

減速電機

2023A版

自始至終 精益求精
From beginning to end, strive for perfection

高精度齒輪減速機
High precision gear reducer

直交軸系列微特減速電機
Rectangular shaft series VT reduction motor

CH/CV小型減速電機
CH/CV small-size reduction motor

F3準雙曲面系列減速電機
F3 hypoid series reduction motor

Modern production equipment

現代化的生產設備

先進的自動化生產設備，流水綫精密工序和裝配，盡顯一流品質，技術專家直接參與生產，保證產品的穩定性和可靠性萬無一失。與日俱增的精品意識和源源不斷的創新產品贏得了廣大客戶的信任。

Peaken has advanced zutomated production equip-ment which can provide strong ensurance for the precision quality of prduets, To ensure thestability and reliability of products,technical experts take part in the production.Increasing awareness of quality and innovative products continuous won a high degree of trust and identity of the customers.



CATALOG

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CH/CV小型減速電機

CH/CV small-size deceleration motor

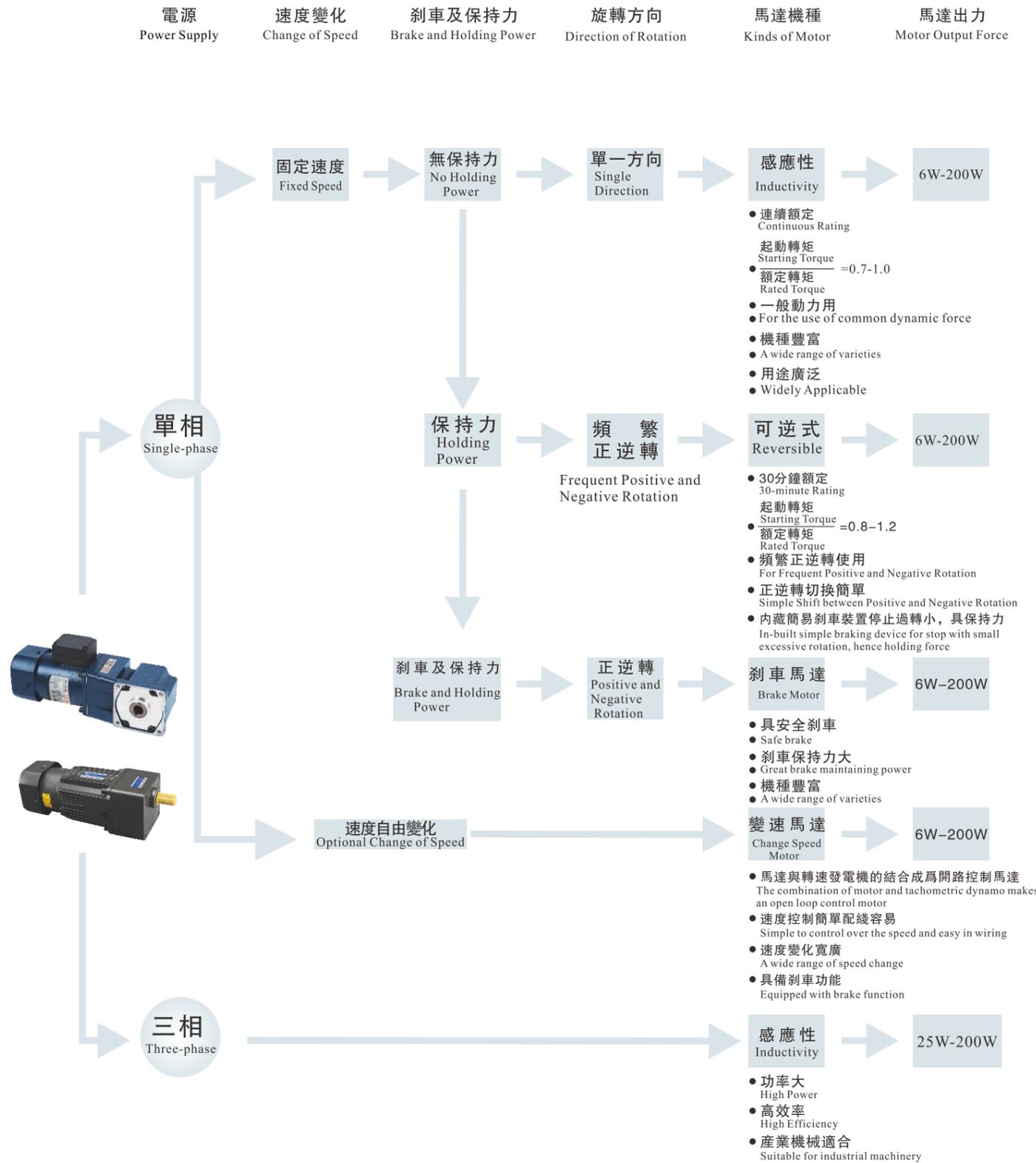
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F3準雙曲面系列減速電機

F3 hypoid series reduction motor

見B版

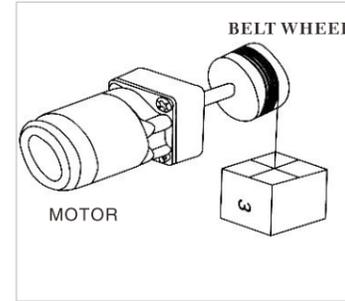


馬達容量的具體計算方法

Method for calculating motor capacity

- 1、求馬達所需的容量時，如下列標示。此處為一般的基本式。
 - 2、實際使用時應考慮到加速時，巨大的瞬間負荷所需的動力，或者設計上的安全，電壓的變化所造成的影響之後，再選擇馬達
- 1、The method for calculating the required capacity of the motor is shown as below. The general basic form is introduced here.
2、The power for the enormous instantaneous load under acceleration during actual operation and the design safety and influence caused by the voltage change should be taken into consideration before selecting the motor

(1) 卷起荷重物時 (1) When rolling up the load



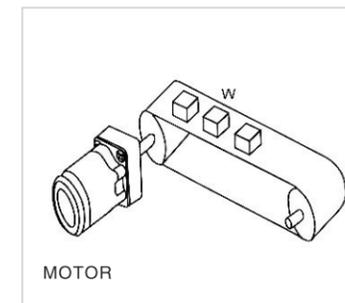
$$Pg = \frac{\omega V}{6.12} \times \frac{100}{\eta} [W]$$

ω : 荷重[kgf]
 ω : Load weight[kgf]
 V : 速度[m/min]
 V : Speed[m/min]
 η : 效率[%]
 η : Efficiency[%]

$$Pg = (P1 + P2 + P3) \times \frac{100}{\eta} [W]$$

無負荷動力 $P1 = 9.8 \mu \omega VL [W]$
No load Dynamic power $P1 = 9.8 \mu \omega VL [W]$

(3) 皮帶輸送時 (3) When conveying with belt

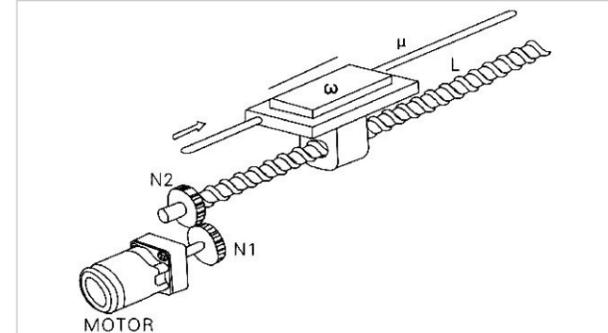


水平動力 $P2 = \frac{\mu QL}{367} [W]$
Horizontal Dynamic power $P2 = \frac{\mu QL}{367} [W]$
垂直動力 $P2 = \pm \frac{QH}{367} [W]$
Vertical dynamic power $P2 = \pm \frac{QH}{367} [W]$
 L : 運送帶的長度[m]
 L : The length of conveying belt [m]
 ω : 環狀帶比量[kgf/m]
 ω : The specific flow of the loop-shaped belt [kgf/m]
 μ : 摩擦係數
 μ : Coefficient of Friction
 V : 環狀帶的速度[m/sec]
 V : The speed of the loop-shaped belt [m/sec]
 Q : 運送量[kgf/h]
 Q : The conveying volume [kgf/h]
 η : 效率[%]
 η : Efficiency[%]
 H : 傾斜運送機的兩端高低差[m]
 H : height difference between the two ends of slop conveyer [m]

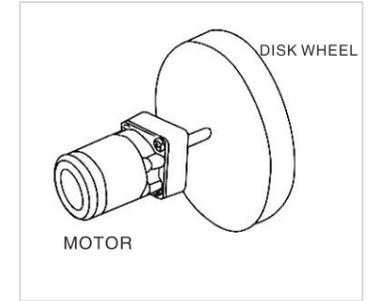
(5) 驅動導螺桿時 (5) Drive the leadscrew

1) 水平移動時
1) When moving horizontally
 $Pg = (P1 + P2) [W]$
外部負荷
External load
 $Pg = 1.027N2K \frac{(F + \mu \omega)}{2\pi \eta} [W]$
預壓負荷
Setting load
 $P2 = 1.027N2K \frac{Fao \cdot L}{2\pi} [W]$
 F : 切削力[kgf]
 F : Cutting force [kgf]

ω : 工作質量+工作臺質量[kgf/m]
 ω : Work quality+Workbench Quality [kgf/m]
 μ : 滾動裝置的摩擦係數[0.01]
 μ : The frictional coefficient of the rolling device [0.01]
 L : 導螺桿的LEAD[m]
 L : The LEAD of driving screw [m]
 η : 導螺桿效率[0.9]
 η : The efficiency of driving screw [0.9]
 Fao : 預壓荷重[kgf]
 Fao : Setting load
 K : 預壓螺帽的內部摩擦係數[0.1-0.3]
 K : The internal frictional coefficient of the driving cap [0.1-0.3]
 $N2$: 導螺桿的回旋速度[r/min]
 $N2$: The gyration speed of the driving screw [r/min]

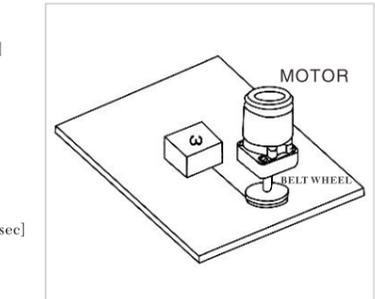


(2) 驅動慣性體時 (2) When driving the coasting body



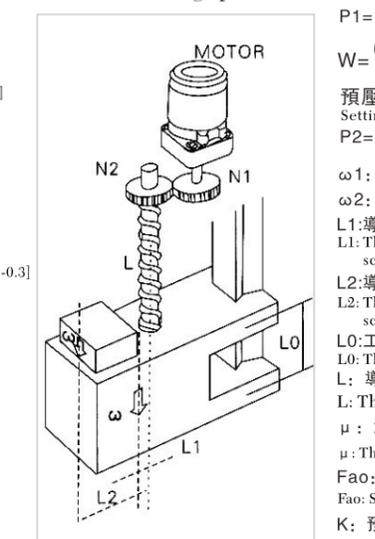
$Pg = 1.027nT [W]$
 Gd^2 包括回轉體的圓輪效果
 Gd^2 includes the round wheel effect of the rotational part
 $T = \frac{GD^2}{375} \times \frac{n}{T} (kg/m \times 10^5)$
 n : 回轉數[rpm]
 n : revolutions per [rpm]
 T : 轉矩[kg·m]
 T : Torque [kg·m]
 Gd^2 : 飛輪效率[kg·m²]
 Gd^2 : Flywheel efficiency [kg·m²]
 t : 時間[sec]
 t : Time [sec]

(4) 把接觸面水平移動時 (4) When moving the contact surface horizontally



$Pg = \frac{\mu \omega V}{6.12} [W]$
 ω : 荷重[kgf]
 ω : Load weight [kgf]
 V : 速度[m/min]
 V : Speed [m/min]
 μ : 摩擦係數
 μ : Coefficient of friction
 Pg : 所需動力[W]
 Pg : Required Dynamic power [W]

(6) 上下移動時 (6) When moving up and down



$Pa = (P1 + P2) [W]$
在此，外部負荷
Here, external load
 $P1 = 1.027N2 \frac{(F + \mu \omega) L}{2\pi \eta} [W]$
 $W = \frac{(\omega_1 L_1 + \omega_2 L_2)}{L_0} [kgf]$
預壓負荷
Setting load
 $P2 = 1.027N2K \frac{Fao \cdot L}{2\pi} [W]$
 ω_1 : 工作質量 Work quality
 ω_2 : 工作臺質量 Workbench Quality
 $L1$: 導螺桿中心與工作重心的距離[m]
 $L1$: The distance between the center of the driving screw and the center of working gravity [m]
 $L2$: 導螺桿中心與工作重心的距離[m]
 $L2$: The distance between the center of the driving screw and the center of working gravity [m]
 $L0$: 工作臺腳之間的距離[m]
 $L0$: The distance between the working table feet [m]
 L : 導螺桿的LEAD[m]
 L : The LEAD of driving screw [m]
 μ : 滾動裝置的摩擦係數[0.01]
 μ : The frictional coefficient of the rolling device [0.01]
 Fao : 預壓荷重
 Fao : Setting load [kgf]
 K : 預壓螺帽的內部摩擦係數
 K : The internal frictional coefficient of the driving cap [0.1-0.3]
係數 coefficient [0.1-0.3]
 $N2$: 導螺桿的回旋速度[r/min]
 $N2$: The gyration speed of the driving screw [r/min]
 η : 導螺桿效率[0.9]
 η : The efficiency of driving screw [0.9]

交流馬達型號之選定 The selection for AC motor and gear

4	R	K	25	GN	A	
↓	↓	↓	↓	↓	↓	↓
外形尺寸 Overall Dimensions	機種 Kinds	馬達系列 Motor Series	出力 Output Force	馬達軸形狀 Motor Axis Shape	電壓極數 Voltage Poles	其它附件 Other Accessories
2:60mm 3:70mm 4:80mm 5:90mm 6:100mm 7:120mm	I:感應式 R:可逆式 T:轉矩馬達	I: Inductive R: Reversible K 系列 K Series	6=10W 15=15W 20=20W 25=25W 30=30W 40=40W 60=60W 90=90W 120=120W 140=140W 160=160W 180=180W 200=200W 250=250W 370=370W 400=400W 750=750W	A圓柱軸型 A1圓柱軸銑扁型 A2圓柱軸鍵槽型 GN螺旋齒軸 (匹配GN齒輪箱) GN Spiral Toothing Axis (match with GN gear box) GU螺旋齒軸 (匹配GU齒輪箱) GU Spiral Toothing Axis (match with GU gear box)	A=1 φ 110V4P B=1 φ 110V2P C=1 φ 220V4P D=1 φ 220V2P S=3 φ 220V4P S1=3 φ 220V2P U=3 φ 380V4P W=3 φ 440V4P Y=3 φ 220/380V4P Z=3 φ 220/440V4P H=3 φ 380V2P	F:風扇 F: Fan M:电磁刹车 M: Electromagnetic Brake Z:机械阻尼 Z: mechanical damping T:接线盒 T: Terminal Box P:温度开关 P: Temperature Switch



馬達軸形狀前加R為調速馬達
Plus "R" before the axis shape of the motor stands for the speed regulation motor

齒輪型號之選定 The selection for AC motor

4	GN	100	K
↓	↓	↓	↓
外形尺寸 Overall Dimensions	出力軸種類	減速比 Speed Reducing Ratio	齒輪軸承種類 Kinds of Gear Bearings
2:60mm 3:70mm 4:80mm 5:90mm 6:100mm 7:120mm	GN:出力軸 ≤ φ12 GU:出力軸 ≥ φ14 GS:出力軸 ≥ φ15	1/100 10x表示中間齒輪 10x stands for the intermediate gear	K=滾珠培林軸承 K= Ball Bearing B=含油軸承 (合銅) B= Oil-retaining Bearing (copper contained) copper alloy



產品模塊化組合體系 MODULAR COMBINED SYSTEM OF PRODUCT



6/10W

□60mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque mN.m	額定扭矩 Rated Torque mN.m	額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μF/VAC
公司型號 JWD types									
2RK-6GN-A	可逆式 Reversible	6	單相 1-phase 110	50	0.26	60	47	1200	4μF/250V
2IK-6GN-A	感應 Induction			60	0.23	55	38	1450	
2RK-6GN-C	可逆式 Reversible	6	單相 1-phase 220	50	0.14	55	48	1200	1.0μF/450V
2IK-6GN-C	感應 Induction			50	0.13	50	48	1200	
2RK-10GN-C	可逆式 Reversible	10	單相 1-phase 220	50	0.2	80	79	1200	1.0μF/450V
2IK-10GN-C	感應 Induction			60	0.23	75	69	1450	
2RK-10GN-A	可逆式 Reversible	10	單相 1-phase 110	50	0.16	80	79	1200	4.5μF/250V
2IK-10GN-A	感應 Induction			60	0.2	75	69	1450	
2RK-10GN-A	可逆式 Reversible	10	單相 1-phase 110	50	0.28	85	78	1200	4.5μF/250V
2IK-10GN-A	感應 Induction			60	0.31	80	71	1450	
2RK-10GN-A	可逆式 Reversible	10	單相 1-phase 110	50	0.25	85	78	1200	4.5μF/250V
2IK-10GN-A	感應 Induction			60	0.29	80	71	1450	

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	減速比i																		
		500	417	300	250	200	150	120	100	83	75	60	50	41	37	30	25	20		
最大允許負載 Max allowable load	6W	kg.cm	1.3	1.6	2.32	2.67	3.3	4.5	5.5	6.2	7.3	8.1	9.7	11.2	13.8	15.2	17.1	21.2	25.3	
	N.m	0.13	0.16	0.22	0.26	0.32	0.43	0.53	0.6	0.72	0.8	0.96	1.1	1.38	1.5	1.7	2.1	2.5		
10W	kg.cm	2.1	2.51	3.42	4.1	5.3	6.7	8.7	10.1	11.6	12.9	16.2	19.2	23.1	26.2	28.2	3.0			
	N.m	0.2	0.25	0.34	0.4	0.51	0.67	0.86	1.0	1.15	1.28	1.6	1.92	2.3	2.6	2.8	3.0			

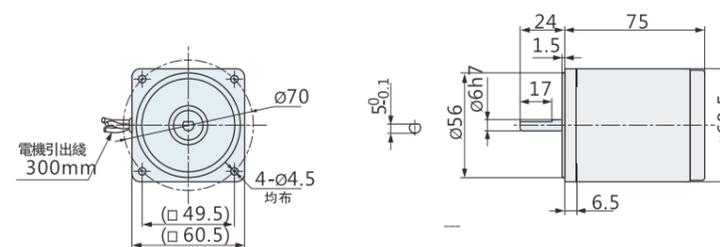
- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

2IK-6A-C 2RK-6A-C
2IK-6A-A 2RK-6A-C



結構：電動機
重量：0.85kg

Structure: Electric motor
Weight: 0.85kg

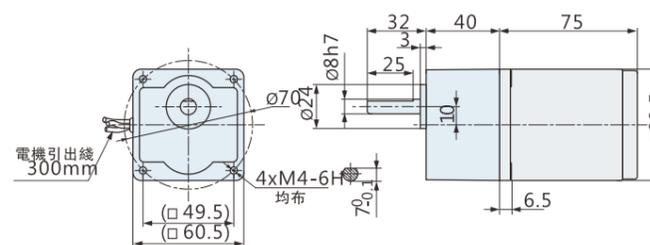
定速型

Optical axis type

齒輪品名

Name of Gear 2GN □K

2IK-6GN-C 2RK-6GN-C
2IK-6GN-A 2RK-6GN-A



結構：減速器+電動機
重量：1.17kg
減速比：1:3-1:200

Structure: Reducer+Electric motor
Weight: 1.17kg
Speed Reducing Ratio: 1:3-1:200

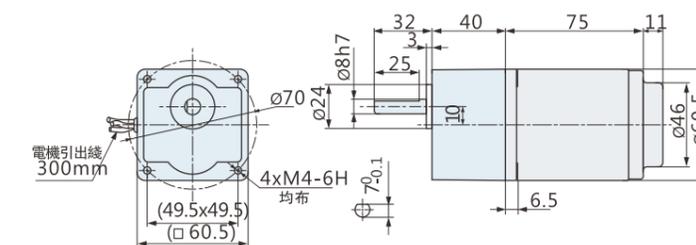
調速型

Speed regulation type

齒輪品名

Name of Gear 2GN □K

2IK-6RGN-C 2RK-6RGN-C
2IK-6RGN-A 2RK-6RGN-A



結構：減速器+電動機+調速器
重量：1.2kg
減速比：1:3-1:200

Structure: Reducer+Electric motor+Speed governor
Weight: 1.2kg
Speed Reducing Ratio: 1:3-1:200

15/20W

70mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μ F/VAC
						mN.m	gf.cm	mN.m	gf.cm		
3IK15GN-C 3IK15A-C	感應 Induction	15	單相 1-phase 220	50	0.15	143	1430	115	1150	1250	1.2/450
				60	0.14	120	1200	95.5	955	1500	1.2/450
3RK15GN-C 3RK15A-C	可逆 Reversible	15	單相 1-phase 220	50	0.16	187	1870	150	1500	1250	1.5/450
				60	0.18	158	1580	127	1270	1500	1.5/450
3IK15GN-A 3IK15A-A	感應 Induction	15	單相 1-phase 110	50	0.33	143	1430	115	1150	1250	5/250
				60	0.30	120	1200	95.5	955	1500	5/250
3RK15GN-A 3RK15A-A	可逆 Reversible	15	單相 1-phase 110	50	0.36	187	1870	150	1500	1250	6/250
				60	0.38	158	1580	127	1270	1500	6/250
3IK15GN-U 3IK15A-U	—	15	三相 3-phase 380	50	0.06	143	1430	115	1150	1250	—
				60	0.055	120	1200	95.5	955	1500	—
3RK15GN-S 3RK15A-S	—	15	三相 3-phase 220	50	0.1	143	1430	115	1150	1250	—
				60	0.1	120	1200	95.5	955	1500	—
3IK20GN-C 3IK20A-C	感應 Induction	20	單相 1-phase 220	50	0.22	187	1870	150	1500	1250	2/450
				60	0.22	158	1580	127	1270	1500	2/450
3RK20GN-C 3RK20A-C	可逆 Reversible	20	單相 1-phase 220	50	0.26	187	1870	150	1500	1300	2.5/450
				60	0.28	158	1580	127	1270	1550	2.5/450
3IK20GN-A 3IK20N-A	感應 Induction	20	單相 1-phase 110	50	0.45	187	1870	150	1500	1250	8/250
				60	0.46	158	1580	127	1270	1500	8/250
3RK20GN-A 3RK20A-A	可逆 Reversible	20	單相 1-phase 110	50	0.54	187	1870	150	1500	1300	10/250
				60	0.58	158	1580	127	1270	1550	9/250

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

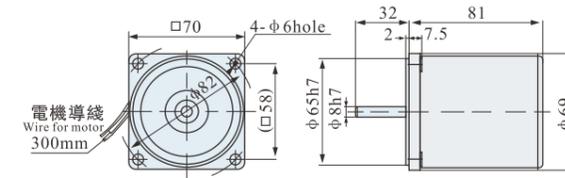
減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	減速比i																										
		500	300	250	200	150	120	100	75	60	50	40	35	30	25	20	15	12	10	8	7.5	6	5					
最大允許負載 Max allowable load	15W	kg.cm N.m	2.86 0.28	4.81 0.48	5.67 0.56	7.51 0.75	9.46 0.93	11.8 1.18	14.7 1.47	17 1.67	21.5 2.15	23.5 2.35	30.6 3.01	34.1 3.34	39.27 3.92	47.1 4.7	50						4.9					
	20W	kg.cm N.m	3.52 0.35	5.80 0.58	7.56 0.75	8.74 0.87	12.6 1.24	14.5 1.45	17.15 1.71	22.6 2.23	26.1 2.61	30.4 3.04	40.8 4.01	45.5 4.4	50						4.9							

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2-15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2-15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

3IK15A-A 3RK15A-A
3IK15A-C 3RK15A-C
3IK15A-Y 3RK15A-Y



結構：電動機 Structure: Electric motor
重量：1.1kg Weight: 1.1kg

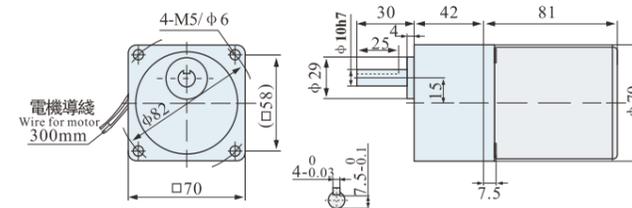
定速型

Optical axis type

齒輪品名

Name of Gear 3GN□K

3IK15GN-A 3RK15GN-A
3IK15GN-C 3RK15GN-C
3IK15GN-CZ 3RK15GN-CZ
3IK15GN-Y 3RK15GN-Y



結構：減速器+電動機
重量：1.6kg
減速比：1:3-1:250
Structure: Reducer+Electric motor
Weight: 1.6kg
Speed Reducing Ratio : 1:3-1:250

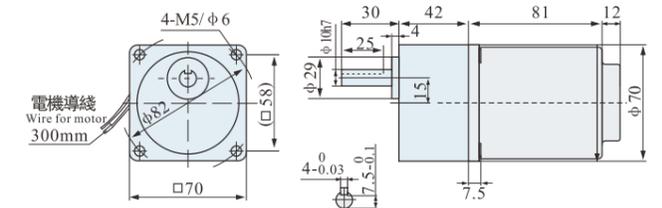
調速型

Speed regulation type

齒輪品名

Name of Gear 3GN□K

3RK15RGN-A 3IK15RGN-A
3IK15RGN-C 3IK15RGN-C



結構：減速器+電動機+調速器
重量：1.7kg
減速比：1:3-1:250
Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 1.7kg
Speed Reducing Ratio : 1:3-1:250

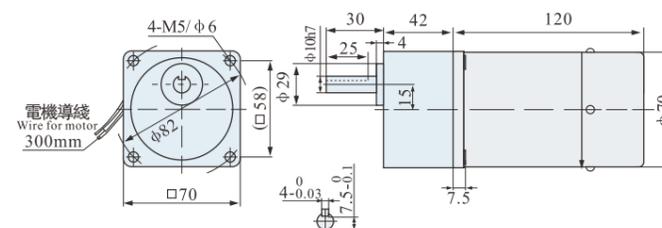
剎車定速型

Brake Optical axis type

齒輪品名

Name of Gear 3GN□K

3IK15GN-AM 3RK15GN-AM
3IK15GN-CM 3RK15GN-CM
3IK15GN-YM 3RK15GN-YM



結構：減速器+電動機+剎車器
重量：1.9kg
減速比：1:3-1:250
Structure: Reducer+Electric motor+Brake
Weight: 1.9kg
Speed Reducing Ratio : 1:3-1:250

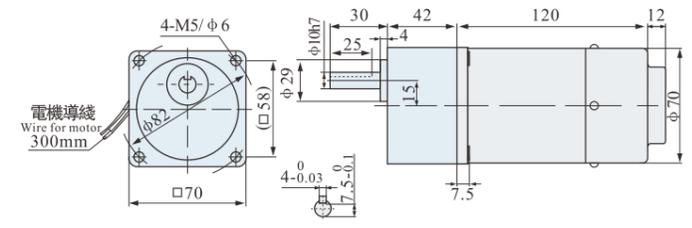
剎車調速型

Brake Speed regulation type

齒輪品名

Name of Gear 3GN□K

3IK15RGN-CM 3RK15RGN-CM
3IK15RGN-AM 3RK15RGN-AM



結構：減速器+電動機+剎車器+調速器
重量：2.0kg
減速比：1:3-1:250
Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 2.0kg
Speed Reducing Ratio : 1:3-1:250

減速電機

自始至終 精益求精
From beginning to end, strive for perfection

25/30W

□80mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/ve μF/VAC
						mN.m	gf.cm	mN.m	gf.cm		
4IK25GN-C 4IK25A-C	感應 Induction	25	單相 1-phase 220	50	0.22	231	2310	185	1850	1250	1.5/450
4RK25GN-C 4RK25A-C	可逆 Reversible			60	0.21	192	1920	154	1540	1550	1.5/450
				50	0.24	231	2310	185	1850	1250	2/450
4RK25GN-C 4RK25A-C	可逆 Reversible			60	0.26	192	1920	154	1540	1550	2/450
		4IK25GN-A 4IK25A-A	感應 Induction	25	單相 1-phase 110	50	0.48	231	2310	185	1850
4RK25GN-A 4RK25A-A	可逆 Reversible	60	0.46			192	1920	154	1540	1550	6/250
		50	0.50			231	2310	185	1850	1250	8/250
4RK25GN-A 4RK25A-A	可逆 Reversible	60	0.56			192	1920	154	1540	1550	8/250
		4IK25GN-U 4IK25A-U	—	25	三相 3-phase 380	50	0.14	231	2310	185	1850
4RK25GN-S 4RK25A-S	—	60	0.12			192	1920	154	1540	1550	—
		4RK25GN-S 4RK25A-S	—	50	0.24	231	2310	185	1850	1250	—
4RK25GN-S 4RK25A-S	—			60	0.225	192	1920	154	1540	1550	—
		4IK30GN-C 4IK30A-C	感應 Induction	30	單相 1-phase 220	50	0.28	275	2750	220	2200
4RK30GN-C 4RK30A-C	可逆 Reversible	60	0.3			231	2310	185	1850	1550	2.2/450
		50	0.3			275	2750	220	2200	1250	2.5/450
4RK30GN-C 4RK30A-C	可逆 Reversible	60	0.32			231	2310	185	1850	1550	2.5/450
		4IK30GN-A 4IK30A-A	感應 Induction	30	單相 1-phase 110	50	0.58	275	2750	220	2200
4RK30GN-A 4RK30A-A	可逆 Reversible	60	0.60			231	2310	185	1850	1550	8/250
		50	0.60			275	2750	220	2200	1250	10/250
4RK30GN-A 4RK30A-A	可逆 Reversible	60	0.65			231	2310	185	1850	1550	10/250

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	減速比 ratio																											
		500	300	250	200	150	120	100	83	75	60	50	40	35	30	25	20	15	12	10	8	7	6	5					
最大允許負載 Max allowable load	25W	kg.cm 0.45	7.9 0.79	9.46 0.93	12 1.18	15.7 1.55	19 1.86	23 2.25	28.4 2.78	31.5 3.1	35 3.43	42 4.12	51.1 5.01	56.7 5.57	62 6.18	76.6 7.52	80							7.84					
	30W	kg.cm 0.56	8.1 0.8	11.3 1.1	14.2 1.39	18.9 1.85	23.6 2.32	28.3 2.78	34 3.34	37.8 3.7	42.5 4.17	51.1 5.01	60.2 6.01	68.1 6.68	80							7.84							

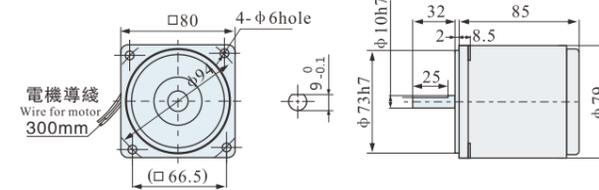
- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

4IK25A-A 4RK25A-A
4IK25A-C 4RK25A-C
4IK25A-Y 4RK25A-Y



結構：電動機
重量：1.5kg

Structure: Electric motor
Weight: 1.5kg

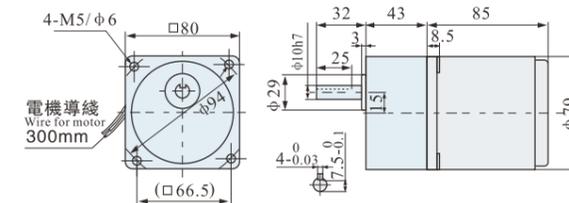
定速型

Optical axis type

齒輪品名

Name of Gear 4GN□K

4IK25GN-A 4RK25GN-A
4IK25GN-C 4RK25GN-C
4IK25GN-CZ 4RK25GN-CZ
4IK25GN-Y 4RK25GN-Y



結構：減速器+電動機
重量：2.1kg
減速比：1:3-1:300

Structure: Reducer+Electric motor
Weight: 2.1kg
Speed Reducing Ratio : 1:3-1:300

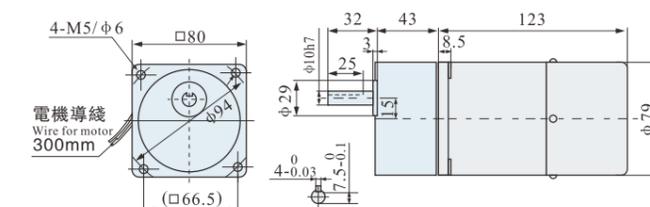
剎車定速型

Brake Optical axis type

齒輪品名

Name of Gear 4GN□K

4IK25GN-AM 4RK25GN-AM
4IK25GN-CM 4RK25GN-CM
4IK25GN-YM 4RK25GN-YM



結構：減速器+電動機+剎車器
重量：2.4kg
減速比：1:3-1:300

Structure: Reducer+Electric motor+Brake
Weight: 2.4kg
Speed Reducing Ratio : 1:3-1:300

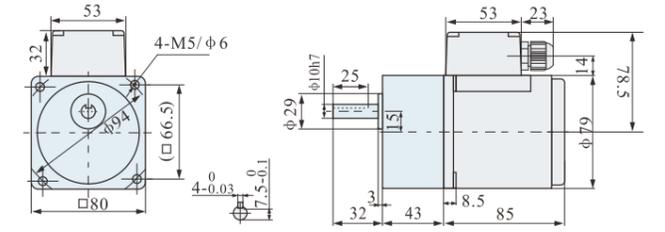
帶端子箱型

With terminal box type

齒輪品名

Name of Gear 4GN□K

4IK25GN-AT 4RK25GN-AT
4IK25GN-CT 4RK25GN-CT
4IK25GN-UT 4RK25GN-UT
4IK25GN-ST 4RK25GN-ST



結構：減速器+電動機+端子箱
重量：2.2kg
減速比：1:3-1:300

Structure: Reducer+Electric motor+Terminal box
Weight: 2.2kg
Speed Reducing Ratio : 1:3-1:300

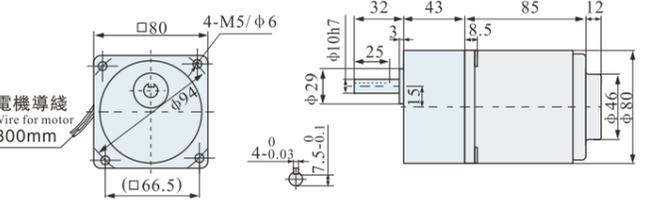
調速型

Speed regulation type

齒輪品名

Name of Gear 4GN□K

4IK25RGN-A 4RK25RGN-A
4IK25RGN-C 4RK25RGN-C



結構：減速器+電動機+調速器
重量：2.2kg
減速比：1:3-1:300

Structure: Reducer+Electric motor+Speed governor
Weight: 2.2kg
Speed Reducing Ratio : 1:3-1:300

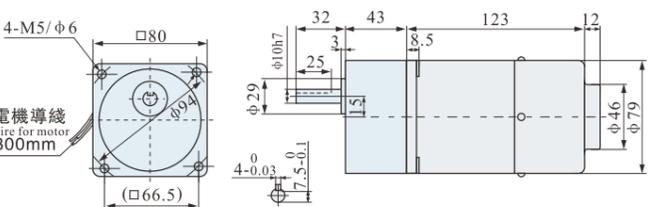
剎車調速型

Brake Speed regulation type

齒輪品名

Name of Gear 4GN□K

4IK25RGN-AM 4RK25RGN-AM
4IK25RGN-CM 4RK25RGN-CM



結構：減速器+電動機+剎車器+調速器
重量：2.5kg
減速比：1:3-1:300

Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 2.5kg
Speed Reducing Ratio : 1:3-1:300

40W

□90mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/ve μF/VAC
						mN.m	gf.cm	mN.m	gf.cm		
5IK40GN-C 5IK40A-C	感應 Induction	40	單相 1-phase 220	50	0.35	367	3670	294	2940	1300	2.5/450
5RK40GN-C 5RK40A-C	可逆 Reversible			60	0.33	307	3070	246	2460	1550	2.5/450
5IK40GN-A 5IK40A-A	感應 Induction	40	單相 1-phase 110	50	0.38	367	3670	294	2940	1300	3.0/450
5RK40GN-A 5RK40A-A				可逆 Reversible	60	0.4	307	3070	246	2460	1550
5IK40GN-U 5IK40A-U	—	40	三相 3-phase 380	50	0.70	367	3670	294	2940	1300	10/250
5RK40GN-A 5RK40A-A				可逆 Reversible	60	0.72	307	3070	246	2460	1550
5IK40GN-U 5IK40A-U	—	40	三相 3-phase 380	50	0.76	367	3670	294	2940	1300	12/250
5RK40GN-S 5RK40A-S				可逆 Reversible	60	0.80	307	3070	246	2460	1550
5IK40GN-U 5IK40A-U	—	40	三相 3-phase 380	50	0.24	367	3670	294	2940	1300	—
5RK40GN-S 5RK40A-S				可逆 Reversible	60	0.22	307	3070	246	2460	1550
5IK40GN-U 5IK40A-U	—	40	三相 3-phase 220	50	0.42	367	3670	294	2940	1300	—
5RK40GN-S 5RK40A-S				可逆 Reversible	60	0.38	307	3070	246	2460	1550

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

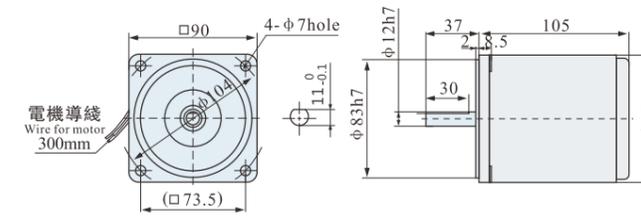
減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	減速比i																						
		500	300	250	200	150	120	100	75	60	50	40	35	30	25	20	15	12	10	8	7	6	5	3
減速比i ratio		3	5	6	7.5	10	12.5	15	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500
最大允許負載 Max allowable load	40W	7.3	12	14.5	18	24.2	30	36	43.6	55	65.5	78	87	98										100
	kg.cm N.m	0.72	1.18	1.43	1.77	2.4	2.94	3.53	4.28	5.0	6.24	7.7	8.57	9.64										9.81

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

5IK40A-A	5RK40A-A
5IK40A-C	5RK40A-C
5IK40A-Y	5RK40A-Y



結構：電動機
重量：2.3kg
Structure: Electric motor
Weight: 2.3kg

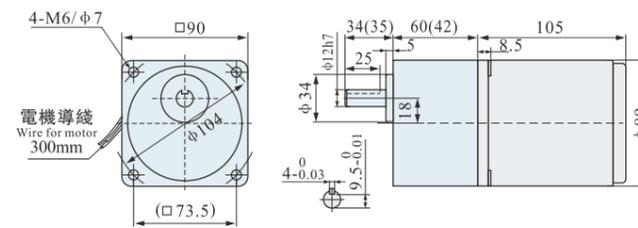
定速型

Optical axis type

齒輪品名

Name of Gear 5GN(GU) □K

5IK40GN-A	5RK40GN-A
5IK40GN-C	5RK40GN-C
5IK40GN-CZ	5RK40GN-CZ
5IK40GN-Y	5RK40GN-Y



結構：減速器+電動機
重量：3.4kg
減速比：1:3~1:500
Structure: Reducer+Electric motor
Weight: 3.4kg
Speed Reducing Ratio : 1:3-1:500

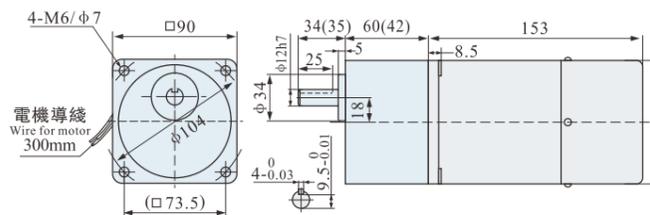
剎車定速型

Brake Optical axis type

齒輪品名

Name of Gear 5GN(GU) □K

5IK40GN-AM	5RK40GN-AM
5IK40GN-CM	5RK40GN-CM
5IK40GN-YM	5RK40GN-YM



結構：減速器+電動機+剎車器
重量：3.7kg
減速比：1:3~1:500
Structure: Reducer+Electric motor+Brake
Weight: 3.7kg
Speed Reducing Ratio : 1:3-1:500

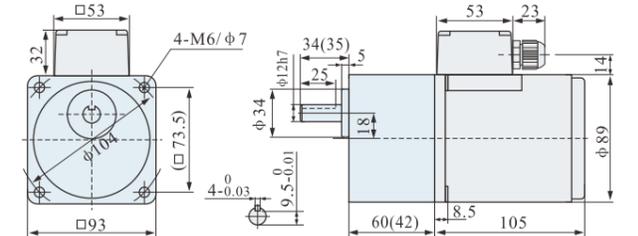
帶端子箱型

With terminal box type

齒輪品名

Name of Gear 5GN(GU) □K

5IK40GM-AT	5RK40GM-AT
5IK40GM-CT	5RK40GM-CT
5IK40GM-U(Y)T	5RK40GM-U(Y)T
5IK40GM-ST	5RK40GM-ST



結構：減速器+電動機+端子箱
重量：3.5kg
減速比：1:3~1:500
Structure: Reducer+Electric motor+Terminal box
Weight: 3.5kg
Speed Reducing Ratio : 1:3-1:500

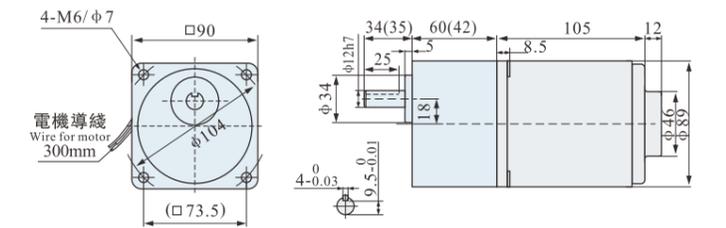
調速型

Speed regulation type

齒輪品名

Name of Gear 5GN(GU) □K

5IK40RGN-A	5RK40RGN-A
5IK40RGN-C	5RK40RGN-C



結構：減速器+電動機+調速器
重量：3.5kg
減速比：1:3~1:500
Structure: Reducer+Electric motor+Speed governor
Weight: 3.5kg
Speed Reducing Ratio : 1:3-1:500

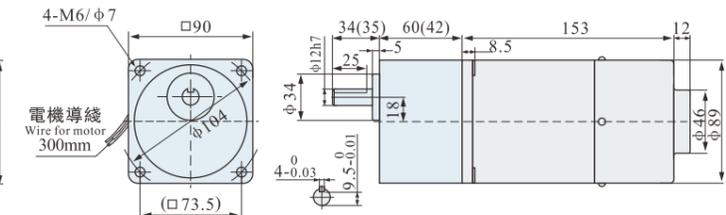
剎車調速型

Brake Speed regulation type

齒輪品名

Name of Gear 5GN(GU) □K

5IK40RGN-AM	5RK40RGN-AM
5IK40RGN-CM	5RK40RGN-CM



結構：減速器+電動機+剎車器+調速器
重量：3.8kg
減速比：1:3~1:500
Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 3.8kg
Speed Reducing Ratio : 1:3-1:500

60W

□90mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μF/VAC
						mN.m	gf.cm	mN.m	gf.cm		
51K60GU-CF 51K60A-CF	感應 Induction	60	單相 1-phase 220	50	0.45	551	5510	441	4410	1350	3.5/450
5RK60GU-CF 5RK60A-CF				可逆 Reversible	60	0.48	462	4620	370	3700	1550
51K60GU-AF 51K60A-AF	感應 Induction	60	單相 1-phase 110	50	0.90	551	5510	441	4410	1350	14/250
5RK60GU-AF 5RK60A-AF				可逆 Reversible	60	0.88	462	4620	370	3700	1550
51K60GU-UF 51K60A-UF	—	60	三相 3-phase 380	50	0.30	551	5510	441	4410	1350	—
5RK60GU-SF 5RK60A-SF	—	60	三相 3-phase 220	50	0.28	462	4620	370	3700	1550	—
				60	0.52	551	5510	441	4410	1350	—
				60	0.52	551	5510	441	4410	1350	—

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

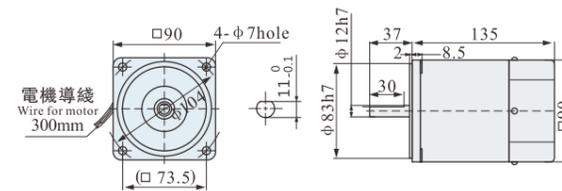
減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	減速比 ratio																									
		3	4	5	6	7.5	10	12.5	15	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500		
最大允許負載 Max allowable load	60W	kg.cm	11	14.6	18	21.8	27	36	41	50	65	81	98	117	130	147											200
		N.m	1.08	1.42	1.77	2.14	2.64	3.57	4.02	4.80	6.24	8.03	9.64	11.5	12.8	14.4											19.6

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

51K60A-AF 5RK60A-AF
51K60A-CF 5RK60A-CF
51K60A-YF 5RK60A-YF

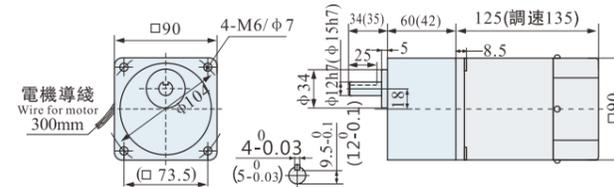


結構：電動機 Structure: Electric motor
重量：2.6kg Weight: 2.6kg

定速型

Optical axis type

51K60GU-AF 5RK60GU-AF
51K60GU-CF 5RK60GU-CF
51K60GU-YF 5RK60GU-YF

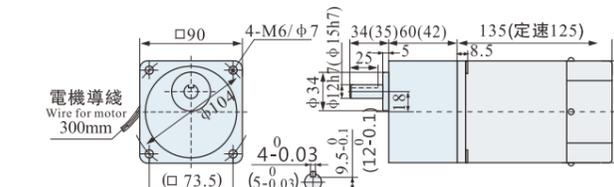


結構：減速器+電動機 Structure: Reducer+Electric motor
重量：3.8kg Weight: 3.8kg
減速比：1:3-1:500 Speed Reducing Ratio: 1:3-1:500

調速型

Speed regulation type

51K60RGU-AF 5RK60RGU-AF
51K60RGU-CF 5RK60RGU-CF

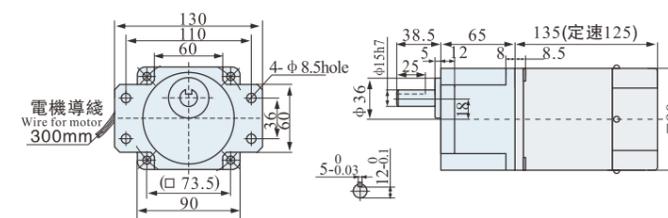


結構：減速器+電動機+調速器 Structure: Reducer+Electric motor+Speed governor
重量：3.9kg Weight: 3.9kg
減速比：1:3-1:500 Speed Reducing Ratio: 1:3-1:500

90GS定速型

Optical axis type

51K60GU-AF 5RK60GU-AF
51K60GU-CF 5RK60GU-CF
51K60GU-YF 5RK60GU-YF
51K60GU-SF 5RK60GU-SF

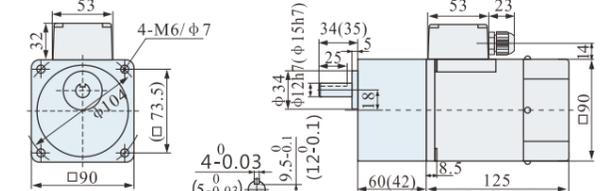


結構：減速器+電動機+調速器 Structure: Reducer+Electric motor+Speed governor
重量：3.9kg Weight: 3.9kg
減速比：1:3-1:500 Speed Reducing Ratio: 1:3-1:500

帶端子箱型

With terminal box type

51K60GU-AFT 5RK60GU-AFT
51K60GU-CFT 5RK60GU-CFT
51K60GU-U(Y)FT 5RK60GU-U(Y)FT
51K60GU-SFT 5RK60GU-SFT

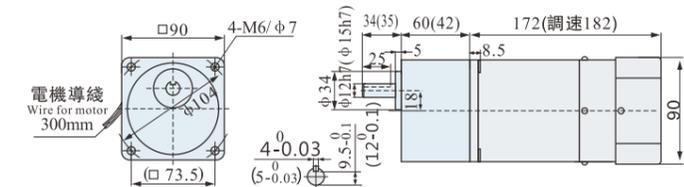


結構：減速器+電動機+端子箱 Structure: Reducer+Electric motor+Terminal box
重量：3.9kg Weight: 3.9kg
減速比：1:3-1:500 Speed Reducing Ratio: 1:3-1:500

制動定速型

Brake Optical axis type

51K60GU-AFM 5RK60GU-AFM
51K60GU-CFM 5RK60GU-CFM
51K60GU-YFM 5RK60GU-YFM

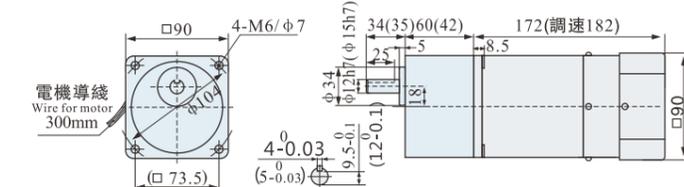


結構：減速器+電動機+制動器 Structure: Reducer+Electric motor+Brake
重量：4kg Weight: 4kg
減速比：1:3-1:500 Speed Reducing Ratio: 1:3-1:500

制動調速型

Brake Speed regulation type

51K60RGU-AFM 5RK60RGU-AFM
51K60RGU-CFM 5RK60RGU-CFM

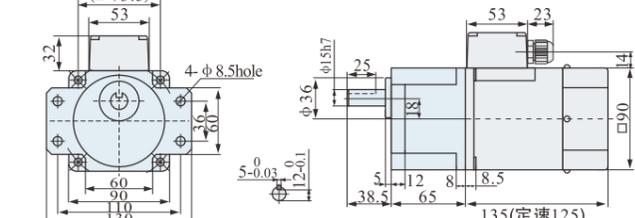


結構：減速器+電動機+制動器+調速器 Structure: Reducer+Electric motor+Brake+Speed governor
重量：4.1kg Weight: 4.1kg
減速比：1:3-1:500 Speed Reducing Ratio: 1:3-1:500

90GS帶端子箱型

With terminal box type

51K60GU-AFT 5RK60GU-AFT
51K60GU-CFT 5RK60GU-CFT
51K60GU-U(Y)FT 5RK60GU-U(Y)FT
51K60GU-SFT 5RK60GU-SFT



結構：減速器+電動機+端子箱 Structure: Reducer+Electric motor+Terminal box
重量：4kg Weight: 4kg
減速比：1:3-1:500 Speed Reducing Ratio: 1:3-1:500

90/120W

□90mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/ve μF/VAC
						mN.m	gf.cm	mN.m	gf.cm		
5IK90GU-CF 5IK90A-CF	感應 Induction	90	單相 1-phase 220	50	0.62	837	8370	670	6700	1350	5/450
5IK90A-CF				60	0.60	692	6920	554	5540	1550	5/450
5RK90GU-CF 5RK90A-CF	可逆 Reversible	90	單相 1-phase 220	50	0.68	837	8370	670	6700	1350	6/450
5RK90A-CF				60	0.72	692	6920	554	5540	1550	6/450
5IK90GU-AF 5IK90A-AF	感應 Induction	90	單相 1-phase 110	50	1.25	837	8370	670	6700	1350	20/250
5IK90A-AF				60	1.2	692	6920	554	5540	1550	18/250
5RK90GU-AF 5RK90A-AF	可逆 Reversible	90	單相 1-phase 110	50	1.38	837	8370	670	6700	1350	24/250
5RK90A-AF				60	1.5	692	6920	554	5540	1550	24/250
5IK90GU-UF 5IK90A-UF	—	90	三相 3-phase 380	50	0.32	837	8370	670	6700	1350	—
5IK90A-UF				60	0.3	692	6920	554	5540	1500	—
5RK90GU-SF 5RK90A-SF	—	90	三相 3-phase 220	50	0.55	837	8370	670	6700	1350	—
5RK90A-SF				60	0.48	692	6920	554	5540	1500	—
5IK120GU-CF 5IK120A-CF	感應 Induction	120	單相 1-phase 220	50	0.85	1137	11370	910	9100	1350	6/450
5IK120A-CF				60	0.82	955	9550	764	7640	1500	6/450
5RK120GU-CF 5RK120A-CF	可逆 Reversible	120	單相 1-phase 220	50	0.95	1137	11370	910	9100	1350	8/450
5RK120A-CF				60	1.0	955	9550	764	7640	1500	8/450
5IK120GU-AF 5IK120A-AF	感應 Induction	120	單相 1-phase 110	50	1.7	1137	11370	910	9100	1350	24/250
5IK120A-AF				60	1.65	955	9550	764	7640	1500	24/250
5RK120GU-AF 5RK120A-AF	可逆 Reversible	120	單相 1-phase 110	50	1.9	1137	11370	910	9100	1350	30/250
5RK120A-AF				60	2.1	955	9550	764	7640	1500	30/250
5RK120GU-UF 5RK120A-UF	—	120	三相 3-phase 380	50	0.34	1137	11370	910	9100	1350	—
5RK120A-UF				60	0.31	955	9550	764	7640	1500	—
5RK120GU-SF 5RK120A-SF	—	120	三相 3-phase 220	50	0.59	1137	11370	910	9100	1350	—
5RK120A-SF				60	0.54	955	9550	764	7640	1500	—

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	減速比i ratio																							
		500	300	250	200	150	120	100	75	60	50	45	37.5	30	25	20	15	12.5	10	8	7.5	6	5	3	
最大允許負載 Max allowable load	90W	kg.cm	15.7	26.5	31.5	39.4	52.5	65.7	71	94.6	118	141	170	189											200
		N.m	1.54	2.6	3.1	3.86	5.15	6.44	6.96	9.28	11.6	13.9	16.7	18.5											19.6
	120W	kg.cm	21.5	36	42	54	70	87.5	98	126	148	189											200		
		N.m	2.11	3.52	4.13	5.28	6.88	8.59	9.6	12.4	14.5	18.5											19.6		

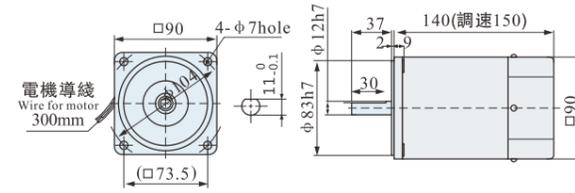
- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

5IK90(120)A-AF 5RK90(120)A-AF
5IK90(120)A-CF 5RK90(120)A-CF
5IK90(120)A-YF 5RK90(120)A-YF



結構：電動機
重量：3.1kg

Structure: Electric motor
Weight: 3.1kg

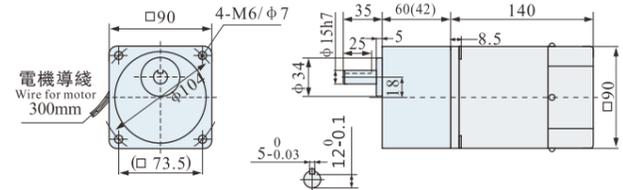
定速型

Optical axis type

齒輪品名

Name of Gear 5GU □K

5IK90(120)GU-AF 5RK90(120)GU-AF
5IK90(120)GU-CF 5RK90(120)GU-CF
5IK90(120)GU-U(Y)F 5RK90(120)GU-U(Y)F
5IK90(120)GU-SF 5RK90(120)GU-SF



結構：減速器+電動機
重量：3.8kg
減速比：1:3-1:500

Structure: Reducer+Electric motor
Weight: 3.8kg
Speed Reducing Ratio : 1:3-1:500

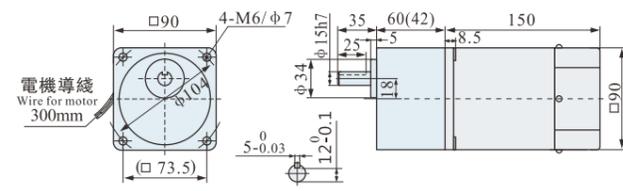
調速型

Speed regulation type

齒輪品名

Name of Gear 5GU □K

5IK90(120)RGU-AF 5RK90(120)RGU-AF
5IK90(120)RGU-CF 5RK90(120)RGU-CF



結構：減速器+電動機+調速器
重量：3.9kg
減速比：1:3-1:500

Structure: Reducer+Electric motor+Speed governor
Weight: 3.9kg
Speed Reducing Ratio : 1:3-1:500

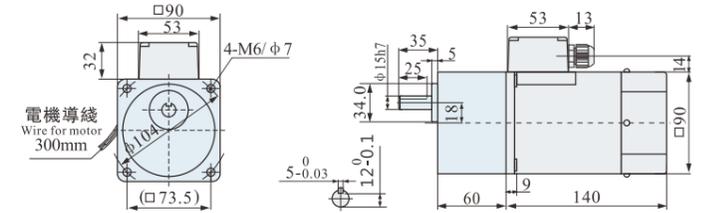
90GU帶端子箱型

With terminal box type

齒輪品名

Name of Gear 5GU □K

5IK90(120)GU-AFT 5RK90(120)GU-AFT
5IK90(120)GU-CFT 5RK90(120)GU-CFT
5IK90(120)GU-U(Y)FT 5RK90(120)GU-U(Y)FT
5IK90(120)GU-SFT 5RK90(120)GU-SFT



結構：減速器+電動機+端子箱
重量：4.3kg
減速比：1:3-1:500

Structure: Reducer+Electric motor+Terminal box
Weight: 4.3kg
Speed Reducing Ratio : 1:3-1:500

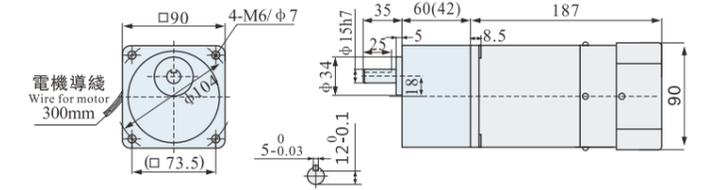
制車定速型

Brake Optical axis type

齒輪品名

Name of Gear 5GU □K

5IK90(120)GU-AFM 5RK90(120)GU-AFM
5IK90(120)GU-CFM 5RK90(120)GU-CFM
5IK90(120)GU-U(Y)FM 5RK90(120)GU-U(Y)FM
5IK90(120)GU-SFM 5RK90(120)GU-SFM



結構：減速器+電動機+制車器
重量：4kg
減速比：1:3-1:500

Structure: Reducer+Electric motor+Brake
Weight: 4kg
Speed Reducing Ratio : 1:3-1:500

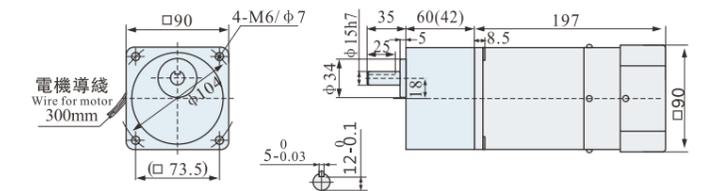
制車調速型

Brake Speed regulation type

齒輪品名

Name of Gear 5GU □K

5IK90(120)RGU-AFM 5RK90(120)RGU-AFM
5IK90(120)RGU-CFM 5RK90(120)RGU-CFM



結構：減速器+電動機+制車器+調速器
重量：4.1kg
減速比：1:3-1:500

Structure: Reducer+Electric motor+Brake +Speed governor
Weight: 4.1kg
Speed Reducing Ratio : 1:3-1:500

減速電機

自始至終 精益求精
From beginning to end, strive for perfection

90/120W

□90mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μF/VAC
						mN.m	gf.cm	mN.m	gf.cm		
5IK90GU-CF 5IK90A-CF	感應 Induction	90	單相 1-phase 220	50	0.62	837	8370	670	6700	1350	5/450
5RK90GU-CF 5RK90A-CF				可逆 Reversible	60	0.60	692	6920	554	5540	1550
5IK90GU-AF 5IK90A-AF	感應 Induction	90	單相 1-phase 110	50	1.25	837	8370	670	6700	1350	20/250
5RK90GU-AF 5RK90A-AF				可逆 Reversible	60	1.2	692	6920	554	5540	1550
5IK90GU-UF 5IK90A-UF	—	90	三相 3-phase 380	50	0.32	837	8370	670	6700	1350	—
5RK90GU-SF 5RK90A-SF				—	60	0.3	692	6920	554	5540	1500
5IK120GU-CF 5IK120A-CF	感應 Induction	120	單相 1-phase 220	50	0.85	1137	11370	910	9100	1350	6/450
5RK120GU-CF 5RK120A-CF				可逆 Reversible	60	0.82	955	9550	764	7640	1500
5IK120GU-AF 5IK120A-AF	感應 Induction	120	單相 1-phase 110	50	1.7	1137	11370	910	9100	1350	24/250
5RK120GU-AF 5RK120A-AF				可逆 Reversible	60	1.65	955	9550	764	7640	1500
5RK120GU-UF 5RK120A-UF	—	120	三相 3-phase 380	50	0.34	1137	11370	910	9100	1350	—
5RK120GU-SF 5RK120A-SF				—	60	0.31	955	9550	764	7640	1500

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	減速比i ratio																							
		3	5	6	7.5	10	12.5	15	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500	
最大允許負載 Max allowable load	90W	kg.cm 15.7	26.5	31.5	39.4	52.5	65.7	71	94.6	118	141	170	189											200	19.6
	120W	kg.cm 21.5	36	42	54	70	87.7	98	126	148	189											200	19.6		

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

定速型

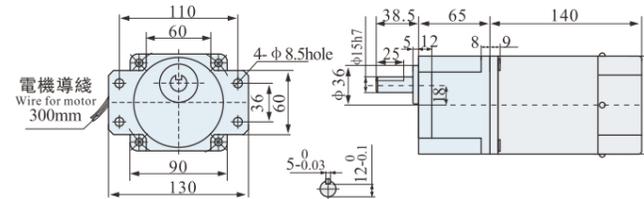
Optical axis type

齒輪品名

Name of Gear 5GS□K

5IK90(120)GU-AF
5IK90(120)GU-CF
5IK90(120)GU-U(Y)F
5IK90(120)GU-SF

5RK90(120)GU-AF
5RK90(120)GU-CF
5RK90(120)GU-U(Y)F
5RK90(120)GU-SF



結構：減速器+電動機
重量：4.4kg
減速比：1:3-1:500

Structure: Reducer+Electric motor
Weight: 4.4kg
Speed Reducing Ratio: 1:3-1:500

剎車定速型

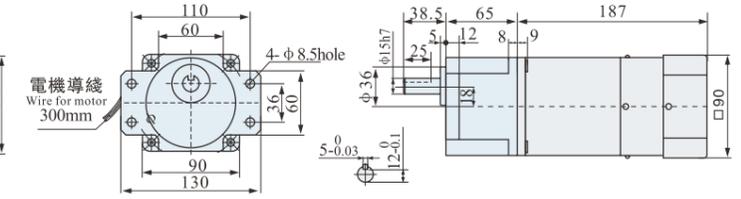
Brake Optical axis type

齒輪品名

Name of Gear 5GS□K

5IK90(120)GU-AFM
5IK90(120)GU-CFM
5IK90(120)GU-U(Y)FM
5IK90(120)GU-SFM

5RK90(120)GU-AFM
5RK90(120)GU-CFM
5RK90(120)GU-U(Y)FM
5RK90(120)GU-SFM



結構：減速器+電動機+剎車器
重量：4.9kg
減速比：1:3-1:500

Structure: Reducer+Electric motor+Brake
Weight: 4.9kg
Speed Reducing Ratio: 1:3-1:500

調速型

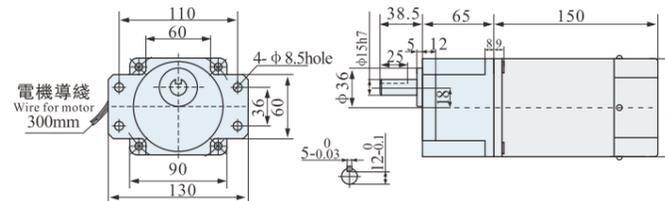
Speed regulation type

齒輪品名

Name of Gear 5GS□K

5IK90(120)RGU-AF
5IK90(120)RGU-CF

5RK90(120)RGU-AF
5RK90(120)RGU-CF



結構：減速器+電動機+調速器
重量：4.5kg
減速比：1:3-1:500

Structure: Reducer+Electric motor+Speed governor
Weight: 4.5kg
Speed Reducing Ratio: 1:3-1:500

剎車調速型

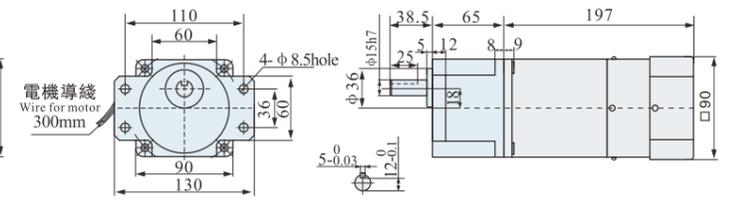
Brake Speed regulation type

齒輪品名

Name of Gear 5GS□K

5IK90(120)RGU-AFM
5IK90(120)RGU-CFM

5RK90(120)RGU-AFM
5RK90(120)RGU-CFM



結構：減速器+電動機+剎車器+調速器
重量：4.9kg
減速比：1:3-1:500

Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 4.9kg
Speed Reducing Ratio: 1:3-1:500

帶端子箱型

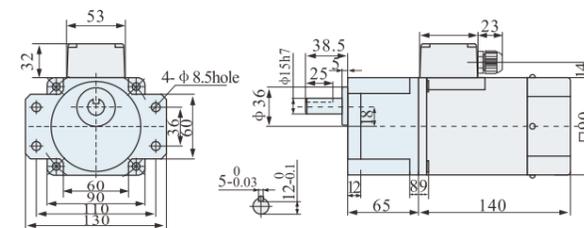
With terminal box type

齒輪品名

Name of Gear 5GS□K

5IK90(120)GU-AFT
5IK90(120)GU-CFT
5IK90(120)GU-U(Y)FT
5IK90(120)GU-SFT

5RK90(120)GU-AFT
5RK90(120)GU-CFT
5RK90(120)GU-U(Y)FT
5RK90(120)GU-SFT



結構：減速器+電動機+端子箱
Structure: Reducer+Electric motor+Terminal box

重量：4.5kg 減速比：1:3-1:500
Weight: 4.5kg Speed Reducing Ratio: 1:3-1:500

140W

□90mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque mN.m	額定扭矩 Rated Torque mN.m	額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μF/VAC
公司型號 JWD types									
5RK-140GU-CF	可逆式 Reversible	140	單相 1-phase 220	50	1.02	1188	990	1350	10μF/500V
5IK-140GU-CF	感應 Induction			50	0.93	1188	990	1350	
5RK-140GU-AF	可逆式 Reversible	140	單相 1-phase 110	50	3.6	1188	990	1350	30μF/250V
5IK-140GU-AF	感應 Induction			50	3.1	1188	990	1350	
5RK-140GU-UF	—	140	三相 3-phase 380	50	0.5	1016	990	1350	—
5RK-140GU-SF	—			50	1.72	1188	990	1350	
5RK-140GU-SF	—	140	三相 3-phase 220	50	1.85	1034	862	1550	—
5RK-140GU-SF	—			60	1.85	1034	862	1550	

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

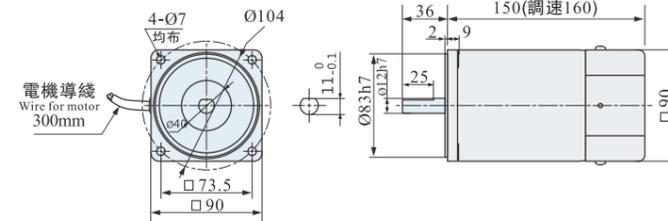
減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	500	375	300	250	200	150	120	100	83	75	60	50	40	35	30	25	20
	減速比i ratio	3	4	5	6	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75
最大允許負載 Max allowable load	140W	kg.cm	26.9	35.2	44.2	54.3	65.1	86.1	111.3	130.1	155.2	168.3	200					
		N.m	2.68	3.5	4.4	5.4	6.5	8.5	11.1	12.7	15.2	16.7	19.6					

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

5IK140A-AF 5RK140A-AF
5IK140A-CF 5RK140A-CF
5IK140A-YF 5RK140A-YF



結構：電動機
重量：3.5kg
Structure: Electric motor
Weight: 3.5kg

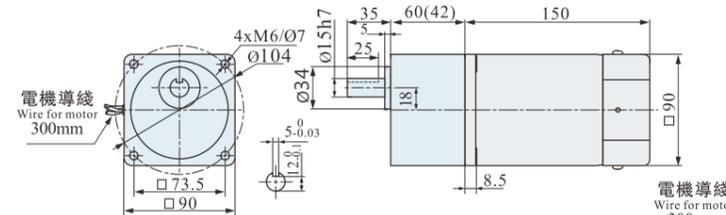
定速型

Optical axis type

齒輪品名

Name of Gear 5GU □K

5IK140GU-AF 5RK140GU-AF
5IK140GU-CF 5RK140GU-CF
5IK140GU-U(Y)F 5RK140GU-U(Y)F
5IK140GU-SF 5RK140GU-SF



結構：減速器+電動機
重量：4.7kg
減速比：1:3-1:500
Structure: Reducer+Electric motor
Weight: 4.7kg
Speed Reducing Ratio: 1:3-1:500

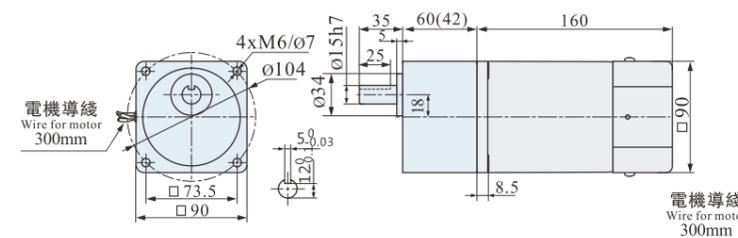
調速型

Speed regulation type

齒輪品名

Name of Gear 5GU □K

5IK140RGU-AF 5RK140RGU-AF
5IK140RGU-CF 5RK140RGU-CF

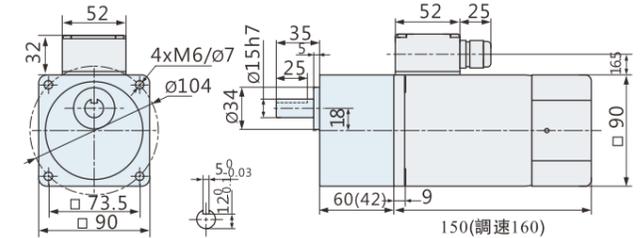


結構：減速器+電動機+調速器
重量：4.8kg
減速比：1:3-1:500
Structure: Reducer+Electric motor+Speed governor
Weight: 4.8kg
Speed Reducing Ratio: 1:3-1:500

帶端子箱型

With terminal box type

5IK140GU-AFT 5RK140GU-AFT
5IK140GU-CFT 5RK140GU-CFT
5IK140GU-U(Y)FT 5RK140GU-U(Y)FT
5IK140GU-SFT 5RK140GU-SFT



結構：減速器+電動機+端子箱
重量：4.9kg
減速比：1:3-1:500
Structure: Reducer+Electric motor+Terminal box
Weight: 4.9kg
Speed Reducing Ratio: 1:3-1:500

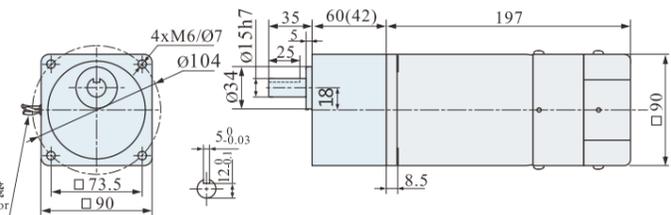
剎車定速型

Brake Optical axis type

齒輪品名

Name of Gear 5GU □K

5IK140GU-AFM 5RK140GU-AFM
5IK140GU-CFM 5RK140GU-CFM
5IK140GU-U(Y)FM 5RK140GU-U(Y)FM
5IK140GU-SFM 5RK140GU-SFM



結構：減速器+電動機+剎車器
重量：5.1kg
減速比：1:3-1:500
Structure: Reducer+Electric motor+Brake
Weight: 5.1kg
Speed Reducing Ratio: 1:3-1:500

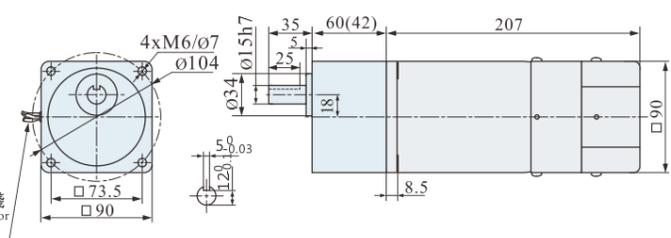
剎車調速型

Brake Speed regulation type

齒輪品名

Name of Gear 5GU □K

5IK140RGU-AFM 5RK140RGU-AFM
5IK140RGU-CFM 5RK140RGU-CFM



結構：減速器+電動機+剎車器+調速器
重量：5.2kg
減速比：1:3-1:500
Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 5.2kg
Speed Reducing Ratio: 1:3-1:500

180W

□90mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque mN.m	額定扭矩 Rated Torque mN.m	額定轉速 Rated Speed Revolution r/min	電容量/耐壓 Capacity/Ve μF/VAC
公司型號 JWD types									
5RK-180GU-CF	可逆式 Reversible	180	單相 1-phase 220	50	1.3	1528	1273	1350	10μF/500V
5IK-180GU-CF	感應 Induction			50	1.1	1528	1273	1350	
5RK-180GU-AF	可逆式 Reversible	180	單相 1-phase 110	50	1.9	1528	1273	1350	30μF/250V
5IK-180GU-AF	感應 Induction			50	1.5	1528	1273	1350	
5RK-180GU-UF	—	180	三相 3-phase 380	50	0.6	1284	1228	1400	—
5RK-180GU-SF	—			50	1.5	1284	1228	1400	
				60	1.7	1331	1109	1550	

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	500	375	300	250	200	150	120	100	83	75	60	50	40	35	30	25	20		
	減速比i ratio	3	4	5	6	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75		
最大允許負載 Max allowable load	140W	kg.cm	35.2	45.2	56.1	68.3	87.1	113.3	143.5	163.2										200
		N.m	3.4	4.5	5.5	6.7	8.6	11.3	14.3	16.3										19.6

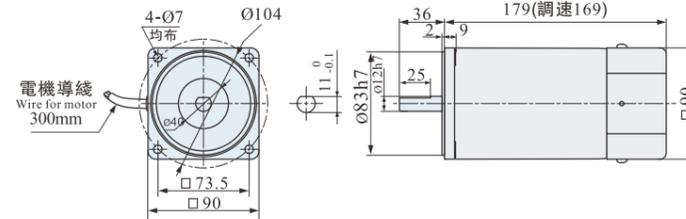
- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

5IK180A-AF
5IK180A-CF
5IK180A-YF

5RK180A-AF
5RK180A-CF
5RK180A-YF



結構：電動機
重量：3.8kg

Structure: Electric motor
Weight: 3.8kg

定速型

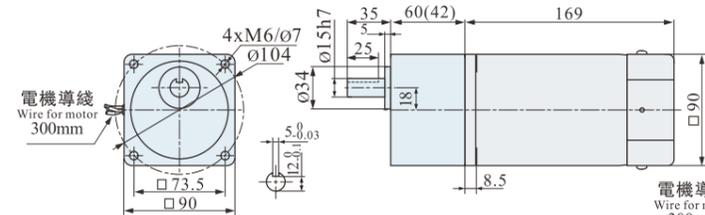
Optical axis type

5IK180GU-AF
5IK180GU-CF
5IK180GU-U(Y)F
5IK180GU-SF

齒輪品名

Name of Gear 5GU □K

5RK180GU-AF
5RK180GU-CF
5RK180GU-U(Y)F
5RK180GU-SF



結構：減速器+電動機
重量：5.3kg
減速比：1:3-1:500

Structure: Reducer+Electric motor
Weight: 5.3kg
Speed Reducing Ratio: 1:3-1:500

調速型

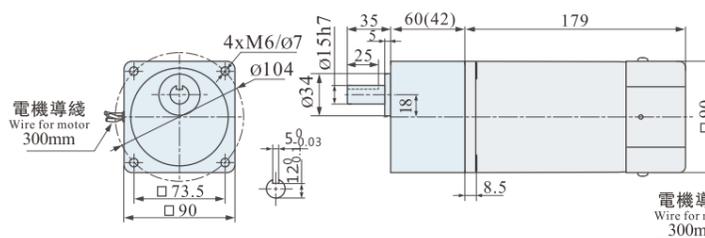
Speed regulation type

5IK180RGU-AF
5IK180RGU-CF

齒輪品名

Name of Gear 5GU □K

5RK180RGU-AF
5RK180RGU-CF



結構：減速器+電動機+調速器
重量：5.4kg
減速比：1:3-1:500

Structure: Reducer+Electric motor+Speed governor
Weight: 5.4kg
Speed Reducing Ratio: 1:3-1:500

帶端子箱型

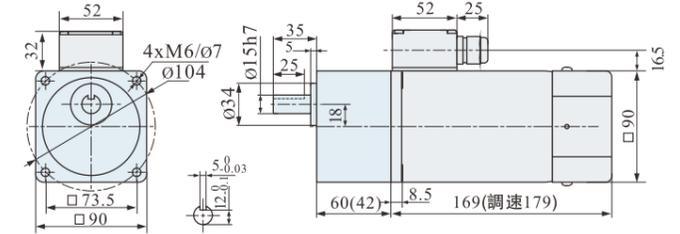
With terminal box type

5IK180GU-AFT
5IK180GU-CFT
5IK180GU-U(Y)FT
5IK180GU-SFT

齒輪品名

Name of Gear 5GU □K

5RK180GU-AFT
5RK180GU-CFT
5RK180GU-U(Y)FT
5RK180GU-SFT



結構：減速器+電動機+端子箱
重量：5.5kg
減速比：1:3-1:500

Structure: Reducer+Electric motor+Terminal box
Weight: 5.5kg
Speed Reducing Ratio: 1:3-1:500

剎車定速型

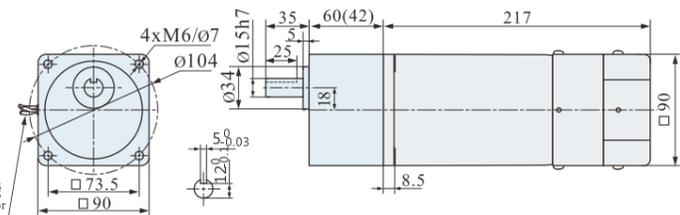
Brake Optical axis type

5IK180GU-AFM
5IK180GU-CFM
5IK180GU-U(Y)FM
5IK180GU-SFM

齒輪品名

Name of Gear 5GU □K

5RK180GU-AFM
5RK180GU-CFM
5RK180GU-U(Y)FM
5RK180GU-SFM



結構：減速器+電動機+剎車器
重量：5.7kg
減速比：1:3-1:500

Structure: Reducer+Electric motor+Brake
Weight: 5.7kg
Speed Reducing Ratio: 1:3-1:500

剎車調速型

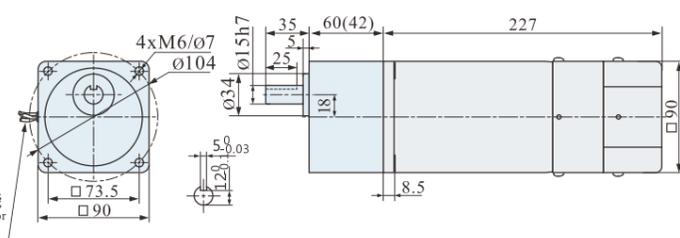
Brake Speed regulation type

5IK180RGU-AFM
5IK180RGU-CFM

齒輪品名

Name of Gear 5GU □K

5RK180RGU-AFM
5RK180RGU-CFM



結構：減速器+電動機+剎車器+調速器
重量：5.8kg
減速比：1:3-1:500

Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 5.8kg
Speed Reducing Ratio: 1:3-1:500

120/140W

□100mm

電機特性

List of motor characteristics



電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μF/VAC
						mN.m	gf.cm	mN.m	gf.cm		
6IK120GU-CF 6IK120A-CF	感應 Induction	120	單相 1-phase 220	50	1.0	1100	11000	880	8800	1350	6/450
6RK120GU-CF 6RK120A-CF	可逆 Reversible			60	1.0	925	9250	740	7400	1550	6/450
6IK120GU-AF 6IK120A-AF	感應 Induction	120	單相 1-phase 110	50	1.7	1100	11000	880	8800	1350	30/250
6RK120GU-AF 6RK120A-AF	可逆 Reversible			60	1.6	925	9250	740	7400	1550	28/250
6IK120GU-UF 6IK120A-UF	—	120	三相 3-phase 380	50	0.46	1100	11000	880	8800	1350	—
6RK120GU-SF 6RK120A-SF	—			60	0.42	925	9250	740	7400	1550	—
6IK140GU-CF 6IK140A-CF	感應 Induction	140	單相 1-phase 220	50	1.23	1285	12850	1028	10280	1350	8/450
6RK140GU-CF 6RK140A-CF	可逆 Reversible			60	1.12	1078	10780	863	8630	1550	8/450
6IK140GU-AF 6IK140A-AF	感應 Induction	140	單相 1-phase 110	50	1.3	1285	12850	1028	10280	1350	10/450
6RK140GU-AF 6RK140A-AF	可逆 Reversible			60	1.43	1078	10780	863	8630	1550	10/450
6IK140GU-UF 6IK140A-UF	—	140	三相 3-phase 380	50	2.05	1285	12850	1028	10280	1350	32/250
6RK140GU-SF 6RK140A-SF	—			60	1.9	1078	10780	863	8630	1550	30/250
6IK140GU-UF 6IK140A-UF	—	140	三相 3-phase 220	50	0.55	1285	12850	1028	10280	1350	—
6RK140GU-SF 6RK140A-SF	—			60	0.46	1078	10780	863	8630	1550	—

- 上表參數是指電機單體，不附加任何負荷裝置。
- Parameters in above table refer to motor alone, without any load device.
- 電機額定轉速、額定電流允許在±5%範圍內變動。
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

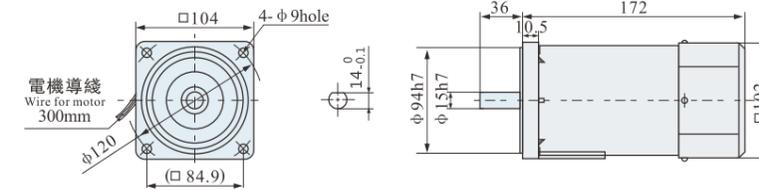
減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	減速比 ratio																						
		500	300	200	150	120	100	83	75	60	50	41	37	30	25	20	15	12	10	8	7	6	5	3
最大允許負載 Max allowable load	120W	kg.cm	21.5	36	54	69.8	85	103	125	139	172	209	226	251	314	377							440	43
		N.m	2.11	3.52	5.28	6.85	8.45	10.2	12.3	13.6	16.9	20.5	22.14	24.6	30.8	36.9							43	4
	140W	kg.cm	25.1	42	63	73.5	99.2	120	132	147	200.7	221	238	265	331	398							440	43
		N.m	2.46	4.11	6.16	8.02	9.86	11.8	13	14.4	19.73	21.7	23.4	26	32.5	39							43	4

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope if the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

- 6IK120(140)A-AF 6RK120(140)A-AF
- 6IK120(140)A-CF 6RK120(140)A-CF
- 6IK120(140)A-YF 6RK120(140)A-YF



結構：電動機 Structure: Electric motor
重量：4.8kg Weight: 4.8kg

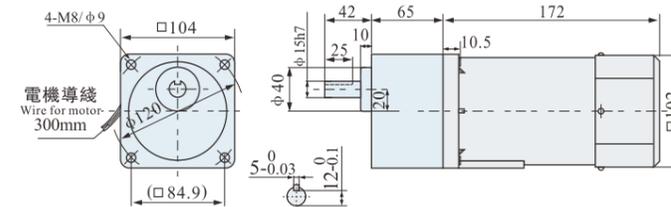
定速型

Optical axis type

齒輪品名

6GU□K

- 6IK120(140)GU-AF 6RK120(140)GU-AF
- 6IK120(140)GU-CF 6RK120(140)GU-CF
- 6IK120(140)GU-YF 6RK120(140)GU-YF



結構：減速器+電動機 Structure: Reducer+Electric motor
重量：6.4kg Weight: 6.4kg
減速比：1:3-1:250 Speed Reducing Ratio: 1:3-1:250

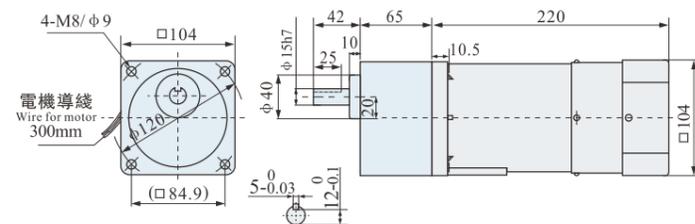
剎車定速型

Brake Optical axis type

齒輪品名

6GU□K

- 6IK120(140)GU-AFM 6RK120(140)GU-AFM
- 6IK120(140)GU-CFM 6RK120(140)GU-CFM
- 6IK120(140)GU-YFM 6RK120(140)GU-YFM



結構：減速器+電動機+剎車器 Structure: Reducer+Electric motor+Brake
重量：6.9kg Weight: 6.9kg
減速比：1:3-1:250 Speed Reducing Ratio: 1:3-1:250

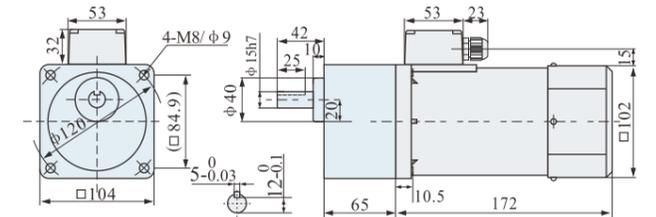
帶端子箱型

With terminal box type

齒輪品名

6GU□K

- 6IK120(140)GU-AFT 6RK120(140)GU-AFT
- 6IK120(140)GU-CFT 6RK120(140)GU-CFT
- 6IK120(140)GU-U(Y)FT 6RK120(140)GU-U(Y)FT
- 6IK120(140)GU-SFT 6RK120(140)GU-SFT



結構：減速器+電動機+端子箱 Structure: Reducer+Electric motor+Terminal box
重量：6.5kg Weight: 6.5kg
減速比：1:3-1:250 Speed Reducing Ratio: 1:3-1:250

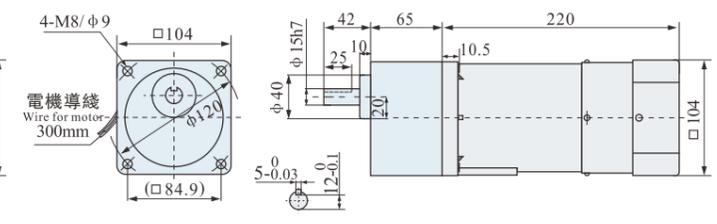
剎車調速型

Brake Speed regulation type

齒輪品名

6GU□K

- 6IK120(140)RGU-AFM 6RK120(140)RGU-AFM
- 6IK120(140)RGU-CFM 6RK120(140)RGU-CFM



結構：減速器+電動機+剎車器+調速器 Structure: Reducer+Electric motor+Brake+Speed governor
重量：6.9kg Weight: 6.9kg
減速比：1:3-1:250 Speed Reducing Ratio: 1:3-1:250

160/180W

□100mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μF/VAC
						mN.m	gf.cm	mN.m	gf.cm		
6IK160GU-CF 6IK160A-CF	感應 Induction	160	單相 1-phase 220	50	1.25	1575	15750	1260	12600	1350	8/450
6RK160GU-CF 6RK160A-CF				60	1.24	1225	12250	980	9800	1550	8/450
6IK160GU-AF 6IK160A-AF	可逆 Reversible	160	單相 1-phase 110	50	1.4	1575	15750	1260	12600	1350	10/450
6RK160GU-AF 6RK160A-AF				60	1.46	1225	12250	980	9800	1550	10/450
6IK160GU-UF 6IK160A-UF	—	160	三相 3-phase 380	50	0.55	1468	14680	1175	11750	1350	—
6RK160GU-SF 6RK160A-SF				60	0.50	1232	12320	986	9860	1550	—
6IK180GU-CF 6IK180A-CF	感應 Induction	180	單相 1-phase 220	50	1.50	1837	18370	1470	14700	1350	10/450
6RK180GU-CF 6RK180A-CF				60	1.46	1540	15400	1232	12320	1550	10/450
6IK180GU-AF 6IK180A-AF	可逆 Reversible	180	單相 1-phase 110	50	1.50	1837	18370	1470	14700	1350	12/450
6RK180GU-AF 6RK180A-AF				60	1.46	1540	15400	1232	12320	1550	12/450
6IK180GU-UF 6IK180A-UF	—	180	三相 3-phase 380	50	0.80	1825	18250	1460	14600	1350	—
6RK180GU-SF 6RK180A-SF				60	0.75	1475	14750	1180	11800	1550	—

● 上表參數是指電機單獨，不附加任何負荷裝置。
● 電機額定轉速、額定電流允許在±5%範圍內變動。

● Parameters in above table refer to motor alone, without any load device.
● Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

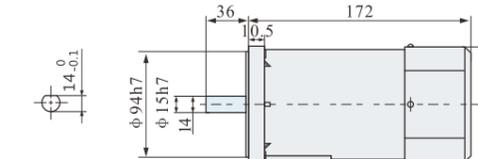
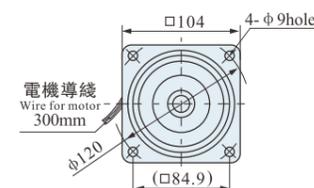
減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed																								
	500	300	200	150	120	100	83	75	60	50	41	37	30	25	20	15	12	10	8	7	6	5	3		
最大允許負載 Max allowable load	160W	kg.cm N.m	28.7	4.8	7.2	8.7	113.3	137.3	157	174	229	261	285	317	396									440	43
			3.2	5.4	8.1	94.7	127.5	154.5	170	189	237	284	310	344	430									440	43
最大允許負載 Max allowable load	180W	kg.cm N.m	32.3	5.4	8.1	94.7	127.5	154.5	170	189	237	284	310	344	430									440	43
			3.17	5.28	7.92	9.28	12.68	15.23	16.7	18.7	23.2	27.8	30.1	33.4	42.2									440	43

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

6IK160(180)A-AF 6RK160(180)A-AF
6IK160(180)A-CF 6RK160(180)A-CF
6IK160(180)A-YF 6RK160(180)A-YF



結構：電動機
重量：5kg
Structure: Electric motor
Weight: 5kg

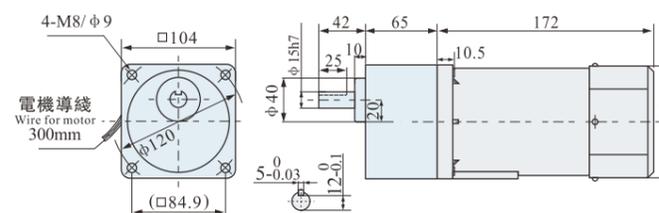
定速型

Optical axis type

齒輪品名

Name of Gear 6GU□K

6IK160(180)GU-AF 6RK160(180)GU-AF
6IK160(180)GU-CF 6RK160(180)GU-CF
6IK160(180)GU-YF 6RK160(180)GU-YF



結構：減速器+電動機
重量：6.6kg
減速比：1:3-1:250
Structure: Reducer+Electric motor
Weight: 6.6kg
Speed Reducing Ratio : 1:3-1:250

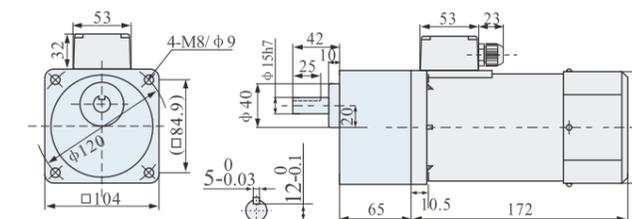
帶端子箱型

With terminal box type

齒輪品名

Name of Gear 6GU□K

6IK160(180)GU-AFT 6RK160(180)GU-AFT
6IK160(180)GU-CFT 6RK160(180)GU-CFT
6IK160(180)GU-U(Y)FT 6RK160(180)GU-U(Y)FT
6IK160(180)GU-SFT 6RK160(180)GU-SFT



結構：減速器+電動機+端子箱
重量：6.7kg
減速比：1:3-1:250
Structure: Reducer+Electric motor+Terminal box
Weight: 6.7kg
Speed Reducing Ratio : 1:3-1:250

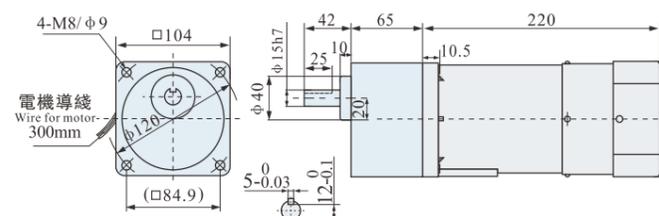
剎車定速型

Brake Optical axis type

齒輪品名

Name of Gear 6GU□K

6IK160(180)GU-AFM 6RK160(180)GU-AFM
6IK160(180)GU-CFM 6RK160(180)GU-CFM
6IK160(180)GU-YFM 6RK160(180)GU-YFM



結構：減速器+電動機+剎車器
重量：7kg
減速比：1:3-1:250
Structure: Reducer+Electric motor+Brake
Weight: 7kg
Speed Reducing Ratio : 1:3-1:250

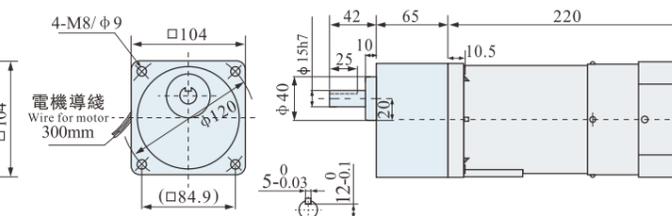
剎車調速型

Brake Speed regulation type

齒輪品名

Name of Gear 6GU□K

6IK160(180)RGU-AFM 6RK160(180)RGU-AFM
6IK160(180)RGU-CFM 6RK160(180)RGU-CFM



結構：減速器+電動機+剎車器+調速器
重量：7.1kg
減速比：1:3-1:250
Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 7.1kg
Speed Reducing Ratio : 1:3-1:250

200/250W

□100mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容容量/耐壓 Capacity/Ve μF/VAC
						mN.m	gf.cm	mN.m	gf.cm		
6IK200GU-CF 6IK200A-CF	感應 Induction	200	單相 1-phase 220	50	1.55	1485	14850	1414	14140	1350	8/450
6RK200GU-CF 6RK200A-CF				60	1.5	1294	12940	1232	12320	1550	8/450
6IK200GU-AF 6IK200A-AF	可逆 Reversible	200	單相 1-phase 110	50	1.55	1485	14850	1414	14140	1350	10/450
6RK200GU-AF 6RK200A-AF				60	1.5	1294	12940	1232	12320	1550	10/450
6IK200GU-UF 6IK200A-UF	感應 Induction	200	三相 3-phase 380	50	0.9	1600	16000	1450	14500	1350	—
6RK200GU-UF 6RK200A-UF				60	0.87	1386	13860	1260	12600	1550	—
6IK200GU-SF 6IK200A-SF	可逆 Reversible	200	三相 3-phase 220	50	1.15	1600	16000	1450	14500	1350	—
6RK200GU-SF 6RK200A-SF				60	1.1	1386	13860	1260	12600	1550	—
6IK250GU-CF 6IK250A-CF	感應 Induction	250	單相 1-phase 220	50	1.6	2020	20200	1837	18370	1350	10/450
6RK250GU-CF 6RK250A-CF				60	1.55	1700	17000	1540	15400	1550	10/450
6IK250GU-AF 6IK250A-AF	可逆 Reversible	250	單相 1-phase 110	50	1.6	2020	20200	1837	18370	1350	12/450
6RK250GU-AF 6RK250A-AF				60	1.55	1700	17000	1540	15400	1550	12/450
6IK250GU-UF 6IK250A-UF	感應 Induction	250	三相 3-phase 380	50	3.2	2020	20200	1837	18370	1350	40/250
6RK250GU-UF 6RK250A-UF				60	3.0	1700	17000	1540	15400	1550	40/250
6IK250GU-SF 6IK250A-SF	可逆 Reversible	250	三相 3-phase 220	50	3.3	2020	20200	1837	18370	1350	48/250
6RK250GU-SF 6RK250A-SF				60	3.2	1700	17000	1540	15400	1550	48/250

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	減速比i ratio																							
		3	5	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75	100	120	150	180	200	250			
最大允許負載 Max allowable load	200W	39.4	66	89.8	119	149	180	214	239	299	358	392	435											440	43
	250W	49.3	82.1	112	149	186	224	268	298	375	438											440	43		

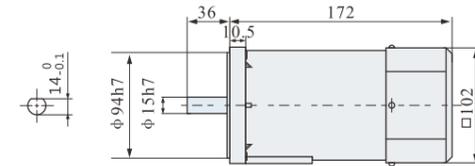
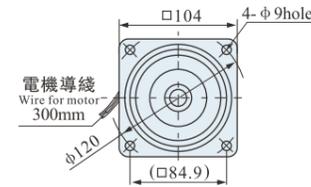
- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

- 6IK200(250)A-AF 6RK200(250)A-AF
- 6IK200(250)A-CF 6RK200(250)A-CF
- 6IK200(250)A-YF 6RK200(250)A-YF



結構：電動機 Structure: Electric motor
重量：5kg Weight: 5kg

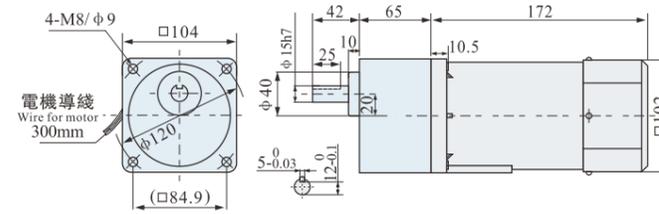
定速型

Optical axis type

齒輪品名

Name of Gear 6GU□K

- 6IK200(250)GU-AF 6RK200(250)GU-AF
- 6IK200(250)GU-CF 6RK200(250)GU-CF
- 6IK200(250)GU-YF 6RK200(250)GU-YF



結構：減速器+電動機
重量：6.6kg
減速比：1:3-1:250

Structure: Reducer+Electric motor
Weight: 6.6kg
Speed Reducing Ratio : 1:3-1:250

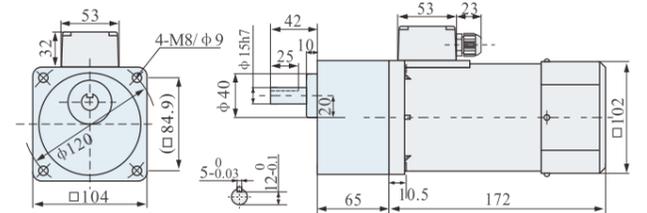
帶端子箱型

With terminal box type

齒輪品名

Name of Gear 6GU□K

- 6IK200(250)GU-AFT 6RK200(250)GU-AFT
- 6IK200(250)GU-CFT 6RK200(250)GU-CFT
- 6IK200(250)GU-U(Y)FT 6RK200(250)GU-U(Y)FT
- 6IK200(250)GU-SFT 6RK200(250)GU-SFT



結構：減速器+電動機+端子箱
重量：6.7kg
減速比：1:3-1:250

Structure: Reducer+Electric motor+Terminal box
Weight: 6.7kg
Speed Reducing Ratio : 1:3-1:250

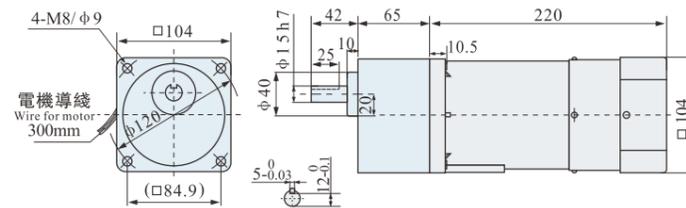
剎車定速型

Brake Optical axis type

齒輪品名

Name of Gear 6GU□K

- 6IK200(250)GU-AFM 6RK200(250)GU-AFM
- 6IK200(250)GU-CFM 6RK200(250)GU-CFM
- 6IK200(250)GU-YFM 6RK200(250)GU-YFM



結構：減速器+電動機+剎車器
重量：7kg
減速比：1:3-1:250

Structure: Reducer+Electric motor+Brake
Weight: 7kg
Speed Reducing Ratio : 1:3-1:250

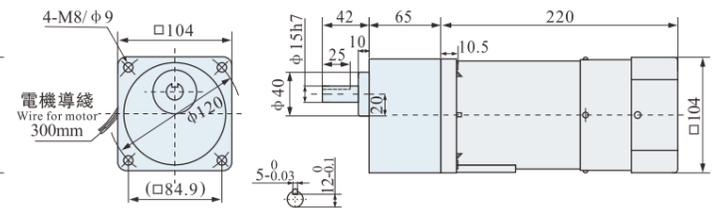
剎車調速型

Brake Speed regulation type

齒輪品名

Name of Gear 6GU□K

- 6IK200(250)RGU-AFM 6RK200(250)RGU-AFM
- 6IK200(250)RGU-CFM 6RK200(250)RGU-CFM



結構：減速器+電動機+剎車器+調速器
重量：7.1kg
減速比：1:3-1:250

Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 7.1kg
Speed Reducing Ratio : 1:3-1:250

370W

□100mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μF/VAC
						mN.m	gf.cm	mN.m	gf.cm		
6IK370GU-CF 6IK370A-CF	感應 Induction	370	單相 1-phase 220	50	2.3	2944	29440	2560	25660	1350	15/450
60				2.1	2622	26220	2280	22880	1550	15/450	
6RK370GU-CF 6RK370A-CF	可逆 Reversible			50	2.3	2944	29440	2560	25660	1350	15/450
60				2.1	2622	26220	2280	22880	1550	15/450	
6IK370GU-AF 6IK370A-AF	感應 Induction	370	單相 1-phase 110	50	3.0	2944	29440	2560	25660	1350	32/250
60				2.8	2622	26220	2280	22880	1550	30/250	
6RK370GU-AF 6RK370A-AF	可逆 Reversible			50	3.0	2944	29440	2560	25660	1350	40/250
60				2.8	2622	26220	2280	22880	1550	36/250	
6IK370GU-UF 6IK370A-UF	—	370	三相 3-phase 380	50	1.4	3018	30180	2624	26240	1350	—
60				1.2	2680	26800	2330	23300	1550	—	
6RK370GU-SF 6RK370A-SF	—	370	三相 3-phase 220	50	2.5	3018	30180	2624	26240	1350	—
60				2.0	2680	26800	2330	23300	1550	—	

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	減速比 ratio																						
		500	300	200	150	120	100	85	75	60	50	40	37	30	25	20	15	12	10	8	7	6		
最大允許負載 Max allowable load	370W	kg.cm	62.2	106	142	190	238	285	342	381													440	
		N.m	6.22	10.4	14.0	18.6	23.3	28	33.6	37.3													43	

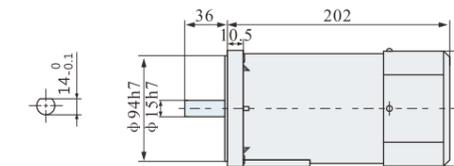
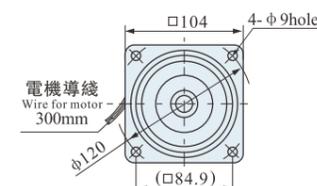
- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

6IK370A-AF	6RK370A-AF
6IK370A-CF	6RK370A-CF
6IK370A-YF	6RK370A-YF



結構：電動機 Structure: Electric motor
重量：5kg Weight: 5kg

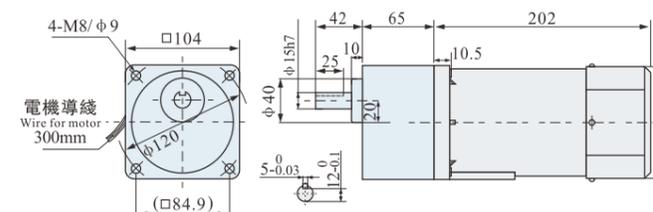
定速型

Optical axis type

齒輪品名

6GU□K

6IK370CU-AF	6RK370CU-AF
6IK370GU-CF	6RK370GU-CF
6IK370GU-YF	6RK370GU-YF



結構：減速器+電動機
重量：6.6kg
減速比：1:3-1:250
Structure: Reducer+Electric motor
Weight: 6.6kg
Speed Reducing Ratio : 1:3-1:250

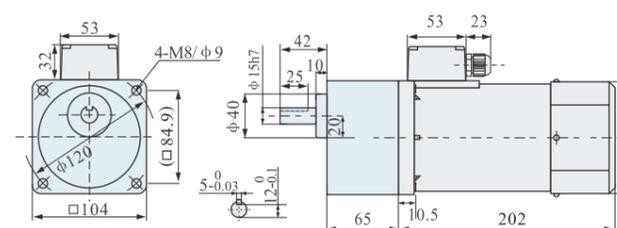
帶端子箱型

With terminal box type

齒輪品名

6GU□K

6IK370CU-AFT	6RK370CU-AFT
6IK370GU-CFT	6RK370GU-CFT
6IK370GU-U(Y)YF	6RK370GU-U(Y)YF
6IK370GU-SFT	6RK370GU-SFT



結構：減速器+電動機+端子箱
重量：6.7kg
減速比：1:3-1:250
Structure: Reducer+Electric motor+Terminal box
Weight: 6.7kg
Speed Reducing Ratio : 1:3-1:250

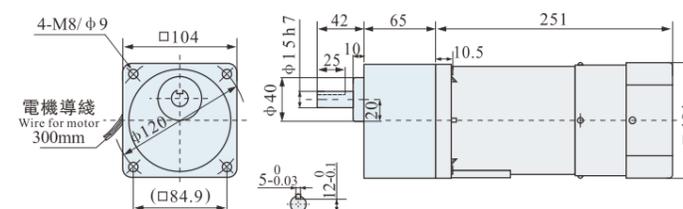
剎車定速型

Brake Optical axis type

齒輪品名

6GU□K

6IK370CU-AFM	6RK370CU-AFM
6IK370GU-CFM	6RK370GU-CFM
6IK370GU-YFM	6RK370GU-YFM



結構：減速器+電動機+剎車器
重量：7kg
減速比：1:3-1:250
Structure: Reducer+Electric motor+Brake
Weight: 7kg
Speed Reducing Ratio : 1:3-1:250

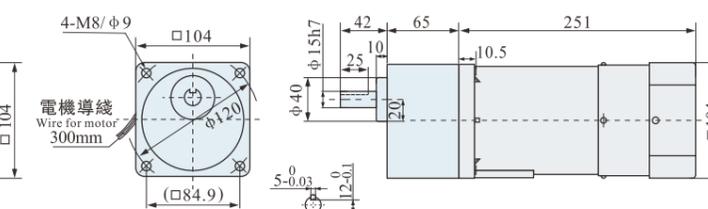
剎車調速型

Brake Speed regulation type

齒輪品名

6GU□K

6IK370RCU-AFM	6RK370RCU-AFM
6IK370RGU-CFM	6RK370RGU-CFM



結構：減速器+電動機+剎車器+調速器
重量：7.1kg
減速比：1:3-1:250
Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 7.1kg
Speed Reducing Ratio : 1:3-1:250

400W

□120mm



電機特性

List of motor characteristics

電機型號 Motor model	電機類型 Motor type	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque N.m	額定扭矩 Rated Torque N.m	額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/ve μF/VAC
71K400GU-AF	感應式 電動機	400	單相 1-phase 110	60	5.12	2.65	2.2	1650	90/250
71K400GU-CF			單相 1-phase 220	50	2.65	3.3	2.7	1400	15/500
71K400GU-UF	感應式 電動機	400	三相 3-phase 380	50	1.07	6.75	2.7	1400	
71K400GU-SF			三相 3-phase 220	60	1.85	5.5	2.2	1650	

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

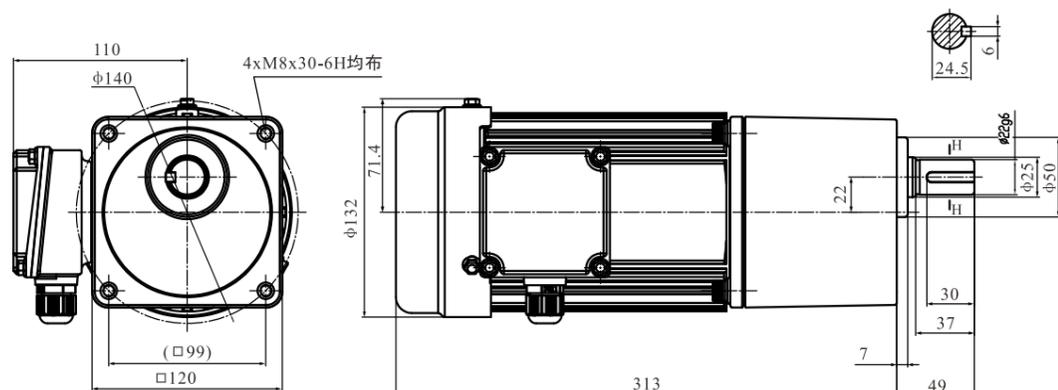
- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	300	200	150	120	100	83	75	60	50	41.7	37.5	30	25	20	16.7	15	12.5	10	8.3	
	減速比i ratio		5	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180
輸出轉矩及 最大允許負載 Max allowable load	50Hz	kgf.cm	118.5	177.6	236.7	295.9	332.7	399	443.9	554.1	665.3	798.0	826.5	826.5	826.5	826.5	826.5	826.5	826.5	826.5	826.5
		N.m	11.6	17.4	23.2	29.0	32.6	39.1	43.5	54.3	65.2	78.2	81	81	81	81	81	81	81	81	81

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.



750W

□120mm



電機特性

List of motor characteristics

電機型號 Motor model	電機類型 Motor type	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque N.m	額定扭矩 Rated Torque N.m	額定轉速 Rated Revolution r/min
71K750GU-UF	感應 Induction	750	三相 3-phase 380	50	2.0	11.9	5.4	1400
71K750GU-SF			三相 3-phase 220	60	3.2	9.9	4.5	1650

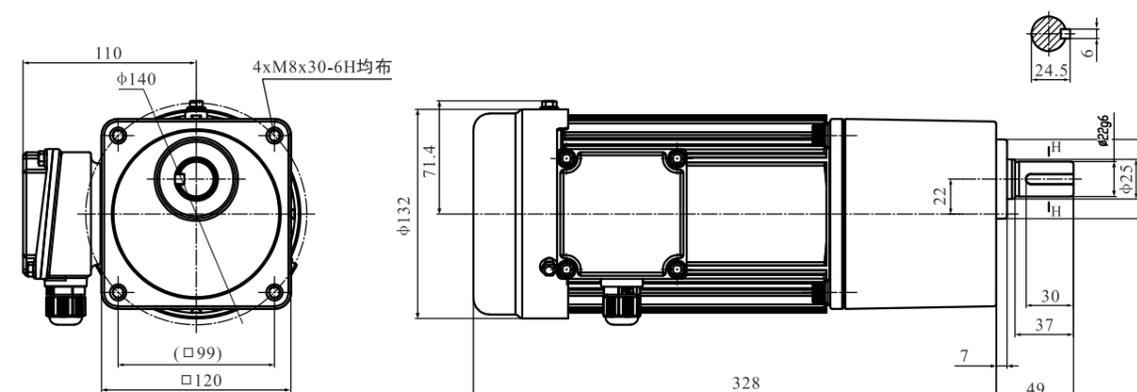
- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	300	200	150	120	100	83	75	60	50	41.7	37.5	30	25	20	16.7	15	12.5	10	8.3	
	減速比i ratio		5	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180
輸出轉矩及 最大允許負載 Max allowable load	50Hz	kgf.cm	236.7	355.1	473.5	592.9	661.2	794.0	826.5	826.5	826.5	826.5	826.5	826.5	826.5	826.5	826.5	826.5	826.5	826.5	826.5
		N.m	23.2	34.8	46.4	58.1	64.8	77.8	81	81	81	81	81	81	81	81	81	81	81	81	81

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.



減速電機

交流馬達型號之選定 The selection for AC motor and gear

4	R	K	25	GN	A	□
↓	↓	↓	↓	↓	↓	↓
外形尺寸 Overall Dimensions	機種 Kinds	馬達系列 Motor Series	出力 Output Force	馬達軸形狀 Motor Axis Shape	電壓極數 Voltage Poles	其它附件 Other Accessories
4:80mm 5:90mm 6:100mm 8:145mm	I:感應式 R:可逆式 T:轉矩馬達	I: Inductive R: Reversible T: Torque Motor K系列 K Series	25=25W 30=30W 40=40W 60=60W 90=90W 120=120W 140=140W 160=160W 180=180W 200=200W 250=250W 400=400W 750=750W 1500=1500W	GN螺旋齒軸 (25W~40W馬達) GN Spiral Toothed Axis (25W~40W moter) GU螺旋齒軸 (60W~250W馬達) GU Spiral Toothed Axis (60W~250W moter)	A=1 φ 110V4P B=1 φ 110V2P C=1 φ 220V4P D=1 φ 220V2P S=3 φ 220V4P U=3 φ 380V4P W=3 φ 440V4P Y=3 φ 220/380V4P Z=3 φ 220/440V4P H=3 φ 380V2P L=480V 4P	F:風扇 F: Fan M:電磁剎車 M: Electromagnetic Brake Z:機械阻尼 Z: mechanical damping T:接線盒 T: Terminal Box P:溫度開關 P: Temperature Switch



馬達軸形狀前加R為調速馬達
Plus "R" before the axis shape of the motor stands for the speed regulation motor

齒輪型號之選定 The selection for AC motor

4	GU	100	RC	K
↓	↓	↓	↓	↓
外形尺寸 Overall Dimensions	出力軸種類	減速比 Speed Reducing Ratio	出力軸種類 Type of output shaft	齒輪軸承種類 Kinds of Gear Bearings
4:80mm 5:90mm 6:100mm 8:145mm	GN:出力軸 ≤ φ12 GU:出力軸 ≥ φ14		RC:中空軸 RC:Hollow shaft RT:中實軸 RT:In the real axis	K=滾珠培林軸承 K= Ball Bearing



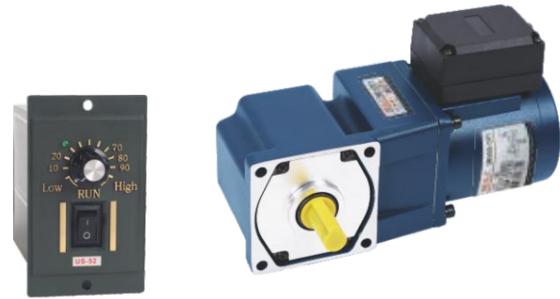



企業如家
團隊至上

ENTERPRISE-HOME
TEAM FIRST

25/30W

□80mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/ve μF/VAC
						mN.m	gf.cm	mN.m	gf.cm		
4IK25GN-C 4IK25A-C	感應 Induction	25	單相 1-phase 220	50	0.22	231	2310	185	1850	1250	1.5/450
4RK25GN-C 4RK25A-C	可逆 Reversible			60	0.21	192	1920	154	1540	1550	1.5/450
4IK25GN-A 4IK25A-A	感應 Induction	25	單相 1-phase 110	50	0.48	231	2310	185	1850	1250	6/250
4RK25GN-A 4RK25A-A	可逆 Reversible			60	0.46	192	1920	154	1540	1550	6/250
4IK25GN-U 4IK25A-U	—	25	三相 3-phase 380	50	0.14	231	2310	185	1850	1250	—
4RK25GN-S 4RK25A-S	—			60	0.12	192	1920	154	1540	1550	—
4IK25GN-C 4IK25A-C	感應 Induction	25	三相 3-phase 220	50	0.24	231	2310	185	1850	1250	—
4RK25GN-C 4RK25A-C	可逆 Reversible			60	0.225	192	1920	154	1540	1550	—
4IK30GN-C 4IK30A-C	感應 Induction	30	單相 1-phase 220	50	0.28	275	2750	220	2200	1250	2.2/450
4RK30GN-C 4RK30A-C	可逆 Reversible			60	0.3	231	2310	185	1850	1550	2.2/450
4IK30GN-A 4IK30A-A	感應 Induction	30	單相 1-phase 110	50	0.3	275	2750	220	2200	1250	2.5/450
4RK30GN-A 4RK30A-A	可逆 Reversible			60	0.32	231	2310	185	1850	1550	2.5/450
4IK30GN-U 4IK30A-U	—	30	三相 3-phase 380	50	0.58	275	2750	220	2200	1250	8/250
4RK30GN-S 4RK30A-S	—			60	0.60	231	2310	185	1850	1550	8/250
4IK30GN-C 4IK30A-C	感應 Induction	30	單相 1-phase 220	50	0.60	275	2750	220	2200	1250	10/250
4RK30GN-C 4RK30A-C	可逆 Reversible			60	0.65	231	2310	185	1850	1550	10/250

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

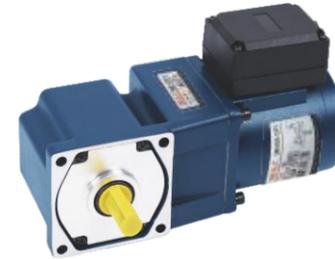
Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	減速比 ratio																					
		500	300	250	200	150	120	100	83	75	60	50	40	35	30	25	20	15	12	10	8	7	6
最大允許負載 Max allowable load	25W	kg.cm	4.5	7.9	9.46	12	15.7	19	23	28.4	31.5	35	42	51.1	56.7	62	76.6	80					
	N.m	0.45	0.79	0.93	1.18	1.55	1.86	2.25	2.78	3.1	3.43	4.12	5.01	5.57	6.18	7.52	7.84						
30W	kg.cm	5.7	8.1	11.3	14.2	18.9	23.6	28.3	34	37.8	42.5	51.1	60.2	68.1	65.7	80							
	N.m	0.56	0.8	1.1	1.39	1.85	2.32	2.78	3.34	3.7	4.17	5.01	6.01	6.68	6.5	7.84							

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

直角中實減速箱

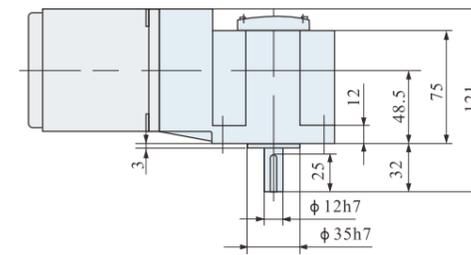
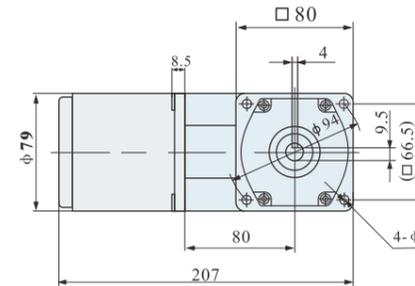
Right angle solid-shaft reduction gear box



型號:4GN □RT-K Model:4GN □RT-K
速比:1:10~1500 Gear ratio:1:10~1500

80型 CAD 尺寸 Model 80 CAD size

組合：定速電機+直角中實減速箱
減速比：1:10_1500
質量：3.4kg
Combination: fixed speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 3.4kg



直角中空減速箱

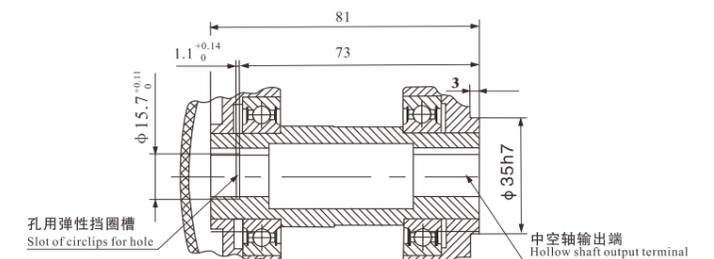
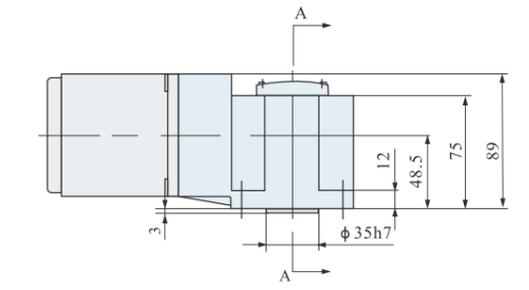
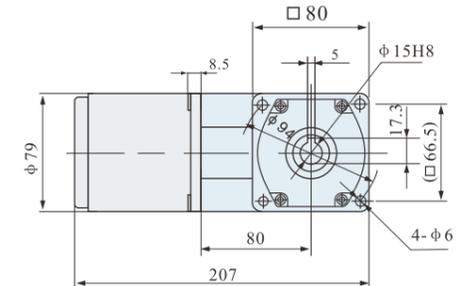
Right angle hollow-shaft reduction gear box



型號:4GN □RC-K Model:4GN □RC-K
速比:1:10~1500 Gear ratio:1:10~1500

80型 CAD 尺寸 Model 80 CAD size

組合：定速電機+直角中空減速箱
減速比：1:10_1500
質量：3.3kg
Combination: fixed speed motor + right angle hollow reduction gear box
Deceleration ratio: 1:10~1500
Mass: 3.3kg

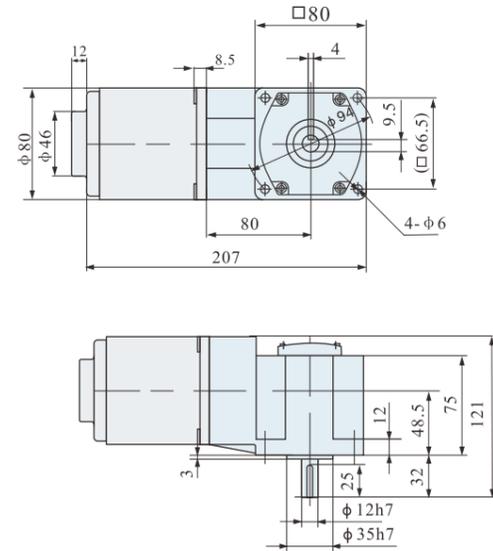


A-A 旋轉
A-A rotation
2:1

80型 CAD 尺寸 Model 80 CAD size

組合：調速電機+直角中實減速箱
減速比：1:10~1500
質量：3.5kg

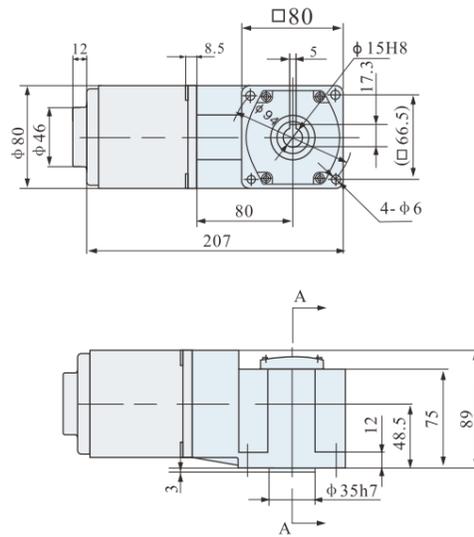
Combination: adjustable speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 3.5kg



80型 CAD 尺寸 Model 80 CAD size

組合：調速電機+直角中空減速箱
減速比：1:10~1500
質量：3.4kg

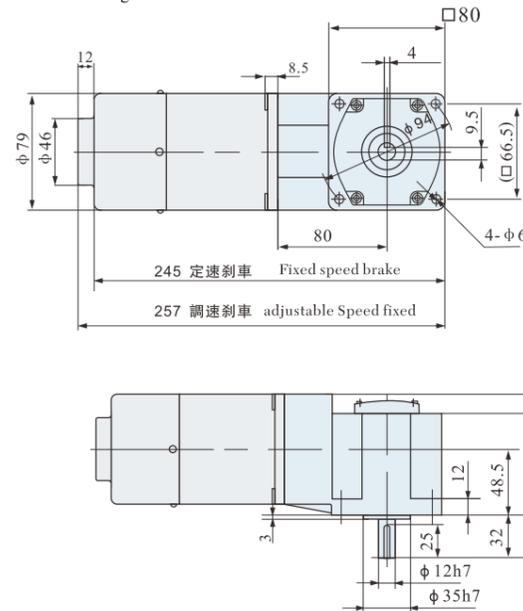
Combination: adjustable speed motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 3.4kg



80型 CAD 尺寸 Model 80 CAD size

組合：剎車定速/調速電機+直角中實減速箱
減速比：1:10~1500
質量：3.8kg

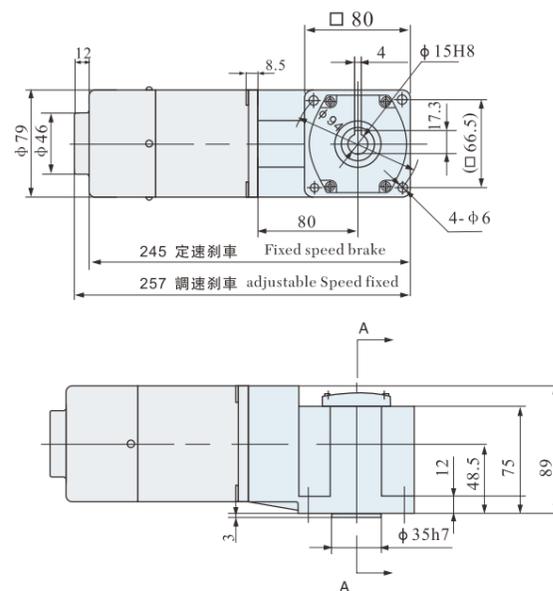
Combination: fixed speed / adjustable speed brake motor + right angle solid deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 3.8 kg



80型 CAD 尺寸 Model 80 CAD size

組合：剎車定速/調速電機+直角中空減速箱
減速比：1:10~1500
質量：3.7kg

Combination: fixed speed / adjustable speed brake motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 3.7kg



40W

□90mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容容量/耐壓 Capacity/Ve μF/VAC
						mN.m	gf.cm	mN.m	gf.cm		
5IK40GN-C 5IK40A-C	感應 Induction	40	單相 1-phase 220	50	0.35	367	3670	294	2940	1300	2.5/450
				60	0.33	307	3070	246	2460	1550	2.5/450
5RK40GN-C 5RK40A-C	可逆 Reversible	40	單相 1-phase 110	50	0.38	367	3670	294	2940	1300	3.0/450
				60	0.4	307	3070	246	2460	1550	3.0/450
5IK40GN-A 5IK40A-A	感應 Induction	40	單相 1-phase 220	50	0.70	367	3670	294	2940	1300	10/250
				60	0.72	307	3070	246	2460	1550	10/250
5RK40GN-A 5RK40A-A	可逆 Reversible	40	單相 1-phase 110	50	0.76	367	3670	294	2940	1300	12/250
				60	0.80	307	3070	246	2460	1550	12/250
5IK40GN-U 5IK40A-U	—	40	三相 3-phase 380	50	0.24	367	3670	294	2940	1300	—
				60	0.22	307	3070	246	2460	1550	—
5RK40GN-S 5RK40A-S	—	40	三相 3-phase 220	50	0.42	367	3670	294	2940	1300	—
				60	0.38	307	3070	246	2460	1550	—

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	500	300	250	200	150	120	100	75	60	50	40	35	30	25	20	15	12	10	8	7	6	5	3	
		減速比i ratio																							
最大允許負載 Max allowable load	40W	kg.cm	7.3	12	14.5	18	24.2	30	36	43.6	55	65.5	78	87	98										
		N.m	0.72	1.18	1.43	1.77	2.4	2.94	3.53	4.28	5.0	6.24	7.7	8.57	9.64	100 9.81									

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

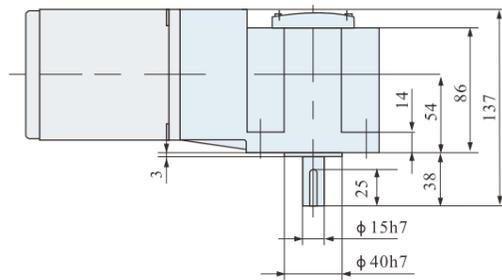
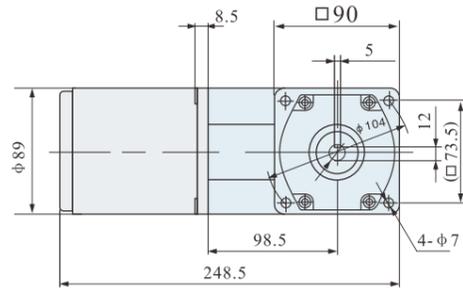
直角中實減速箱 Right angle solid-shaft reduction gear box



型号:5GU □RT-K Model:5GU □RT-K
速比:1:10~1500 Gear ratio:1:10~1500

90型 CAD 尺寸 Model 90 CAD size

組合：定速電機+直角中實減速箱
減速比：1:10~1500
質量：5.3kg
Combination: fixed speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.3kg



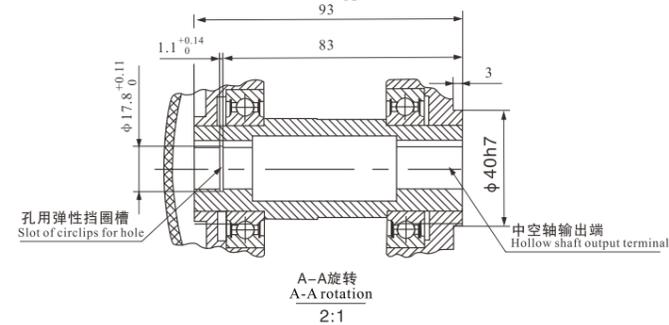
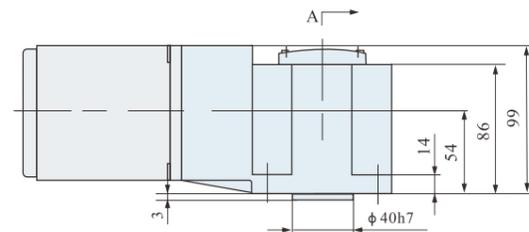
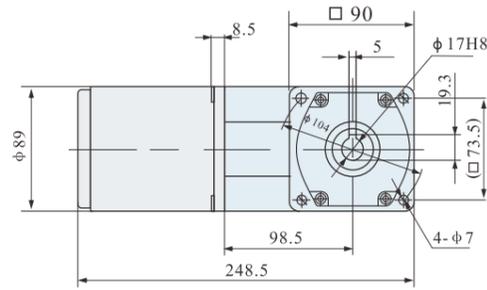
直角中空減速箱 Right angle hollow-shaft reduction gear box



型号:5GU □RC-K Model:5GU □RC-K
速比:1:10~1500 Gear ratio:1:10~1500

90型 CAD 尺寸 Model 90 CAD size

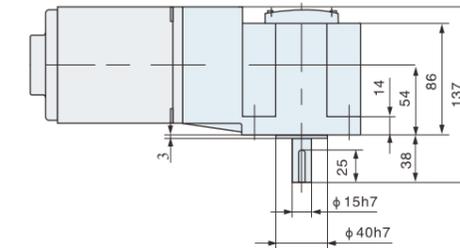
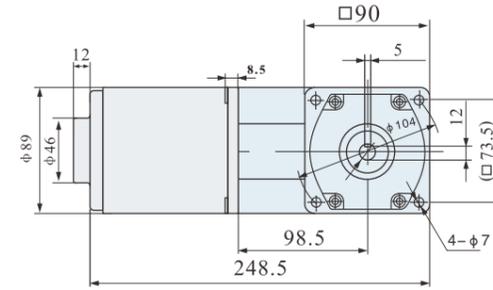
組合：定速電機+直角中空減速箱
減速比：1:10~1500
質量：5.2kg
Combination: fixed speed motor + right angle hollow reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.2kg



90型 CAD 尺寸 Model 90 CAD size

組合：調速電機+直角中實減速箱
減速比：1:10~1500
質量：5.4kg

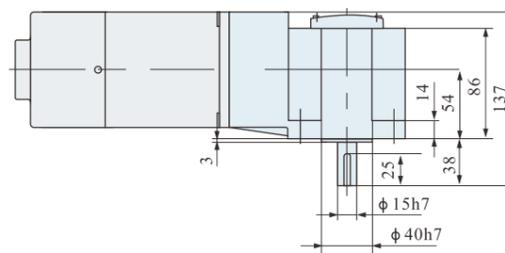
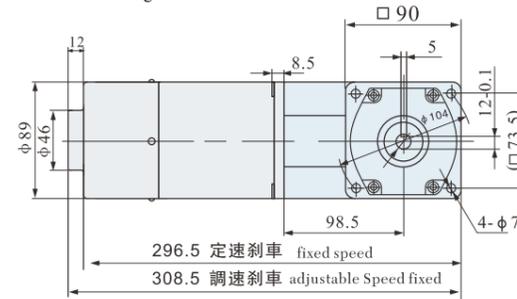
Combination: adjustable speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.4kg



90型 CAD 尺寸 Model 90 CAD size

組合：剎車定速/調速電機+直角中實減速箱
減速比：1:10~1500
質量：5.7kg

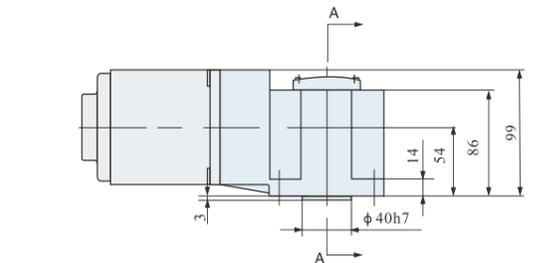
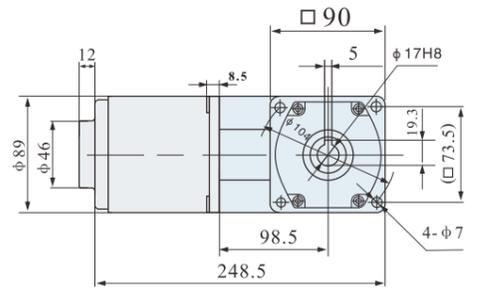
Combination: fixed speed / adjustable speed brake motor + right angle solid deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 5.7 kg



90型 CAD 尺寸 Model 90 CAD size

組合：調速電機+直角中空減速箱
減速比：1:10~1500
質量：5.3kg

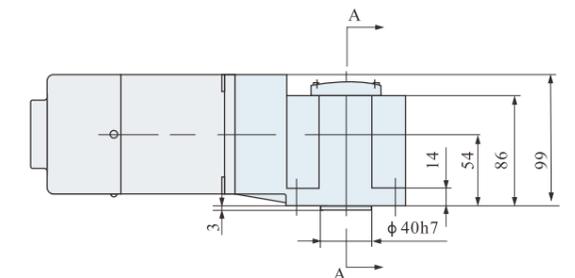
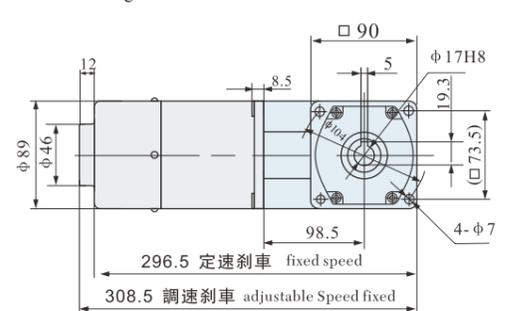
Combination: adjustable speed motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 5.3kg



90型 CAD 尺寸 Model 90 CAD size

組合：剎車定速/調速電機+直角中空減速箱
減速比：1:10~1500
質量：5.6kg

Combination: fixed speed / adjustable speed brake motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 5.6kg



60W

□90mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μF/VAC
						mN.m	gf.cm	mN.m	gf.cm		
5IK60GU-CF 5IK60A-CF	感應 Induction	60	單相 1-phase 220	50	0.45	551	5510	441	4410	1350	3.5/450
5RK60GU-CF 5RK60A-CF				可逆 Reversible	50	0.5	837	8370	670	6700	1350
5IK60GU-AF 5IK60A-AF	感應 Induction	60	單相 1-phase 110		50	0.90	551	5510	441	4410	1350
5RIK60GU-AF 5RK60A-AF				可逆 Reversible	50	1.0	837	8370	670	6700	1350
5IK60GU-UF 5IK60A-UF	—	60	三相 3-phase 380		50	0.30	551	5510	441	4410	1350
5RK60GU-SF 5RK60A-SF				—	50	0.52	551	5510	441	4410	1350
		60	三相 3-phase 220		60	0.48	462	4620	370	3700	1550

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	減速比i ratio																										
		500	375	300	250	200	150	120	100	75	60	50	40	35	30	25	20	15	12	10	8	7	6	5	3			
最大允許負載 Max allowable load	60W	kg.cm	11	14.6	18	21.8	27	36	41	50	65	81	98	117	130	147											200	
		N.m	1.08	1.42	1.77	2.14	2.64	3.57	4.02	4.80	6.24	8.03	9.64	11.5	12.8	14.4											19.6	

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

直角中實減速箱

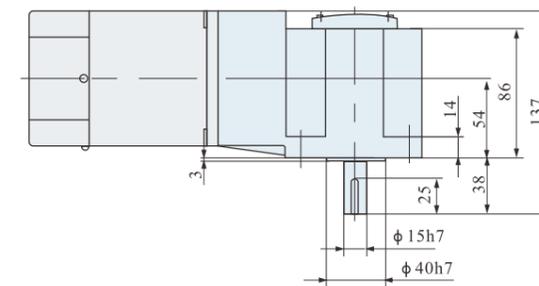
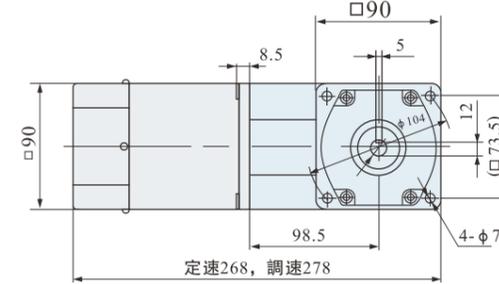
Right angle solid-shaft reduction gear box



型号: 5GU □RT-K Model: 5GU □RT-K
速比: 1:10~1500 Gear ratio: 1:10~1500

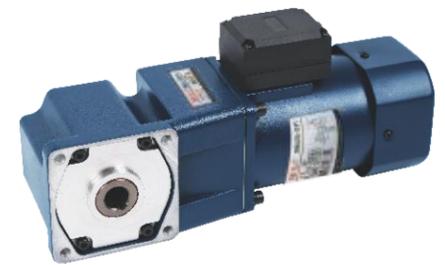
90型 CAD 尺寸 Model 90 CAD size

組合：定速電機+直角中實減速箱
減速比：1:10~1500
質量：5.4kg
Combination: fixed speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.4kg



直角中空減速箱

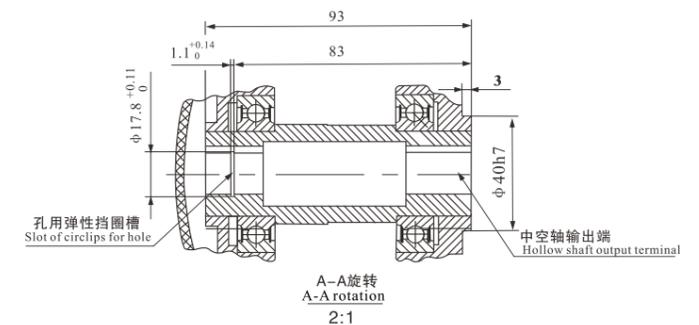
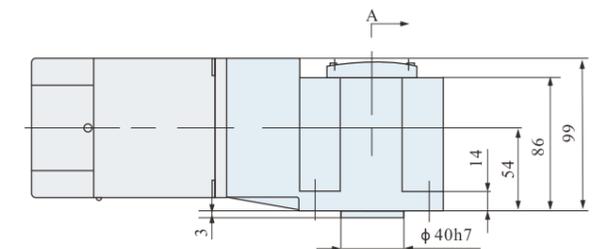
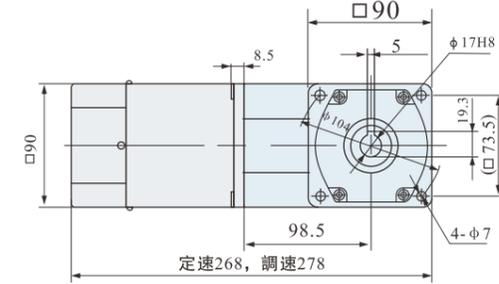
Right angle hollow-shaft reduction gear box



型号: 5GU □RC-K Model: 5GU □RC-K
速比: 1:10~1500 Gear ratio: 1:10~1500

90型 CAD 尺寸 Model 90 CAD size

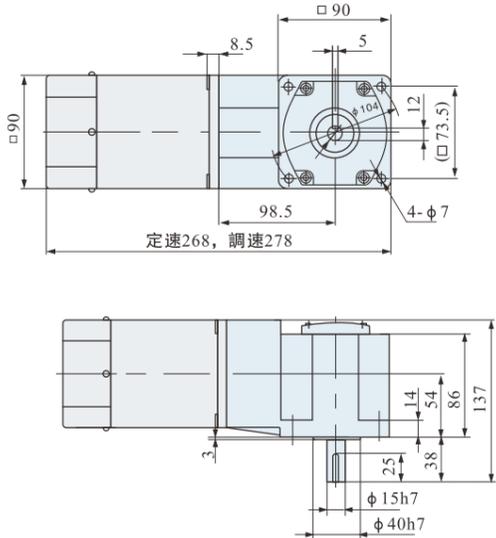
組合：定速電機+直角中空減速箱
減速比：1:10~1500
質量：5.3kg
Combination: fixed speed motor + right angle hollow reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.3kg



90型 CAD 尺寸 Model 90 CAD size

組合：調速電機+直角中實減速箱
減速比：1:10~1500
質量：5.5kg

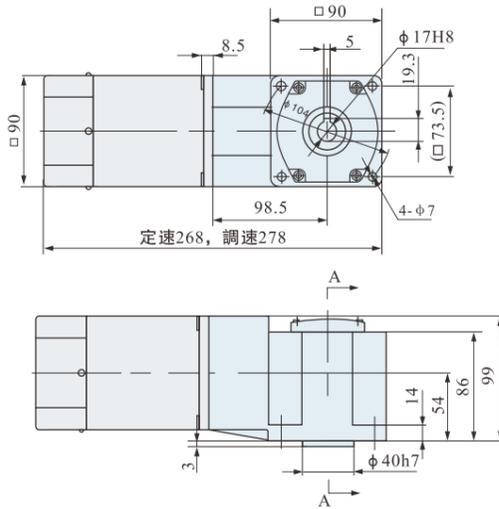
Combination: adjustable speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.5kg



90型 CAD 尺寸 Model 90 CAD size

組合：調速電機+直角中空減速箱
減速比：1:10~1500
質量：5.4kg

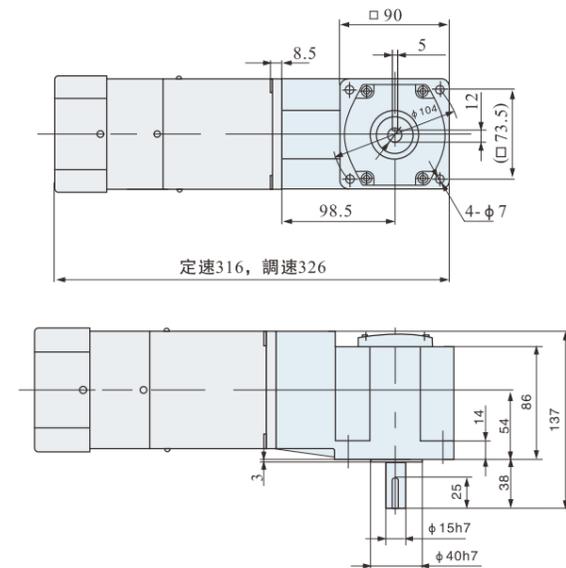
Combination: adjustable speed motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 5.4kg



90型 CAD 尺寸 Model 90 CAD size

組合：剎車定速/調速電機+直角中實減速箱
減速比：1:10~1500
質量：6.1kg

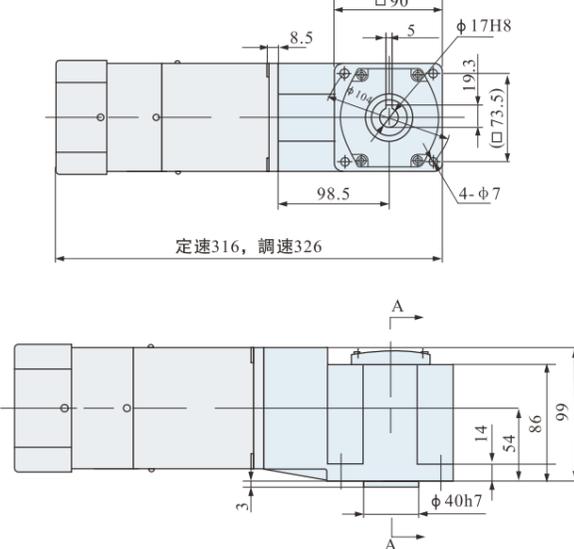
Combination: fixed speed / adjustable speed brake motor + right angle solid deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 6.1 kg



90型 CAD 尺寸 Model 90 CAD size

組合：剎車定速/調速電機+直角中空減速箱
減速比：1:10~1500
質量：6kg

Combination: fixed speed / adjustable speed brake motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 6kg



90/120W

□90mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μF/VAC
						mN.m	gf.cm	mN.m	gf.cm		
5IK90GU-CF 5IK90A-CF	感應 Induction	90	單相 1-phase 220	50	0.62	837	8370	670	6700	1350	5/450
5RK90GU-CF 5RK90A-CF				可逆 Reversible	60	0.60	692	6920	554	5540	1550
5IK90GU-CF 5RK90A-CF	可逆 Reversible	90	單相 1-phase 220	50	0.68	837	8370	670	6700	1350	6/450
5IK90GU-AF 5IK90A-AF				感應 Induction	60	0.72	692	6920	554	5540	1550
5IK90GU-AF 5IK90A-AF	可逆 Reversible	90	單相 1-phase 110	50	1.25	837	8370	670	6700	1350	20/250
5RK90GU-AF 5RK90A-AF				50	1.2	692	6920	554	5540	1550	18/250
5IK90GU-AF 5RK90A-AF	可逆 Reversible	90	單相 1-phase 110	50	1.38	837	8370	670	6700	1350	24/250
5IK90GU-UF 5IK90A-UF				—	60	1.5	692	6920	554	5540	1550
5IK90GU-UF 5IK90A-UF	—	90	三相 3-phase 380	50	0.32	837	8370	670	6700	1350	—
5RK90GU-SF 5RK90A-SF				—	60	0.3	692	6920	554	5540	1500
5IK90GU-SF 5RK90A-SF	—	90	三相 3-phase 220	50	0.55	837	8370	670	6700	1350	—
5IK120GU-CF 5IK120A-CF				—	60	0.48	692	6920	554	5540	1500
5IK120GU-CF 5IK120A-CF	感應 Induction	120	單相 1-phase 220	50	0.85	1137	11370	910	9100	1350	6/450
5RK120GU-CF 5RK120A-CF				可逆 Reversible	60	0.82	955	9550	764	7640	1500
5IK120GU-CF 5RK120A-CF	可逆 Reversible	120	單相 1-phase 220	50	0.95	1137	11370	910	9100	1350	8/450
5IK120GU-AF 5IK120A-AF				感應 Induction	60	1.0	955	9550	764	7640	1500
5IK120GU-AF 5IK120A-AF	可逆 Reversible	120	單相 1-phase 110	50	1.7	1137	11370	910	9100	1350	24/250
5RK120GU-AF 5RK120A-AF				50	1.65	955	9550	764	7640	1500	24/250
5IK120GU-AF 5RK120A-AF	可逆 Reversible	120	單相 1-phase 110	50	1.9	1137	11370	910	9100	1350	30/250
5IK120GU-UF 5IK120A-UF				—	60	2.1	955	9550	764	7640	1500
5RK120GU-UF 5RK120A-UF	—	120	三相 3-phase 380	50	0.34	1137	11370	910	9100	1350	—
5IK120GU-SF 5IK120A-SF				—	60	0.31	955	9550	764	7640	1500
5RK120GU-SF 5RK120A-SF	—	120	三相 3-phase 220	50	0.59	1137	11370	910	9100	1350	—
5RK120GU-SF 5RK120A-SF				—	60	0.54	955	9550	764	7640	1500

- 上表參數是指電機單獨，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	減速比i ratio																							
		500	300	250	200	150	120	100	75	60	50	45	37.5	30	25	20	15	12.5	10	8	7.5	6	5	3	
最大允許負載 Max allowable load	90W	kg.cm	15.7	26.5	31.5	39.4	52.5	65.7	71	94.6	118	141	170	189											200
	N.m	1.54	2.6	3.1	3.86	5.15	6.44	6.96	9.28	11.6	13.9	16.7	18.5											19.6	
120W	kg.cm	21.5	36	42	54	70	87.5	98	126	148	189											200			
	N.m	2.11	3.52	4.13	5.28	6.88	8.59	9.6	12.4	14.5	18.5											19.6			

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

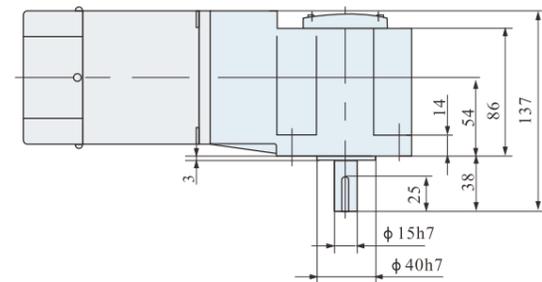
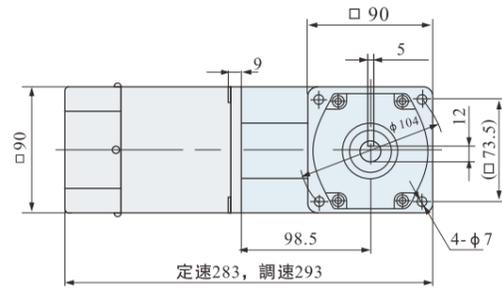
直角中實減速箱 Right angle solid-shaft reduction gear box



型号:5GU □RT-K Model:5GU □RT-K
速比:1:10~1500 Gear ratio:1:10~1500

90型 CAD 尺寸 Model 90 CAD size

組合: 定速電機+直角中實減速箱
減速比: 1:10~1500
質量: 5.9kg
Combination: fixed speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.9kg



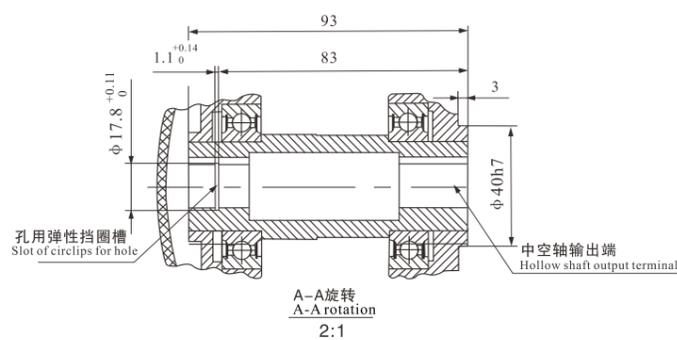
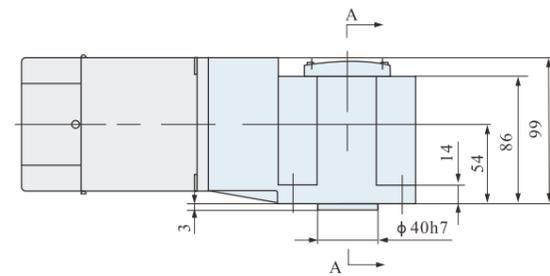
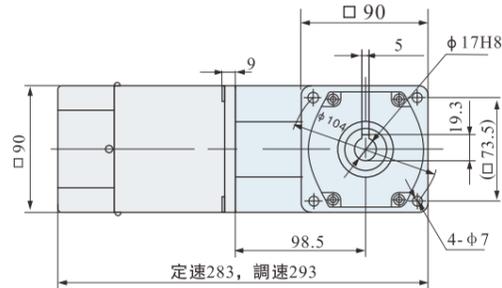
直角中空減速箱 Right angle hollow-shaft reduction gear box



型号:5GU □RC-K Model:5GU □RC-K
速比:1:10~1500 Gear ratio:1:10~1500

90型 CAD 尺寸 Model 90 CAD size

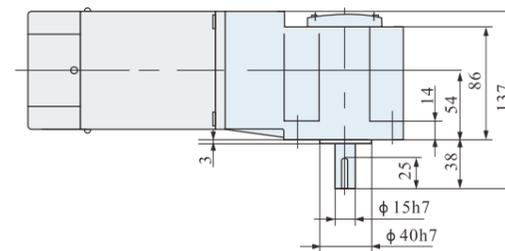
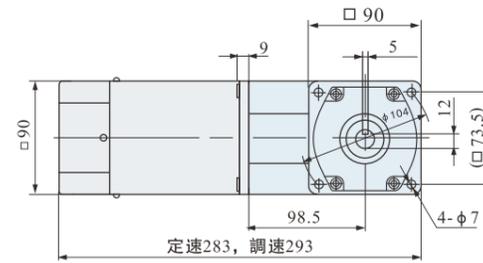
組合: 定速電機+直角中空減速箱
減速比: 1:10~1500
質量: 5.8kg
Combination: fixed speed motor + right angle hollow reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.8kg



90型 CAD 尺寸 Model 90 CAD size

組合: 調速電機+直角中實減速箱
減速比: 1:10~1500
質量: 6kg

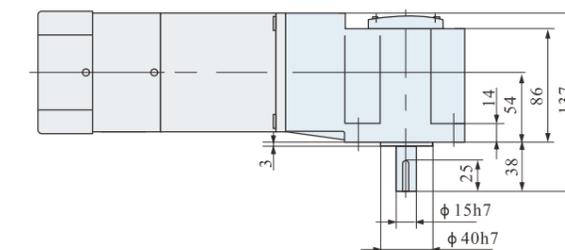
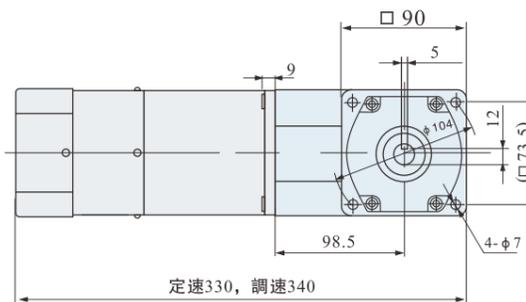
Combination: adjustable speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 6kg



90型 CAD 尺寸 Model 90 CAD size

組合: 剎車定速/調速電機+直角中實減速箱
減速比: 1:10~1500
質量: 6.6kg

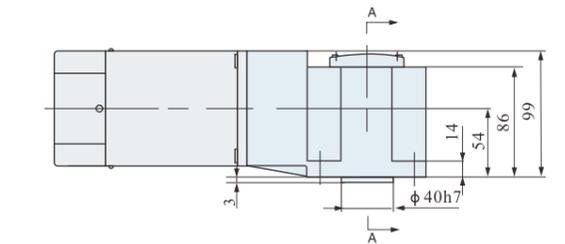
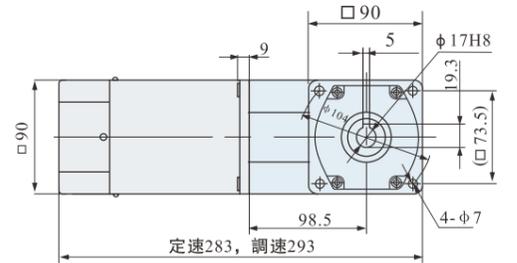
Combination: fixed speed / adjustable speed brake motor + right angle solid deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 6.6 kg



90型 CAD 尺寸 Model 90 CAD size

組合: 調速電機+直角中空減速箱
減速比: 1:10~1500
質量: 5.9kg

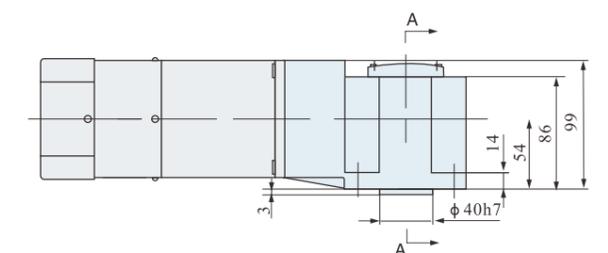
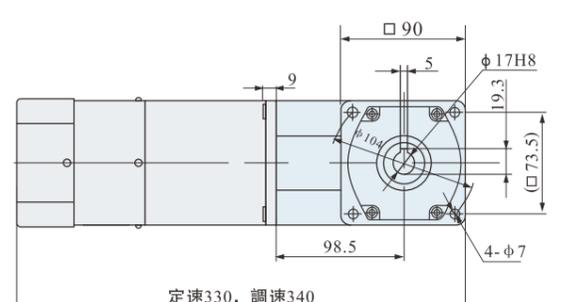
Combination: adjustable speed motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 5.9kg



90型 CAD 尺寸 Model 90 CAD size

組合: 剎車定速/調速電機+直角中空減速箱
減速比: 1:10~1500
質量: 6.5kg

Combination: fixed speed / adjustable speed brake motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 6.5kg

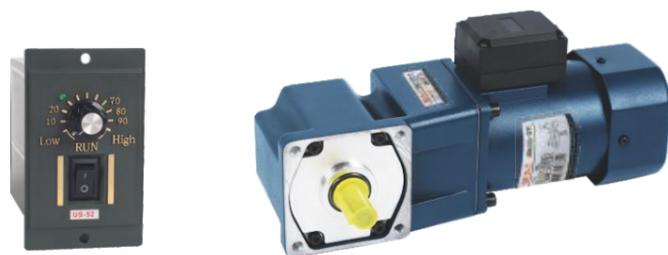


120/140W

□ 100mm

電機特性

List of motor characteristics



電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μF/VAC		
						mN.m	gf.cm	mN.m	gf.cm				
6IK120GU-CF 6IK120A-CF	感應 Induction	120	單相 1-phase 220	50	1.0	1100	11000	880	8800	1350	6/450		
6RK120GU-CF 6RK120A-CF	可逆 Reversible			60	1.0	925	9250	740	7400	1550	6/450		
				50	1.2	1575	15750	1260	12600	1350	8/450		
6IK120GU-AF 6IK120A-AF	感應 Induction			60	1.4	1225	12250	980	9800	1550	8/450		
		50	1.7	1100	11000	880	8800	1350	30/250				
6RK120GU-AF 6RK120A-AF	可逆 Reversible	120	單相 1-phase 110	60	1.6	925	9250	740	7400	1550	28/250		
				50	1.8	1575	15750	1260	12600	1350	32/250		
6IK120GU-UF 6IK120A-UF	—			60	2.0	1225	12250	980	9800	1550	32/250		
				50	0.46	1100	11000	880	8800	1350	—		
6RK120GU-SF 6RK120A-SF	—	120	三相 3-phase 380	60	0.42	925	9250	740	7400	1550	—		
				50	0.8	1100	11000	880	8800	1350	—		
6IK140GU-CF 6IK140A-CF	感應 Induction			140	單相 1-phase 220	60	0.73	925	9250	740	7400	1550	—
						50	1.23	1285	12850	1028	10280	1350	8/450
6RK140GU-CF 6RK140A-CF	可逆 Reversible	60	1.12			1078	10780	863	8630	1550	8/450		
		50	1.3			1285	12850	1028	10280	1350	10/450		
6IK140GU-AF 6IK140A-AF	感應 Induction	140	單相 1-phase 110	60	1.43	1078	10780	863	8630	1550	10/450		
				50	2.05	1285	12850	1028	10280	1350	32/250		
6RK140GU-AF 6RK140A-AF	可逆 Reversible			60	1.9	1078	10780	863	8630	1550	30/250		
				50	2.2	1285	12850	1028	10280	1350	40/250		
6RK140GU-UF 6RK140A-UF	—	140	三相 3-phase 380	60	2.4	1078	10780	863	8630	1550	32/250		
				50	0.55	1285	12850	1028	10280	1350	—		
6RK140GU-SF 6RK140A-SF	—			60	0.46	1078	10780	863	8630	1550	—		
				50	0.88	1285	12850	1028	10280	1350	—		
6IK180GU-CF 6IK180A-CF	感應 Induction	180	單相 1-phase 220	60	0.80	1078	10780	863	8630	1550	—		
				50	1.50	1837	18370	1470	14700	1350	10/450		
6RK180GU-CF 6RK180A-CF	可逆 Reversible			60	1.46	1540	15400	1232	12320	1550	10/450		
				50	1.50	1837	18370	1470	14700	1350	12/450		
6IK180GU-AF 6IK180A-AF	感應 Induction	180	單相 1-phase 110	60	1.46	1540	15400	1232	12320	1550	12/450		
				50	2.8	1837	18370	1470	14700	1350	40/250		
6RK180GU-AF 6RK180A-AF	可逆 Reversible			60	2.6	1540	15400	1232	12320	1550	40/250		
				50	2.8	1837	18370	1470	14700	1350	48/250		
6RK180GU-UF 6RK180A-UF	—	180	三相 3-phase 380	60	2.6	1540	15400	1232	12320	1550	48/250		
				50	0.80	1825	18250	1460	14600	1350	—		
6RK180GU-SF 6RK180A-SF	—			60	0.75	1475	14750	1180	11800	1550	—		
				50	1.05	1825	18250	1460	14600	1350	—		
6IK180GU-SF 6IK180A-SF	—	180	三相 3-phase 220	60	1.0	1475	14750	1180	11800	1550	—		
				50	1.0	1475	14750	1180	11800	1550	—		

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	減速比 ratio																							
		500	300	200	150	120	100	83	75	60	50	41	37	30	25	20	15	12	10	8	7	6	5	3	
最大允許負載 Max allowable load	120W	kg.cm 21.5	36	54	69.8	85	103	125	139	172	209	226	251											315	31
	140W	kg.cm 25.1	42	63	73.5	99.2	120	132	147	200.7	221	238	265											330	32.5

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

160/180W

□ 100mm

電機特性

List of motor characteristics



電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μF/VAC		
						mN.m	gf.cm	mN.m	gf.cm				
6IK160GU-CF 6IK160A-CF	感應 Induction	160	單相 1-phase 220	50	1.25	1575	15750	1260	12600	1350	8/450		
6RK160GU-CF 6RK160A-CF	可逆 Reversible			60	1.24	1225	12250	980	9800	1550	8/450		
				50	1.4	1575	15750	1260	12600	1350	10/450		
6IK160GU-AF 6IK160A-AF	感應 Induction			60	1.46	1225	12250	980	9800	1550	10/450		
		50	2.4	1575	15750	1260	12600	1350	32/250				
6RK160GU-AF 6RK160A-AF	可逆 Reversible	160	單相 1-phase 110	60	2.2	1225	12250	980	9800	1550	30/250		
				50	2.6	1575	15750	1260	12600	1350	40/250		
6IK160GU-UF 6IK160A-UF	—			60	2.8	1225	12250	980	9800	1550	36/250		
				50	0.55	1468	14680	1175	11750	1350	—		
6RK160GU-SF 6RK160A-SF	—	160	三相 3-phase 380	60	0.50	1232	12320	986	9860	1550	—		
				50	0.95	1468	14680	1175	11750	1350	—		
6IK180GU-CF 6IK180A-CF	感應 Induction			180	單相 1-phase 220	60	0.86	1232	12320	986	9860	1550	—
						50	1.50	1837	18370	1470	14700	1350	10/450
6RK180GU-CF 6RK180A-CF	可逆 Reversible	60	1.46			1540	15400	1232	12320	1550	10/450		
		50	1.50			1837	18370	1470	14700	1350	12/450		
6IK180GU-AF 6IK180A-AF	感應 Induction	180	單相 1-phase 110	60	1.46	1540	15400	1232	12320	1550	12/450		
				50	2.8	1837	18370	1470	14700	1350	40/250		
6RK180GU-AF 6RK180A-AF	可逆 Reversible			60	2.6	1540	15400	1232	12320	1550	40/250		
				50	2.8	1837	18370	1470	14700	1350	48/250		
6RK180GU-UF 6RK180A-UF	—	180	三相 3-phase 380	60	2.6	1540	15400	1232	12320	1550	48/250		
				50	0.80	1825	18250	1460	14600	1350	—		
6RK180GU-SF 6RK180A-SF	—			60	0.75	1475	14750	1180	11800	1550	—		
				50	1.05	1825	18250	1460	14600	1350	—		
6IK180GU-SF 6IK180A-SF	—	180	三相 3-phase 220	60	1.0	1475	14750	1180	11800	1550	—		
				50	1.0	1475	14750	1180	11800	1550	—		

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	減速比 ratio																								
		500	300	200	150	120	100	83	75	60	50	41	37	30	25	20	15	12	10	8	7	6	5	3		
最大允許負載 Max allowable load	160W	kg.cm 28.7	48	72	87	113.3	137.3	157	174	229	261	285	317	396											440	43
	180W	kg.cm 32.3	54	81	94.7	127.5	154.5	170	189	237	284	310	344	430											440	43

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

200/250W

□100mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容容量/耐壓 Capacity/Ve μF/VAC
						mN.m	gf.cm	mN.m	gf.cm		
6IK200GU-CF 6IK200A-CF	感應 Induction	200	單相 1-phase 220	50	1.55	1485	14850	1414	14140	1350	8/450
60				1.5	1294	12940	1232	12320	1550	8/450	
50				1.55	1485	14850	1414	14140	1350	10/450	
6RK200GU-CF 6RK200A-CF	可逆 Reversible			60	1.5	1294	12940	1232	12320	1550	10/450
6IK200GU-AF 6IK200A-AF	感應 Induction	200	單相 1-phase 110	50	3.0	1485	14850	1414	14140	1350	32/250
60				2.8	1294	12940	1232	12320	1550	30/250	
50				3.0	1485	14850	1414	14140	1350	40/250	
6RK200GU-AF 6RK200A-AF	可逆 Reversible			60	2.8	1294	12940	1232	12320	1550	36/250
6IK200GU-UF 6IK200A-UF	—	200	三相 3-phase 380	50	0.9	1600	16000	1450	14500	1350	—
60	0.87	1386	13860	1260	12600	1550	—				
6RK200GU-SF 6RK200A-SF	—	200	三相 3-phase 220	50	1.15	1600	16000	1450	14500	1350	—
60	1.1	1386	13860	1260	12600	1550	—				
6IK250GU-CF 6IK250A-CF	感應 Induction	250	單相 1-phase 220	50	1.6	2020	20200	1837	18370	1350	10/450
60				1.55	1700	17000	1540	15400	1550	10/450	
50				1.6	2020	20200	1837	18370	1350	12/450	
6RK250GU-CF 6RK250A-CF	可逆 Reversible			60	1.55	1700	17000	1540	15400	1550	12/450
6IK250GU-AF 6IK250A-AF	感應 Induction	250	單相 1-phase 110	50	3.2	2020	20200	1837	18370	1350	40/250
60				3.0	1700	17000	1540	15400	1550	40/250	
50				3.3	2020	20200	1837	18370	1350	48/250	
6RK250GU-AF 6RK250A-AF	可逆 Reversible			60	3.2	1700	17000	1540	15400	1550	48/250
6RK250GU-UF 6RK250A-UF	—	250	三相 3-phase 380	50	1.3	2022	20220	1840	18400	1350	—
60	1.2	1760	17600	1600	16000	1550	—				
6RK250GU-SF 6RK250A-SF	—	250	三相 3-phase 220	50	1.21	2022	20220	1840	18400	1350	—
60	1.15	1760	17600	1600	16000	1550	—				

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	500	300	200	150	120	100	85	75	60	50	40	37	30	25	20	15	12	10	8	7	6		
		減速比i ratio																						
最大允許負載 Max allowable load	200W	kg.cm 3.86	66 6.44	89.8 8.8	119 11.7	149 14.5	180 17.6	214 21.0	239 23.4	299 29.3	358 35.1	392 38.4	435 42.6											440 43
	250W	kg.cm 4.83	82.1 8.1	112 11	149 14.6	183 18.3	224 22	268 26.4	298 29.3	375 36.6	438 43											440 43		

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

370W

□100mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容容量/耐壓 Capacity/Ve μF/VAC
						mN.m	gf.cm	mN.m	gf.cm		
6IK370GU-CF 6IK370A-CF	感應 Induction	370	單相 1-phase 220	50	2.3	2944	29440	2560	25660	1350	15/450
60				2.1	2622	26220	2280	22880	1550	15/450	
50				2.3	2944	29440	2560	25660	1350	15/450	
6RK370GU-CF 6RK370A-CF	可逆 Reversible			60	2.1	2622	26220	2280	22880	1550	15/450
6IK370GU-AF 6IK370A-AF	感應 Induction	370	單相 1-phase 110	50	3.0	2944	29440	2560	25660	1350	32/250
60				2.8	2622	26220	2280	22880	1550	30/250	
50				3.0	2944	29440	2560	25660	1350	40/250	
6RK370GU-AF 6RK370A-AF	可逆 Reversible			60	2.8	2622	26220	2280	22880	1550	36/250
6IK370GU-UF 6IK370A-UF	—	370	三相 3-phase 380	50	1.4	3018	30180	2624	26240	1350	—
60	1.2	2680	26800	2330	23300	1550	—				
6RK370GU-SF 6RK370A-SF	—	370	三相 3-phase 220	50	2.5	3018	30180	2624	26240	1350	—
60	2.0	2680	26800	2330	23300	1550	—				

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。

- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	500	300	200	150	120	100	85	75	60	50	40	37	30	25	20	15	12	10	8		
		減速比i ratio																				
最大允許負載 Max allowable load	370W	kg.cm 6.22	106 10.4	142 14.0	190 18.6	238 23.3	285 28	342 33.6	381 37.3											440 43		

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

直角中實減速箱

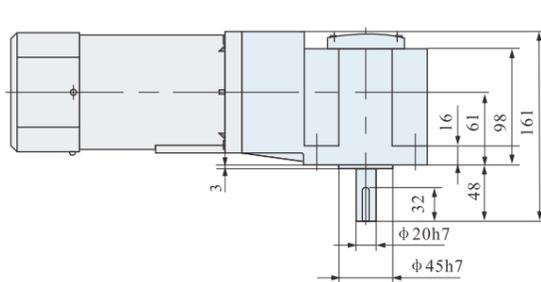
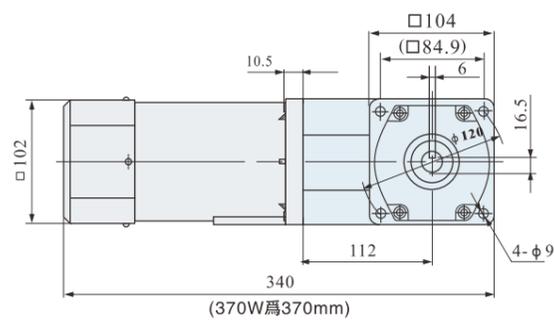
Right angle solid-shaft reduction gear box



型号: 6GU □RT-K Model: 6GU □RT-K
速比: 1:10~1500 Gear ratio: 1:10~1500

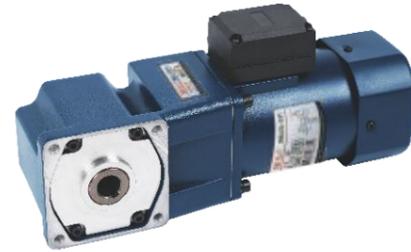
100型 CAD 尺寸 Model 100 CAD size

組合: 定速電機+直角中實減速箱
減速比: 1:10~1500
質量: 8.8kg
Combination: fixed speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 8.8kg



直角中空減速箱

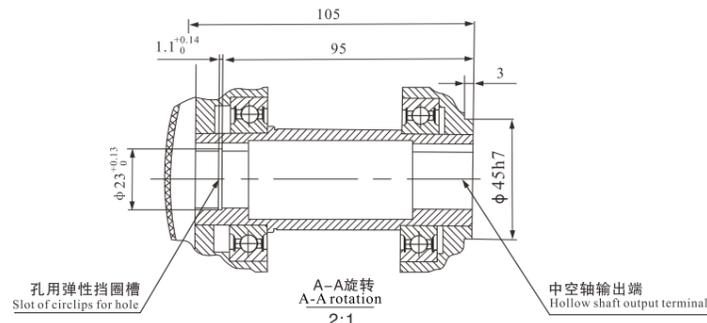
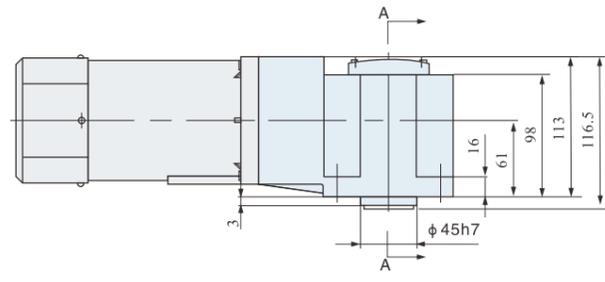
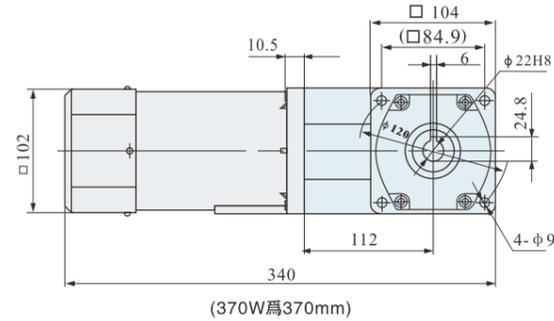
Right angle hollow-shaft reduction gear box



型号: 6GU □RC-K Model: 6GU □RC-K
速比: 1:10~1500 Gear ratio: 1:10~1500

100型 CAD 尺寸 Model 100 CAD size

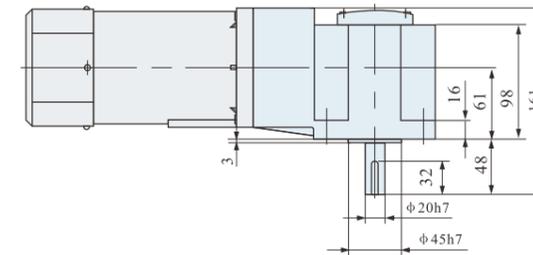
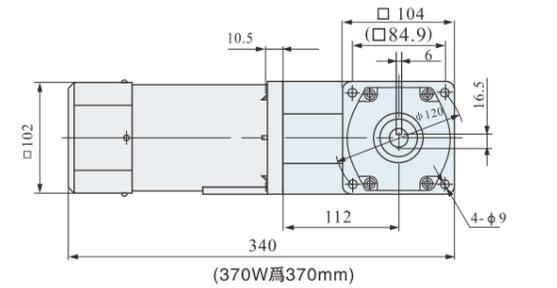
組合: 定速電機+直角中空減速箱
減速比: 1:10~1500
質量: 8.7kg
Combination: fixed speed motor + right angle hollow reduction gear box
Deceleration ratio: 1:10~1500
Mass: 8.7kg



100型 CAD 尺寸 Model 100 CAD size

組合: 調速電機+直角中實減速箱
減速比: 1:10~1500
質量: 8.9kg

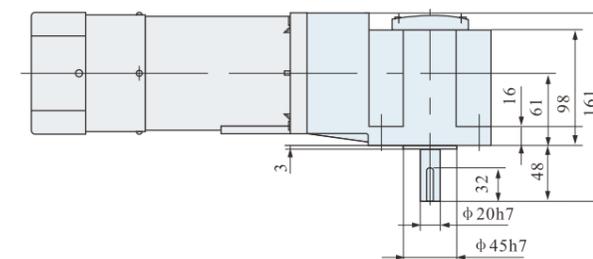
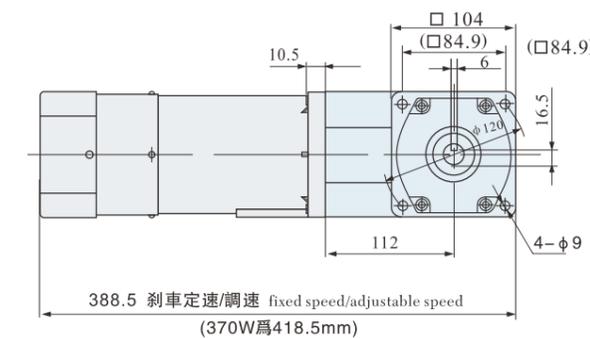
Combination: adjustable speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 8.9kg



100型 CAD 尺寸 Model 100 CAD size

組合: 剎車定速/調速電機+直角中實減速箱
減速比: 1:10~1500
質量: 9.5kg

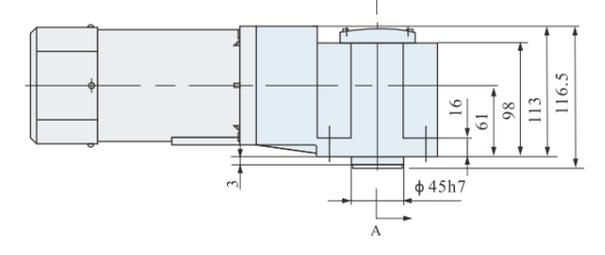
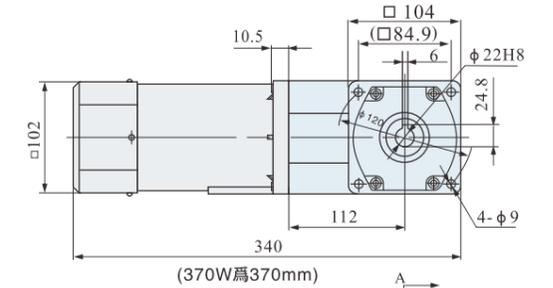
Combination: fixed speed / adjustable speed brake motor + right angle solid deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 9.5kg



100型 CAD 尺寸 Model 100 CAD size

組合: 調速電機+直角中空減速箱
減速比: 1:10~1500
質量: 8.8kg

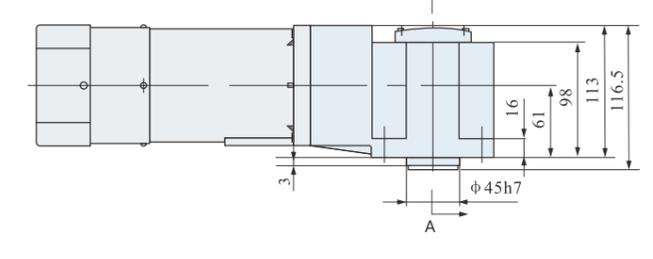
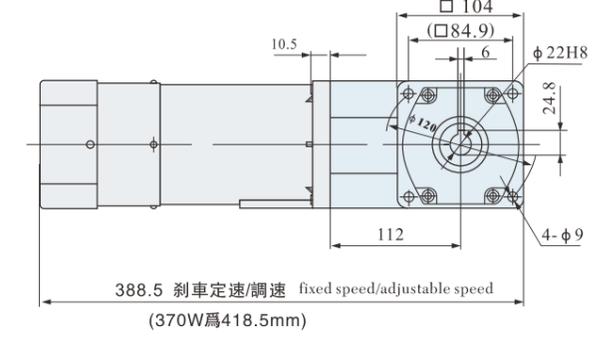
Combination: adjustable speed motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 8.8kg



100型 CAD 尺寸 Model 100 CAD size

組合: 剎車定速/調速電機+直角中空減速箱
減速比: 1:10~1500
質量: 9.4kg

Combination: fixed speed / adjustable speed brake motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 9.4kg



直角中實減速箱

Right angle solid-shaft reduction gear box



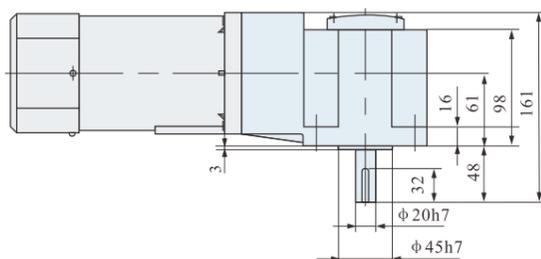
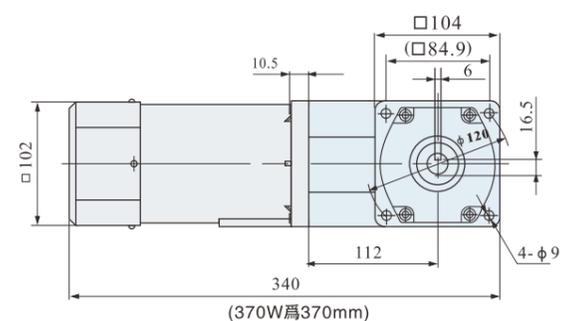
型号:6GU □RT-K Model:6GU □ RT-K
速比:1:10~1500 Gear ratio:1:10~1500

100型 CAD 尺寸

Model 100 CAD size

組合：定速電機+直角中實減速箱
減速比：1:10_1500
質量：8.8kg

Combination: fixed speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 8.8kg



直角中空減速箱

Right angle hollow-shaft reduction gear box



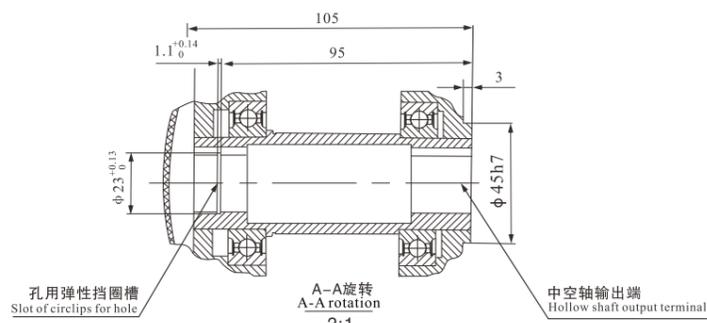
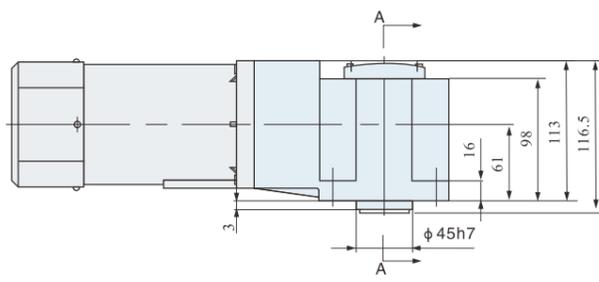
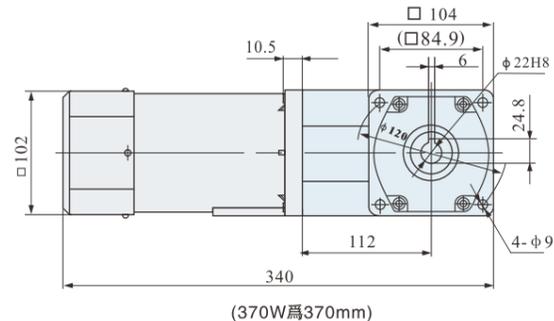
型号:6GU □RC-K Model:6GU □ RC-K
速比:1:10~1500 Gear ratio:1:10~1500

100型 CAD 尺寸

Model 100 CAD size

組合：定速電機+直角中空減速箱
減速比：1:10_1500
質量：8.7kg

Combination: fixed speed motor + right angle hollow reduction gear box
Deceleration ratio: 1:10~1500
Mass: 8.7kg



400W

□145mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min
						mN.m	gf.cm	mN.m	gf.cm	
8IK400GU-UF	感應 Induction	400	三相 3-phase 380	50	1.3	6100	61000	2800	28000	1410
8IK400GU-SF			三相 3-phase 220	60	2.25	6100	61000	2800	28000	1700

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

轉直角中實/中空減速箱

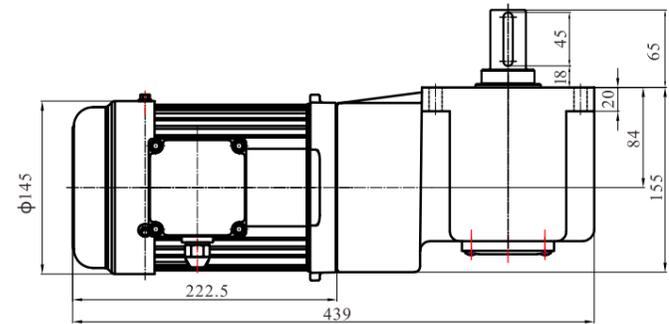
減速比	5	6	7.5	10	12.5	15	20	25	30	36	50	60	75	80	90	100	120	150	180	200
50Hz轉速 r/min	280	233	187	140	112	93.3	70	56	46.7	38.9	28	23.3	18.7	17.5	15.6	14	11.7	9.3	7.7	7
額定轉矩 N·m	13.8	16.6	20.7	27.7	34.7	41.6	55.5	69.2	83.2	99.7	138.3	166.4	207.5	221	248.6	250	250	250	250	250

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

直角中實減速箱

Right angle solid-shaft reduction gear box

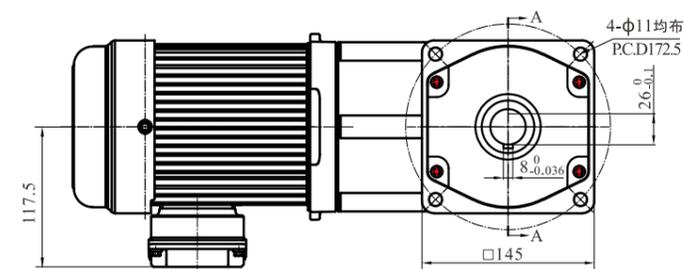
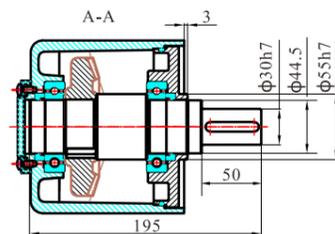
型號:8GU □RT-K Model:8GU □RT-K
速比:1:5~200 Gear ratio:1:5~200



145型 CAD 尺寸 Model 145 CAD size

組合: 定速電機+直角中實減速箱
減速比: 1:5~200
質量: 8.8kg

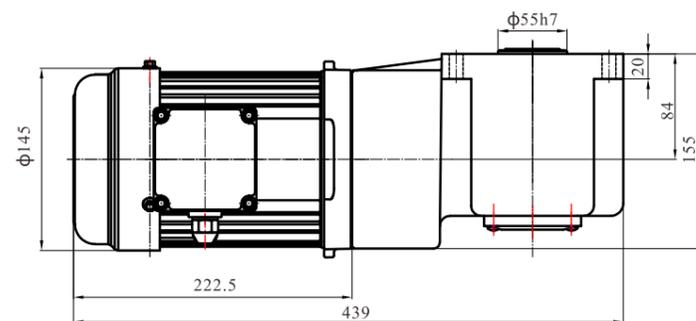
Combination: fixed speed motor + right angle solid reduction gear box
Deceleration ratio: 1:5~200
Mass: 8.8kg



直角中空減速箱

Right angle hollow-shaft reduction gear box

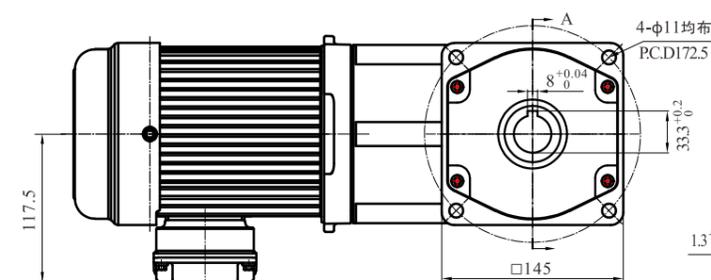
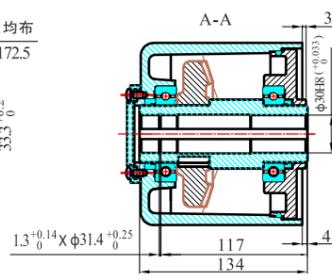
型號:8GU □RC-K Model:8GU □RC-K
速比:1:5~200 Gear ratio:1:5~200



145型 CAD 尺寸 Model 145 CAD size

組合: 定速電機+直角中空減速箱
減速比: 1:5~200
質量: 8.7kg

Combination: fixed speed motor + right angle hollow reduction gear box
Deceleration ratio: 1:5~200
Mass: 8.7 kg



750W

□145mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min
						mN.m	gf.cm	mN.m	gf.cm	
8IK750GU-UF	感應 Induction	750	三相 3-phase 380	50	2.15	1190	11900	5400	54000	1420
8IK750GU-SF			三相 3-phase 220	60	3.72	1190	11900	5400	54000	1700

- 上表參數是指電機單體, 不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

轉直角中實/中空減速箱

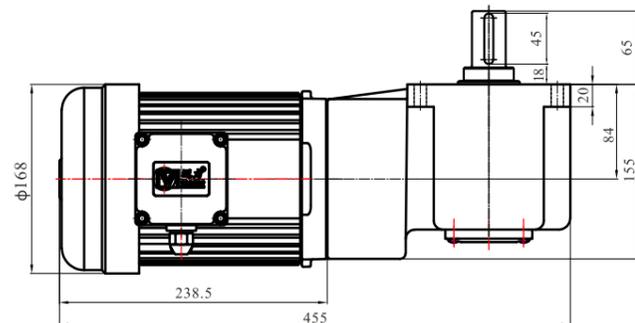
減速比	5	6	7.5	10	12.5	15	20	25	30	36	50	60	75	80	90	100	120	150	180	200
50Hz轉速 r/min	280	233	187	140	112	93.3	70	56	46.7	38.9	28	23.3	18.7	17.5	15.6	14	11.7	9.3	7.7	7
額定轉矩 N·m	25.7	30.8	38.5	51.3	64.1	77.0	103	128	154	185	250	250	250	250	250	250	250	250	250	250

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時, 可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩, 并有堵轉情況存在時, 請在減速箱輸出軸和負載連接處加裝扭矩限制裝置, 確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

直角中實減速箱

Right angle solid-shaft reduction gear box

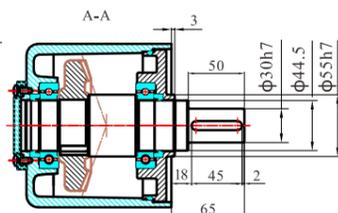
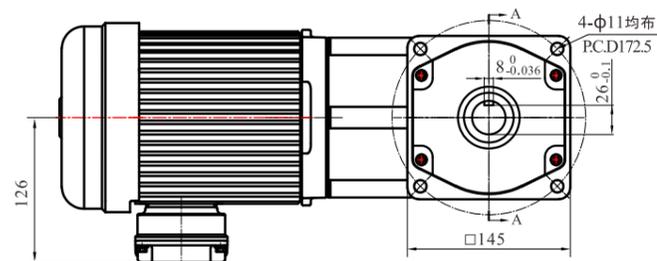
型號:8GU □RT-K Model:8GU □RT-K
速比:1:5~200 Gear ratio:1:5~200



145型 CAD 尺寸 Model 145 CAD size

組合: 定速電機+直角中實減速箱
減速比: 1:5~200
質量: 8.8kg

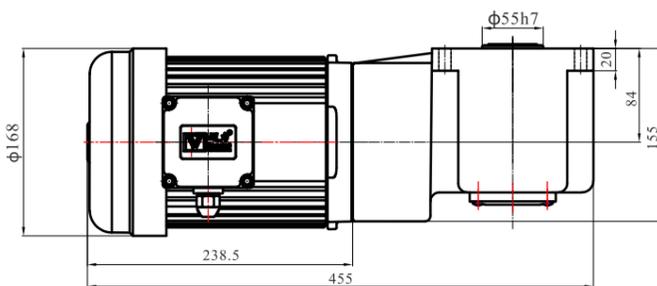
Combination: fixed speed motor + right angle solid reduction gear box
Deceleration ratio: 1:5~200
Mass: 8.8kg



直角中空減速箱

Right angle hollow-shaft reduction gear box

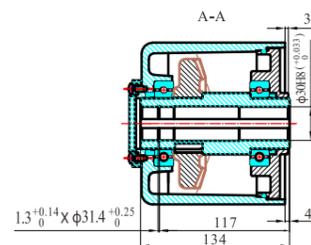
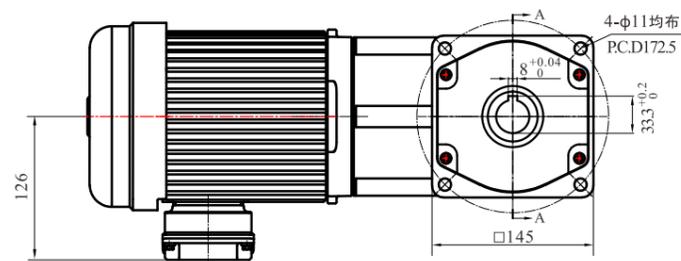
型號:8GU □RC-K Model:8GU □RC-K
速比:1:5~200 Gear ratio:1:5~200



145型 CAD 尺寸 Model 145 CAD size

組合: 定速電機+直角中空減速箱
減速比: 1:5~200
質量: 8.7kg

Combination: fixed speed motor + right angle hollow reduction gear box
Deceleration ratio: 1:5~200
Mass: 8.7 kg



1500W

□ 145mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated
						mN.m	gf.cm	mN.m	gf.cm	Revolution r/min
8IK1500GU-UF	感應 Induction	1500	三相 3-phase 380	50	3.85	23500	235000	10700	107000	1430
8IK1500GU-SF			三相 3-phase 220	60	6.65	23500	235000	10700	107000	1700

- 上表參數是指電機單體, 不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在 ±5% 範圍內變動。
- Parameters in above table refer to motor alone, without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

轉直角中實/中空減速箱

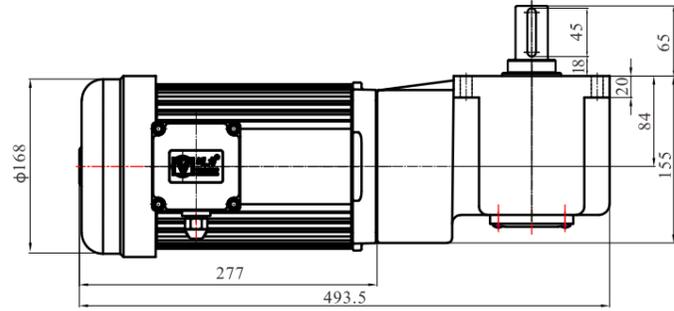
減速比	5	6	7.5	10	12.5	15	20	25	30	36	50	60	75	80	90	100	120	150	180	200	
50Hz轉速 r/min	280	233	187	140	112	93.3	70	56	46.7	38.9	28	23.3	18.7	17.5	15.6	14	11.7	9.3	7.7	7	
額定扭矩 N·m	50.8	61.0	76.2	102	127	152	200	250	250	250	250	250	250	250	250	250	250	250	250	250	250

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時, 可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩, 并有堵轉情況存在時, 請在減速箱輸出軸和負載連接處加裝扭矩限制裝置, 確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

直角中實減速箱

Right angle solid-shaft reduction gear box

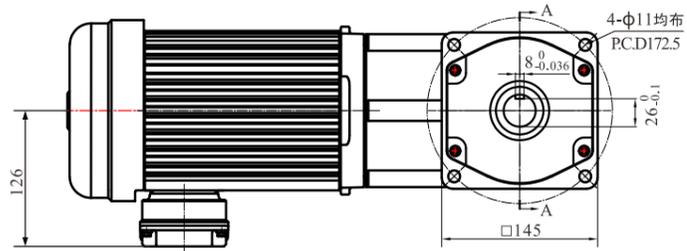
型號:8GU □RT-K Model:8GU □RT-K
速比:1:5~200 Gear ratio:1:5~200



145型 CAD 尺寸 Model 145 CAD size

組合: 定速電機+直角中實減速箱
減速比: 1:5~200
質量: 8.8kg

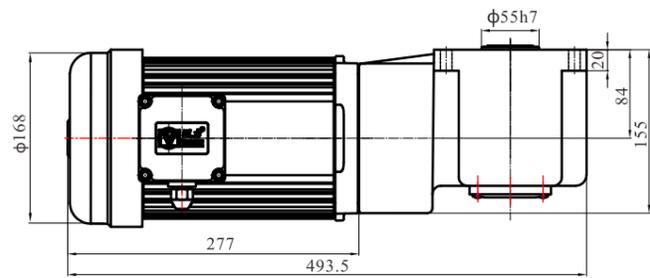
Combination: fixed speed motor + right angle solid reduction gear box
Deceleration ratio: 1:5~200
Mass: 8.8kg



直角中空減速箱

Right angle hollow-shaft reduction gear box

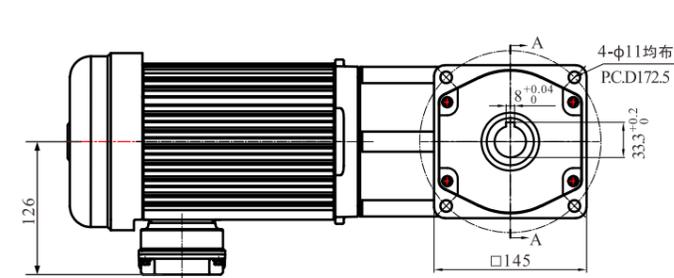
型號:8GU □RC-K Model:8GU □RC-K
速比:1:5~200 Gear ratio:1:5~200



145型 CAD 尺寸 Model 145 CAD size

組合: 定速電機+直角中空減速箱
減速比: 1:5~200
質量: 8.7kg

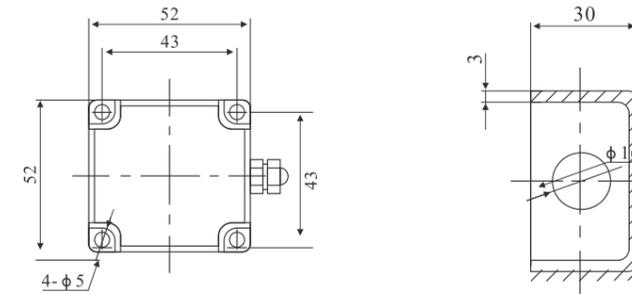
Combination: fixed speed motor + right angle hollow reduction gear box
Deceleration ratio: 1:5~200
Mass: 8.7 kg



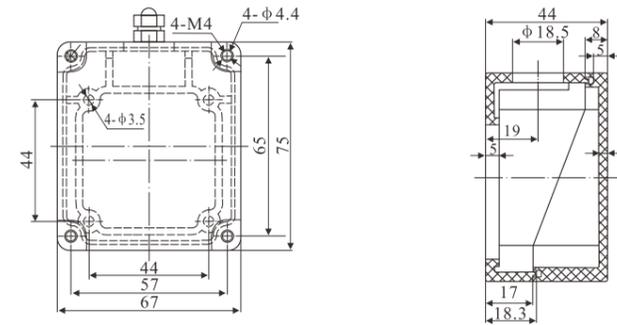
接綫盒種類

Type of junction box

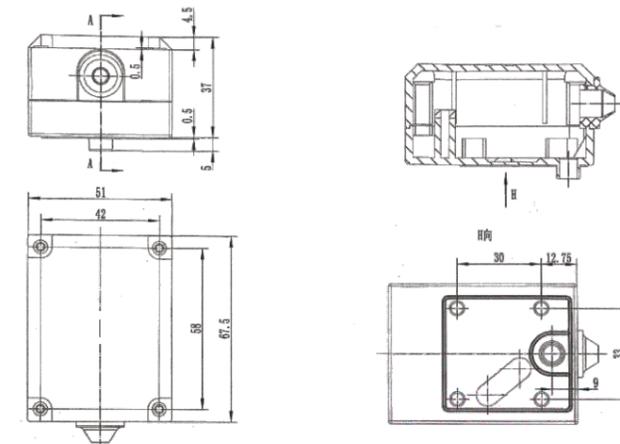
防水接綫盒 Waterproof junction box



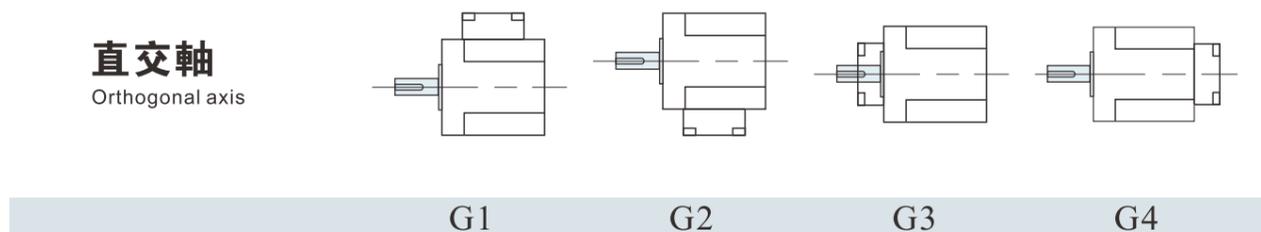
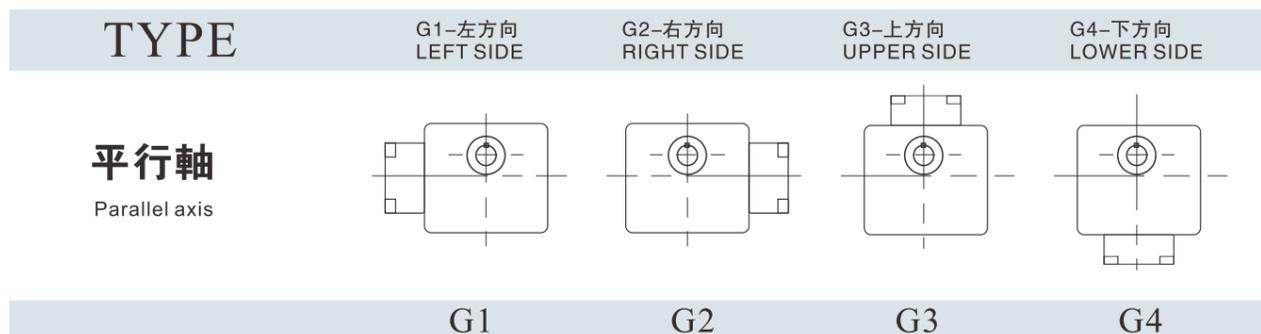
SX型接綫盒 SX type junction box



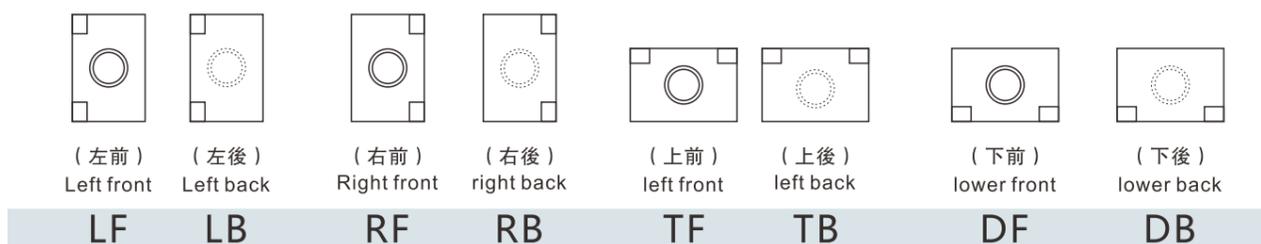
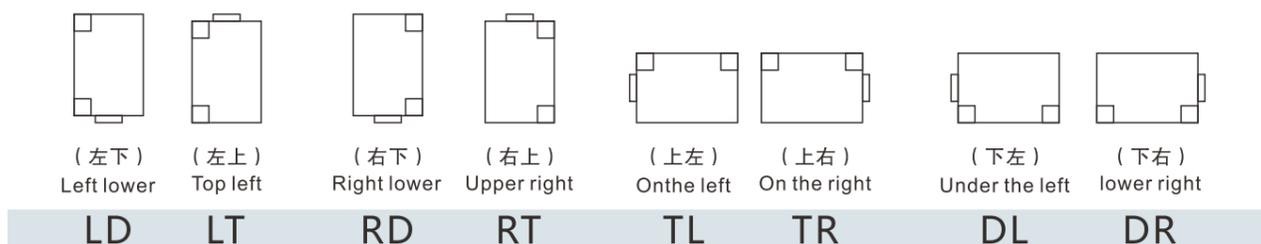
ML接綫盒 ML junction box



微特馬達配線盒方向選定 Micro motor wiring box direction selected



入線口方向 Wire inlet direction



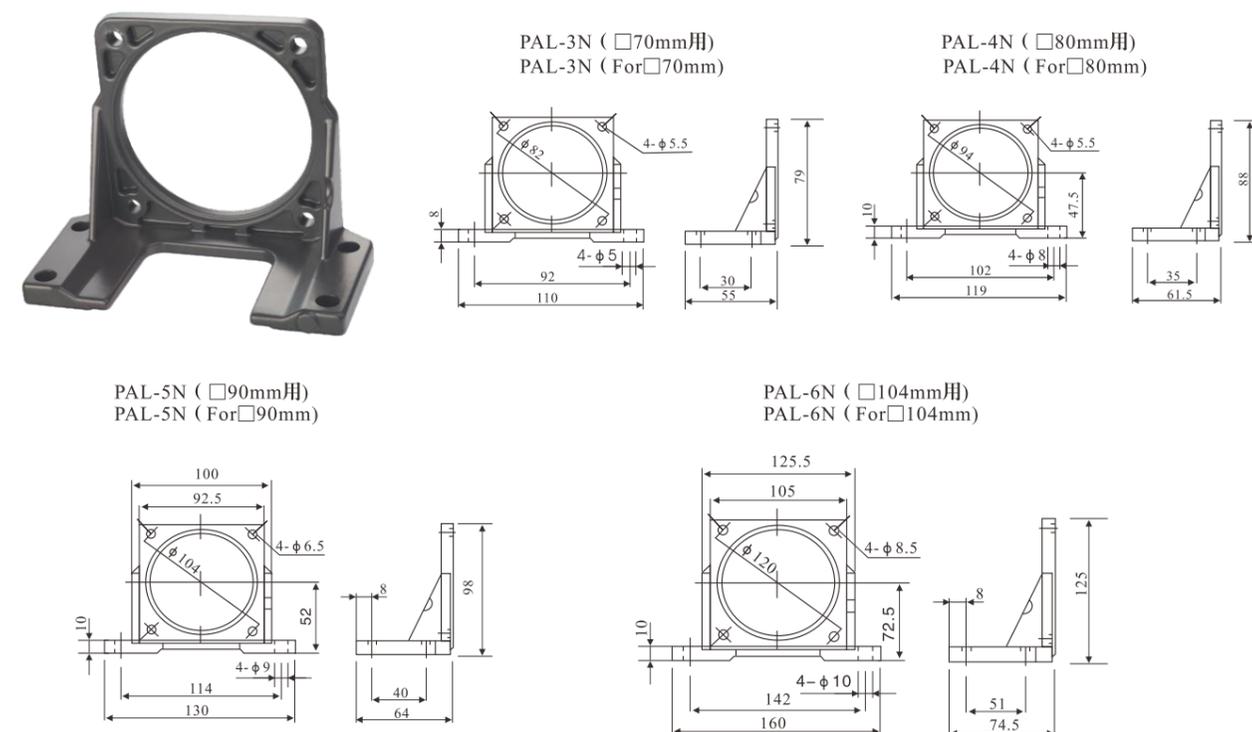
二極電機 Two-pole motor

電機性能參數 Motor performance parameter

機種 Kinds	出力 Output Force (W)	電壓 Voltage (V)	頻率 Frequency (Hz)	極數 Poles (P)	額定轉速 Rated Revolution (rpm)	起動轉矩 Starting Torque (Kg.cm)	額定轉矩 Rated Torque (Kg.cm)	額定電流 Rated Current (A)	電容量 Electric Capacity (μF)	額定時間 Rated Time
41K25A-D	25	1 φ 220	50	2	2800	1.1	0.85	0.25	2.5/450	連續 Continuous
51K40A-D	40	1 φ 220	50	2	2800	1.5	1.39	0.28	3.0/450	連續 Continuous
51K60A-DF	60	1 φ 220	50	2	2800	1.9	2.1	0.49	4.0/450	連續 Continuous
51K90A-DF	90	1 φ 220	50	2	2800	4.2	2.95	0.94	8.0/450	連續 Continuous
51K90A-EF	90	3 φ 220/380	50	2	2800	10.8	3.13	0.28	—	連續 Continuous
51K120A-DF	120	1 φ 220	50	2	2800	4.0	3.13	0.82	8.0/450	連續 Continuous

特殊配件 Special accessories

馬達安裝用L型腳座 L shape foot seat installed for motor



延長綫

Prolonging line

使用于速度馬達和控制器之間的延長綫
Prolonging line used between speed motor and controller

為額外銷售品
Additional sale product

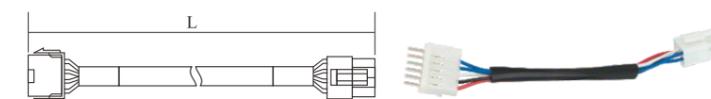
買控制器時，附有0.5m的延長綫。如需要加延長時，請額外購買。
When buying the controller, there will be prolonging linewith 0.5 m. If it needs to be prolonged, please buy it additionally.

延長綫的長度和產品名稱，請參照圖。
The length of prolonging line and the name of the product, please refer to the following figure

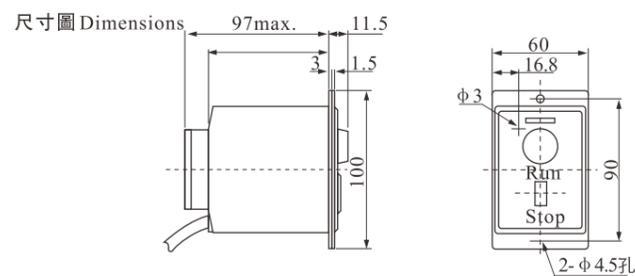
產品名稱

產品名稱 The name of the product	L (延長綫長度) L (the length of the prolonging line)
MC-01	1.0m
MC-02	2.0m
MC-03	3.0m

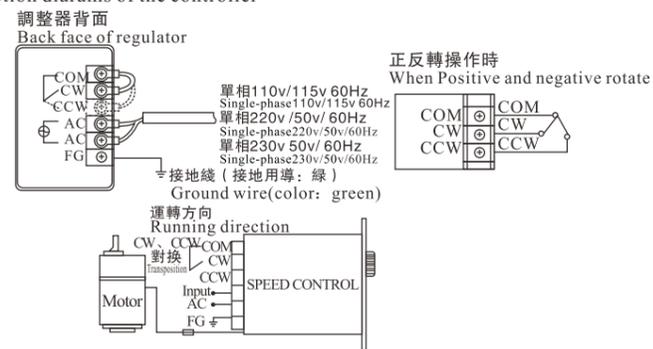
DIMENSION 單位: m Unit: m



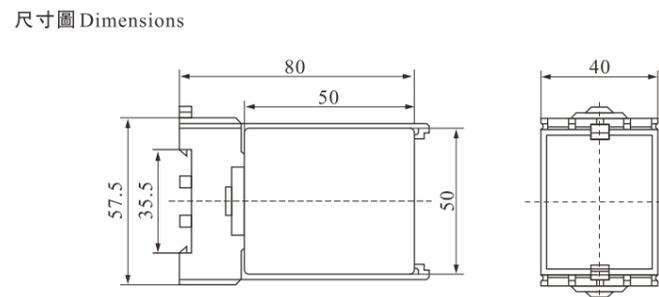
US-52 速度控制器 US-52 Speed controller



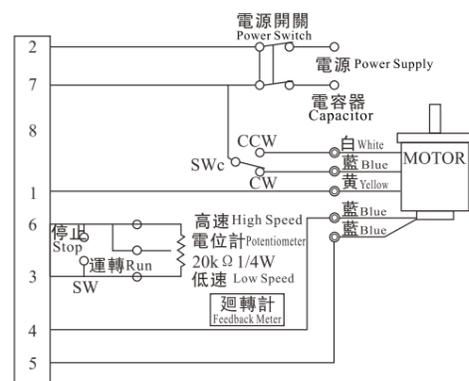
控制器接線圖 Connection diagrams of the controller



SS-22 速度控制器 SS-22 Speed controller



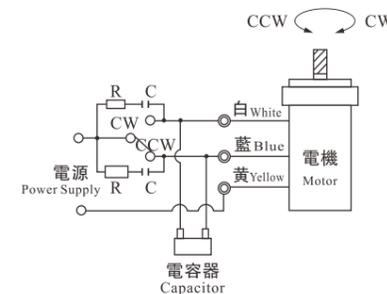
控制器接線圖 Connection diagrams of the controller



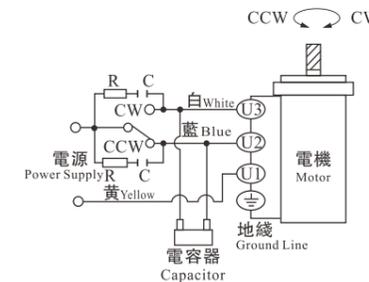
注：以上“接線圖”僅供參考
Note: "Connection diagrams" is for reference only.

接線方式 Wiring method

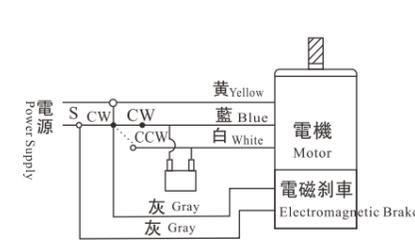
單相電機接線圖 Single-phase motor wiring diagram



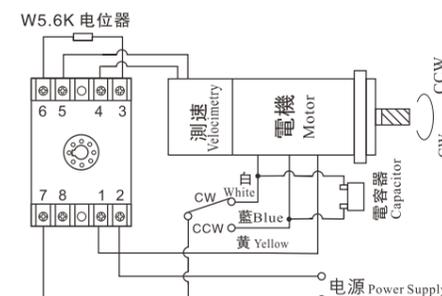
單相配端子箱電機接線圖 Single-phase motor with terminal box wiring diagram



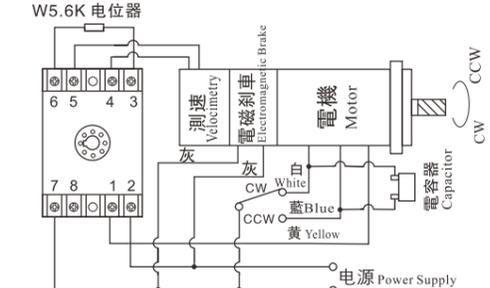
單相制馬達接線圖 Single-phase brake motor wiring diagram



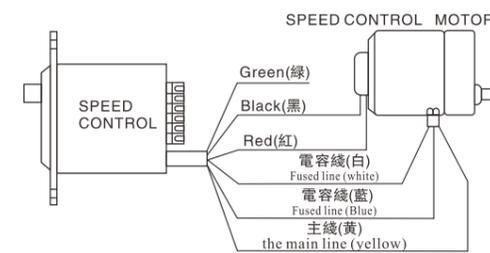
調速電機配SS速度控制器 Speed regulating motor with SS speed controller



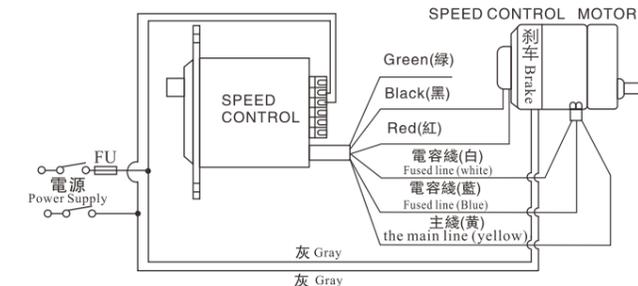
剎車帶調速電機配SS速度控制器 Brake band speed regulating motor with SS speed controller



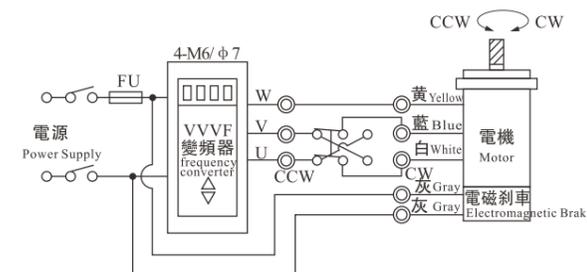
調速電機配US速度控制器 Speed regulating motor with US speed controller



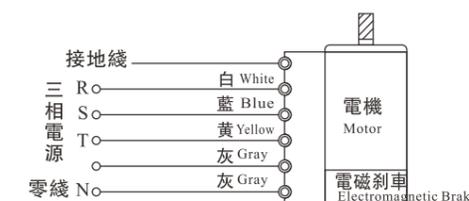
剎車帶調速電機配US速度控制器 Brake band speed regulating motor with US speed controller



三相制馬達配變頻器 Three-phase brake motor with frequency converter



三相制馬達接線圖 Three-phase motor wiring diagram



圖中R、C為阻容吸收回路，確保電機及相關控制部件可靠工作
The R and C circuit is resistance-capacitance absorption circuit, which ensures the reliable operation of the motor and relative control components.
(R=5~330Ω C=0.1~0.22 F 250VAC(450VAC))