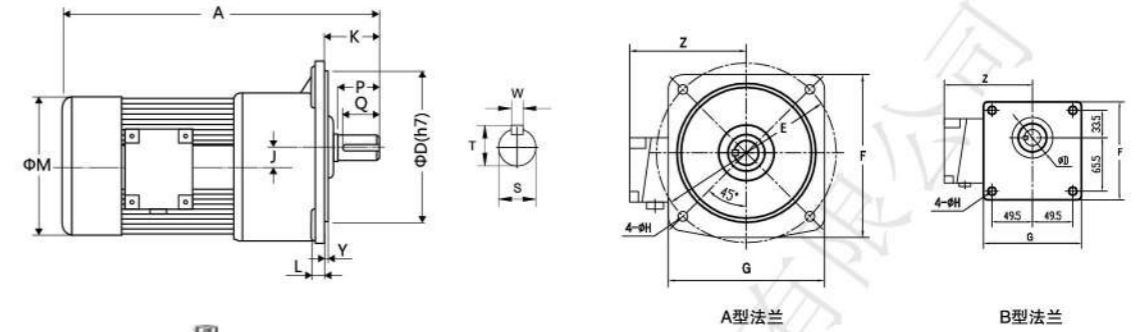
單位 mm

馬力 Power	減速比 Ratio	本體 Code	型番 Size(S)	A	D	E	F	G	H	J	K	L	M	X	Y	Z
0.1KW 1/8HP	3-50	1#	18	255	40	110	135	65	9	16	50	14	130	132	88.5	120
	60-200	2#	22	285	65	130	158	90	11	18.17	60	13	130	152	97.5	120
0.2KW 1/4HP	3-10	1#	18	290	40	110	135	65	9	16	50	14	130	132	88.5	120
	15-90	2#	22	320	65	130	158	90	11	18.17	60	13	130	152	97.5	120
	100-200	3#	28	355	90	140	178	120	11	20.8	70	17	130	178	116	120
0.4KW 1/2HP	3-10	2#	22	325	65	130	158	90	11	18.17	60	13	162	152	97.5	135
	15-90	3#	28	360	90	140	178	120	11	20.8	70	17	162	178	116	135
	100-200	4#	32	395	130	170	200	168	13	30.2	70	18	162	215	138.5	135
0.75KW 1HP	3-25	3#	28	380	90	140	178	120	11	20.8	70	17	162	178	116	135
	30-120	4#	32	415	130	170	200	168	13	30.2	70	18	162	215	138.5	135
	125-200	5#	40	465	150	210	265	205	15	36	84	24	162	300	160	135
1.5KW 2HP	3-30	4#	32	445	130	170	200	168	13	30.2	70	18	182	215	138.5	145
	40-100	5#	40	490	150	210	265	205	15	36	84	24	182	300	160	145
	110-180	6#	50	530	170	265	310	230	18	51	122	30	182	350	200	145
2.2KW 3HP	3-40	5#	40	525	150	210	265	205	15	36	84	24	212	300	160	160
	50-90	6#	50	560	170	265	310	230	18	51	122	30	212	350	200	160
3.7KW 5HP	3-10	5#	40	565	150	210	265	205	15	36	84	24	212	300	160	160
	15-60	6#	50	600	170	265	310	230	18	51	122	30	212	350	200	160

## 二、尺寸表 Size table

### GV 立式三相標準型 (刹車) 減速馬達

### GV Vertical Type Palte 3-Phase(Brake) Motor



GV 立式 標準型

出力軸尺寸 Output Shaft						
出力軸 Shaft		鍵槽 Keyway			鍵 Key	
S	h6	P	W	T	Q	SPEC'
Φ18		30	5	20	25	5×5×25
Φ22		40	7	25	35	7×7×35
Φ28		45	7	31	40	7×7×40
Φ32		55	10	35	50	10×8×50
Φ40		65	10	43	60	10×8×60
Φ50		80	14	53.5	75	14×9×75

### 安裝尺寸 (Dimensions)

單位 mm

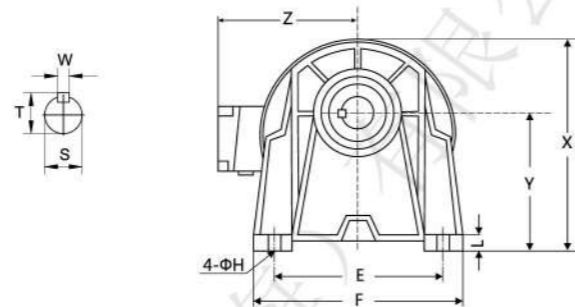
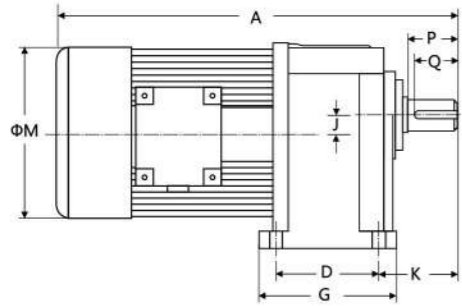
馬力 Power	減速比 Ratio	本體 Code	型番 Size(S)	A	D	E	F	G	H	J	K	L	M	Y	Z
0.1KW 1/8HP	3-50	1#	*18	255	50	140	120	120	9	16	39	10	129	6	120
	60-200	2#	22	285	148	185	176	165	11	18.17	45	12	129	3.5	120
0.2KW 1/4HP	3-10	1#	*18	290	50	140	120	120	9	16	39	10	129	6	120
	15-90	2#	22	320	148	185	176	165	11	18.17	45	12	129	3.5	120
	100-200	3#	28	355	170	220	218	200	12	20.8	58	14	129	4	120
0.4KW 1/2HP	3-10	2#	22	325	148	185	176	165	11	18.17	45	12	162	3.5	135
	15-90	3#	28	360	170	220	218	200	12	20.8	58	14	162	4	135
	100-200	4#	32	395	185	255	248	225	15	30.2	66	16	162	4	135
0.75KW 1HP	3-25	3#	28	380	170	220	218	200	12	20.8	58	14	162	4	135
	30-120	4#	32	415	185	255	248	225	15	30.2	66	16	162	4	135
	125-200	5#	40	465	230	310	290	268	15	36	85	20	162	5	145
1.5KW 2HP	3-30	4#	32	445	185	255	248	225	15	30.2	66	16	182	4	145
	40-100	5#	40	490	230	310	290	268	15	36	85	20	182	5	145
	110-180	6#	50	530	280	390	365	335	18	51	92	25	182	5	145
2.2KW 3HP	3-40	5#	40	525	230	310	290	268	15	36	85	20	212	5	160
	50-90	6#	50	560	280	390	365	335	18	51	92	25	212	5	160
3.7KW 5HP	3-10	5#	40	565	230	310	290	268	15	36	85	20	212	5	160
	15-60	6#	50	600	280	390	365	335	18	51	92	25	212	5	160

備注: \*屬於B型法蘭 (BELONG TO B TYPE OUTPUT FLANGE)

## 二、尺寸表 Size table

### GH卧式三相縮框型（剎車）減速馬達

### GH Horizontal Type Light Duty Palte 3-Phase(Brake) Motor



GH 卧式 縮框型

出力軸尺寸 Output Shaft						
Shaft		Keyway			Key	
S	h6	P	W	T	Q	SPEC'
Φ18		30	5	20	25	5×5×25
Φ22		40	7	25	35	7×7×35
Φ28		45	7	31	40	7×7×40
Φ32		55	10	35	50	10×8×50
Φ40		65	10	43	60	10×8×60

### 安裝尺寸 (Dimensions)

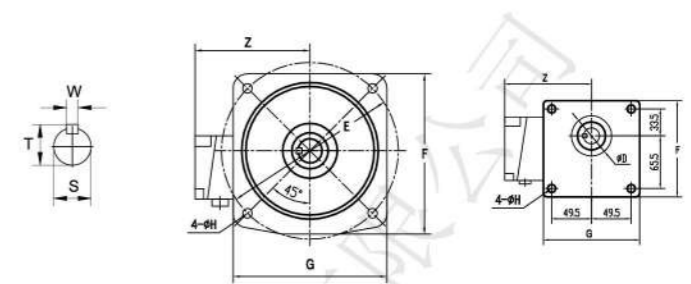
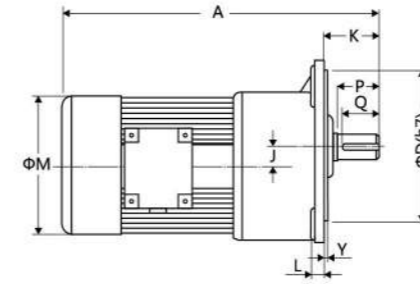
單位 mm

馬力 Power	減速比 Ratio	本體 Code	型番 Size	A	D	E	F	G	H	J	K	L	M	X	Y	Z
0.1KW 1/8HP	60-100	1#	18	255	40	110	135	65	9	16	50	14	129	132	88.5	120
0.2KW 1/4HP	15-90	1#	18	290	40	110	135	65	9	16	50	14	129	132	88.5	120
	100-200	2#	22	320	65	130	158	90	11	18.17	60	13	129	132	97.5	120
0.4KW 1/2HP	15-90	2#	22	325	65	130	158	90	11	18.17	60	13	162	152	97.5	135
	100-165	3#	28	360	90	140	178	120	11	20.8	70	17	162	178	116	135
0.75KW 1HP	3-25	2#	22	345	65	130	158	90	11	18.17	60	13	162	152	97.5	135
	30-120	3#	28	380	90	140	178	120	11	20.8	70	17	162	178	116	135
	125-150	4#	32	415	130	170	200	168	13	30.2	70	18	162	215	138.5	135
1.5KW 2HP	3-30	3#	28	385	90	140	178	120	11	20.8	70	17	182	178	116	135
	40-100	4#	32	445	130	170	200	168	13	30.2	70	18	182	215	138.5	145
	110-150	5#	40	490	150	210	265	205	15	36	84	24	182	300	160	145
2.2KW 3HP	50-80	5#	40	525	150	210	265	205	15	36	84	24	212	300	160	160
3.7KW 5HP	15-60	5#	40	565	150	210	265	205	15	36	84	24	212	300	160	160

## 二、尺寸表 Size table

### GV立式三相縮框型（剎車）減速馬達

### GV Vertical Type Light Duty Palte 3-Phase(Brake) Motor



GV 立式 縮框型

出力軸尺寸 Output Shaft						
出力軸 Shaft		鍵槽 Keyway			鍵 Key	
S	h6	P	W	T	Q	SPEC'
Φ18		30	5	20	25	5×5×25
Φ22		40	7	25	35	7×7×35
Φ28		45	7	31	40	7×7×40
Φ32		55	10	35	50	10×8×50
Φ40		65	10	43	60	10×8×60

### 安裝尺寸 (Dimensions)

單位：mm

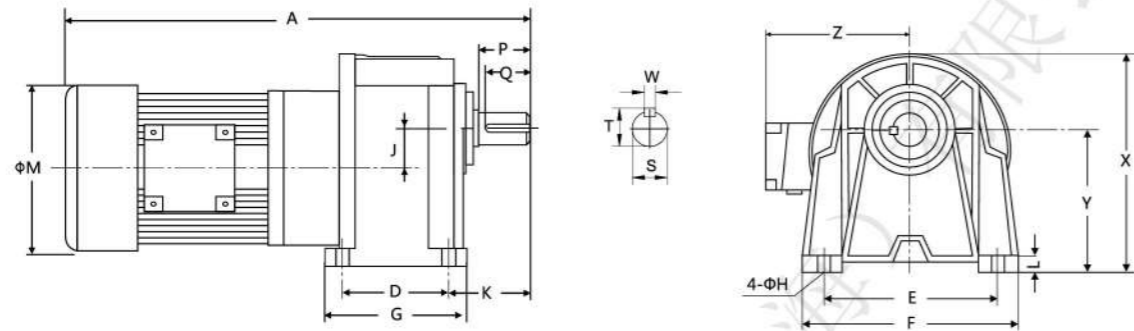
馬力 Power	減速比 Ratio	本體 Code	型番 Size(S)	A	D	E	F	G	H	J	K	L	M	Y	Z
0.1KW 1/8HP	60-100	1#	*18	255	50	140	120	120	9	16	38	10	129	6	120
0.2KW 1/4HP	15-90	1#	*18	290	50	140	120	120	9	16	38	10	129	6	120
	100-200	1#	22	320	148	185	176	165	11	18.17	45	12	129	3.5	120
0.4KW 1/2HP	15-90	2#	22	325	148	185	176	165	11	18.17	45	12	162	3.5	135
	100-165	3#	28	360	170	220	218	200	12	20.8	58	14	162	4	135
0.75KW 1HP	3-25	2#	22	345	148	185	176	165	11	18.17	45	12	162	3.5	135
	30-120	3#	28	380	170	220	218	200	12	20.8	58	14	162	4	135
	125-150	4#	32	415	185	255	248	225	15	30.2	66	16	162	4	135
1.5KW 2HP	3-30	3#	28	385	170	220	218	200	12	20.8	58	14	182	4	135
	40-100	4#	32	445	185	255	248	225	15	30.2	66	16	182	4	145
	110-150	5#	40	490	230	310	290	268	15	36	85	20	182	5	145
2.2KW 3HP	50-80	5#	40	525	230	310	290	268	15	36	85	20	212	5	160
3.7KW 5HP	15-60	5#	40	565	230	310	290	268	15	36	85	20	212	5	160

備注：\*屬於B型法蘭 (BELONG TO B TYPE OUTPUT FLANGE)

## 二、尺寸表 Size table

### GH 卧式三相高速比標準型（剎車）減速馬達

### GH Horizontal Type High Ratio Type Palte 3-Phase(Brake) Motor



GH 卧式 高速比

出力軸尺寸 Output Shaft						
出力軸 Shaft		鍵槽 Keyway			鍵 Key	
S	h6	P	W	T	Q	SPEC'
Φ28		45	7	31	40	7×7×40
Φ32		55	10	35	50	10×8×50
Φ40		65	10	43	60	10×8×60
Φ50		80	14	53.5	75	14×9×75

### 安裝尺寸 (Dimensions)

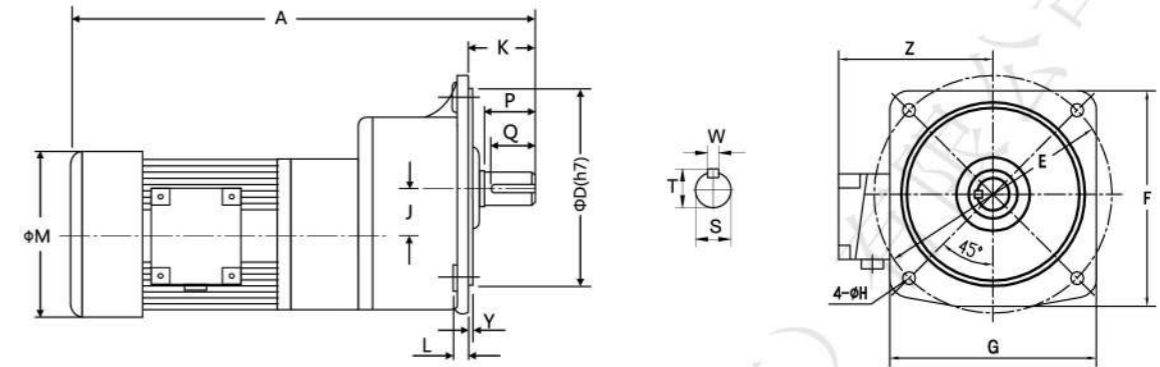
單位：mm

馬力 Power	減速比 Ratio	本體 Code	型番 Size(S)	A	D	E	F	G	H	J	K	L	M	X	Y	Z
0.1KW 1/8HP	250-1800	1#+3#	28	380	90	140	178	120	11	36.8	68	17	129	178	116	120
0.2KW 1/4HP	250-1800	2#+4#	32	470	130	170	215	165	13	48.4	70	18	129	216	138.5	120
0.4KW 1/2HP	250-1800	3#+5#	40	540	150	210	265	205	15	56.2	85	24	162	250	160	135
0.75KW 1HP	250-1800	4#+6#	50	620	170	265	335	230	18	81.2	120	30	162	306	200	135
1.5KW 2HP	250-1800	4#+6#	50	650	170	265	335	230	18	81.2	120	30	182	306	200	145

## 二、尺寸表 Size table

### GV 立式三相高速比標準型（剎車）減速馬達

### GV Vertical Type High Ratio Type Palte 3-Phase(Brake) Motor



GV 立式 高速比

出力軸尺寸 Output Shaft						
出力軸 Shaft		鍵槽 Keyway			鍵 Key	
S	h6	P	W	T	Q	SPEC'
Φ28		45	7	31	40	7×7×40
Φ32		55	10	35	50	10×8×50
Φ40		65	10	43	60	10×8×60
Φ50		80	14	53.5	75	14×9×75

### 安裝尺寸 (Dimensions)

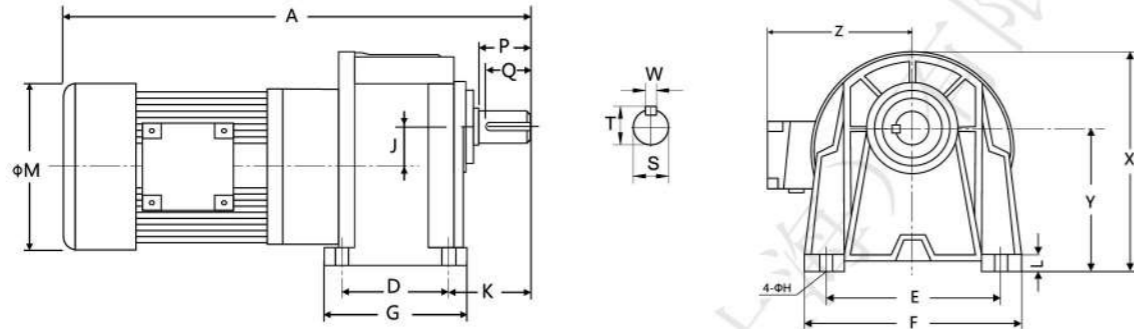
單位：mm

馬力 Power	減速比 Ratio	本體 Code	型番 Size(S)	A	D	E	F	G	H	J	K	L	M	Y	Z
0.1KW 1/8HP	250-1800	1#+3#	28	380	170	220	218	195	12	36.8	58	13	129	3	120
0.2KW 1/4HP	250-1800	2#+4#	32	470	185	255	248	225	15	48.4	65	16	129	3	120
0.4KW 1/2HP	250-1800	3#+5#	40	540	230	310	290	268	15	56.2	85	20	162	5	135
0.75KW 1HP	280-1800	4#+6#	50	620	280	390	369	335	18	81.2	92	25	162	5	135
1.5KW 2HP	250-1800	4#+6#	50	650	280	390	369	335	18	81.2	92	25	182	5	145

## 二、尺寸表 Size table

### GH 卧式三相高速比縮框型 (刹車) 減速馬達

GH Horizontal Type High Ratio Type Light Duty Palte 3-Phase(Brake) Motor



GH 卧式 高速比縮框型

出力軸尺寸 Output Shaft						
出力軸 Shaft		鍵槽 Keyway			鍵 Key	
S	h6	P	W	T	Q	SPEC'
Φ22		40	7	25	35	7×7×35
Φ28		45	7	31	40	7×7×40
Φ32		55	10	35	50	10×8×50
Φ40		65	10	43	60	10×8×60

### 安裝尺寸 (Dimensions)

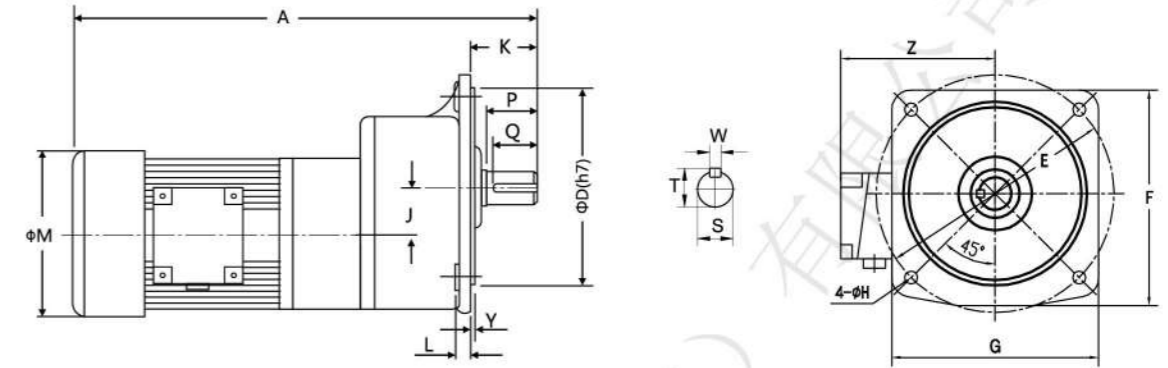
單位: mm

馬力 Power	減速比 Ratio	本體 Code	型番 Size(S)	A	D	E	F	G	H	J	K	L	M	X	Y	Z
0.1KW 1/8HP	250-1800	1#+2#	22	355	65	130	158	90	11	34.2	60	13	129	152	97.5	120
0.2KW 1/4HP	250-1800	1#+3#	28	380	90	140	178	120	11	36.8	70	17	129	178	116	120
0.4KW 1/2HP	250-1800	2#+4#	32	475	130	170	200	168	13	48.4	70	18	162	215	138.5	135
0.75KW 1HP	250-1800	3#+5#	40	560	150	210	265	205	15	56.2	84	24	162	300	160	135

## 二、尺寸表 Size table

### GV 立式三相高速比縮框型 (刹車) 減速馬達

GV Vertical Type High Ratio Type Light Duty Palte 3-Phase(Brake) Motor



GV 立式 高速比縮框型

出力軸尺寸 Output Shaft						
出力軸 Shaft		鍵槽 Keyway			鍵 Key	
S	h6	P	W	T	Q	SPEC'
Φ22		40	7	25	35	7×7×35
Φ28		45	7	31	40	7×7×40
Φ32		55	10	35	50	10×8×50
Φ40		65	10	43	60	10×8×60

### 安裝尺寸 (Dimensions)

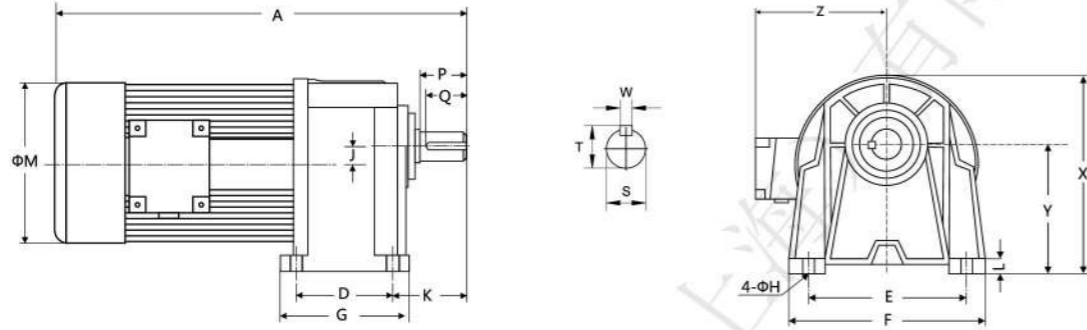
單位: mm

馬力 Power	減速比 Ratio	本體 Code	型番 Size(S)	A	D	E	F	G	H	J	K	L	M	Y	Z
0.1KW 1/8HP	250-1800	1#+2#	22	355	148	185	176	165	11	34.2	45	12	129	3.5	120
0.2KW 1/4HP	250-1800	1#+3#	28	380	170	220	218	195	12	36.8	58	14	129	4	120
0.4KW 1/2HP	250-1800	2#+4#	32	475	185	255	248	225	15	48.4	66	16	162	4	135
0.75KW 1HP	280-1800	3#+5#	40	560	230	310	290	268	15	56.2	85	20	162	5	135



## 二、尺寸表 Size table

GH 卧式单相标准型 (刹车) 减速马达  
GH Horizontal Type Palte 1-Phase(Brake) Motor



GH 卧式 单相

出力轴尺寸 Output Shaft						
出力轴 Shaft		键槽 Keyway			键 Key	
S	h6	P	W	T	Q	SPEC'
Φ18		30	5	20	25	5×5×25
Φ22		40	7	25	35	7×7×35
Φ28		45	7	31	40	7×7×40
Φ32		55	10	35	50	10×8×50
Φ40		65	10	43	60	10×8×60
Φ50		80	14	53.5	75	14×9×75

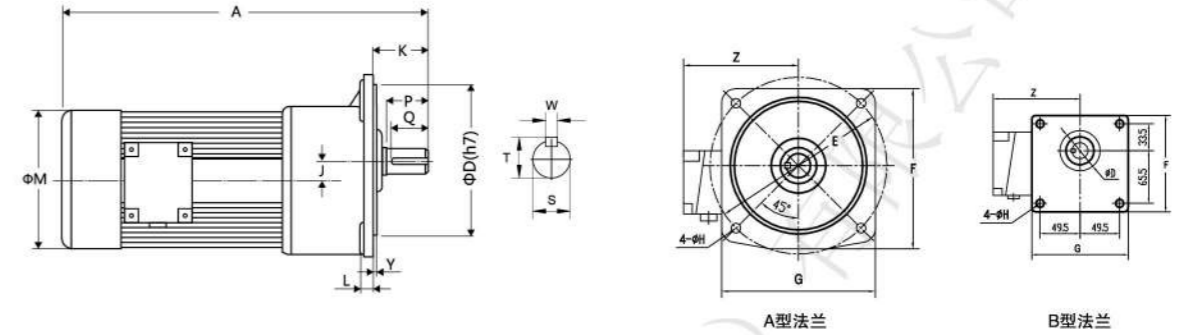
## 安装尺寸 (Dimensions)

单位 mm

馬力 Power	減速比 Ratio	本體 Code	型番 Size(S)	A	D	E	F	G	H	J	K	L	M	X	Y	Z
0.1KW 1/8HP	3-50	1#	18	290	40	110	135	65	9	16	50	14	129	132	88.5	120
	60-200	2#	22	320	65	130	158	90	11	18.17	60	13	129	152	97.5	120
0.2KW 1/4HP	3-10	1#	18	290	40	110	135	65	9	16	50	14	129	132	88.5	120
	15-90	2#	22	320	65	130	158	90	11	18.17	60	13	129	152	97.5	120
	100-200	3#	28	350	90	140	178	120	11	20.8	70	17	129	178	116	120
0.4KW 1/2HP	3-10	2#	22	325	65	130	158	90	11	18.17	60	13	162	200	97.5	142
	15-90	3#	28	390	90	140	178	120	11	20.8	70	17	162	225	116	142
	100-200	4#	32	425	130	170	200	168	13	30.2	70	18	162	230	138.5	142
0.75KW 1HP	3-25	3#	28	380	90	140	178	120	11	20.8	70	17	162	225	116	142
	30-120	4#	32	415	130	170	200	168	13	30.2	70	18	162	230	138.5	142
	125-200	5#	40	480	150	210	265	205	15	36	84	24	162	300	160	142
1.5KW 2HP	3-30	4#	32	475	130	170	200	168	13	30.2	70	18	182	240	138.5	145
	40-100	5#	40	520	150	210	265	205	15	36	84	24	182	300	160	145
	105-120	6#	50	560	170	265	310	230	18	51	122	30	182	350	200	145

## 二、尺寸表 Size table

GV 立式单相标准型 (刹车) 减速马达  
GV Vertical Type Palte 1-Phase(Brake) Motor



GV 立式 单相

出力轴尺寸 Output Shaft						
出力轴 Shaft		键槽 Keyway			键 Key	
S	h6	P	W	T	Q	SPEC'
Φ18		30	5	20	25	5×5×25
Φ22		40	7	25	35	7×7×35
Φ28		45	7	31	40	7×7×40
Φ32		55	10	35	50	10×8×50
Φ40		65	10	43	60	10×8×60
Φ50		80	14	53.5	75	14×9×75

## 安装尺寸 (Dimensions)

单位 mm

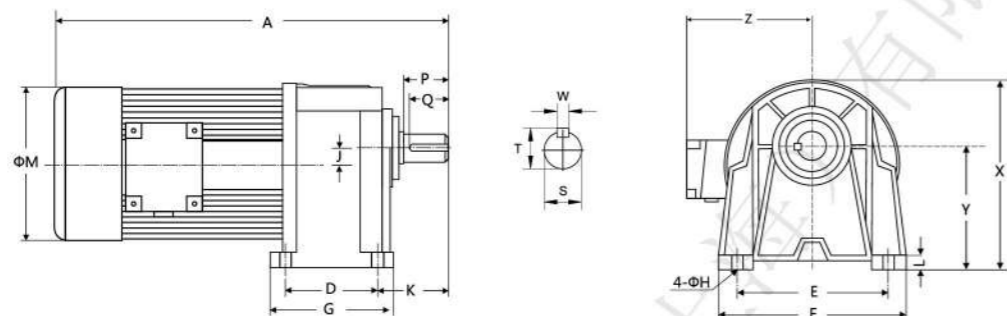
馬力 Power	減速比 Ratio	本體 Code	型番 Size(S)	A	D	E	F	G	H	J	K	L	M	Y	Z
0.1KW 1/8HP	3-50	1#	*18	290	50	140	120	120	9	16	39	10	129	6	120
	60-200	2#	22	320	148	185	176	165	11	18.17	45	12	129	3.5	120
0.2KW 1/4HP	3-10	1#	*18	290	50	140	120	120	9	16	39	10	129	6	120
	15-90	2#	22	320	148	185	176	165	11	18.17	45	12	129	3.5	120
	100-200	3#	28	350	170	220	218	200	12	20.8	58	14	129	4	120
0.4KW 1/2HP	3-10	2#	22	355	148	185	176	165	11	18.17	45	12	162	3.5	142
	15-90	3#	28	390	170	220	218	200	12	20.8	58	14	162	4	142
	100-200	4#	32	435	185	255	248	225	15	30.2	66	16	162	4	142
0.75KW 1HP	3-25	3#	28	380	170	220	218	200	12	20.8	58	14	162	4	142
	30-120	4#	32	435	185	255	248	225	15	30.2	66	16	162	4	142
	125-200	5#	40	480	230	310	290	268	15	36	85	20	162	5	142
1.5KW 2HP	3-30	4#	32	475	185	255	248	225	15	30.2	66	16	182	4	145
	40-100	5#	40	520	230	310	290	268	15	36	85	20	182	5	145
	105-120	6#	50	560	280	390	365	335	18	51	92	25	182	5	145

备注: \*属于B型法蘭 (BELONG TO B TYPE OUTPUT FLANGE)

## 二、尺寸表 Size table

### GH 卧式单相缩框型 (刹车) 减速马达

### GH Horizontal Type Light Duty Palte 1-Phase(Brake) Motor



GH 卧式 单相缩框型

出力轴尺寸 Output Shaft						
出力轴 Shaft		键槽 Keyway			键 Key	
S	h6	P	W	T	Q	SPEC'
Φ18		30	5	20	25	5×5×25
Φ22		40	7	25	35	7×7×35
Φ28		45	7	31	40	7×7×40
Φ32		55	10	35	50	10×8×50

### 安装尺寸 (Dimensions)

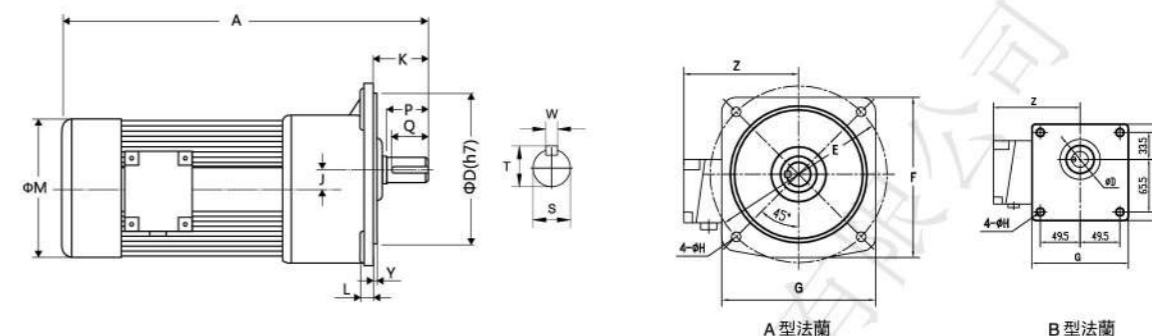
单位 mm

馬力 Power	減速比 Ratio	本體 Code	型番 Size	A	D	E	F	G	H	J	K	L	M	X	Y	Z
0.1KW 1/8HP	60-100	1#	18	290	40	110	135	65	9	16	50	14	129	132	88.5	120
0.2KW 1/4HP	15-90	1#	18	290	40	110	135	65	9	16	50	14	129	132	88.5	120
	100-200	2#	22	320	65	130	158	90	11	18.17	60	13	129	152	97.5	120
0.4KW 1/2HP	15-90	2#	22	355	65	130	158	90	11	18.17	60	13	162	200	97.5	142
	100-165	3#	28	390	90	140	178	120	11	20.8	70	17	162	225	116	142
0.75W 1HP	3-25	2#	22	345	65	130	158	90	11	18.17	60	13	162	200	97.5	142
	30-120	3#	28	380	90	140	178	120	11	20.8	70	17	162	225	116	142
	125-150	4#	32	435	130	170	200	168	13	30.2	70	18	162	240	138.5	142
1.5KW 2HP	3-30	3#	28	435	90	140	178	120	11	20.8	70	17	182	230	116	145
	40-100	4#	32	475	130	170	200	168	13	30.2	70	18	162	240	138.5	145

## 二、尺寸表 Size table

### GV 立式单相缩框型 (刹车) 减速马达

### GV Vertical Type High Ratio Light Duty Palte 1-Phase(Brake) Motor



GV 立式 单相缩框型

出力轴尺寸 Output Shaft						
出力轴 Shaft		键槽 Keyway			键 Key	
S	h6	P	W	T	Q	SPEC'
Φ18		30	5	20	25	5×5×25
Φ22		40	7	25	35	7×7×35
Φ28		45	7	31	40	7×7×40
Φ32		55	10	35	50	10×8×50

### 安装尺寸 (Dimensions)

单位 mm

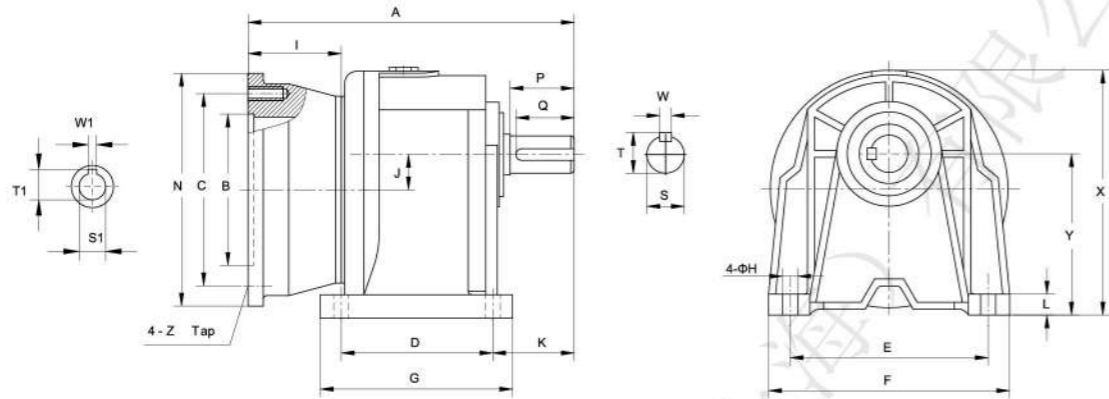
馬力 Power	減速比 Ratio	本體 Code	型番 Size(S)	A	D	E	F	G	H	J	K	L	M	Y	Z
0.1KW 1/8HP	60-100	1#	*18	290	50	140	120	120	9	16	38	10	129	6	120
0.2KW 1/4HP	15-90	1#	*18	290	50	140	120	120	9	16	38	10	129	6	120
	100-200	2#	22	320	148	185	176	165	11	18.17	45	12	129	3.5	120
0.4KW 1/2HP	15-90	2#	22	355	148	185	176	165	11	18.17	45	12	162	3.5	142
	100-165	3#	28	390	170	220	218	200	12	20.8	58	14	162	4	142
0.75KW 1HP	3-25	2#	22	345	148	185	176	165	11	18.17	45	12	162	3.5	142
	30-120	3#	28	380	170	220	218	200	12	20.8	58	14	162	4	142
	125-150	4#	32	435	185	255	248	225	15	30.2	66	16	162	4	142
1.5KW 2HP	3-30	3#	28	435	170	220	218	200	12	20.8	58	14	182	4	145
	40-100	4#	32	475	185	220	218	200	15	20.8	58	16	182	4	145

备注: \*属于B型法蘭(BELONG TO B TYPE OUTPUT FLANGE)

## 二、尺寸表 Size table

### GHM 卧式入力法蘭齒輪減速機

### GHM Horizontal Type Flange Type Reducer Without Motor



GHM 卧式 入力法蘭

入力孔尺寸 Input Bore				
馬力 Power	入力孔 Bore		鍵槽 Keyway	
	S1	F7	W1	T1
0.2KW	Φ11		4	12.8
0.4KW	Φ14		5	16.3
0.75KW	Φ19		6	21.8
1.5KW	Φ24		8	27.3
2.2KW	Φ28		8	31.3
3.7KW	Φ28		8	31.3

出力軸尺寸 Output Shaft						
出力軸 Shaft		鍵槽 Keyway			鍵 Key	
S	h6	P	W	T	Q	SPEC'
Φ18		30	5	20	25	5×5×25
Φ22		40	7	25	35	7×7×35
Φ28		45	7	31	40	7×7×40
Φ32		55	10	35	50	10×8×50
Φ40		65	10	43	60	10×8×60
Φ50		80	14	53.5	75	14×9×75

### 安裝尺寸 (Dimensions)

單位 mm

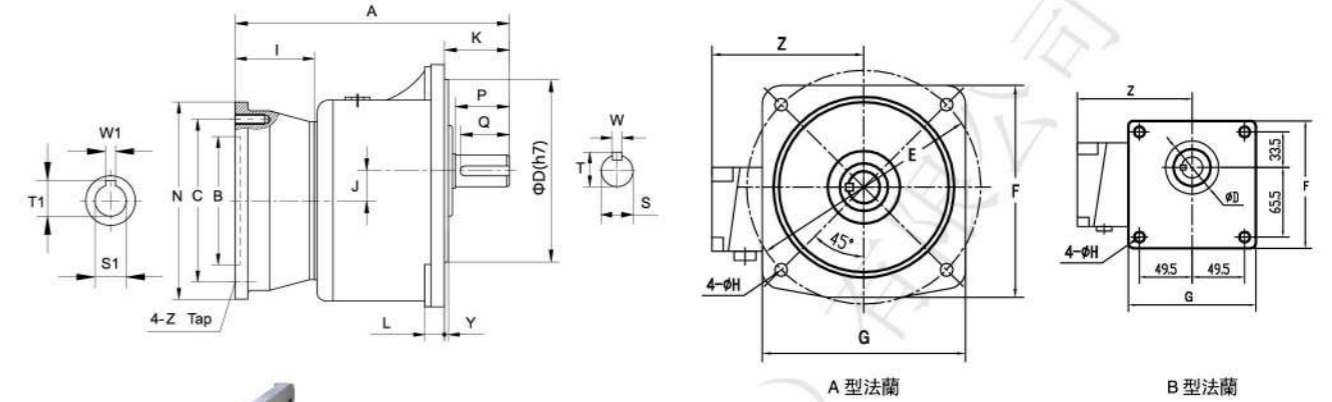
馬力 Power	減速比 Ratio	型番 Size(S)	A	B	C	D	E	F	G	H	I	J	K	L	N	X	Y	Z
0.2KW 1/4HP	3-10	*18#	160	110	130	40	110	135	65	9	55	16	50	14	160	132	88.5	M8
	15-90	22#	190	110	130	65	130	158	90	11	55	18.17	60	13	160	152	97.5	M8
	100-200	28#	220	110	130	90	140	178	120	11	55	20.8	70	17	160	178	116	M8
0.4KW 1/2HP	3-10	22#	190	110	130	65	130	158	90	11	55	18.17	60	13	160	152	97.5	M8
	15-90	28#	220	110	130	90	140	178	120	11	55	20.8	70	17	160	178	116	M8
0.75KW 1HP	3-25	28#	245	130	165	90	140	178	120	11	80	20.8	70	17	200	178	116	M10
	30-120	32#	285	130	165	130	170	200	168	13	80	30.2	70	18	200	215	138.5	M10
1.5KW 2HP	3-30	32#	285	130	165	130	170	200	168	13	80	30.2	70	18	200	215	138.5	M10
	40-100	40#	330	130	165	150	210	265	205	15	80	36	84	24	200	300	160	M10
2.2KW 3HP	3-40	40#	355	180	215	150	210	265	205	15	105	36	84	24	250	300	160	M12
	50-90	50#	395	180	215	170	265	310	230	18	105	51	122	30	250	350	200	M12
3.7KW 5HP	3-10	40#	355	180	215	150	210	265	205	15	105	36	84	24	250	300	160	M12
	15-60	50#	395	180	215	170	265	310	230	18	105	51	122	30	250	350	200	M12

備注: 1.配合IEC馬達為主。AVAILABLE FOR IEC METRIC MOTOR.

## 二、尺寸表 Size table

### GVM 立式入力法蘭齒輪減速機

### GVM Vertical Type Flange Type Reducer Without Motor



GVM 立式 入力法蘭

入力孔尺寸 Input Bore				
馬力 Power	入力孔 Bore		鍵槽 Keyway	
	S1	F7	W1	T1
0.2KW	Φ11		4	12.8
0.4KW	Φ14		5	16.3
0.75KW	Φ19		6	21.8
1.5KW	Φ24		8	27.3
2.2KW	Φ28		8	31.3
3.7KW	Φ28		8	31.3

出力軸尺寸 Output Shaft						
出力軸 Shaft		鍵槽 Keyway			鍵 Key	
S	h6	P	W	T	Q	SPEC'
Φ18		30	5	20	25	5×5×25
Φ22		40	7	25	35	7×7×35
Φ28		45	7	31	40	7×7×40
Φ32		55	10	35	50	10×8×50
Φ40		65	10	43	60	10×8×60
Φ50		80	14	53.5	75	14×9×75

### 安裝尺寸 (Dimensions)

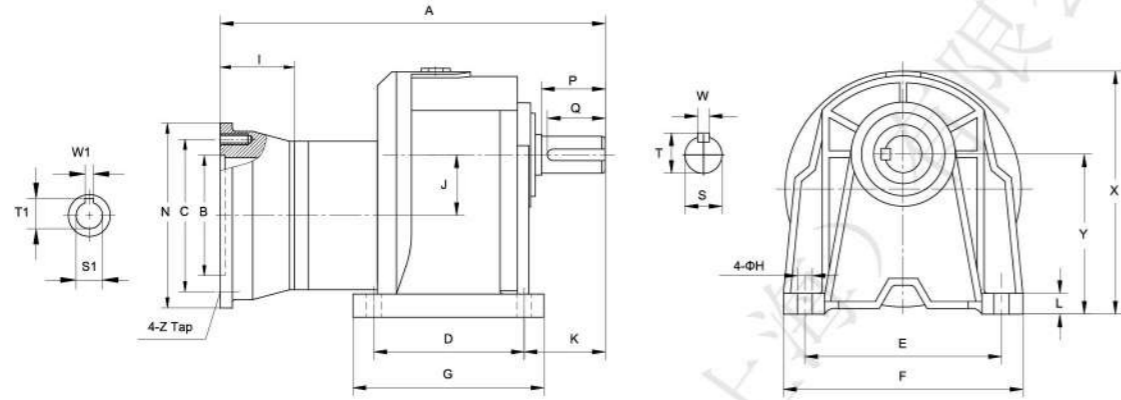
單位 mm

馬力 Power	減速比 Ratio	型番 Size(S)	A	B	C	D	E	F	G	H	I	J	K	L	N	Y	Z
0.2KW 1/4HP	3-10	*18#	160	110	130	50	140	120	120	9	55	16	39	10	160	6	M8
	15-90	22#	190	110	130	148	185	176	165	11	55	18.17	45	12	160	3.5	M8
	100-200	28#	220	110	130	170	220	218	200	12	55	20.8	58	14	160	4	M8
0.4KW 1/2HP	3-10	22#	190	110	130	148	185	176	165	11	55	18.17	45	12	160	3.5	M8
	15-90	28#	220	110	130	170	220	218	200	12	55	20.8	58	14	160	4	M8
0.75KW 1HP	3-25	28#	245	130	165	170	220	218	200	12	80	20.8	58	14	200	4	M10
	30-120	32#	285	130	165	185	255	248	225	15	80	30.2	66	16	200	4	M10
1.5KW 2HP	3-30	32#	285	130	165	185	255	248	225	15	80	30.2	66	16	200	4	M10
	40-100	40#	330	130	165	230	310	290	268	15	80	36	85	20	200	5	M10
2.2KW 3HP	3-40	40#	355	180	215	230	310	290	268	15	105	36	85	20	250	5	M12
	50-90	50#	395	180	215	280	390	365	335	18	105	51	92	25	250	5	M12
3.7KW 5HP	3-10	40#	355	180	215	230	310	290	268	15	105	36	85	20	250	5	M12
	15-60	50#	395	180	215	280	390	365	335	18	105	51	92	25	250	5	M12

備注: 1.配合IEC馬達為主。AVAILABLE FOR IEC METRIC MOTOR.  
2.\*屬於B型法蘭。\*BELONG TO B TYPE OUTPUT FLANGE.

## 二、尺寸表 Size table

GHM 卧式高速比入力法蘭齒輪減速機  
GHM Horizontal Type High Ratio Flange Type Reducer Without Motor



GHM 卧式 高速比入力法蘭

入力孔尺寸 Input Bore				
馬力 Power	入力孔 Bore		鍵槽 eyway	
	S1	F7	W1	T1
0.2KW 1/4HP	Φ11		4	12.8
0.4KW 1/2HP	Φ14		5	16.3
0.75KW 1HP	Φ19		6	21.8
1.5KW 2HP	Φ24		8	27.3

出力軸尺寸 Output Shaft					
出力軸 Shaft		鍵槽 Keyway			鍵 Key
S	h6	P	W	T	Q
Φ32		55	10	35	50
Φ40		65	10	43	60
Φ50		80	14	53.5	75
					SPEC'
					10×8×50
					10×8×60
					14×9×75

安裝尺寸 (Dimensions)

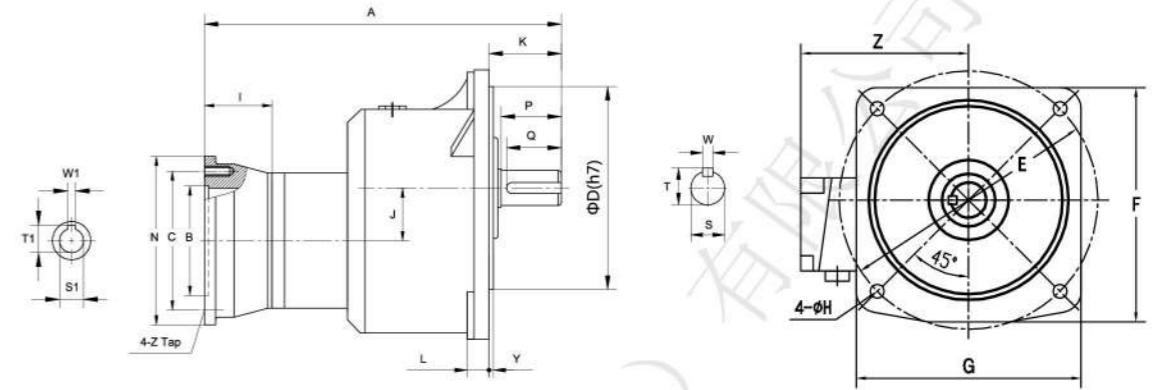
單位 mm

馬力 Power	減速比 Ratio	型番 Size(S)	A	B	C	D	E	F	G	H	I	J	K	L	N	X	Y	Z
0.2KW 1/4HP	250-1800	32#	345	110	130	130	170	200	168	13	55	48.4	70	18	160	215	138.5	M8
0.4KW 1/2HP	250-1800	40#	405	110	130	150	210	265	205	15	55	56.2	84	24	160	300	160	M8
0.75KW 1HP	250-1800	50#	490	130	165	170	265	310	230	18	80	81.2	122	30	200	350	200	M10
1.5KW 2HP	250-1800	50#	490	130	165	170	265	310	230	18	80	81.2	122	30	200	350	200	M10

備注: 1.配合IEC馬達為主。AVAILABLE FOR IEC METRIC MOTOR.

## 二、尺寸表 Size table

GVM 立式高速比入力法蘭齒輪減速機  
GVM Vertical Type High Ratio Flange Type Reducer Without Motor



GVM 立式 高速比入力法蘭

入力孔尺寸 Input Bore				
馬力 Power	入力孔 Bore		鍵槽 Keyway	
	S1	F7	W1	T1
0.2KW 1/4HP	Φ11		4	12.8
0.4KW 1/2HP	Φ14		5	16.3
0.75KW 1HP	Φ19		6	21.8
1.5KW 2HP	Φ24		8	27.3

出力軸尺寸 Output Shaft					
出力軸 Shaft		鍵槽 Keyway			鍵 Key
S	h6	P	W	T	Q
Φ32		55	10	35	50
Φ40		65	10	43	60
Φ50		80	14	53.5	75
					SPEC'
					10×8×50
					10×8×60
					14×9×75

安裝尺寸 (Dimensions)

單位 mm

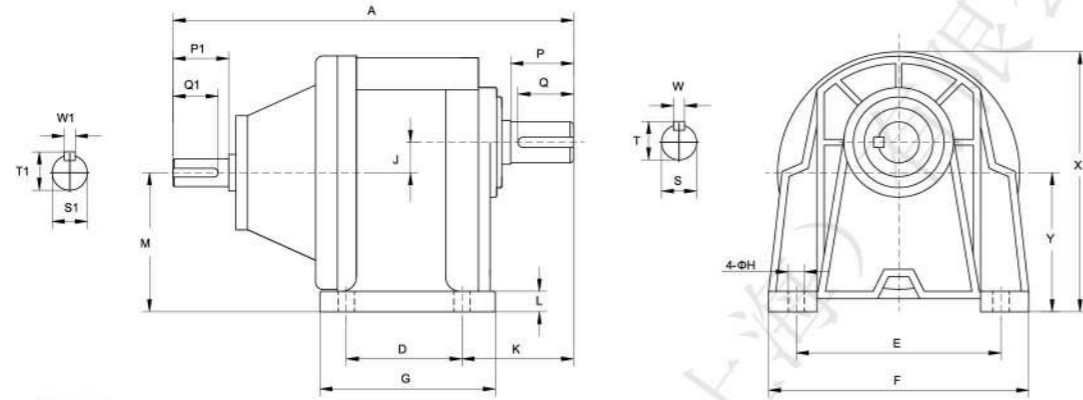
馬力 Power	減速比 Ratio	型番 Size(S)	A	B	C	D	E	F	G	H	I	J	K	L	N	Y	Z
1/4 KW 0.4HP	250-1800	32#	345	110	130	185	255	248	225	15	55	48.4	66	16	160	4	M8
1/2 KW 0.72HP	250-1800	40#	405	110	130	230	310	290	268	15	55	56.2	85	20	160	5	M8
1 KW 1.3HP	250-1800	50#	490	130	165	280	390	365	335	18	80	81.2	92	25	200	5	M10
1.5 KW 2HP	250-1800	50#	490	130	165	280	390	365	335	18	80	81.2	92	25	200	5	M10

備注: 1.配合IEC馬達為主。AVAILABLE FOR IEC METRIC MOTOR.

## 二、尺寸表 Size table

### GHD 卧式雙出軸齒輪減速機

### GHD Horizontal Type Double Shaft Type Reducer Without Motor



GHD 卧式 雙出軸

馬力 Power	入力孔 Shaft		鍵槽 Keyway			鍵 Key
	S1	h6 P1	W1	T1	Q1	SPEC'
0.1/0.2KW	Φ14	25	5	16.2	22	5×5×22
0.4KW	Φ16	30	5	18.2	25	5×5×25
0.75KW	Φ19	40	6	21.7	35	6×6×35
1.5KW	Φ24	50	8	27.1	45	8×7×45
2.2KW	Φ28	55	8	31.1	50	8×7×50
3.7KW	Φ28	55	8	31.1	50	8×7×50

出力軸 Shaft	鍵槽 Keyway			鍵 Key
	S h6	P	W T Q	SPEC'
Φ18	30	5	20 25	5×5×25
Φ22	40	7	25 35	7×7×35
Φ28	45	7	31 40	7×7×40
Φ32	55	10	35 50	10×8×50
Φ40	65	10	43 60	10×8×60
Φ50	80	14	53.5 75	14×9×75

### 安裝尺寸 (Dimensions)

單位 mm

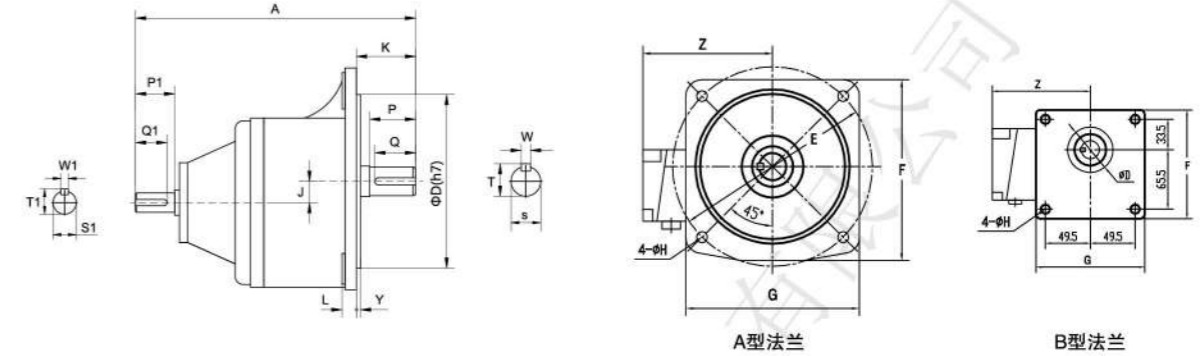
馬力 Power	減速比 Ratio	型番 Size(S)	A	D	E	F	G	H	J	K	L	M	X	Y
0.1KW 1/8HP	3-50	18#	165	40	110	135	65	9	16	50	14	72.5	132	88.5
	60-200	22#	195	65	130	158	90	11	18.17	60	13	80	152	97.5
0.2KW 1/4HP	3-10	18#	165	40	110	135	65	9	16	50	14	72.5	132	88.5
	15-90	22#	195	65	130	158	90	11	18.17	60	13	80	152	97.5
0.4KW 1/2HP	100-200	28#	245	90	140	178	120	11	20.8	70	17	95.2	178	116
	3-10	22#	235	65	130	158	90	11	18.17	60	13	80	152	97.5
0.4KW 1/2HP	15-90	28#	265	90	140	178	120	11	20.8	70	17	95.2	178	116
	100-200	32#	305	130	170	200	168	13	30.2	70	18	108.3	215	138.5
0.75KW 1HP	3-25	28#	275	90	140	178	120	11	20.8	70	17	95.2	178	116
	30-120	32#	315	130	170	200	168	13	30.2	70	18	108.3	215	138.5
1.5KW 2HP	125-200	40#	365	150	210	265	205	15	36	84	24	124	300	160
	3-30	32#	325	130	170	200	168	13	30.2	70	18	108.3	215	138.5
2.2KW 3HP	40-100	40#	375	150	210	265	205	15	36	84	24	124	300	160
	3-40	40#	390	150	210	265	205	15	36	84	24	124	300	160
3.7KW 5HP	50-90	50#	430	170	265	310	230	18	51	122	30	149	350	200
	3-10	40#	390	150	210	265	205	15	36	84	24	124	300	160
3.7KW 5HP	15-60	50#	430	170	265	310	230	18	51	122	30	149	350	200

備注: 1. 配合IEC馬達為主。AVAILABLE FOR IEC METRIC MOTOR.

## 二、尺寸表 Size table

### GVD 立式雙出軸齒輪減速機

### GVD Vertical Type Double Shaft Type Reducer Without Motor



GVD 立式 雙出軸

馬力 Power	入力孔 Shaft		鍵槽 Keyway			鍵 Key
	S1	h6 P1	W1	T1	Q1	SPEC'
0.1/0.2KW	Φ14	25	5	16.2	22	5×5×22
0.4KW	Φ16	30	5	18.2	25	5×5×25
0.75KW	Φ19	40	6	21.7	35	6×6×35
1.5KW	Φ24	50	8	27.1	45	8×7×45
2.2KW	Φ28	55	8	31.1	50	8×7×50
3.7KW	Φ28	55	8	31.1	50	8×7×50

出力軸 Shaft	鍵槽 Keyway			鍵 Key
	S h6	P	W T Q	SPEC'
Φ18	30	5	20 25	5×5×25
Φ22	40	7	25 35	7×7×35
Φ28	45	7	31 40	7×7×40
Φ32	55	10	35 50	10×8×50
Φ40	65	10	43 60	10×8×60
Φ50	80	14	53.5 75	14×9×75

### 安裝尺寸 (Dimensions)

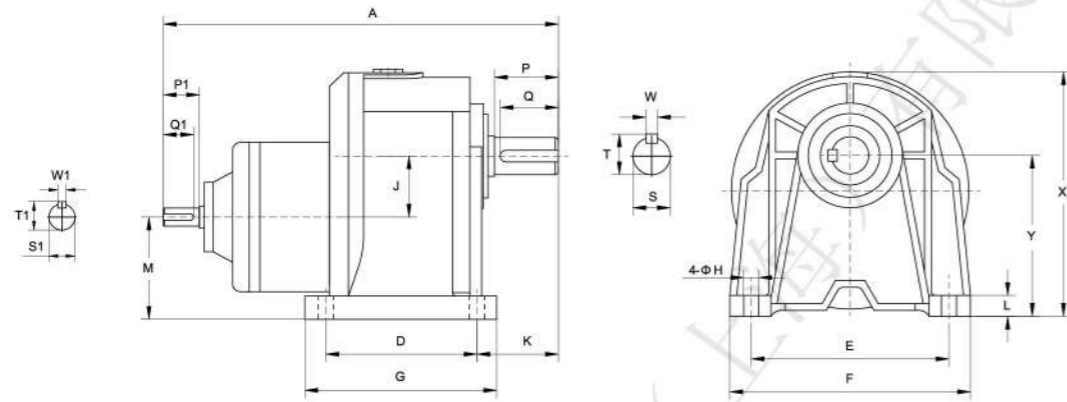
單位 mm

馬力 Power	減速比 Ratio	型番 Size(S)	A	D	E	F	G	H	J	K	L	Y
0.1KW 1/8HP	3-50	*18#	165	50	140	120	120	9	16	39	10	6
	60-200	22#	195	148	185	176	165	11	18.17	45	12	3.5
0.2KW 1/4HP	3-10	*18#	165	50	140	120	120	9	16	39	10	6
	15-90	22#	195	148	185	176	165	11	18.17	45	12	3.5
0.2KW 1/4HP	100-200	28#	245	170	220	218	200	12	20.8	58	14	4
	3-10	22#	235	148	185	176	165	11	18.17	45	12	3.5
0.4KW 1/2HP	15-90	28#	265	170	220	218	200	12	20.8	58	14	4
	100-200	32#	305	185	255	248	225	15	30.2	66	16	4
0.75KW 1HP	3-25	28#	275	170	220	218	200	12	20.8	58	14	4
	30-120	32#	315	185	255	248	225	15	30.2	66	16	4
1.5KW 2HP	125-200	40#	365	230	310	290	268	15	36	85	20	5
	3-30	32#	325	185	255	248	225	15	30.2	66	16	4
2.2KW 3HP	40-100	40#	375	230	310	290	268	15	36	85	20	5
	3-40	40#	390	230	310	290	268	15	36	85	20	5
3.7KW 5HP	50-90	50#	430	280	390	365	335	18	51	92	25	5
	3-10	40#	390	230	310	290	268	15	36	85	20	5
3.7KW 5HP	15-60	50#	430	280	390	365	335	18	51	92	25	5

備注: 1. \*屬於B型法蘭。BELONG TO B TYPE OUTPUT FLANGE.

## 二、尺寸表 Size table

GHD 卧式高速比雙出軸齒比輪減速機  
GHD Horizontal Type Double Shaft High Ratio Type Reducer Without Motor



GHD 卧式 高速比雙出軸

入力軸尺寸 Input Shaft						
馬力 Power	入力軸 Shaft		鍵槽 Keyway			鍵 Key
	S1 h6	P1	W1	T1	Q1	SPEC'
0.1KW/0.2KW	Φ14	25	5	16.2	22	5×5×22
0.4KW	Φ16	30	5	18.2	25	5×5×25
0.75KW	Φ19	40	6	21.7	35	6×6×35
1.5KW	Φ24	50	8	27.1	45	8×7×45

出力軸尺寸 Output Shaft					
出力軸 Shaft		鍵槽 Keyway			鍵 Key
S h6	P	W	T	Q	SPEC'
Φ32	55	10	35	50	10×8×50
Φ40	65	10	43	60	10×8×60
Φ50	80	14	53.5	75	14×9×75

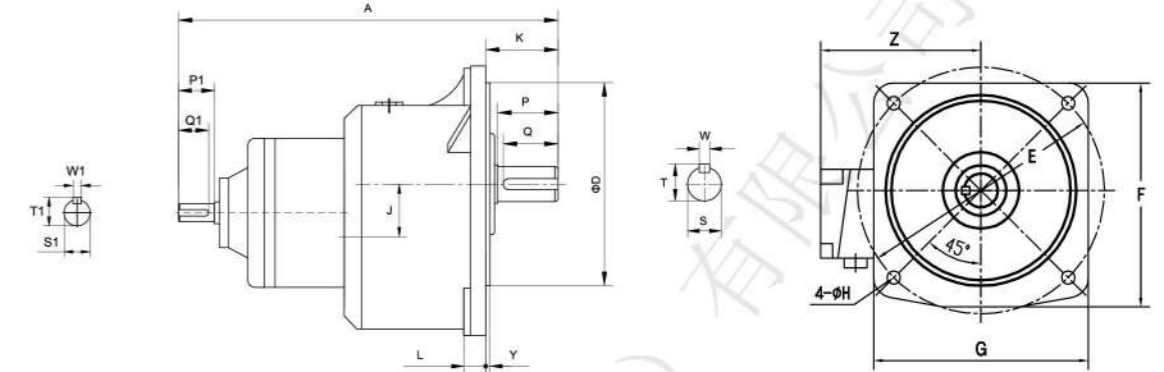
安裝尺寸 (Dimensions)

單位 mm

馬力 Power	減速比 Ratio	型番 Size(S)	A	D	E	F	G	H	J	K	L	M	X	Y
0.1KW 1/8HP	250-1800	28#	290	90	140	178	120	11	36.8	70	17	79.2	178	116
0.2KW 1/4HP	250-1800	32#	350	130	170	200	168	13	48.4	70	18	90	215	138.5
0.4KW 1/2HP	250-1800	40#	450	150	210	265	205	15	56.2	84	24	103.7	300	160
0.75KW 1HP	250-1800	50#	520	170	265	310	230	18	81.2	122	30	118.8	350	200
1.5KW 2HP	250-1800	50#	528	170	265	310	230	18	81.2	122	30	118.8	350	200

## 二、尺寸表 Size table

GVD 立式高速比雙出軸齒比輪減速機  
GVD Vertical Type Double Shaft High Ratio Type Reducer Without Motor



GVD 立式 高速比雙出軸

入力軸尺寸 Input Shaft						
馬力 Power	入力軸 Shaft		鍵槽 Keyway			鍵 Key
	S1 h6	P1	W1	T1	Q1	SPEC'
0.1KW/0.2KW	Φ14	25	5	16.2	22	5×5×22
0.4KW	Φ16	30	5	18.2	25	5×5×25
0.75KW	Φ19	40	6	21.7	35	6×6×35
1.5KW	Φ24	50	8	27.1	45	8×7×45

出力軸尺寸 Output Shaft					
出力軸 Shaft		鍵槽 Keyway			鍵 Key
S h6	P	W	T	Q	SPEC'
Φ32	55	10	35	50	10×8×50
Φ40	65	10	43	60	10×8×60
Φ50	80	14	53.5	75	14×9×75

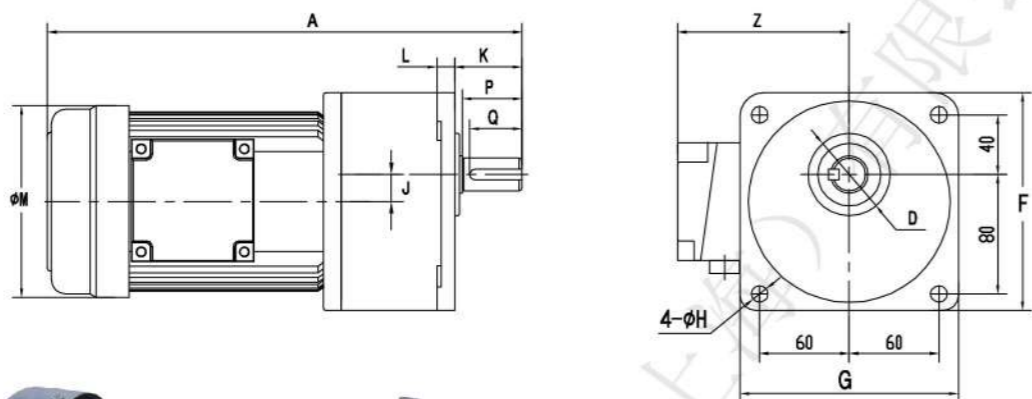
安裝尺寸 (Dimensions)

單位 mm

馬力 Power	減速比 Ratio	型番 Size(S)	A	D	E	F	G	H	J	K	L	Y
0.1KW 1/8HP	250-1800	28#	290	170	220	218	200	12	36.8	58	14	4
0.2KW 1/4HP	250-1800	32#	350	185	255	248	225	15	48.4	66	16	4
0.4KW 1/2HP	250-1800	40#	450	230	310	290	268	15	56.2	85	20	5
0.75KW 1HP	250-1800	50#	520	280	390	365	335	18	81.2	92	25	5
1.5KW 2HP	250-1800	50#	528	280	390	365	335	18	81.2	92	25	5

## 二、尺寸表 Size table

### 1) GV 立式三相（刹車）減速馬達-2#本體B型法蘭 GV Vertical Type Palte 3-Phase(Brake) Motor-2#Code BT type Flange



GV 立式 B型法蘭

出力軸尺寸 Output Shaft					
出力軸 Shaft		鍵槽 Keyway			鍵 Key
S h6	P	W	T	Q	SPEC'
φ22	40	7	25	35	7×7×35

#### 安裝尺寸 (Dimensions)

單位 mm

馬力 Power	減速比 Ratio	本體 Code	型番 Size(S)	A	D	E	F	G	H	J	K	M	Z
0.1KW 1/8HP	60-200	2#	*22	285	55	170	146	146	11	18.17	45	129	120
0.2KW 1/4HP	15-90	2#	*22	320	55	170	146	146	11	18.17	45	129	135
0.4KW 1/2HP	3-10	2#	*22	325	55	170	146	146	11	18.17	45	162	135

### 2) GV 立式三相縮框型（刹車）減速馬達-2#本體B型法蘭

#### 安裝尺寸 (Dimensions)

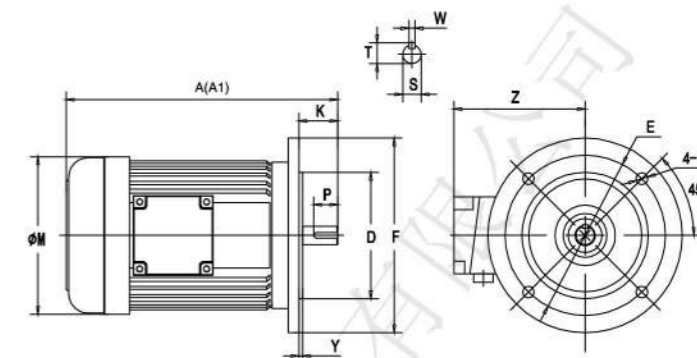
單位 mm

馬力 Power	減速比 Ratio	本體 Code	型番 Size(S)	A	D	E	F	G	H	J	K	M	Z
200W 1/4HP	100-200	2#	*22	320	55	170	146	146	11	18.17	45	129	120
400W 1/2HP	15-90	2#	*22	325	55	170	146	146	11	18.17	45	162	135
750W 1HP	3-25	2#	*22	345	55	170	146	146	11	18.17	45	162	135

備注: 1. \*屬於B型法蘭。(BELONG TO B TYPE OUTPUT FLANGE)

## 二、尺寸表 Size table

### GV..S 立式標準IEC三相鋁殼（刹車）馬達 GV..S Iec Vertical 3-Phase Aluminum (Brake) Motor



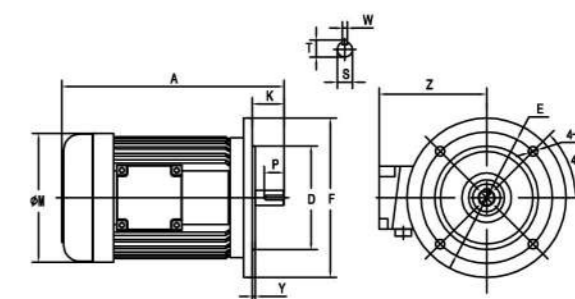
GV 立式 標準型

輸出馬力 Capacity	框號 Frame	A	A1	D	E	F	H	K	M	P	S h6	T	W	Y	Z	重量 (kg) Weight
4P																
0.1KW 1/8HP	...	210	210	95	115	140	10	23	129	10	11	12.5	4	3.5	120	4.4
0.2KW 1/4HP	63	245	245	95	115	140	10	23	129	10	11	12.5	4	3.5	120	5.9
0.4 KW 1/2HP	71	275	275	110	130	160	10	30	162	14	14	16	5	3.5	135	10.6
0.75KW 1HP	80	285	285	130	165	200	12	40	162	25	19	21.5	6	3.5	135	13.0
1.5KW 2HP	90L	360	360	130	165	200	12	50	182	32	24	27	8	3.5	145	21.5
2.2KW 3HP	100L	410	410	180	215	250	14.5	60	212	40	28	31	8	4	160	28.0
3.7KW 5HP	112L	450	450	180	215	250	14.5	60	212	40	28	31	8	4	160	34.5

A1: 三相鋁框馬達附刹車器。With 3-Phase Aluminum Brake Motor.

### GV..S 立式三相鋁殼（刹車）馬達

#### GV..S Vertical 3-Phase Aluminum (Brake) Motor



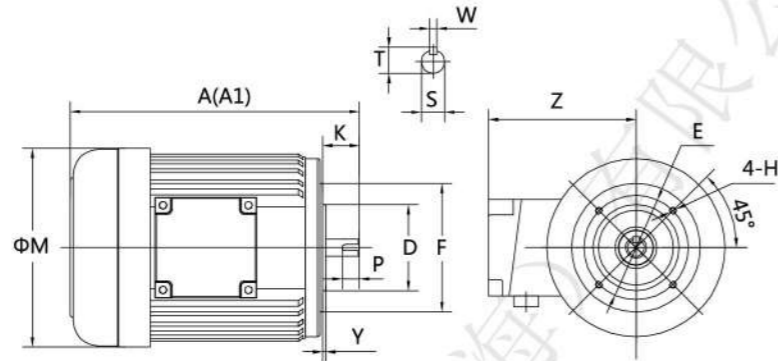
GV 立式

輸出馬力 Capacity	框號 Frame	A	D	E	F	H	K	M	P	S h6	T	W	Y	Z	重量 (kg) Weight
4P															
0.1KW 1/8HP	...	210	110	130	160	10	23	129	10	11	12.5	4	3.5	120	6.8
0.2KW 1/4HP	...	245	110	130	160	10	23	129	10	11	12.5	4	3.5	120	8.1

## 二、尺寸表 Size table

### GV..S 立式三相鋁殼 (剎車) 馬達--B14

### GV..S Vertical 3-Phase Aluminum (Brake) Motor--B14

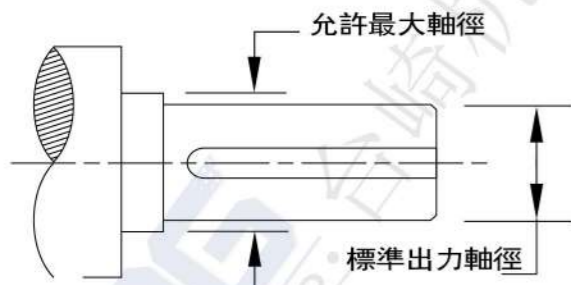


GV立式

輸出馬力 Capacity	框號 Frame	A	A1	D	E	F	H	K	M	P	S h6	T	W	Y	Z	重量 (kg) Weight
4P																
0.1KW 1/8HP	...	190	190	60	75	90	M5	23	129	10	11	12.5	4	1.8	120	4.2
0.2KW 1/4HP	63	225	225	60	75	90	M5	23	129	10	11	12.5	4	1.8	120	5.7
0.4KW 1/2HP	71	240	240	70	85	105	M6	30	162	14	14	16	5	2.5	130	8.2
0.75KW 1HP	80	270	285	80	100	120	M6	40	162	35	19	21.5	6	3.5	135	10.6

A1: 三相鋁框馬達附剎車器。With 3-Phase Aluminum Brake Motor.

### 2) 出力軸允許最大軸徑 (Available Max Diameter Of Output Shaft)



本體框號 Housing Code	標準出力軸徑 Std Output Shaft	出力軸軸承 Output Shaft Bearing	允許最大軸徑 Max Available Diameter
1#	Φ18	6004	Φ20
2#	Φ22	6205	Φ25
3#	Φ28	6206	Φ30
4#	Φ32	6207	Φ35
5#	Φ40	6209	Φ45
6#	Φ50	6211	Φ55

### 2) 交流剎車器規格 (Ac Brake Unit Specification)

馬力 POWER	允許最高轉速 PERMIT MAX RPM	剎車制動力 TORQUE (KG · M)	剎車間隙 CLEARANCE (MM)	來令片 BRAKE DISC		重量 WEIGHT (KG)
				外徑 OD	內徑 ID	
0.2KW 1/4HP-4P	4000	0.15-0.30	0.4-1.2	83	48	1.6
0.4KW 1/2HP-4P	4000	0.15-0.40	0.4-1.2	112	65	4.0
0.75KW 1HP-4P	4000	0.25-0.70	0.5-1.3	130	68	4.3
1.5KW 2HP-4P	3600	0.42-1.50	0.5-1.4	140	78	5.8
2.2KW 3HP-4P	3600	0.92-2.00	0.5-1.5	150	78	7.0
3.7KW 5HP-4P	3600	1.80-3.50	0.5-1.5	170	86	9.0

備注 REMARK

- AC剎車器安裝尺寸較長于原有標準馬達。 AC BRAKE UNIT LENGTH LONGER THAN ORIGINAL STANDARD MOTOR.
- 適用電壓 AVAILABLE VOLTAGE: 220V, 380V, 400V, 415V, 440V, 460V.
- 可接受特殊定制AC剎車器及專用剎車機型 AVAIL ABLE FOR SPECIAL BRAKE DESIGN

## 標準馬達規範表 (Standard Motor Specification)

項目 Item	三相交流馬達 3-Phase Motor		單相交流馬達 1-Phase Motor	
	全密閉外扇形 Enclosed Fan Cooled Type	IP-54 Totally	半密閉外扇形 Semi-Enclosed Fan Cooled Type	
防護等級 Protection	0.1KW-3.7KW 1/8HP-5HP	鋁合金 Alumalloy	0.1KW-1.5KW 1/8HP-2HP	鋁合金 Alumalloy
啟動方式 Starting	全壓啟動 Direct Start		0.1KW-0.2KW 1/8HP-1/4HP	運轉電容啟動 Capacitor
			0.4KW-1.5KW 1/2HP-2HP	啟動電容+離心開關
工作方式 Timerating	連續運轉 Continuous Running		連續運轉 Continuous Running	
絕緣等級 Insulation	F-絕緣 F-Class		F-絕緣 F-Class	
適用環境 Environment	溫度: -10 ~ +40°C Temperature Between -10°C To + 40°C 濕度: 90%以下 Humidity Less Than 90%			
適用電壓 Voltage	50Hz	220V, 230V, 240V, 380V, 400V, 415V, 440V	50Hz	110V, 115V, 200V, 220V, 230V
	60Hz	220V, 240V, 380V, 415V, 440V, 460V, 480V, 600V	60Hz	110V, 220V, 240V
適用極數 Pole	2P, 4P, 6P, 8P		4P	
輸出轉速 (4p) Output Speed	50Hz	1340-1400rpm	50Hz	1360-1430rpm
	60Hz	1610-1740rpm	60Hz	1640-1740rpm
依據標準 Standard	國標/國家標準 IEC-34, CNS-10919			
海拔 Sealevel	1000米 Under 1000m			
接線盒 Terminal Box	採用IP55級防水型鋁合金接線盒 With IP-55 Class Water-proof Aluminum Terminal Box			

## 接線圖 (Wiring Diagram)

