

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
60				1.24	1225	12250	980	9800	1550	8/450	
6RK160GU-CF 6RK160A-CF	可逆 Reversible	160	單相 1-phase 220	50	1.4	1575	15750	1260	12600	1350	10/450
60				1.46	1225	12250	980	9800	1550	10/450	
6IK160GU-AF 6IK160A-AF	感應 Induction	160	單相 1-phase 110	50	2.4	1575	15750	1260	12600	1350	32/250
60				2.2	1225	12250	980	9800	1550	30/250	
6RK160GU-AF 6RK160A-AF	可逆 Reversible	160	單相 1-phase 110	50	2.6	1575	15750	1260	12600	1350	40/250
60				2.8	1225	12250	980	9800	1550	36/250	
6IK160GU-UF 6IK160A-UF	—	160	三相 3-phase 380	50	0.55	1468	14680	1175	11750	1350	—
60				0.50	1232	12320	986	9860	1550	—	
6RK160GU-SF 6RK160A-SF	—	160	三相 3-phase 220	50	0.95	1468	14680	1175	11750	1350	—
60				0.86	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
60				1.46	1540	15400	1232	12320	1550	10/450	
6RK180GU-CF 6RK180A-CF	可逆 Reversible	180	單相 1-phase 220	50	1.50	1837	18370	1470	14700	1350	12/450
60				1.46	1540	15400	1232	12320	1550	12/450	
6IK180GU-AF 6IK180A-AF	感應 Induction	180	單相 1-phase 110	50	2.8	1837	18370	1470	14700	1350	40/250
60				2.6	1540	15400	1232	12320	1550	40/250	
6RK180GU-AF 6RK180A-AF	可逆 Reversible	180	單相 1-phase 110	50	2.8	1837	18370	1470	14700	1350	48/250
60				2.6	1540	15400	1232	12320	1550	48/250	
6RK180GU-UF 6RK180A-UF	—	180	三相 3-phase 380	50	0.80	1825	18250	1460	14600	1350	—
60				0.75	1475	14750	1180	11800	1550	—	
6RK180GU-SF 6RK180A-SF	—	180	三相 3-phase 220	50	1.05	1825	18250	1460	14600	1350	—
60				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

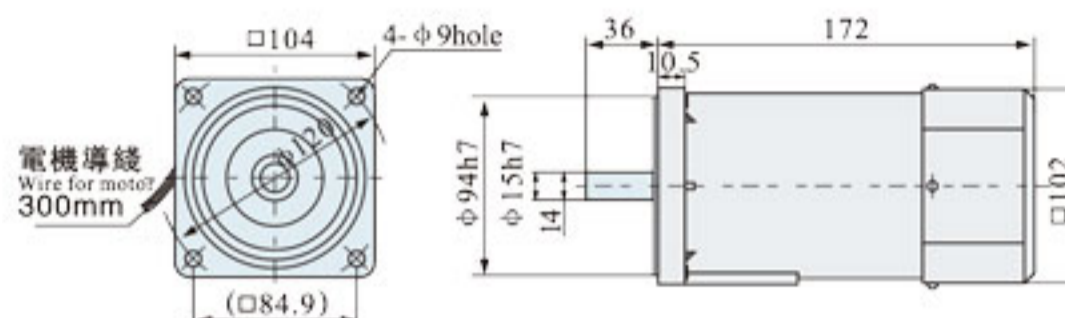
減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	減速比i ratio																								
		500	300	200	150	120	100	83	75	60	50	41	37	30	25	20	15	12	10	8	7	6	5	3		
最大允許負載 Max allowable load	160W	kg.cm	28.7	48	72	87	113.3	137.3	157	174	229	261	285	317	396											440
		N.m	2.81	4.69	7.04	8.53	11.27	13.53	15.4	17	22.6	25.6	28	31.1	38.8											43
最大允許負載 Max allowable load	180W	kg.cm	32.3	54	81	94.7	127.5	154.5	170	189	237	284	310	344	430											440
		N.m	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											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 Structure: Electric motor
重量：5kg Weight: 5kg

定速型

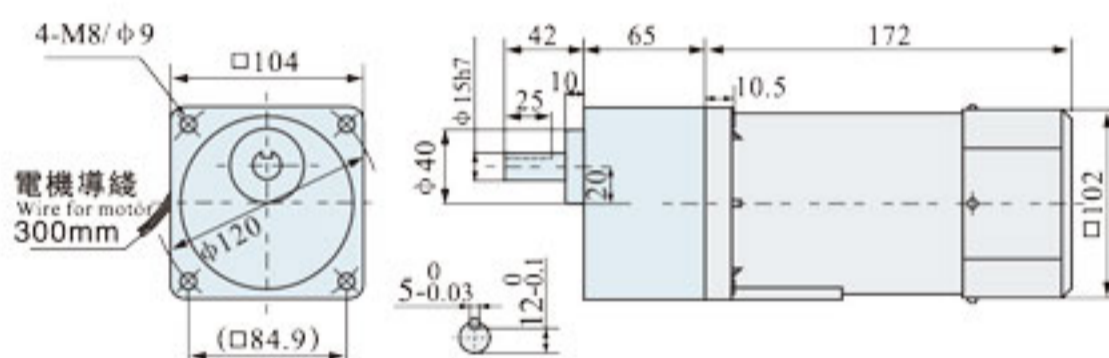
Optical axis type

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

帶端子箱型

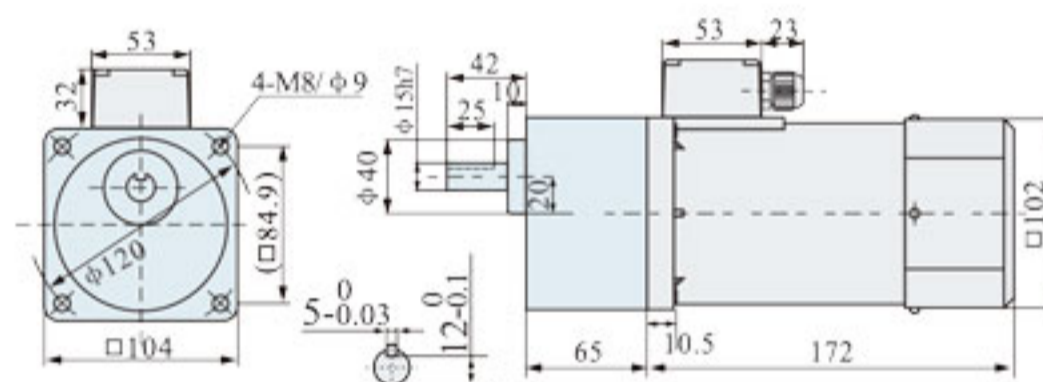
With terminal box type

齒輪品名

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

剎車定速型

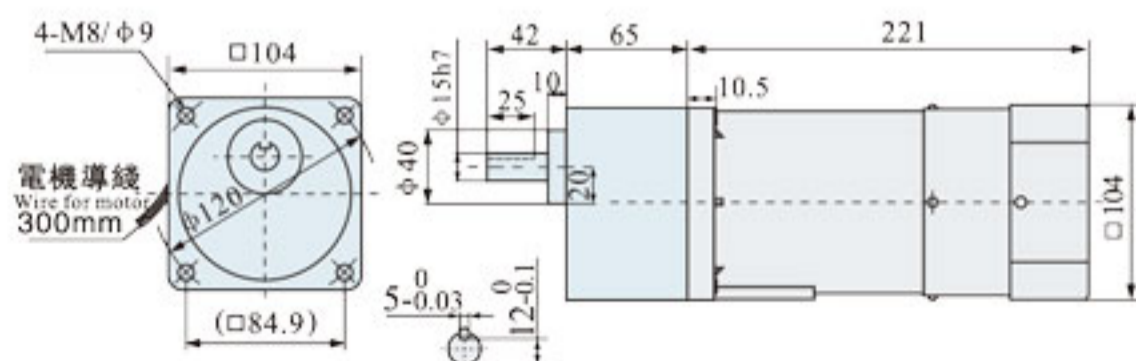
Brake Optical axis type

齒輪品名

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

剎車調速型

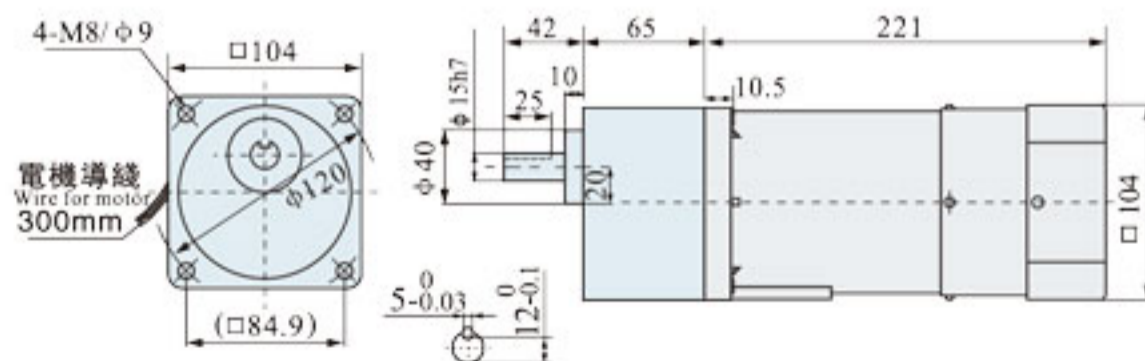
Brake Speed regulation type

齒輪品名

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