

# 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
60				1.0	925	9250	740	7400	1550	6/450	
6RK120GU-CF 6RK120A-CF	可逆 Reversible			50	1.2	1575	15750	1260	12600	1350	8/450
60				1.4	1225	12250	980	9800	1550	8/450	
6IK120GU-AF 6IK120A-AF	感應 Induction	120	單相 1-phase 110	50	1.7	1100	11000	880	8800	1350	30/250
60				1.6	925	9250	740	7400	1550	28/250	
6RK120GU-AF 6RK120A-AF	可逆 Reversible			50	1.8	1575	15750	1260	12600	1350	32/250
60				2.0	1225	12250	980	9800	1550	32/250	
6IK120GU-UF 6IK120A-UF	—	120	三相 3-phase 380	50	0.46	1100	11000	880	8800	1350	—
60				0.42	925	9250	740	7400	1550	—	
6RK120GU-SF 6RK120A-SF	—	120	三相 3-phase 220	50	0.8	1100	11000	880	8800	1350	—
60				0.73	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
60				1.12	1078	10780	863	8630	1550	8/450	
6RK140GU-CF 6RK140A-CF	可逆 Reversible			50	1.3	1285	12850	1028	10280	1350	10/450
60				1.43	1078	10780	863	8630	1550	10/450	
6IK140GU-AF 6IK140A-AF	感應 Induction	140	單相 1-phase 110	50	2.05	1285	12850	1028	10280	1350	32/250
60				1.9	1078	10780	863	8630	1550	30/250	
6RK140GU-AF 6RK140A-AF	可逆 Reversible			50	2.2	1285	12850	1028	10280	1350	40/250
60				2.4	1078	10780	863	8630	1550	32/250	
6RK140GU-UF 6RK140A-UF	—	140	三相 3-phase 380	50	0.55	1285	12850	1028	10280	1350	—
60				0.46	1078	10780	863	8630	1550	—	
6RK140GU-SF 6RK140A-SF	—	140	三相 3-phase 220	50	0.88	1285	12850	1028	10280	1350	—
60				0.80	1078	10780	863	8630	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

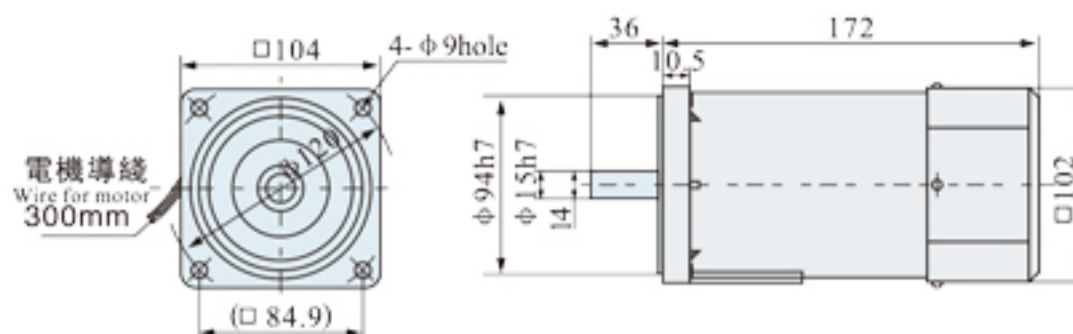
減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed	減速比i ratio																						
		500	300	200	150	120	100	83	75	60	50	41	37	30	25	20	15	12	10	8	7	6	5	3
最大允許負載 Max allowable load	120W	kg.cm 21.5	36	54	69.8	85	103	125	139	172	209	226	251											315
	N.m 2.11	3.52	5.28	6.85	8.45	10.2	12.3	13.6	16.9	20.5	22.14	24.6											31	
140W	kg.cm 25.1	42	63	73.5	99.2	120	132	147	200.7	221	238	265											330	
	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	

- 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

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

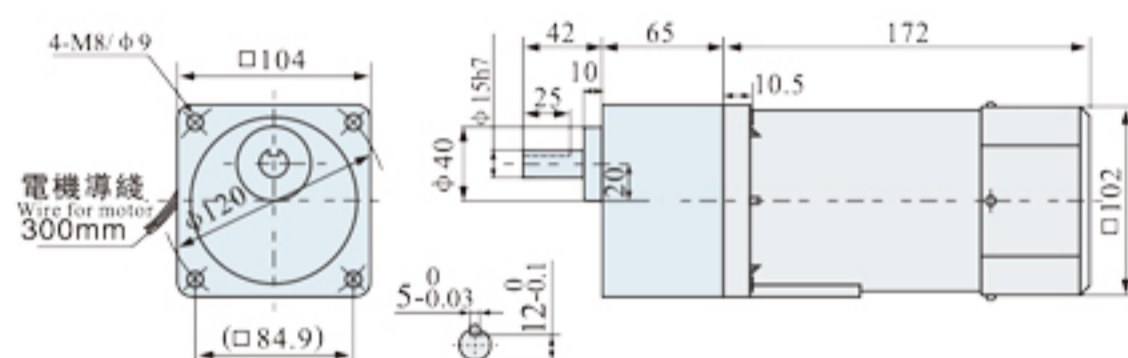
### 定速型

Optical axis type

### 齒輪品名

Name of Gear 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

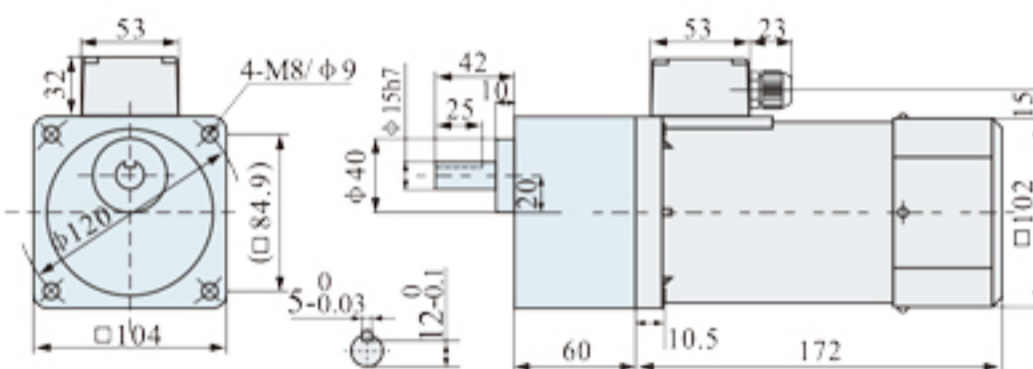
### 帶端子箱型

With terminal box type

### 齒輪品名

Name of Gear 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

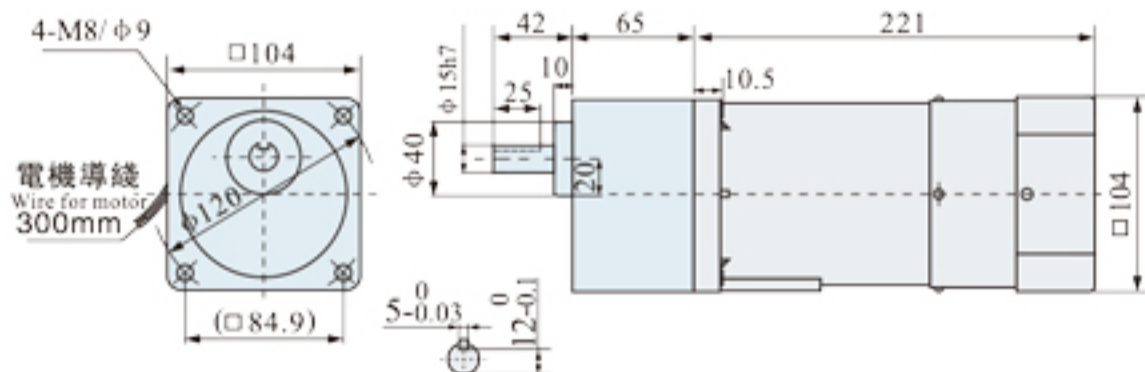
### 剎車定速型

Brake Optical axis type

### 齒輪品名

Name of Gear 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

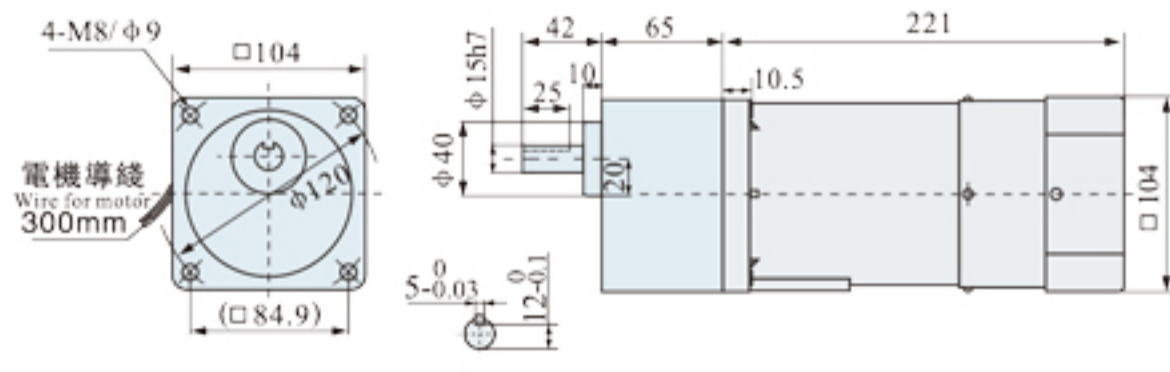
### 剎車調速型

Brake Speed regulation type

### 齒輪品名

Name of Gear 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