



共同引領世界  
Drive the world together

SMALL GEAR REDUCTION MOTOR  
MEDIUM GEAR REDUCTION MOTOR



G1系列微小型交流/直流無刷、有刷減速電機

GH系列中型齒輪減速電機

GS畜牧行業設備專用減速器

F0/F1系列直交軸減速器

LF/LB系列直線減速器

L1系列減速電機



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CATALOGUE I (2023)

# 共同引領世界 Drive the world together

台州市豪力實業有限公司是一家專業研發、生產和銷售小中型減速電機系列產品的企業。全面通過ISO9001質量體系認證和CE、CCC產品認證。技術力量雄厚，生產、檢測設施完善，產品遠銷歐美、東南亞及中東等。

豪力公司減速電機事業部目前的主要產品有：G1系列平行軸小型交直流減速電機(6W~750W)、無刷直流電機，精密行星減速器，轉矩電機、L系列直線型減速電機、F1系列同軸正方法蘭減速器、CB系列離合剎車電機、交直流調速器及減速器輔件，還有GH、G3、G4系列平行軸中型交流減速電機(0.1kW~7.5kW)，畜牧業設備專用減速電機，不銹鋼長軸高溫電機等。產品廣泛應用於印刷機械、食品包裝、紡織機械和家用電器等領域，噪音低、馬力足、質量穩定！品種為國內最齊全！

本公司將堅守“服務客戶，提升員工，發展企業”的核心價值觀，以科技創新為基礎，不斷進取，打造一個內貿、外貿並舉的生產型企業。

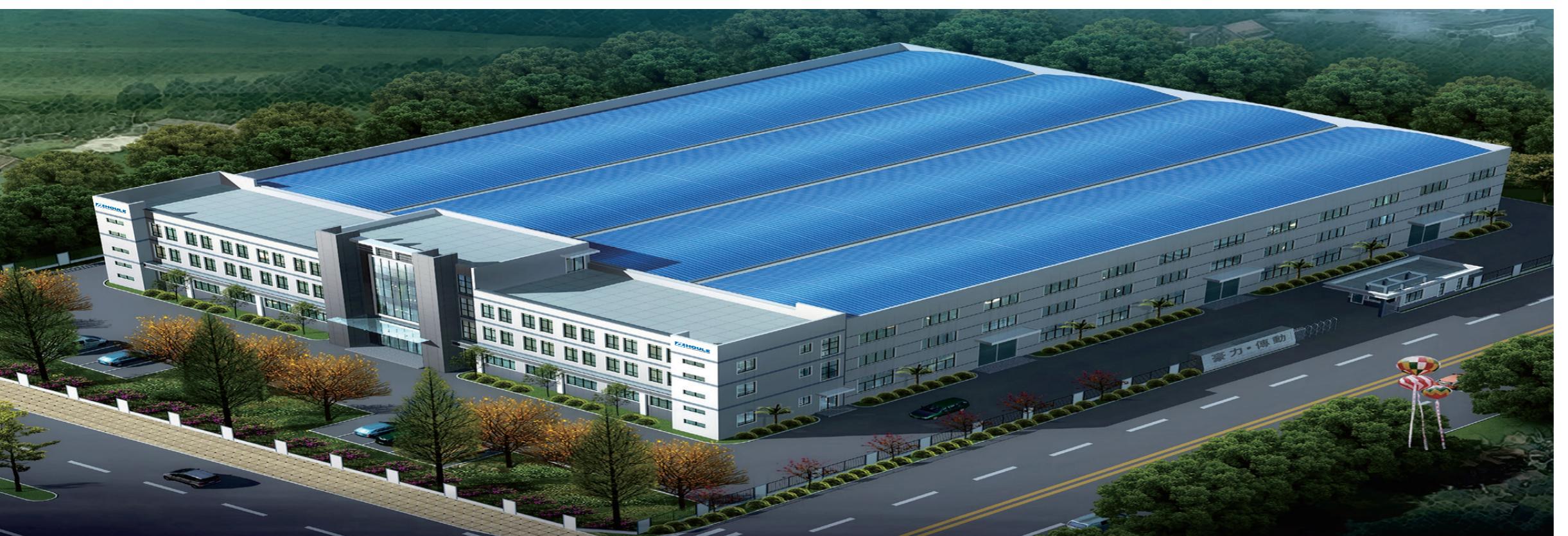
## COMPANY PROFILE

Taizhou Houle Industrial Co.,Ltd. is a Chinese manufacturer of small/medium gear reduction motor. Who has passed the ISO 9001 international Quality System Certification. Most of the products have got CE and CCC certifications. These products are sold all over the world such as the United States, Europe, Southeast Asia and Middle East, etc.

**The department of reduction motor product:** G1 series micro/small reduction motor (power : from 6W to 750W) , Brushless DC motor , Precision planetary reducer , Torque motor , L series Linear type reduction motor, F1 series orthogonal reduction motor, CB type gear reduction motor with electromagnetic clutch and brake, AC/DC speed controller and reduction motor accessories, GH/G3/G4 type medium reduction motor (Power :from 0.1kW to 7.5kW), the gear motors for poultry farm equipment, stainless steel thermostability long shaft motor, etc. They have been widely applied in the printing machinery, food machinery, packing machinery, textile machinery, household appliances, etc.

We shall meet customer increasing demand.

We shall provide customer with our best service.



PLANETARY GEAR BOX

AC SERVO MOTOR

AC SERVO DRIVER

DC BRUSHLESS MOTOR



H/F2 SERIES HYPOID GEAR REDUCTION MOTOR

G3/G4 SERIES HELICAL GEAR REDUCTION MOTOR

H2 SERIES HYPOID GEAR REDUCTION MOTOR

F/F3 SERIES HYPOID GEAR REDUCTION MOTOR

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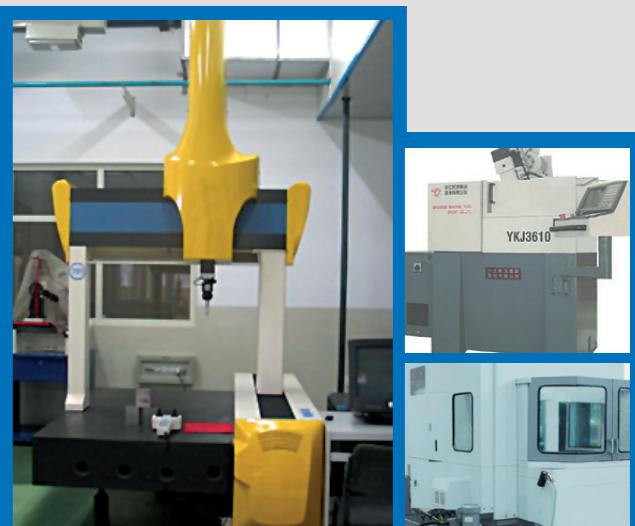
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Applies advanced production testing equipment during manufacturing quality control  
先進的生產和檢測設備 //



# SMALL GEAR REDUCTION MOTOR

微小型減速電機

- AC/DC small gear reduction motor  
交直流齒輪減速電機 (6W~400W)
- L series linear type motor  
L系列直線減速電機
- Heavy type reducer  
五級傳動、高強度GH箱

- F1 series concentric square flange  
F1系列同軸正方法蘭減速電機
- Clutch and brake motor  
電磁離合剎車齒輪減速電機
- Torque gear motor  
轉矩電機



P55



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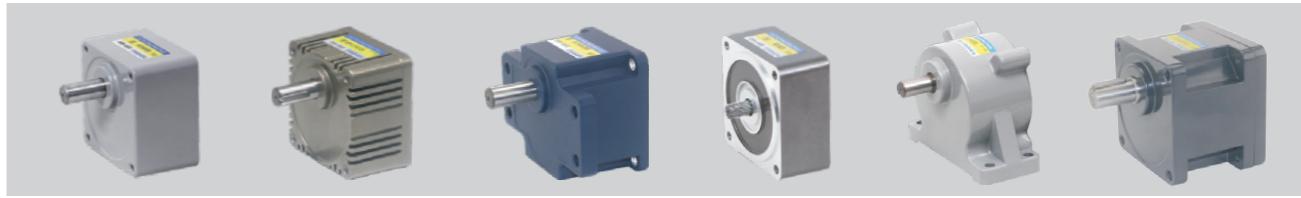
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## ► G1 TYPE PARALLEL SHAFT REDUCER G1系列平行軸減速器



$\frac{G1}{1} - \frac{5}{2} - \frac{GU}{3} - \frac{50}{4} - \frac{K}{5} - \frac{C}{6} - \frac{15}{7} - \frac{(G)}{8}$

1	Type code 機型系列代號	G1: G1 type parallel shaft reducer G1 系列平行軸減速器 ※: Normally, G1 isn't marked 一般不標
2	Frame size 外形尺寸	2: 60mm 3: 70mm 4: 80mm 5: 90mm 6: 104mm 7: 122mm
3	Gear shaft 所配齒軸類別	GN: General 普通型 GU: Reinforced 加強型 GH: Heavy 重載型 GM: Middle 中間箱
4	Reduction ratio 減速比	50: 1:50 x: 1:x
5	Bearing type 軸承類型	K: Ball bearing 滾珠軸承
6	Box type 箱體結構類型	C: Common 普通型箱 E: Double type box 兩用型箱 F: Flange 凸緣型箱 H: Heavy 重型箱
7	Output shaft DIA 輸出軸直徑	8: Φ8mm 10: Φ10mm 12: Φ12mm 15: Φ15mm 18: Φ18mm 22: Φ22mm
8	Color 顏色	G: Golden grey 金灰色 B: Bule 藍色 D: Dark blue 黑藍色 O: Oyster white 乳白色



$\frac{5}{1} - \frac{I}{2} - \frac{K}{3} - \frac{60}{4} - \frac{WM}{5} - \frac{C2}{6} - \frac{F}{7} - \frac{A1}{8} - \frac{12}{9} - \frac{T\ I}{10} - \frac{2}{11} - \frac{X}{12} - \frac{(G)}{13} - \frac{IP}{14}$

1	Frame size 外形尺寸	2: 60mm 3: 70mm 4: 80mm 5: 90mm 6: 104mm 7: 122mm
2	Motor type 電機類型	I: Induction 感應式 R: Reversible 可逆式 T: Torque 轉矩式 S: Short-time 短時工作制
3	Motor series 電機系列	K: K series 系列
4	Rated power 額定功率	6: 6W 15: 15W 25: 25W 40: 40W 60: 60W 250: 250W x: xW
5	Motor code 電機代號	R: Variable speed motor 調速電機 WM: No variable speed brake motor 非調速剎車電機 W: No variable speed motor 非調速電機 RM: Variable speed brake motor 調速剎車電機 WH: Brake with manual release 帶手動釋放剎車器
6	Rated voltage 額定電壓	C1: 1-Phase 單相110V C2: 1-Phase 單相220V S2: 3-Phase 三相220V S3: 3-Phase 三相380V S4: 3-Phase 三相440V S2/3: 3-Phase 三相220V/380V
7	Code of fan 風扇代號	F: Common 普通風扇 FD: Forced 強制風扇 ※ No mark means motor without fan 無風扇不標
8	Shaft type 電機軸類別	GN: General 普通型 GU: Reinforced 加強型 GH: Heavy 重載型 A0: Roundshaft 圓軸 A1: Keyway 鍵槽型 A2: Flat shaft 扁軸型 RV: For RV Rv專用 CB: For Clutch 離合器專用
9	Motor shaft DIM 電機軸直徑	8: Φ8mm 10: Φ10mm 12: Φ12mm x: Φ x mm ※ Gear shaft isn't marked 齒軸不標示
10	Accessory 輔件	T I / T II / T III : Terminal type 接線盒型 E: Electromagnetic clutch and brake 電磁離合器 P: Thermally 溫控開關
11	Motor pole 電機極數	2: 2 pole 4: 4 pole 6: 6 pole Remark: 4-pole motor isn't marked. 4極電機不標
12	Motor pipe form 電機筒形狀	X: Circular & short ribs 圓形矮筋 Y: Circular & no ribs 圓形無筋 Z: Square & tall ribs 方形高筋
13	Color 顏色	G: Golden grey 金灰色 B: Bule 藍色 D: Dark blue 黑藍色 O: Oyster white 乳白色
13	Protection Class 防護等級	20 54

## ► EXPLANATION ON TECHNICAL TERMS 常用術語解釋

## Ratings 額定

Usually they are defined by power output, voltage, cycles in frequency and rpm, etc. so called rated voltage, rated frequency, rated rpm, rated torque. **Rated output power:** Rated output power means to develop a best characteristic output power under the rated voltage and rated frequency of motors. The rated rpm and rated torque is simply called rated output power. **Rated time:** The continuous operation time under conditions of rated output called rated time. **Continuous duty rating:** Continuous operation at the rated output power under normal condition is called a continuous duty rating. **Short time rating:** While operation at the rated output power in a specific time is called short time rating.

在保持正常溫度下，電機能夠安全運行的限度稱為額定。例如額定電壓、額定頻率、額定轉速、額定轉矩等。

額定輸出：電機在額定電壓和額定頻率下，連續穩定的輸出的額定轉速、額定轉矩。

額定時間：額定輸出下可連續運轉的時間稱為額定時間。

連續額定：在額定輸出下，可連續使用時稱為連續額定。

## Torque 轉矩

**Allowable torque:** the reduction motor under rated voltage, rated frequency, rated power output is defined as continuous torque, as well as the rated torque. **Starting torque:** torque produced at any instant of a starting motor is called starting torque. Motor is not rotating in case of a larger load than the torque. **Maximum torque:** The maximum torque is produced under a specific voltage and specific frequency. Any loading is applied on a motor within this range of torque, motor is stopped.

容許轉矩：電機在額定電壓和額定頻率下，可容許輸出的轉矩。

起動轉矩：電機起動時瞬間產生的轉矩。

最大轉矩：電機在一定電壓、一定頻率下可能輸出的最大轉矩。

## Maximum allowable torque 容許轉矩

The torque for a motor output power can be increased in accordance with the bigger reduction ratio of the reduction motor. However, the practical limitation of the loading torque shall be effected by the material of the gear and some other conditions. 減速電機運轉時所能使用的最大轉矩。該轉矩受電機的額定轉矩、溫升以及組合的減速箱強度所限制。

## Radial load: The output shaft bears load in the radial direction.

Axial load: The output shaft bears load in the axial direction.

徑向負載：輸出軸在徑向承受的載荷。

軸向負載：輸出軸在軸向承受的載荷。

## Speed 轉速

No-load speed: The speed of the motor in no load. **Rated speed:** The speed of the motor under a rated output power.

**Synchronous speed:** Suppose the number of poles of a motor and the frequency of power source are given. It can be shown in the following equation which is usually expressed by revolution per minute.

空載轉速：電機在無負載時的轉速。

額定轉速：電機在額定工况下的轉速。

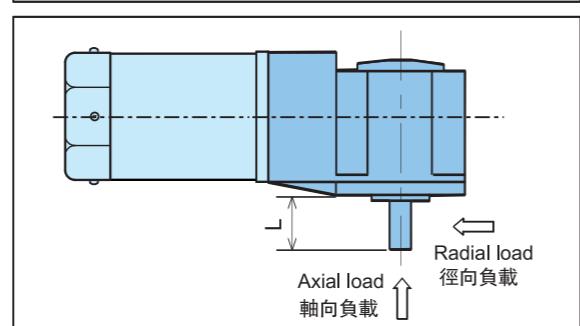
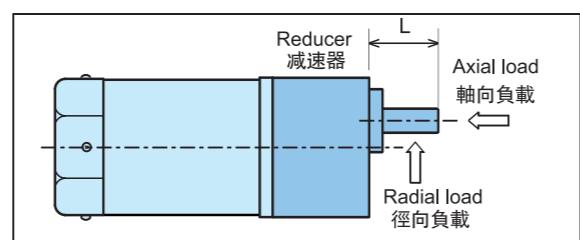
同步轉速：電機的固定特性參數，與電機的極數、頻率有關。

$$N_s = \frac{120f}{p}$$

Ns: Synchronous speed 同步速度 (r/min)

f: frequency 頻率 (Hz)

p: poles of the motor 電機極數



Model 型號	Reduction ratio 減速比	Allowable radial load 容許徑向負載(N)		Allowable axial load 容許軸向 負載(N)
		L=25mm	L=15mm	
2GN-□K	3~12.5	50	80	30
	15~300	120	180	
3GN-□K	3~12.5	80	120	40
	15~300	150	250	
4GN-□K	3~18	100	150	50
	20~300	200	300	
5GN-□K	3~10	130	200	100
	12.5~600	250	350	
5GU-□K	3~10	400	500	150
	12.5~300	500	700	
5GH-□K	50~250	700	900	200
	300~600	1000	1200	
6GU-□K	3~15	700	1000	250
	18~300	1000	1500	
6GH-□K	50~250	1500	1700	300
	300~600	1700	2000	
7	3~20	700	1000	400
	25~75	1000	1500	
	90~300	1500	1700	

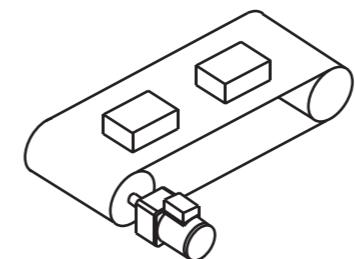
## ► CALCULATION FOR SELECTION 選型計算

## Description 簡要說明

In selecting the most suitable motor and reducer, the working conditions of the load must be ascertained first before load calculations are performed. Then, decide the model of the matching motor and gearbox required, and finally decide in the installation structure for the motor and gearbox according to installation requirements. 在電機和減速器的選型中，首先要確認負載的工作狀況，并在此基礎上對負載進行計算，如所需的扭矩、運行速度等，從而確定所配套電機、減速器型號，進而根據安裝要求，確定電機、減速箱的結構形式。

## Calculation for load power 負載功率計算

## Load calculation of conveyance belt 皮帶輸送的負載計算



$$P_z = (P_1 + P_2 + P_3) \frac{100}{\eta} (w)$$

$$P_1 = 9.8 \mu W V L (w)$$

$$P_2 = \frac{\mu Q L}{367} (w)$$

$$P_3 = \pm \frac{Q H}{367} (w)$$

Pz : Load power 總負載功率

P1 : No-load power of the conveyance belt 輸送帶空載功率

P2 : Horizontal working of the load on the conveyance belt 輸送帶上負載的水平做功

L : Length of the belt 輸送帶長度 (m)

W : Specific weight of the conveyance belt 輸送帶比重 (kgf/m)

$\mu$ : Friction coefficient 摩擦系數

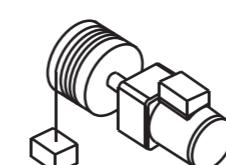
V: Velocity of the conveyance belt 輸送速度 (m/s)

Q: Capacity of conveyance 輸送能力 (kgf/h)

$\eta$ : Efficiency 效率 (%)

H: Height difference between both ends of the belt 輸送帶兩端的高度差 (m)

## Winding up/Lifting up the load 纏繞升降



$$P_z = \frac{WV}{6.12} \times \frac{100}{\eta} (w)$$

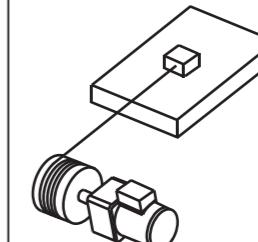
Pz : Load power 總負載功率

W : Weight of load 負載重量 (kgf)

V : Speed 升降速度 (m/min)

$\eta$  : Efficiency 效率 (%)

## Traveling on flat surface 水平牽引



$$P_z = \frac{\mu WV}{6.12} (w)$$

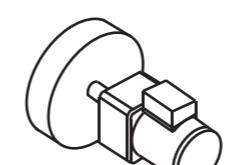
Pz : Load power 總負載功率

W : Weight of load 負載重量 (kgf)

V : Speed 運行速度 (m/min)

$\mu$  : Friction coefficient 摩擦系數

## Driving flywheel load 回轉輪驅動



$$P_z = 1.027 nT (w)$$

$$T \approx \frac{GD^2}{375} \times \frac{n}{t} (kgf \cdot m)$$

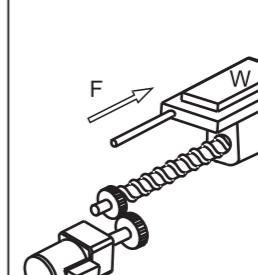
Pz : Load power 總負載功率

T : Torque 轉矩 (kgf · m)

n : Speed 轉速 (r/min)

GD<sup>2</sup>: Flywheel effect 回轉體  
轉動慣量 (kgf · m<sup>2</sup>)

## Driving ball screw 駕動滾珠絲杆



$$T = \frac{p}{2\pi} (F + \mu W) (kgf \cdot m)$$

T : Torque 轉矩 (kgf · m)

p : Lead 導程 (m)

F : External force 外力 (kgf)

W : Load 負載重量 (kgf)

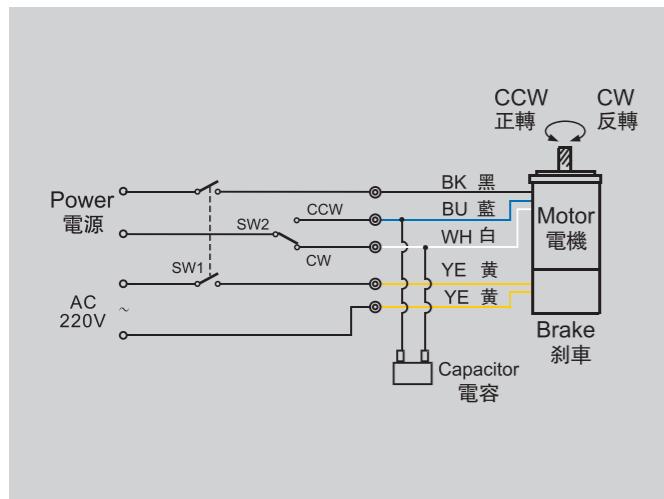
$\mu$  : Friction coefficient 摩擦系數 [0.05~0.2]

## Transmission efficiency of the gear reducers 減速器傳動效率

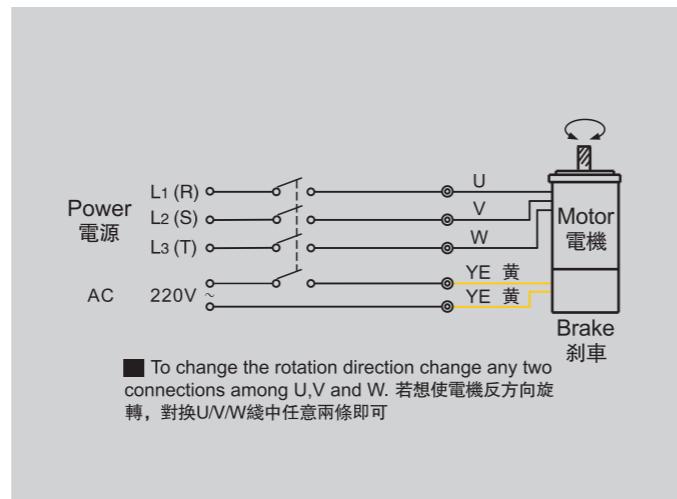
Type 型號	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
2GN/3GN/4GN																										
5GU/6GU/7GU																										

► CONNECTION DIAGRAMS 連接圖

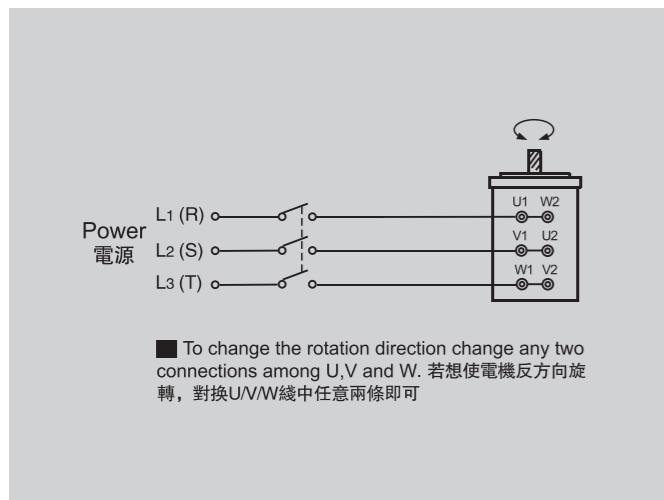
■ Brake type single-phase  
剎車型單相電機



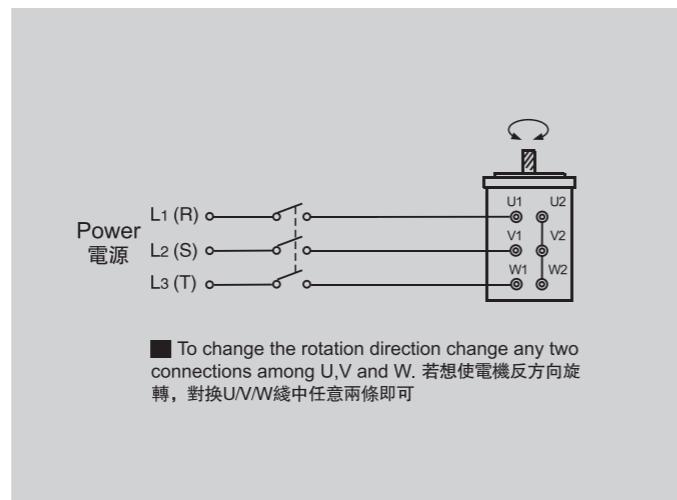
■ Brake type three-phase  
剎車型三相電機



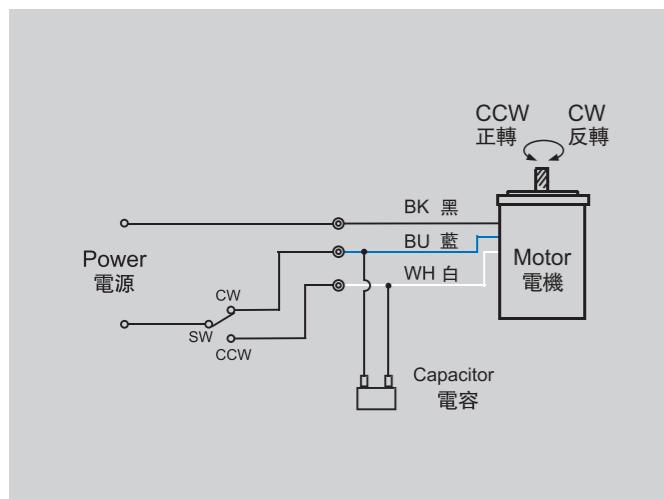
■ Three-phase 220V  
三相六線220V電機



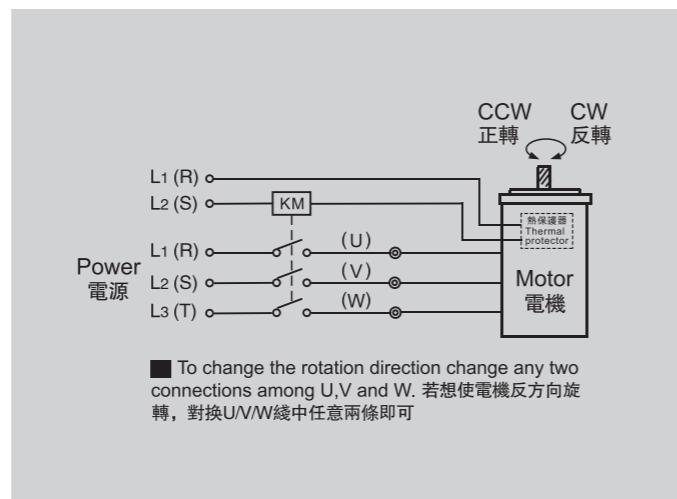
■ Three-phase 380V  
三相六線380V電機



■ Lead wire type single-phase  
導線型單相電機

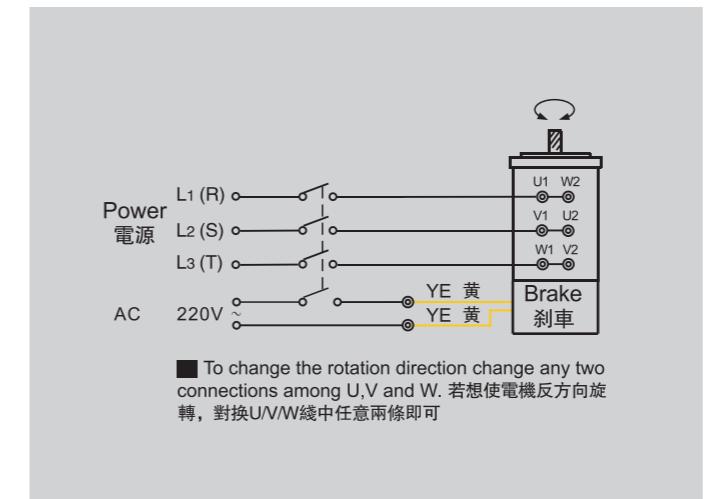


■ Lead wire type three-phase with thermal protector  
導線型三相電機(帶熱保護)

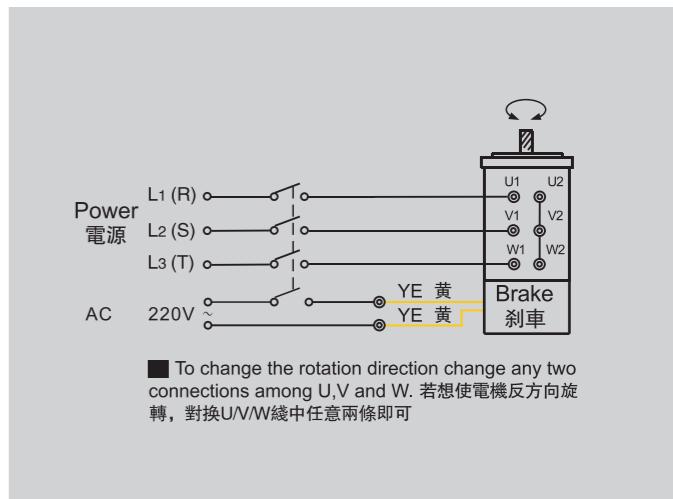


► CONNECTION DIAGRAMS 連接圖

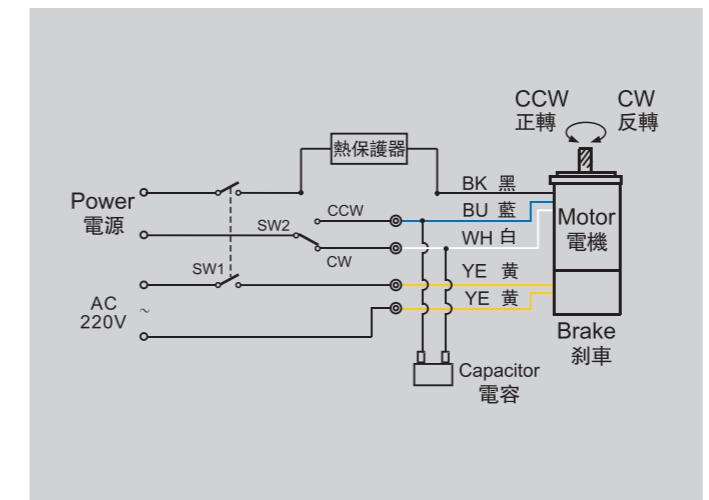
■ Brake type three-phase 220V  
剎車型三相六線220V電機



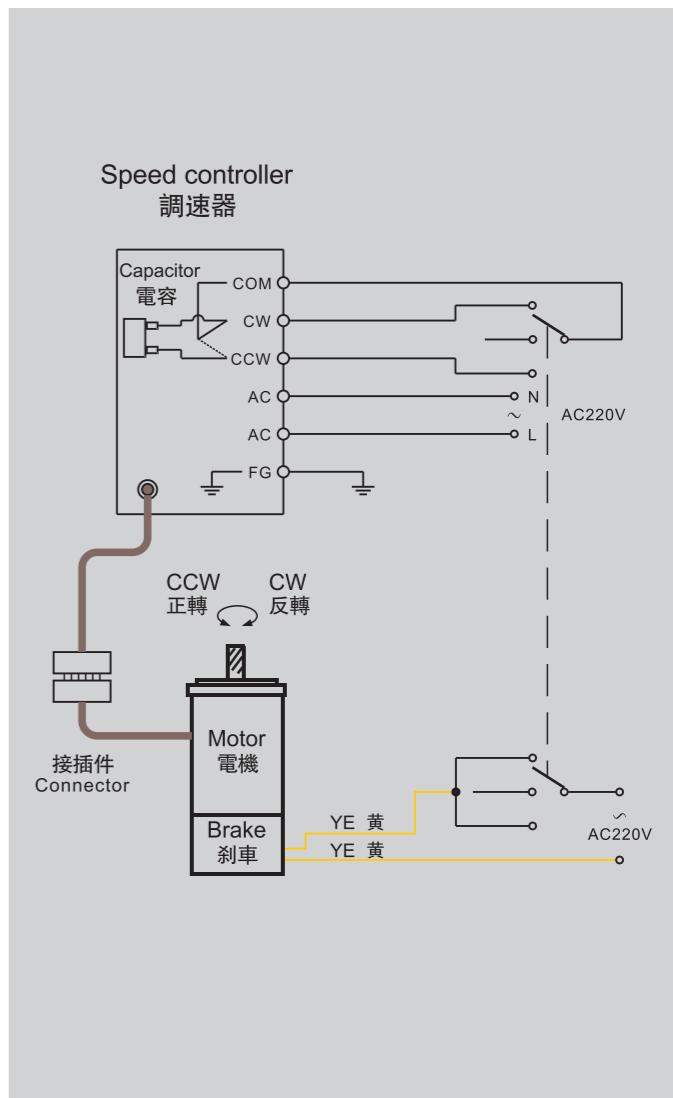
■ Brake type three-phase 380V  
剎車型三相六線380V電機



■ Brake type single-phase with thermal protector  
剎車型單相電機(帶熱保護)



■ Brake variable speed motor  
調速剎車電機



6/10W  
□60x60mm

Small gear reduction motor  
微小型減速電機

2GN300K-C8+2IK6W-C2-GN



2GM10K



2IK6W-C2-A2



6/10W  
□60x60mm

Small gear reduction motor  
微小型減速電機

2GM10K



2GN18K-C8



2GN250K-C8+2IK6W-C2-GN



2 Series 6/10W

#### ► TECHNICAL PARAMETERS 技術參數

Model 電機型號	Specs 規格	Rated power 功率 W	Rated voltage 電壓 V	Frequency 頻率 Hz	Rated current 電流 A	Starting torque 起動轉矩 mN.m	Rated torque 額定轉矩 mN.m	Rated speed 額定轉速 r/min	Time 時間定額 min	Capacitor 電容 μF/VAC
2IK6W-C1-A1 2IK6W-C1-GN	Induction motor 感應電機	6	1PH110 (單相)	50	0.22	38	47	1250	Continue 連續	3.5/250
2RK6W-C1-A1 2RK6W-C1-GN	Reversible 可逆電機			60	0.20	35	40	1500	Continue 連續	3/250
2IK6W-C2-A1 2IK6W-C2-GN	Induction motor 感應電機	6	1PH220 (單相)	50	0.11	38	47	1250	Continue 連續	1.0/450
2RK6W-C2-A1 2RK6W-C2-GN	Reversible 可逆電機			60	0.10	35	40	1500	Continue 連續	1.2/450
2IK6W-S2-A1 2IK6W-S2-GN	—	6	3PH220 (三相)	50	0.05	100	47	1250	Continue 連續	—
2IK6W-S2-A1 2IK6W-S2-GN	—			60	0.05	83	40	1500	Continue 連續	—
2IK6W-S3-A1 2IK6W-S3-GN	—	6	3PH380 (三相)	50	0.03	100	47	1250	Continue 連續	—
2IK6W-S3-A1 2IK6W-S3-GN	—			60	0.03	83	40	1500	Continue 連續	—
2IK10W-C1-A1 2IK10W-C1-GN	Induction motor 感應電機	10	1PH110 (單相)	50	0.26	60	76	1250	Continue 連續	4/250
2RK10W-C1-A1 2RK10W-C1-GN	Reversible 可逆電機			60	0.24	49	63	1500	Continue 連續	4/250
2IK10W-C2-A1 2IK10W-C2-GN	Induction motor 感應電機	10	1PH220 (單相)	50	0.15	60	76	1250	Continue 連續	1.2/450
2RK10W-C2-A1 2RK10W-C2-GN	Reversible 可逆電機			60	0.14	49	63	1500	Continue 連續	1.5/450
2IK10W-S2-A1 2IK10W-S2-GN	—	10	3PH220 (三相)	50	0.09	100	76	1250	Continue 連續	—
2IK10W-S2-A1 2IK10W-S2-GN	—			60	0.09	83	63	1500	Continue 連續	—
2IK10W-S3-A1 2IK10W-S3-GN	—	10	3PH380 (三相)	50	0.07	100	76	1250	Continue 連續	—
2IK10W-S3-A1 2IK10W-S3-GN	—			60	0.07	83	63	1500	Continue 連續	—

#### ► TORQUE 轉矩

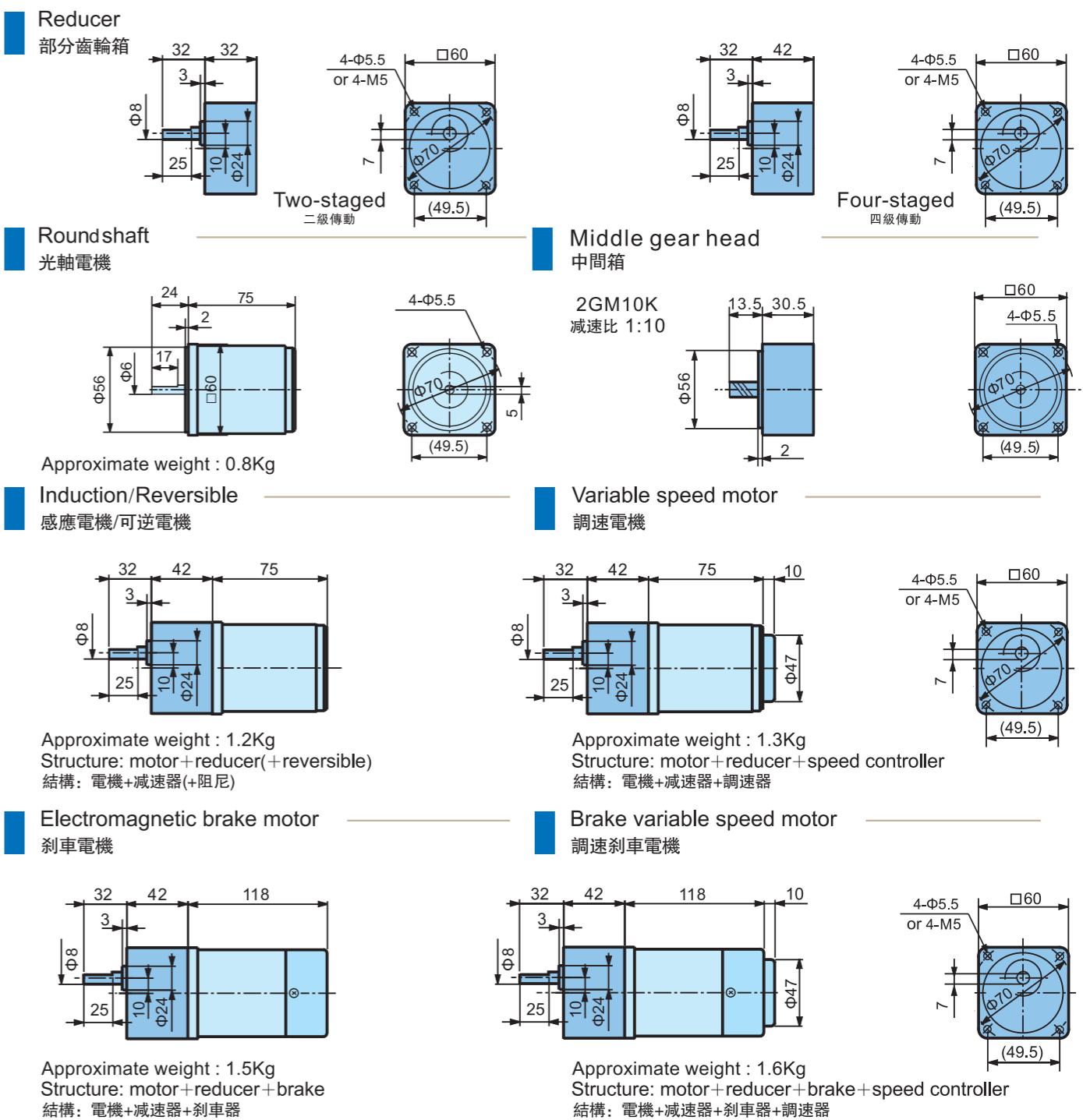
- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

Ratio 減速比	Two-staged 二級傳動												Three-staged 三級傳動						Four-staged 四級傳動							
	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5
Allowable torque 容許轉矩 N.m	0.12	0.14	0.20	0.24	0.30	0.36	0.40	0.50	0.60	0.72	0.8	0.89	1.11	1.31	1.42	1.61	1.90	2.41	2.90	3	3	3	3	3	3	3
Max torque 最大轉矩 N.m	0.13	0.15	0.22	0.26	0.33	0.39	0.44	0.55	0.66	0.79	0.88	0.98	1.22	1.40	1.56	1.77	2.09	2.65	3.19	3.30	3.30	3.30	3.30	3.30	3.30	3.30
Allowable torque 容許轉矩 N.m	0.19	0.22	0.32	0.38	0.47	0.57	0.63	0.79	0.95	1.15	1.27	1.59	1.91	2.32	2.58	3	3	3	3	3	3	3	3	3	3	3
Max torque 最大轉矩 N.m	0.20	0.24	0.35	0.41	0.51	0.62	0.69	0.86	1.04	1.26	1.39	1.74	2.10	2.55	2.83	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30

轉速是以電機的同步轉速為基準除以減速比的數值

The speed is calculated by dividing the motor's synchronous speed by the gear ratio.

#### ► OVERALL DIMENSIONS 外形尺寸



3GN300K-C10+3IK15W-C2-GN



3GM10K



3IK15W-C2-A2



3GM10K



3GN50K-C10+3IK20W-C2F-GN



3GN300K-C10+3IK15W-C2-GN



3 Series 15/20W

► TECHNICAL PARAMETERS 技術參數

Model 電機型號	Specs 規格	Rated power 功率 W	Rated voltage 電壓 V	Frequency 頻率 Hz	Rated current 電流 A	Starting torque 起動轉矩 m.N.m	Rated torque 額定轉矩 m.N.m	Rated speed 額定轉速 r/min	Time 時間定額 min	Capacitor 電容 μF/VAC
3IK15W-C1-A1 3IK15W-C1-GN	Induction motor 感應電機	15	1PH110 (單相)	50	0.33	92	115	1250	Continue 連續	5/250
3IK15W-C1-A1 3IK15W-C1-GN	Reversible 可逆電機			60	0.30	88	96	1500	Continue 連續	
3RK15W-C1-A1 3RK15W-C1-GN	Induction motor 感應電機	15	1PH220 (單相)	50	0.36	110	115	1250	Continue 連續	6/250
3RK15W-C1-A1 3RK15W-C1-GN	Reversible 可逆電機			60	0.34	105	96	1500	Continue 連續	
3IK15W-C2-A1 3IK15W-C2-GN	Induction motor 感應電機	15	1PH220 (三相)	50	0.15	92	115	1250	Continue 連續	1.2/450
3IK15W-C2-A1 3IK15W-C2-GN	Reversible 可逆電機			60	0.13	88	96	1500	Continue 連續	
3RK15W-C2-A1 3RK15W-C2-GN	Induction motor 感應電機	15	3PH220 (三相)	50	0.16	110	115	1250	Continue 連續	1.5/450
3RK15W-C2-A1 3RK15W-C2-GN	Reversible 可逆電機			60	0.12	105	96	1500	Continue 連續	
3IK15W-S2-A1 3IK15W-S2-GN	—	15	3PH380 (三相)	50	0.10	242	115	1250	Continue 連續	—
3IK15W-S2-A1 3IK15W-S2-GN	—			60	0.10	200	96	1500	Continue 連續	
3IK15W-S3-A1 3IK15W-S3-GN	—	15	3PH380 (三相)	50	0.06	242	115	1250	Continue 連續	—
3IK15W-S3-A1 3IK15W-S3-GN	—			60	0.06	200	96	1500	Continue 連續	
3IK20W-C1-A1 3IK20W-C1-GN	Induction motor 感應電機	20	1PH110 (單相)	50	0.40	130	150	1250	Continue 連續	6/250
3IK20W-C1-A1 3IK20W-C1-GN	Reversible 可逆電機			60	0.37	106	127	1500	Continue 連續	
3RK20W-C1-A1 3RK20W-C1-GN	Induction motor 感應電機	20	1PH220 (單相)	50	0.43	140	150	1250	Continue 連續	8/250
3RK20W-C1-A1 3RK20W-C1-GN	Reversible 可逆電機			60	0.41	120	127	1500	Continue 連續	
3IK20W-C2-A1 3IK20W-C2-GN	Induction motor 感應電機	20	1PH220 (三相)	50	0.22	130	150	1250	Continue 連續	1.5/450
3IK20W-C2-A1 3IK20W-C2-GN	Reversible 可逆電機			60	0.20	106	127	1500	Continue 連續	
3RK20W-C2-A1 3RK20W-C2-GN	Induction motor 感應電機	20	3PH220 (三相)	50	0.30	140	150	1250	Continue 連續	1.8/450
3RK20W-C2-A1 3RK20W-C2-GN	Reversible 可逆電機			60	0.27	120	127	1500	Continue 連續	
3IK20W-S2-A1 3IK20W-S2-GN	—	20	3PH220 (三相)	50	0.17	242	150	1250	Continue 連續	—
3IK20W-S2-A1 3IK20W-S2-GN	—			60	0.15	200	127	1500	Continue 連續	
3IK20W-S3-A1 3IK20W-S3-GN	—	20	3PH380 (三相)	50	0.13	242	150	1250	Continue 連續	—
3IK20W-S3-A1 3IK20W-S3-GN	—			60	0.12	200	127	1500	Continue 連續	

► TORQUE 轉矩

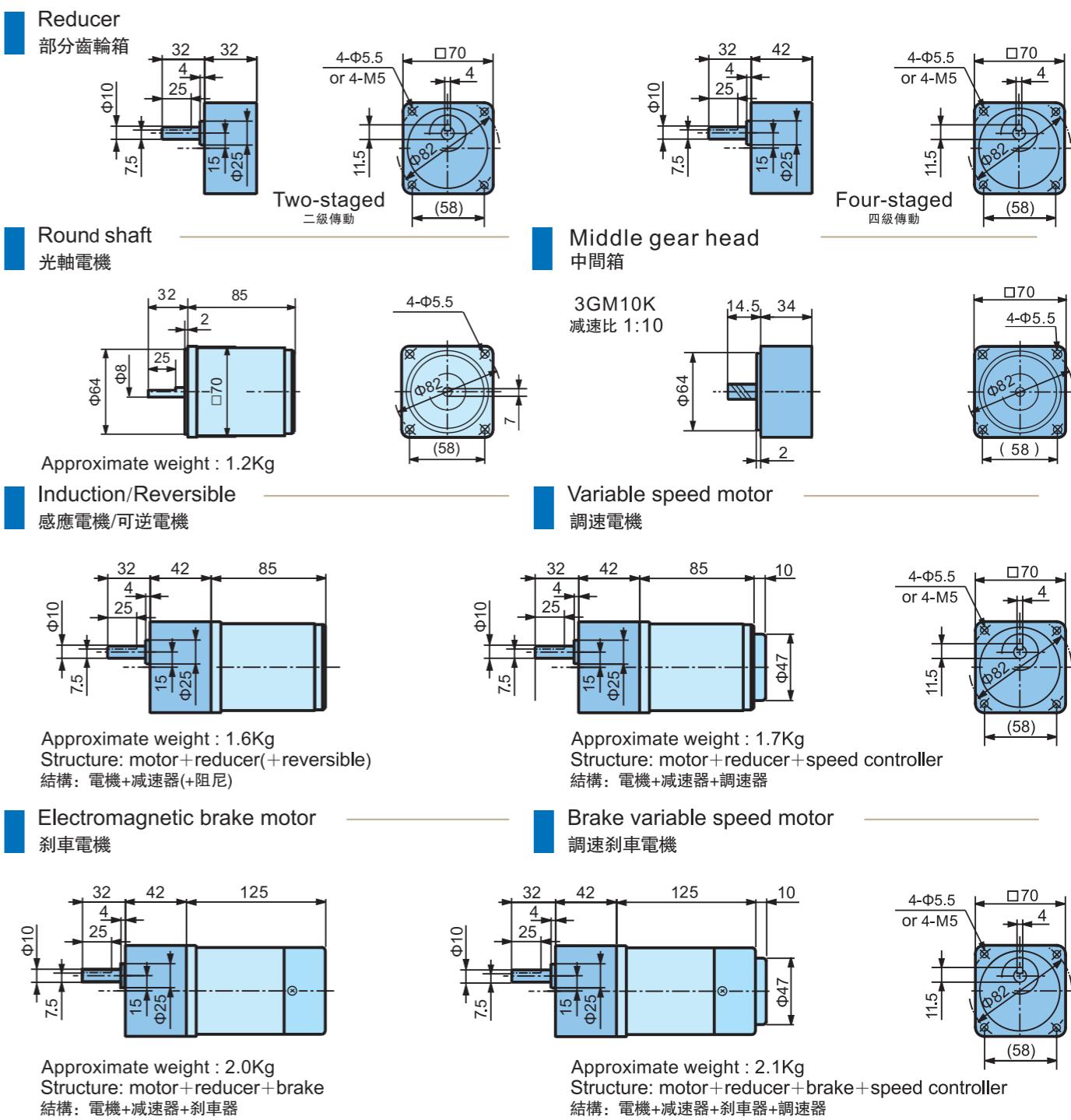
- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

Ratio 減速比	Two-staged 二級傳動												Three-staged 三級傳動												Four-staged 四級傳動											
	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300										
Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5										
Allowable torque 容許轉矩 N.m	0.30	0.36	0.51	0.61	0.76	0.90	1.05	1.30	1.51	1.82	2.01	2.31	2.71	3.33	3.61	4.11	5	5	5	5	5	5	5	5	5	5	5	5								
Max torque 最大轉矩 N.m	0.33	0.39	0.56	0.67	0.83	0.99	1.15	1.43	1.66	1.98	2.21	2.54	2.98	3.66	3.97	4.52	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50								
Allowable torque 容許轉矩 N.m	0.38	0.45	0.63	0.76	0.95	1.15	1.27	1.59	1.91	2.30	2.54	3.18	3.82	4.65	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5							
Max torque 最大轉矩 N.m	0.41	0.49	0.69	0.83	1.04	1.26	1.39	1.74	2.10	2.50	2.79	3.49	4.20	5.11	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50								

轉速是以電機的同步轉速為基準除以減速比的數值

The speed is calculated by dividing the motor's synchronous speed by the gear ratio.

► OVERALL DIMENSIONS 外形尺寸



25/30W Small gear reduction motor  
微小型減速電機  
□ 80x80mm

4GC50K-C15+4IK25W-C2-GN



4GN300K-C10+4IK25WM-C2-GN



4IK25W-C2-A2



25/30W  
□ 80x80mm

Small gear reduction motor  
微小型減速電機

4GN150K-C10+4IK30W-C2F-GN



4GM10K



4GN300K-C10+4IK25W-C2-GN



4 Series 25/30W

► TECHNICAL PARAMETERS 技術參數

Model 電機型號	Specs 規格	Rated power 功率 W	Rated voltage 電壓 V	Frequency 頻率 Hz	Rated current 電流 A	Starting torque 起動轉矩 mN.m	Rated torque 額定轉矩 mN.m	Rated speed 額定轉速 r/min	Time 時間定額 min	Capacitor 電容 μF/VAC
4IK25W-C1-A1 4IK25W-C1-GN	Induction motor 感應電機	25	1PH110 (單相)	50	0.48	150	190	1250	Continue 連續	6/250
4RK25W-C1-A1 4RK25W-C1-GN	Reversible 可逆電機			60	0.44	125	160	1500	Continue 連續	
4IK25W-C2-A1 4IK25W-C2-GN	Induction motor 感應電機	25	1PH220 (單相)	50	0.22	150	190	1250	Continue 連續	1.8/450
4RK25W-C2-A1 4RK25W-C2-GN	Reversible 可逆電機			60	0.20	125	160	1500	Continue 連續	
4IK25W-S2-A1 4IK25W-S2-GN	—	25	3PH220 (三相)	50	0.18	425	190	1250	Continue 連續	—
4IK25W-S3-A1 4IK25W-S3-GN	—	25	3PH380 (三相)	50	0.14	425	190	1250	Continue 連續	—
4IK30W-C1-A1 4IK30W-C1-GN	Induction motor 感應電機	30	1PH110 (單相)	50	0.60	191	220	1250	Continue 連續	8/250
4RK30W-C1-A1 4RK30W-C1-GN	Reversible 可逆電機			60	0.56	160	190	1500	Continue 連續	
4IK30W-C2-A1 4IK30W-C2-GN	Induction motor 感應電機	30	1PH220 (單相)	50	0.34	191	220	1250	Continue 連續	2/450
4RK30W-C2-A1 4RK30W-C2-GN	Reversible 可逆電機			60	0.32	160	190	1500	Continue 連續	
4IK30W-S2-A1 4IK30W-S2-GN	—	30	3PH220 (三相)	50	0.35	200	220	1250	Continue 連續	2.5/450
4IK30W-S3-A1 4IK30W-S3-GN	—	30	3PH380 (三相)	50	0.33	160	190	1500	Continue 連續	—
4IK30W-S2-A1 4IK30W-S2-GN	—	30	3PH220 (三相)	60	0.30	425	220	1250	Continue 連續	—
4IK30W-S3-A1 4IK30W-S3-GN	—	30	3PH380 (三相)	60	0.28	380	190	1500	Continue 連續	—
4IK30W-S2-A1 4IK30W-S2-GN	—	30	3PH380 (三相)	50	0.17	425	220	1250	Continue 連續	—
4IK30W-S3-A1 4IK30W-S3-GN	—	30	3PH380 (三相)	60	0.15	380	190	1500	Continue 連續	—

► TORQUE 轉矩

The same direction 輸出軸與電機旋轉方向相同  
 The opposite direction 輸出軸與電機旋轉方向相反

Ratio 減速比	Two-staged 二級傳動												Three-staged 三級傳動						Four-staged 四級傳動							
	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300
Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5
Allowable torque 容許轉矩 N.m	0.50	0.60	0.83	1.00	1.20	1.37	1.67	2.10	2.50	3.00	3.33	3.70	4.50	5.40	5.91	6.80	8	8	8	8	8	8	8	8	8	8
Max torque 最大轉矩 N.m	0.55	0.66	0.91	1.10	1.32	1.50	1.83	2.31	2.75	3.30	3.66	4.07	4.95	5.94	6.50	7.48	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80
Allowable torque 容許轉矩 N.m	0.57	0.68	0.95	1.14	1.43	1.72	1.91	2.38	2.86	3.45	3.82	4.77	5.73	6.98	7.74	8	8	8	8	8	8	8	8	8	8	8
Max torque 最大轉矩 N.m	0.62	0.74	1.04	1.25	1.57	1.89	2.10	2.61	3.14	3.79	4.20	5.24	6.30	7.67	8.51	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80

轉速是以電機的同步轉速為基準除以減速比的數值

The speed is calculated by dividing the motor's synchronous speed by the gear ratio.

25/30W  
□ 80x80mm

Small gear reduction motor  
微小型減速電機

4GN150K-C10+4IK30W-C2F-GN



4GM10K

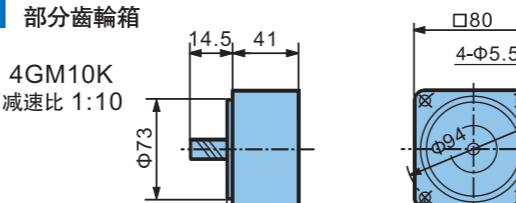


4GN300K-C10+4IK25W-C2-GN

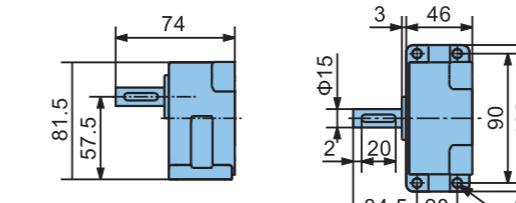


► OVERALL DIMENSIONS 外形尺寸

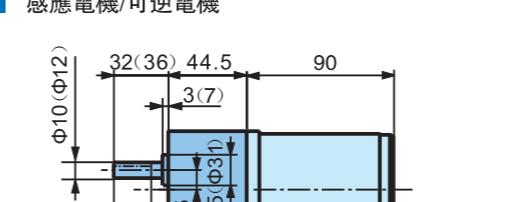
Reducer 部分齒輪箱



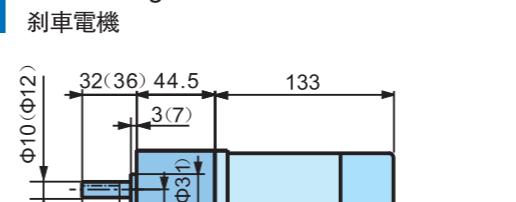
GC Reducer GC 齒輪箱



Induction/Reversible 感應電機/可逆電機

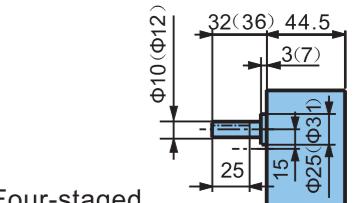
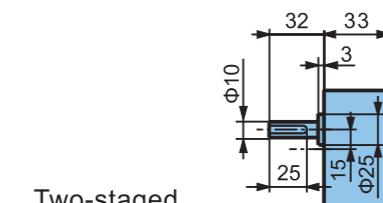


Electromagnetic brake motor 制動電機

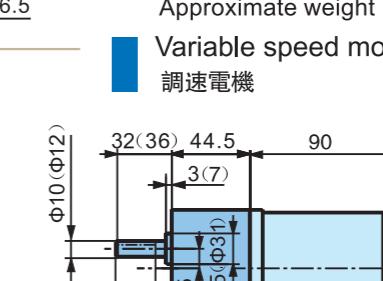
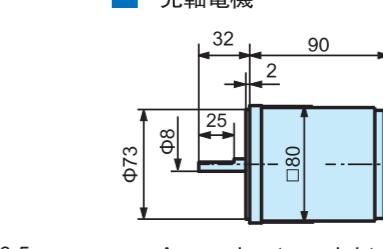


Approximate weight : 2.7Kg  
Structure: motor+reducer+brake  
結構: 電機+減速器+制動器

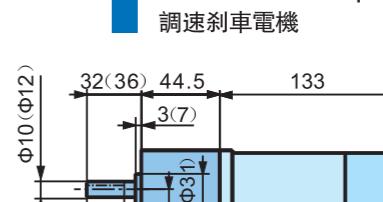
Two-staged 二級傳動



Round shaft 光軸電機



Brake variable speed motor 調速制動電機





40W  
□ 90x90mm  
Small gear reduction motor  
微小型減速電機

5GN50K-C12+5IK40W-C2-GN



5GN120K-C12+5IK40W-C2F-GN



5 Series 40W

► TECHNICAL PARAMETERS 技術參數

Model 電機型號	Specs 規格	Rated power 功率 W	Rated voltage 電壓 V	Frequency 頻率 Hz	Rated current 電流 A	Starting torque 起動轉矩 mN.m	Rated torque 額定轉矩 mN.m	Rated speed 額定轉速 r/min	Time 時間定額 min	Capacitor 電容 μF/VAC
5IK40W-C1-A1 5IK40W-C1-GU	Induction motor 感應電機	40	1PH110 (單相)	50	0.72	235	295	1300	Continue 連續	10/250
5RK40W-C1-A1 5RK40W-C1-GU	Reversible 可逆電機			60	0.64	180	250	1500		
5IK40W-C2-A1 5IK40W-C2-GU	Induction motor 感應電機	40	1PH220 (單相)	50	0.43	235	295	1300	Continue 連續	3/450
5RK40W-C2-A1 5RK40W-C2-GU	Reversible 可逆電機			60	0.39	180	250	1500	Continue 連續	
5IK40W-S2-A1 5IK40W-S2-GU	—	40	3PH220 (三相)	50	0.38	650	295	1300	Continue 連續	
5IK40W-S3-A1 5IK40W-S3-GU	—			60	0.35	540	250	1500	Continue 連續	
Variable motor Model 調速電機型號	Round shaft 圓軸電機	Rated power 功率 W	Rated voltage 電壓 V	Frequency 頻率 Hz	Time 時間定額 min	Starting torque 起動轉矩 mN.m	Adjustable speed 調速範圍 r/min	Torque 容許轉矩 mN.m	Capacitor 電容 μF/VAC	
Variable 調速 電機	5IK40R-C1-A1 5IK40R-C1-GU	40	1PH110 (單相)	50	Continue 連續	220	90 ~ 1400	290	60	10/250
				60		220	90 ~ 1700	290	60	
Variable 調速 電機	5IK40R-C2-A1 5IK40R-C2-GU	40	1PH220 (單相)	50	Continue 連續	220	90 ~ 1400	290	60	3/450
				60		220	90 ~ 1700	290	60	

► TORQUE 轉矩

- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

	Two-staged 二級傳動															Three-staged 三級傳動															Four-staged 四級傳動															Five-staged 五級傳動														
Ratio 減速比	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300	400	500	600																															
Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5	3.75	3	2.5																															
Allowable torque 容許轉矩 N.m	0.77	0.92	1.30	1.50	1.90	2.31	2.50	3.20	3.80	4.56	5.06	5.70	6.90	9.31	9.56	11.9	14.4	18.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0																													
Max torque 最大轉矩 N.m	0.84	1.01	1.43	1.65	2.09	2.54	2.75	3.52	4.18	5.01	5.56	6.27	7.59	10.2	10.5	13.0	15.8	20.5	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0																												

轉速是以電機的同步轉速為基準除以減速比的數值

The speed is calculated by dividing the motor's synchronous speed by the gear ratio.

40W  
□ 90x90mm

Small gear reduction motor  
微小型減速電機

5F1-S17N-150K-GU



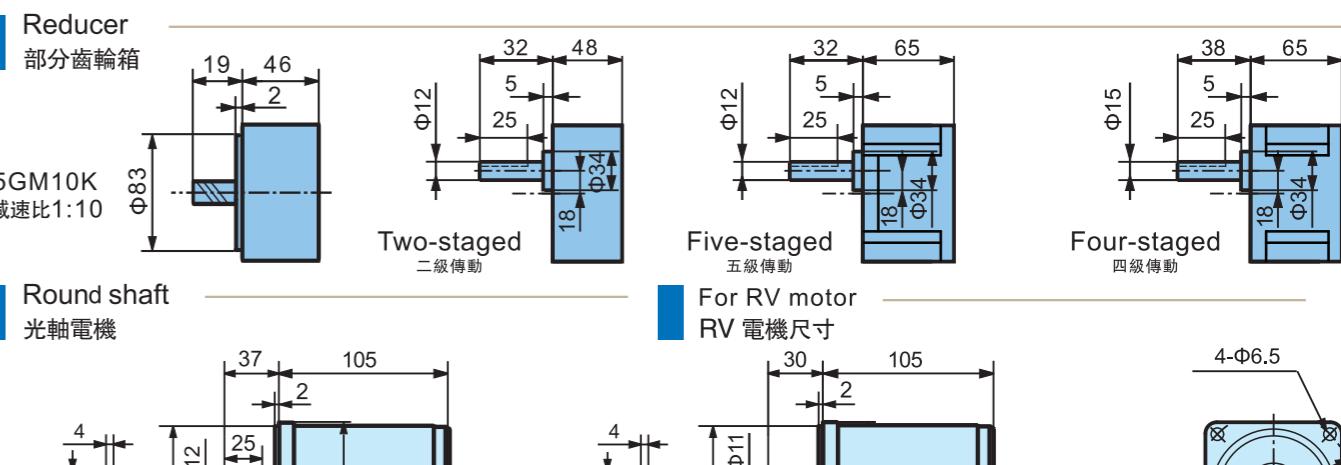
5GM10K



5GN60K-F12



► OVERALL DIMENSIONS 外形尺寸



Approximate weight : 2.4Kg

Structure: motor+reducer(+reversible)

結構: 電機+減速器(+阻尼)

Approximate weight : 3.7Kg

Structure: motor+reducer(+reversible)

結構: 電機+減速器(+阻尼)

Approximate weight : 3.8Kg

Structure: motor+reducer+speed controller

結構: 電機+減速器+調速器

Approximate weight : 4.3Kg

Structure: motor+reducer+brake

結構: 電機+減速器+剎車器

Approximate weight : 4.4Kg

Structure: motor+reducer+brake+speed controller

結構: 電機+減速器+剎車器+調速器

5 Series 40W

60W  
□ 90x90mm  
Small gear reduction motor  
微小型減速電機

5GD50K-C15+5IK60W-C2F-GU



5GU50K-C15+5IK60W-C2F-GU



60W  
□ 90x90mm  
Small gear reduction motor  
微小型減速電機

5GU120K-C15+5IK60W-C2F-GU-TIV



5GN18K-C12



5GN60K-F12



5 Series 60W

► TECHNICAL PARAMETERS 技術參數

Model 電機型號	Specs 規格	Rated power 功率 W	Rated voltage 電壓 V	Frequency 頻率 Hz	Rated current 電流 A	Starting torque 起動轉矩 mN.m	Rated torque 額定轉矩 mN.m	Rated speed 額定轉速 r/min	Time 時間定額 min	Capacitor 電容 μF/VAC	
5IK60W-C1F-A1 5IK60W-C1F-GU	Induction motor 感應電機	60	1PH110 (單相)	50	0.92	400	440	1300	Continue 連續	14/250	
5RK60W-C1F-A1 5RK60W-C1F-GU	Reversible 可逆電機			60	0.84	335	365	1500	Continue 連續	15/250	
5IK60W-C2F-A1 5IK60W-C2F-GU	Induction motor 感應電機	60	1PH220 (單相)	50	0.48	400	440	1300	Continue 連續	4/450	
5RK60W-C2F-A1 5RK60W-C2F-GU	Reversible 可逆電機			60	0.43	335	365	1500	Continue 連續	4/450	
5IK60W-S2-A1 5IK60W-S2-GU	—	60	3PH220 (三相)	50	0.50	1100	440	1300	Continue 連續	—	
5IK60W-S2-A1 5IK60W-S2-GU	—			60	0.45	920	365	1500	Continue 連續	—	
5IK60W-S3-A1 5IK60W-S3-GU	—	60	3PH380 (三相)	50	0.30	1100	440	1300	Continue 連續	—	
5IK60W-S3-A1 5IK60W-S3-GU	—			60	0.27	920	365	1500	Continue 連續	—	
Variable motor Model 調速電機型號	Round shaft 圓軸電機	Gear shaft 齒軸電機	Rated power 功率 W	Rated voltage 電壓 V	Frequency 頻率 Hz	Time 時間定額 min	Starting torque 起動轉矩 mN.m	Adjustable speed 調速範圍 r/min	Torque 容許轉矩 mN.m	Capacitor 電容 μF/VAC	
Variable 調速 電機	5IK60R-C1F-A1 5IK60R-C1F-GU	5IK60R-C2F-A1 5IK60R-C2F-GU	60	1PH110 (單相)	50	Continue 連續	390	90 ~ 1400	430	114	14/250
					60	Continue 連續	390	90 ~ 1700	430	114	
Variable 調速 電機	5IK60R-C2F-A1 5IK60R-C2F-GU	5IK60R-C2F-A1 5IK60R-C2F-GU	60	1PH220 (單相)	50	Continue 連續	390	90 ~ 1400	430	114	4/450
					60	Continue 連續	390	90 ~ 1700	430	114	

► TORQUE 轉矩

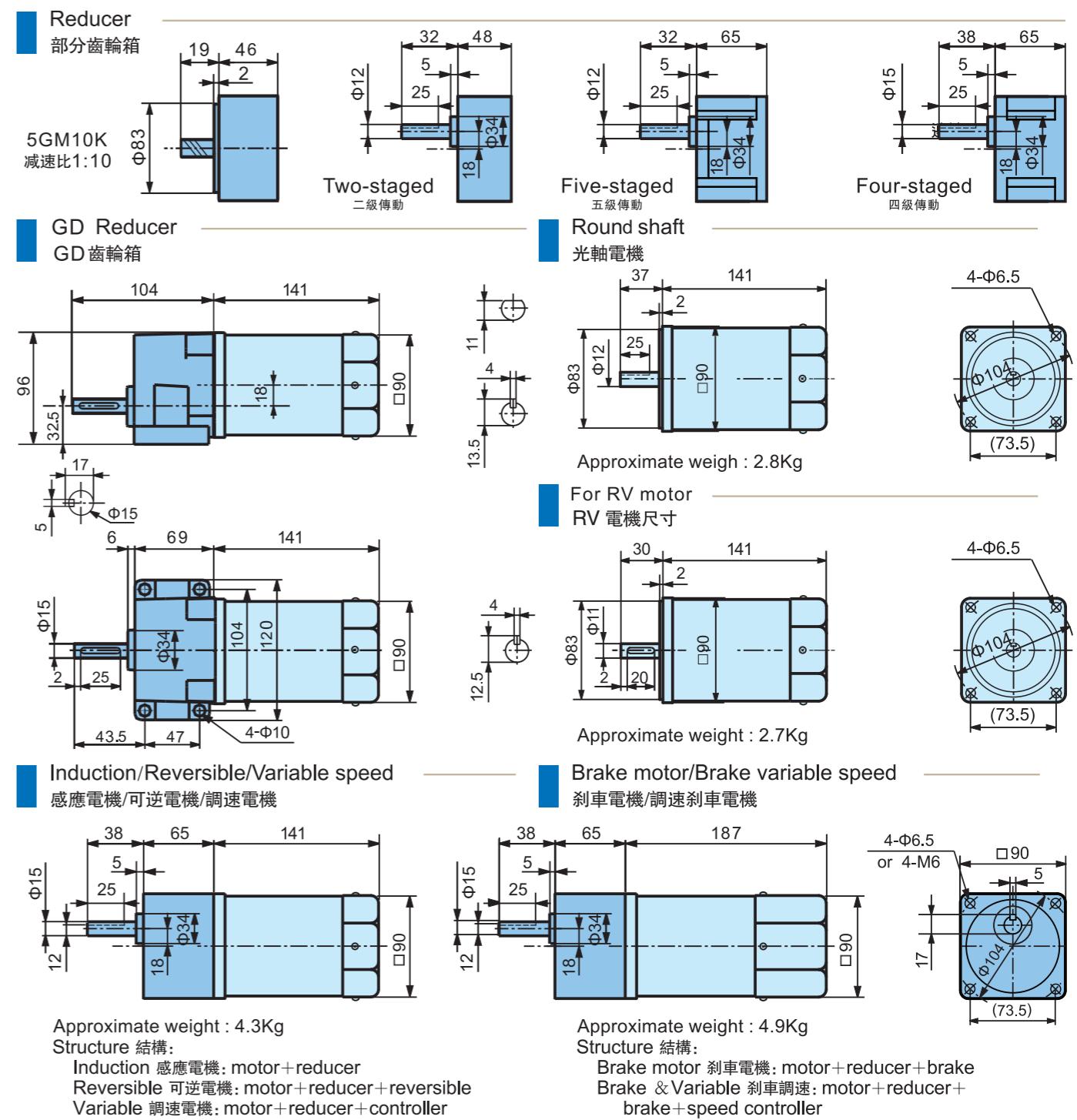
- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

	Two-staged 二級傳動															Three-staged 三級傳動										Four-staged 四級傳動										Five-staged 五級傳動									
Ratio 減速比	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300	400	500	600																
Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5	3.75	3	2.5																
60W	Allowable torque 容許轉矩 N.m	1.20	1.40	2.00	2.40	3.00	3.60	4.00	4.50	5.40	6.48	7.20	8.10	9.72	11.9	13.1	15.9	19.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0						
	Max torque 最大轉矩 N.m	1.32	1.54	2.20	2.64	3.30	3.96	4.40	4.95	5.94	7.12	7.92	8.90	10.6	13.0	14.4	17.4	20.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0						

轉速是以電機的同步轉速為基準除以減速比的數值

The speed is calculated by dividing the motor's synchronous speed by the gear ratio.

► OVERALL DIMENSIONS 外形尺寸











200W  
□ 90x90mm

Short-time work motor  
短時制工作電機

5GH600K-E18  
+5SK200W-C2F-GU



5 Series 200W

► TECHNICAL PARAMETERS 技術參數

Model 電機型號	Specs 規格	Rated power 功率 W	Rated voltage 電壓 V	Frequency 頻率 Hz	Rated current 電流 A	Starting torque 起動轉矩 N.m	Rated torque 額定轉矩 N.m	Rated speed 額定轉速 r/min	Time 時間定額 min	Capacitor 電容 μF/VAC
5SK200W-C1F-A1 5SK200W-C1F-GU	Induction motor 感應電機	200	1PH110 (單相)	50	2.40	1.10	1.42	1300	15	40/250
5SK200WM-C1F-A1 5SK200WM-C1F-GU	Brake motor 制動電機			60	2.16	0.92	1.18	1500		
5SK200W-C2F-A1 5SK200W-C2F-GU	Induction motor 感應電機	200	1PH220 (單相)	50	2.40	1.10	1.42	1300	15	10/450
5SK200WM-C2F-A1 5SK200WM-C2F-GU	Brake motor 制動電機			60	2.16	0.92	1.18	1500		
5SK200W-S2-A1 5SK200W-S2-GU	—	200	3PH220 (三相)	50	0.95	2.50	1.42	1300	15	
5SK200W-S3-A1 5SK200W-S3-GU	—	200	3PH380 (三相)	60	0.85	2.10	1.18	1500		
				50	0.55	2.50	1.42	1300	15	
				60	0.49	2.10	1.18	1500		

► TORQUE 轉矩

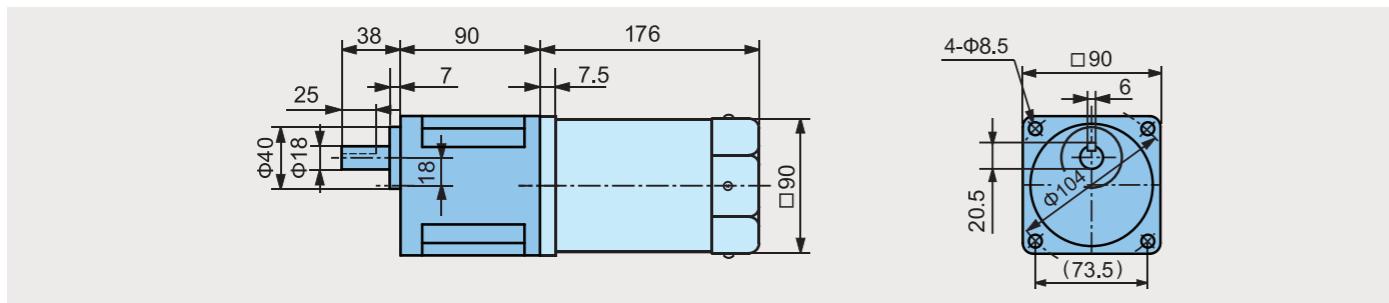
- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

	Two-staged 二級傳動										Three-staged 三級傳動					Four-staged 四級傳動					Five-staged 五級傳動								
Ratio 減速比	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300	400	500	600
Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5	3.75	3	2.5
200W	Allowable torque 容許轉矩 N.m	3.44	4.13	5.73	6.88	8.60	10.1	11.4	14.3	17.1	18.5	20.5	25.7	30.8	37.0	41.1	44	44	44	44	44	44	44	44	44	44	44	44	44
	Max torque 最大轉矩 N.m	3.78	4.54	6.30	7.56	9.46	11.1	12.5	15.7	18.8	20.3	22.5	28.2	33.8	40.7	45.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2

轉速是以電機的同步轉速為基準除以減速比的數值

The speed is calculated by dividing the motor's synchronous speed by the gear ratio.

► OVERALL DIMENSIONS 外形尺寸



40~180W  
□ 90x90mm

5GU60K-C15+5CB-GU+5IK120W-C2F-GU



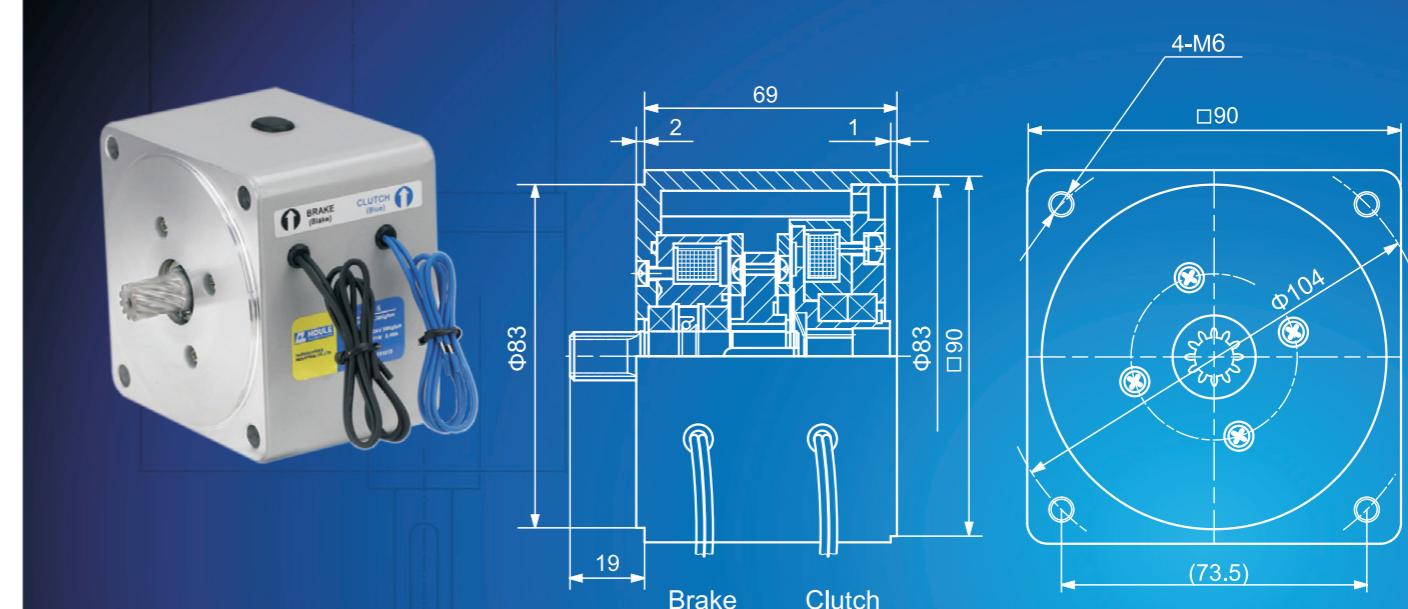
► DESCRIPTION OF CLUTCH MODEL 離合器型號說明

5 CB - GU  
1 2 3

1 Type code 類別代號	5: For "5" series reduction motor 配用5系列減速電機
2 Code of product 產品代號	CB: Electromagnetic clutch and brake 電磁離合剎車器
3 Shaft type 出軸形式	GN: General 普通型 GU: Reinforced 加強型 GH: Heavy 重載型 A0: Round shaft 圓軸 A1: Keyway type 鍵槽型 A2: Flat shaft type 扁軸型 RV: For RV 專用型

► TECHNICAL PARAMETERS 技術參數

- Consists of clutch and brake. Rated voltage is DC 24V. 由離合和制動兩部分構成，額定電壓24V。
- To work with power supply. Can realize instantaneous clutch and brake. 得電時工作，能實現瞬時制動和離合。



Clutch 離合部分	Brake 剎車部分
Rated voltage 額定電壓 (V)	DC24V
Static friction torque 靜摩擦轉矩 (kgf.cm)	38
Dynamic friction torque 動摩擦轉矩 (kgf.cm)	35
Rated power 額定功率 (W)	11
Wire color 引出線顏色	Blue 藍色 Black 黑色





RV040+6IK250W-C2F-RV14



→ P183

6GU200K-C15+6IK250WM-C2F-GU



6F1-S22N-600K-GU



6GU18K-C15



6GH600K-E18



► TECHNICAL PARAMETERS 技術參數

Model 電機型號	Specs 規格	Rated power 功率 W	Rated voltage 電壓 V	Frequency 頻率 Hz	Rated current 電流 A	Starting torque 起動轉矩 N.m	Rated torque 額定轉矩 N.m	Rated speed 額定轉速 r/min	Time 時間定額 min	Capacitor 電容 μF/VAC
6IK250W-C1F-A1 6IK250W-C1F-GU	Induction motor 感應電機	250	1PH110 (單相)	50	3.6	1.21	1.81	1300	Continue 連續	50/250
6IK250WM-C1F-A1 6IK250WM-C1F-GU	Brake motor 制動電機			60	3.24	1.01	1.51	1500	30	50/250
6IK250W-C2F-A1 6IK250W-C2F-GU	Induction motor 感應電機	250	1PH220 (單相)	50	3.6	1.23	1.81	1300	Continue 連續	12/450
6IK250WM-C2F-A1 6IK250WM-C2F-GU	Brake motor 制動電機			60	3.24	1.02	1.51	1500	30	12/450
6IK250W-S2F-A1 6IK250W-S2F-GU	—	250	3PH220 (三相)	50	1.33	3.61	1.81	1300	Continue 連續	
6IK250W-S3F-A1 6IK250W-S3F-GU	—	250	3PH380 (三相)	50	0.78	3.61	1.81	1300	Continue 連續	
6IK250W-S3F-A1 6IK250W-S3F-GU	—	250	3PH380 (三相)	60	0.70	3.01	1.51	1500	Continue 連續	
6IK300W-C1F-A1 6IK300W-C1F-GU	Induction motor 感應電機	300	1PH110 (單相)	50	4.32	1.52	2.20	1300	Continue 連續	60/250
6IK300WM-C1F-A1 6IK300WM-C1F-GU	Brake motor 制動電機			60	3.88	1.33	1.90	1500	30	60/250
6IK300W-C2F-A1 6IK300W-C2F-GU	Induction motor 感應電機	300	1PH220 (單相)	50	1.90	1.52	2.20	1300	Continue 連續	14/450
6IK300WM-C2F-A1 6IK300WM-C2F-GU	Brake motor 制動電機			60	1.70	1.33	1.90	1500	30	14/450
6IK300W-S2F-A1 6IK300W-S2F-GU	—	300	3PH220 (三相)	50	1.60	4.62	2.20	1300	Continue 連續	
6IK300W-S2F-A1 6IK300W-S2F-GU	—	300	3PH220 (三相)	60	1.44	4.00	1.90	1500	Continue 連續	
6IK300W-S3F-A1 6IK300W-S3F-GU	—	300	3PH380 (三相)	50	0.90	4.62	2.20	1300	Continue 連續	
6IK300W-S3F-A1 6IK300W-S3F-GU	—	300	3PH380 (三相)	60	1.00	4.00	1.90	1500	Continue 連續	

► TORQUE 轉矩

- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

Ratio 減速比	Two-staged 二級傳動														Three-staged 三級傳動														Four-staged 四級傳動														Five-staged 五級傳動													
	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300	400	500	600																											
Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5	3.75	3	2.5																											
Allowable torque 容許轉矩 N.m	4.35	5.22	7.25	8.70	10.8	13.0	14.5	18.1	21.7	26.1	29.0	36.2	43.5	44	44	44	44	44	44	44	44	44	44	90	90	90	90	90	90	90	90	90	90	90	90	90	90																			
250W Max torque 最大轉矩 N.m	4.78	5.74	7.97	9.57	11.8	14.3	15.9	19.9	23.8	28.7	31.9	39.8	47.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0																		
300W Allowable torque 容許轉矩 N.m	5.28	6.33	8.80	10.5	13.2	15.8	17.6	22.0	26.4	31.6	35.2	38.5	44	44	44	44	44	44	44	44	44	44	44	44	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90																	
300W Max torque 最大轉矩 N.m	5.80	6.96	9.68	11.5	14.5	17.3	19.3	24.2	29.0	34.7	38.7	42.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0																		

轉速是以電機的同步轉速為基準除以減速比的數值

The speed is calculated by dividing the motor's synchronous speed by the gear ratio.

As technical data for these machines may be advantaged 因技術改進，實際值可能與上述參數有差異，恕不另行通知。

400W  
□ 104x104mm

Small gear reduction motor  
微小型減速電機



→ P183

6 Series 400W

► TECHNICAL PARAMETERS 技術參數

Model 電機型號	Specs 規格	Rated power 功率 W	Rated voltage 電壓 V	Frequency 頻率 Hz	Rated current 電流 A	Starting torque 起動轉矩 N.m	Rated torque 額定轉矩 N.m	Rated speed 額定轉速 r/min	Time 時間定額 min	Capacitor 電容 μF/VAC
6IK400W-C1F-A1 6IK400W-C1F-GU	Induction motor 感應電機	400	1PH110 (單相)	50	4.94	2.05	2.94	1300	Continue 連續	80/250
6IK400WM-C1F-A1 6IK400WM-C1F-GU	Brake motor 制動電機			60	4.54	1.78	2.54	1500		
6IK400W-C2F-A1 6IK400W-C2F-GU	Induction motor 感應電機	400	1PH220 (單相)	50	2.47	2.05	2.94	1300	Continue 連續	15/450
6IK400WM-C2F-A1 6IK400WM-C2F-GU	Brake motor 制動電機			60	2.27	1.78	2.54	1500	30	15/450
6IK400W-S2-A1 6IK400W-S2-GU	—	400	3PH220 (三相)	50	1.20	5.88	2.94	1300	Continue 連續	
6IK400W-S3-A1 6IK400W-S3-GU	—	400	3PH380 (三相)	50	0.60	5.88	2.94	1300	Continue 連續	
				60	0.50	5.08	2.54	1500		

Variable motor Model 調速電機型號			Rated power 功率 W	Rated voltage 電壓 V	Frequency 頻率 Hz	Time 時間定額 min	Starting torque 起動轉矩 N.m	Adjustable speed 調速範圍 r/min	Torque 容許轉矩 mN.m		Capacitor 電容 μF/VAC
	Round shaft 圓軸電機	Gear shaft 齒軸電機						1250r/min	90r/min		
Variable 調速 電機	6IK400R-C1F-A1	6IK400R-C1F-GU	400	1PH110 (單相)	50	Continue 連續	2.05	90 ~ 1400		2.05	0.36
	6IK400R-C2F-A1	6IK400R-C2F-GU			60		1.78	90 ~ 1700		1.78	0.36
	6IK400R-C2F-A1	6IK400R-C2F-GU	400	1PH220 (單相)	50	Continue 連續	2.05	90 ~ 1400		2.05	0.36
					60		1.78	90 ~ 1700		1.78	0.36

► TORQUE 轉矩

- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

	Two-staged 二級傳動															Three-staged 三級傳動						Four-staged 四級傳動						
Ratio 減速比	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180					
Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3					
400W	Allowable torque 容許轉矩 N.m	6.96	8.35	11.6	13.9	17.4	20.8	23.2	29.0	34.8	41.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0					
	Max torque 最大轉矩 N.m	7.65	9.18	12.7	15.2	19.1	22.8	25.5	31.9	38.2	45.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4					

轉速是以電機的同步轉速為基準除以減速比的數值

The speed is calculated by dividing the motor's synchronous speed by the gear ratio.

400W  
□ 104x104mm

Small gear reduction motor  
微小型減速電機

6GU120K-C18+6IK400WM-C2F-GU

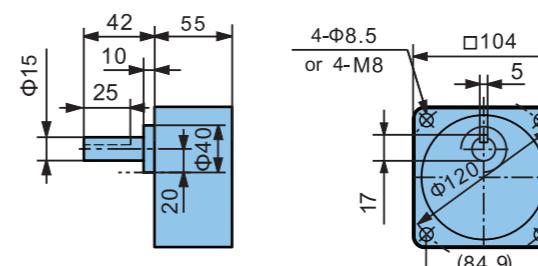


6IK400W-C2F-A1



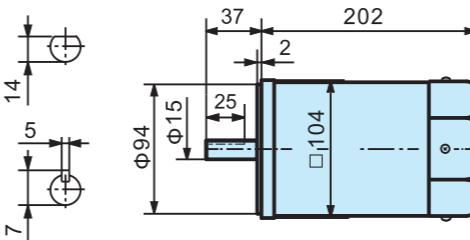
► OVERALL DIMENSIONS 外形尺寸

Reducer 部分齒輪箱



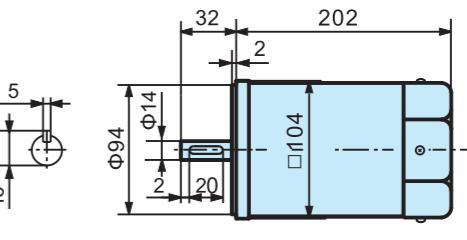
Two-staged  
二級傳動

Round shaft  
光軸電機



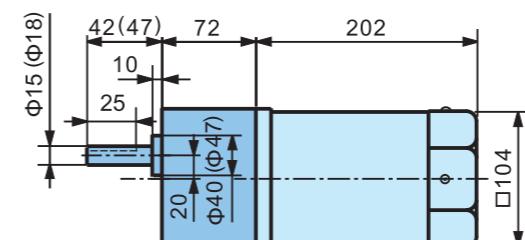
Approximate weight : 5.3Kg

For RV motor  
RV 電機尺寸



Approximate weight : 5.2Kg

Induction/Reversible/Variable speed

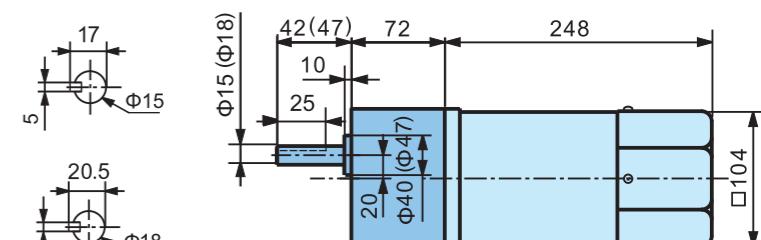


Approximate weight : 7.3Kg

Structure 結構:

Induction 感應電機: motor+reducer  
Reversible 可逆電機: motor+reducer+reversible  
Variable 調速電機: motor+reducer+controller

Brake motor/Brake variable speed



Approximate weight : 8.2Kg

Structure 結構:

Brake motor 剎車電機: motor+reducer+brake  
Brake & Variable 剎車調速: motor+reducer+brake+speed controller

As technical data for these machines may be advantaged 因技術改進，實際值可能與上述參數有差異，恕不另行通知。

7GC100K-H22+7IK400W-C2F-GH



7GH300K-H22+7IK300W-C2F-GH



7 Series 300/400W

► TECHNICAL PARAMETERS 技術參數

Model 電機型號	Specs 規格	Rated power 功率 W	Rated voltage 電壓 V	Frequency 頻率 Hz	Rated current 電流 A	Starting torque 起動轉矩 N.m	Rated torque 額定轉矩 N.m	Rated speed 額定轉速 r/min	Time 時間定額 min	Capacitor 電容 μF/VAC
7IK300W-C1F-A1 7IK300W-C1F-GU	Induction motor 感應電機	300	1PH110 (單相)	50	4.43	1.52	2.20	1300	Continue 連續	60/250
7IK300WM-C1F-A1 7IK300WM-C1F-GU	Brake motor 制動電機			60	3.95	1.33	1.90	1500		
7IK300W-C2F-A1 7IK300W-C2F-GU	Induction motor 感應電機	300	1PH220 (單相)	50	4.43	1.52	2.20	1300	Continue 連續	15/450
7IK300WM-C2F-A1 7IK300WM-C2F-GU	Brake motor 制動電機			60	3.95	1.33	1.90	1500		
7IK300W-S2F-A1 7IK300W-S2F-GU	—	300	3PH220 (三相)	50	1.5	4.62	2.20	1300	Continue 連續	—
7IK300W-S3F-A1 7IK300W-S3F-GU	—			60	1.3	4.00	1.90	1500		
7IK400W-C1F-A1 7IK400W-C1F-GU	Induction motor 感應電機	400	1PH110 (單相)	50	5.0	2.05	2.94	1300	Continue 連續	80/250
7IK400WM-C1F-A1 7IK400WM-C1F-GU	Brake motor 制動電機			60	4.8	1.78	2.54	1500		
7IK400W-C2F-A1 7IK400W-C2F-GU	Induction motor 感應電機	400	1PH220 (單相)	50	5.0	2.05	2.94	1300	30	80/250
7IK400WM-C2F-A1 7IK400WM-C2F-GU	Brake motor 制動電機			60	4.8	1.78	2.54	1500		
7IK400W-S2F-A1 7IK400W-S2F-GU	—	400	3PH220 (三相)	50	2.9	2.05	2.94	1300	Continue 連續	18/450
7IK400W-S3F-A1 7IK400W-S3F-GU	—			60	2.7	1.78	2.54	1500		
7IK400W-S2F-A1 7IK400W-S2F-GU	—	400	3PH380 (三相)	50	1.2	6.17	2.94	1300	Continue 連續	—
7IK400W-S3F-A1 7IK400W-S3F-GU	—			60	1.0	5.33	2.54	1500		

► TORQUE 轉矩

- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

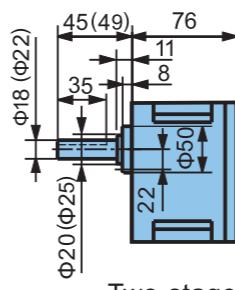
Ratio 減速比	Two-staged 二級傳動															Three-staged 三級傳動										Four-staged 四級傳動									
	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300									
Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5	6	5									
Allowable torque 容許轉矩 N.m	5.28	6.33	8.80	10.5	13.2	15.8	17.6	22.0	26.4	31.6	35.2	38.5	46.2	55.4	61.6	77.0	80.0	83.0	85.0	90.0	95.0	97.0	100	105	110	120	130								
Max torque 最大轉矩 N.m	5.80	6.96	9.68	11.5	14.5	17.3	19.3	24.2	29.0	34.7	38.7	42.3	80.8	60.9	67.7	84.7	88.0	91.3	93.5	99.0	104	106	110	115	121	130									
Allowable torque 容許轉矩 N.m	6.96	8.35	11.6	13.9	17.4	20.8	23.2	29.0	34.8	41.7	46.4	50.7	60.9	73.0	77.0	78.0	83.0	90.0	97.0	100	110	120	120	120	120	120	120								
Max torque 最大轉矩 N.m	7.65	9.18	12.7	15.2	19.1	22.8	25.5	31.9	38.2	45.8	51.0	55.7	66.9	80.3	84.7	85.8	91.3	99.0	106	110	121	130	130	130	130	130	130								

轉速是以電機的同步轉速為基準除以減速比的數值

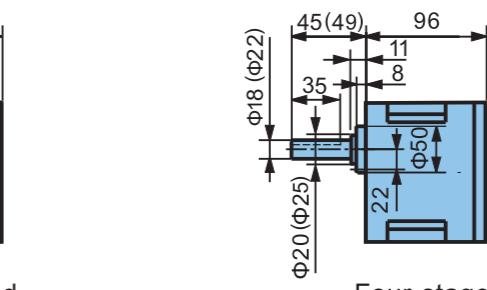
The speed is calculated by dividing the motor's synchronous speed by the gear ratio.

► OVERALL DIMENSIONS 外形尺寸

Reducer  
齒輪箱

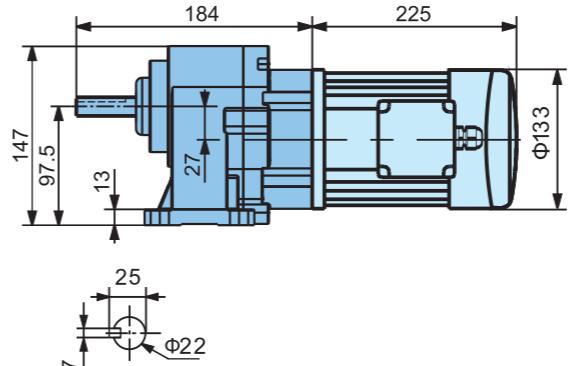


Two-staged  
二級傳動

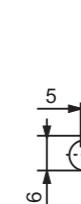


Four-staged  
四級傳動

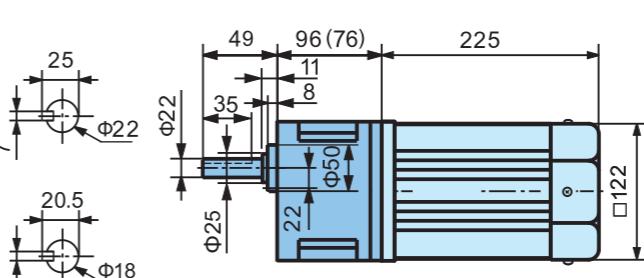
GC Reducer  
GC 齒輪箱



For RV motor  
RV 電機尺寸



Brake motor/Brake variable speed  
剎車電機/調速剎車電機



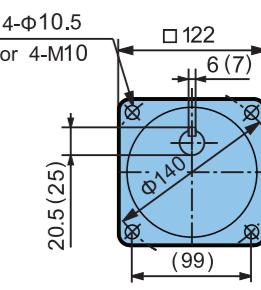
Approximate weight : 10.2Kg

Structure 結構:

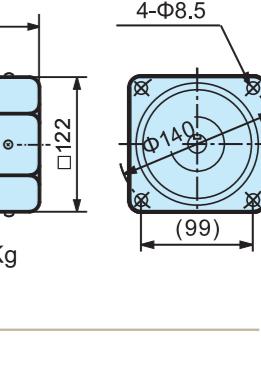
Induction 感應電機: motor+reducer

Reversible 可逆電機: motor+reducer+reversible

Variable 調速電機: motor+reducer+controller



Roundshaft  
光軸電機



Brake motor/Brake variable speed  
剎車電機/調速剎車電機



Approximate weight : 11Kg

Structure 結構:

Brake motor 剎車電機: motor+reducer+brake

Brake & Variable 剎車調速: motor+reducer+brake+speed controller

7GH75K-H22+7IK750WM-C2F-GH



7F1-S28N-60K-GH+7IK750WM-C2F-GH



→ P61

► TECHNICAL PARAMETERS 技術參數

Model 電機型號	Specs 規格	Rated power 功率 W	Rated voltage 電壓 V	Frequency 頻率 Hz	Rated current 電流 A	Rated torque 額定轉矩 N.m	Rated speed 額定轉速 r/min	Time 時間定額 min	Capacitor 電容 μF/VAC
7IK550W-C2F-A1 7IK550W-C2F-GU	Induction motor 感應電機	550	1PH220 (單相)	50	3.00	4.00	1300	Continue 連續	20/450
				60	3.20	3.50	1500		
7IK550W-S2F-A1 7IK550W-S2F-GU		550	3PH220 (三相)	50	2.26	4.00	1300	Continue 連續	
				60	2.02	3.50	1500		
7IK550W-S3F-A1 7IK550W-S3F-GU		550	3PH380 (三相)	50	1.42	4.00	1300	Continue 連續	
				60	1.17	3.50	1500		
7IK750W-S2F-A1 7IK750W-S2F-GU		750	3PH220 (三相)	50	3.93	5.50	1300	Continue 連續	
				60	3.40	4.78	1500		
7IK750W-S3F-A1 7IK750W-S3F-GU		750	3PH380 (三相)	50	2.20	5.50	1300	Continue 連續	
				60	1.96	4.78	1500		

► TORQUE 轉矩

- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

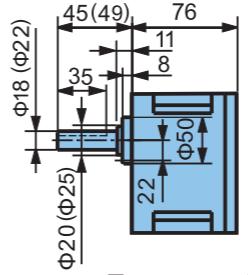
Ratio 減速比	Two-staged 二級傳動															Three-staged 三級傳動									
	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75							
Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20							
Allowable torque 容許轉矩 N.m	9.34	11.2	15.5	18.6	23.3	28.0	31.1	38.9	46.6	56.0	62.2	77.8	93.3	112	124	130	130	130							
Max torque 最大轉矩 N.m	9.80	11.7	16.3	19.5	24.5	29.4	32.6	40.8	48.9	58.8	65.3	81.6	98.0	117	130	130	130	130							
Allowable torque 容許轉矩 N.m	12.7	15.2	21.2	25.4	31.8	38.1	42.4	53.0	63.6	76.3	84.8	106	127	/	/	/	/	/							
Max torque 最大轉矩 N.m	13.3	15.9	22.2	26.6	33.3	40.0	44.5	55.6	66.7	80.0	89.0	111	130	/	/	/	/	/							

轉速是以電機的同步轉速為基準除以減速比的數值

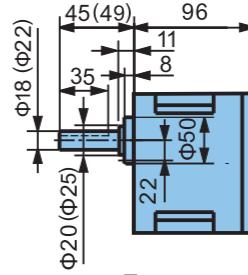
The speed is calculated by dividing the motor's synchronous speed by the gear ratio.

► OVERALL DIMENSIONS 外形尺寸

Reducer  
齒輪箱

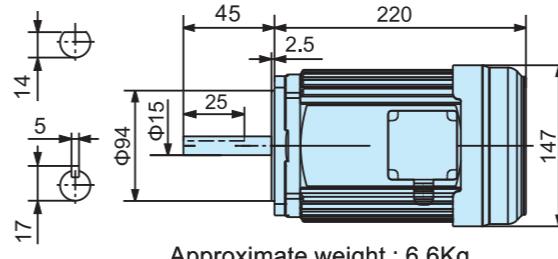


Two-staged  
二級傳動



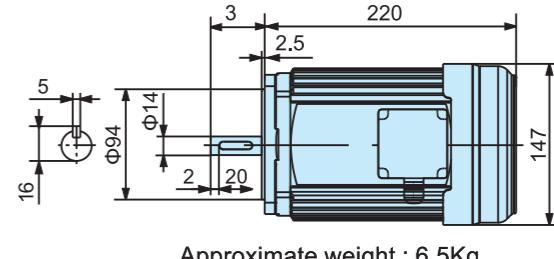
Four-staged  
四級傳動

Round shaft  
光軸電機



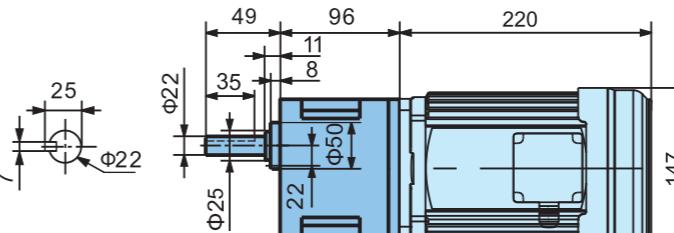
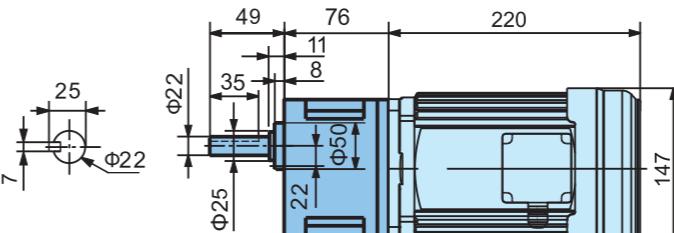
Approximate weight : 6.6Kg

For RV motor  
RV 電機尺寸



Approximate weight : 6.5Kg

Induction motor  
感應電機

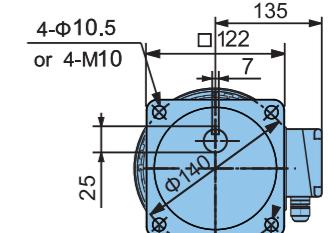
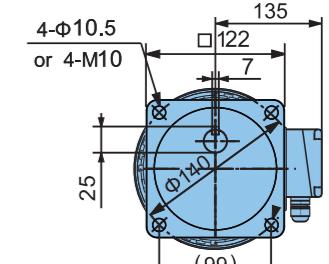


Approximate weight : 10.2Kg

Structure 結構:

Induction 感應電機: motor+reducer

Brake motor 剎車電機: motor+reducer+brake



As technical data for these machines may be advantaged 因技術改進，實際值可能與上述參數有差異，恕不另行通知。

Small gear reduction motor  
微小型減速電機  
150/250W

Special reduction motor for oil press  
擠壓機專用減速電機



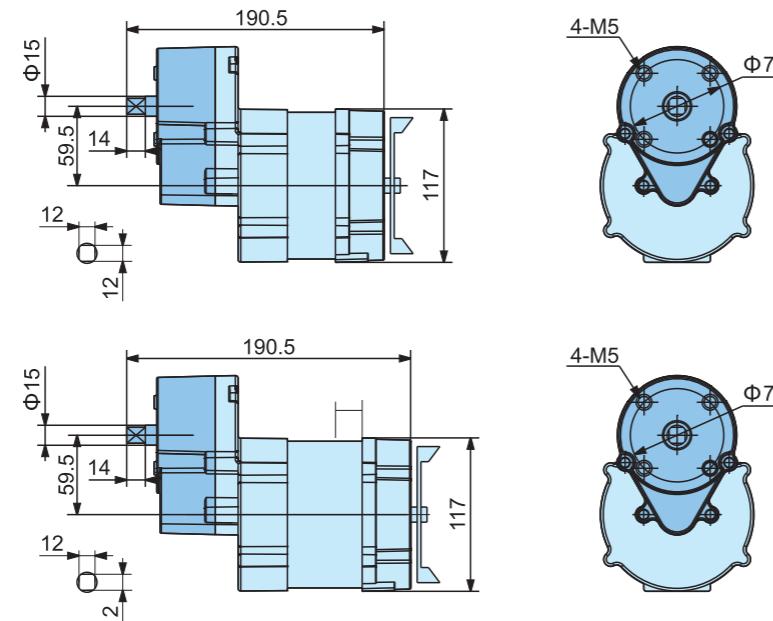
► TECHNICAL PARAMETERS 技術參數

Specs 規格	Rated power 功率 W	Rated voltage 電壓 V	Frequency 頻率 Hz	Rated current 電流 A	Starting torque 起動轉矩 N.m	Rated torque 額定轉矩 N.m	Rated speed 額定轉速 r/min	Time 時間定額 min	Capacitor 電容 μF/VAC
Induction motor 感應電機	150	1PH220 (單相)	50	2.47	2.05	2.94	1300	Continue 連續	15/450
			60	2.27	1.78	2.54	1500		
Induction motor 感應電機	250	1PH220 (單相)	50	1.63	1.21	1.81	1300	Continue 連續	12/450
			60	1.47	1.01	1.51	1500		

► OVERALL DIMENSIONS 外形尺寸

150W

Ratio: 22.5  
減速比：22.5



250W

Small gear reduction motor  
微小型減速電機  
150/250W

6W~200W

5GU120K-E15+5TK40W-C2F-GU



5GH300K-E15+5TK60W-C2F-GU



► TECHNICAL PARAMETERS 技術參數

Model 電機型號		Rating at locked rotation 工作制式 (堵轉)	Voltage 電壓 V	Frequency 頻率 Hz	Starting torque 啓動轉矩 mN.m	Max output power 輸出功率 W	Speed at Max out power 輸出功率時轉速 rpm	Torque at Max out power 輸出功率時扭矩 mN.m	Capacitor 電容 μF/V
3TK6W□-A0	3TK6W□-GN	5min Cont 連續	110 60	50	135 68	6.0 2.5	750	76 32	8.0/250
		5min Cont 連續	110 60	60	135 68	6.8 2.8	900	72 30	7.0/250
		5min Cont 連續	220 120	50	140 70	6.0 2.5	750	76 32	2.0/450
		5min Cont 連續	220 120	60	140 70	6.8 2.8	900	72 30	1.5/450
		5min Cont 連續	110 60	50	235 75	10 3	750	127 40	10/250
		5min Cont 連續	110 60	60	225 70	10 3	900	106 35	8.0/250
		5min Cont 連續	220 120	50	265 95	10 3	750	127 40	2.5/450
		5min Cont 連續	220 120	60	225 90	10 3	900	106 35	2.0/450
		5min Cont 連續	110 60	50	350 120	20 6	750	254 80	15/250
		5min Cont 連續	110 60	60	300 100	24 6	900	254 80	12/250
4TK10W□-A0	4TK10W□-GN	5min Cont 連續	220 120	50	380 150	20 6	750	254 80	3.5/450
		5min Cont 連續	220 120	60	350 120	24 6	900	254 80	3.0/450
		5min Cont 連續	110 60	50	605 209	40 12	750	510 153	30/250
		5min Cont 連續	110 60	60	550 190	40 12	900	424 127	25/250
		5min Cont 連續	220 120	50	680 220	40 12	750	510 153	7.0/450
		5min Cont 連續	220 120	60	620 200	40 12	900	424 127	6.0/450
		5min Cont 連續	110 60	50	750 400	60 20	750	722 305	40/250
		5min Cont 連續	110 60	60	1090 470	80 26	900	850 229	30/250
		5min Cont 連續	220 120	50	1300 530	80 26	750	1020 275	8.0/450
		5min Cont 連續	220 120	60	1100 480	80 26	900	850 229	7.0/450
5TK40W□-A0	5TK40W□-GU	5min Cont 連續	110 60	50	1200 520	80 26	750	1020 275	70/250
		5min Cont 連續	110 60	60	1090 470	80 26	900	850 229	65/250
		5min Cont 連續	220 120	50	1300 530	80 26	750	1020 275	12/450
		5min Cont 連續	220 120	60	1100 480	80 26	900	850 229	10/450
		5min Cont 連續	110 60	50	1200 520	80 26	750	1020 275	70/250
		5min Cont 連續	110 60	60	1090 470	80 26	900	850 229	65/250
		5min Cont 連續	220 120	50	1300 530	80 26	750	1020 275	14/450
		5min Cont 連續	220 120	60	1100 480	80 26	900	850 229	12/450
		5min Cont 連續	110 60	50	1200 520	80 26	750	1360 740	16/450
		5min Cont 連續	110 60	60	1200 520	80 26	900	1060 570	16/450
6TK80W□-A0	6TK80W□-GU	5min Cont 連續	220 120	50	1300 530	80 26	750	1020 275	65/250
		5min Cont 連續	220 120	60	1100 480	80 26	900	850 229	12/450
		5min Cont 連續	220 120	50	1300 530	80 26	750	1020 275	10/450
		5min Cont 連續	220 120	60	1100 480	80 26	900	850 229	70/250
		5min Cont 連續	220 120	50	1300 530	80 26	750	1020 275	65/250
		5min Cont 連續	220 120	60	1100 480	80 26	900	850 229	14/450
		5min Cont 連續	220 120	50	1300 530	80 26	750	1020 275	12/450
		5min Cont 連續	220 120	60	1100 480	80 26	900	850 229	10/450
		5min Cont 連續	220 120	50	1300 530	80 26	750	1020 275	70/250
		5min Cont 連續	220 120	60	1100 480	80 26	900	850 229	65/250
6TK100W□-A0	6TK100W□-GU	5min Cont 連續	220 120	50	1300 530	80 26	750	1020 275	14/450
		5min Cont 連續	220 120	60	1100 480	80 26	900	850 229	12/450
		5min Cont 連續	220 120	50	1300 530	80 26	750	1020 275	10/450
		5min Cont 連續	220 120	60	1100 480	80 26	900	850 229	70/250
		5min Cont 連續	220 120	50	1300 530	80 26	750	1020 275	65/250
		5min Cont 連續	220 120	60	1100 480	80 26	900	850 229	14/450
		5min Cont 連續	220 120	50	1300 530	80 26	750	1020 275	12/450
		5min Cont 連續	220 120	60	1100 480	80 26</			

TORQUE SPEED CONTROLLER 力矩式調速器

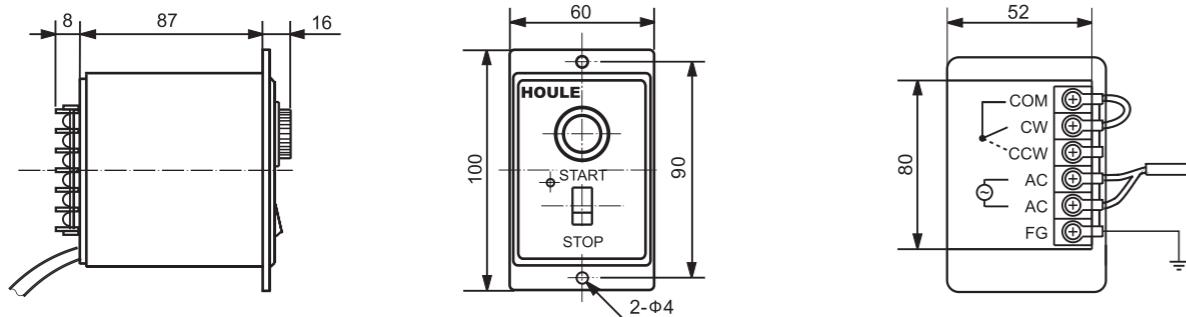


TORQUE SPEED CONTROLLER  
力矩式調速器



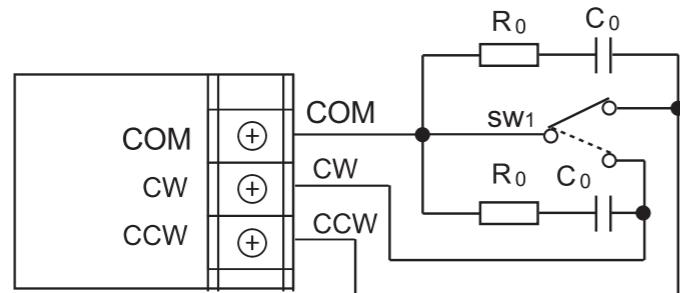
3PH TORQUE SPEED CONTROLLER  
三相力矩式調速器

► OVERALL DIMENSIONS 外形尺寸



► CONNECTION DIAGRAMS 連接圖

Reversing operation  
正反轉操作時



- The direction of motor rotation is viewed from the shaft end of motor  
運轉方向是指從電動機軸看來的方向。
- CW represents the clockwise direction, while CCW represent the counterclockwise direction.  
CW表示順時針方向，CCW表示逆時針方向。
- Change the direction of single-phase motor rotation only after bring the motor to a stop.  
單相電動機運轉方向的轉換應在電動機停止後進行。
- If an attempt is made to change the direction of rotation while the motor is rotating, motor may ignore reversing command or change its direction of rotation after some delay.  
若在電動機運轉時轉換運轉方向，可能發生無法轉換方向或須費時較久的情況。

High temperature resistant motor



► DESCRIPTION OF MODEL 型號說明

SL	5IK	-	90	W	-	S3	F	-	12	A1	-	160	-	T	-	2	(G)
1	2	3	4	5	6	7	8	9	10	11	12						

1	Motor code 電機代號	SL: High temperature resistant motor 不銹鋼長軸高溫電機
2	Motor series 電機系列	5IK 6IK Y2 KX
3	Rated power 額定功率	60: 60W 90: 90W 120: 120W 750: 750W x: xW
4	Variable code 調速電機代號	R: Variable speed motor 調速電機 W: No variable speed motor 非調速電機
5	Rated voltage 額定電壓	C1: 1-Phase 單相110V C2: 1-Phase 單相220V S2: 3-Phase 三相220V S3: 3-Phase 三相380V S4: 3-Phase 三相440V S2/3: 3-Phase 三相220V/380V
6	Code of fan 風扇代號	F: Common 普通風扇 S: Forced 強制風扇 ※ No mark means motor without fan 無風扇不標
7	Output shaft DIA 輸出軸直徑	12: Φ12mm 16: Φ16mm 19: Φ19mm x: Φx mm
8	Output shaft form 輸出軸形式	A0: Roundshaft 圓軸 A1: Keyway 鍵槽型 A2: Flat shaft 扁軸型 RV: For RV RV專用
9	Shaft extension 輸出軸軸伸	120: 120 160: 160 180: 180 x: x
10	Accessories 輔件	T: Terminal type 接線盒型 M: Electromagnetic brake 電磁剎車 P: Thermally 温控開關
11	Motor pole 電機極數	2: 2 pole 4: 4 pole 6: 6 pole ※ 4-pole motor isn't marked. 4極電機不標
12	Color 顏色	G: Golden grey 金灰色 B: Blue 藍色 D: Dark blue 黑藍色 O: Oyster white 乳白色

Stainless steel thermostability long shaft motor is mainly used in various industries of precision baking, tempering, preheating of the hot air cycle.

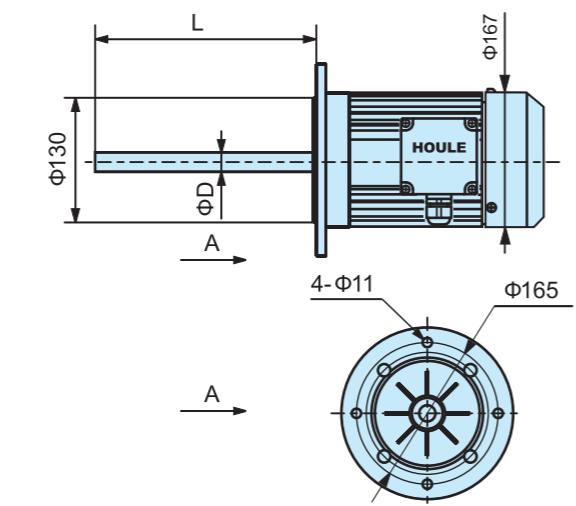
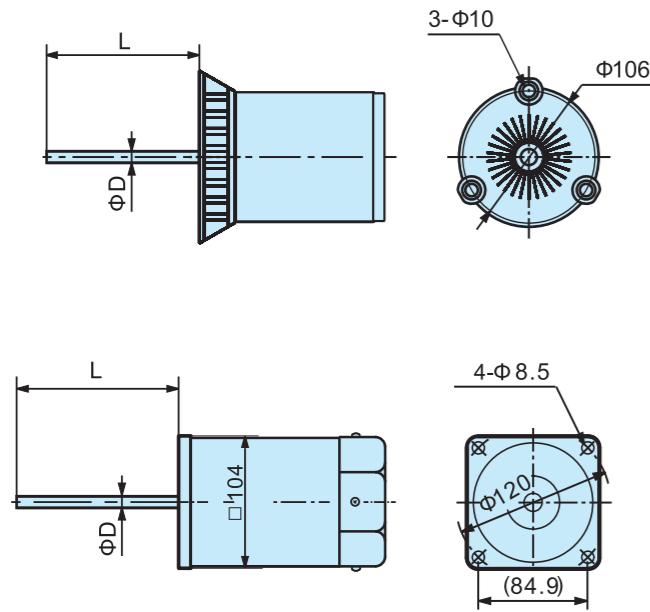
不銹鋼耐高溫長軸電機主要用于各行業的精密烘烤、回火、預熱的熱風循環。

As technical data for these machines may be advantaged, please contact us or visit the company website. Not allow for publish without formal approved 因技術改進，實際值可能與上述參數有差異，恕不另行通知，若需具體參數，敬請諮詢本公司或瀏覽網站。

High temperature resistant motor  
不銹鋼長軸高溫電機  
40W~750W

High temperature resistant motor

► OVERALL DIMENSIONS 外形尺寸



Motor series	Output shaft D	Shaft extension L
KX	10~12	50~180
5IK	10~12	50~180
6IK	10~15	50~180
Y2	10~17	50~180

► TECHNICAL PARAMETERS 技術參數

Model 電機型號		Rated power 功率 W	Rated voltage 電壓 V	Frequency 頻率 Hz	Rated current 電流 A	Rated torque 額定轉矩 mN.m	Rated speed 額定轉速 r/min	Time 時間定額 min	Capacitor 電容 μF/VAC
	Keyway 鍵槽型		Flat shaft 扁軸型						
感應電機	SLKX-90WC1-A1	SLKX-90WC1-A2	90	1PH220 (單相)	50 0.61	0.66	1300 Continue	5.0/450	
					60 0.56	0.55	1500 連續		
感應電機	SLKX-90WS2-A1	SLKX-90WS2-A2	90	3PH220 (三相)	50 0.55	0.66	1300 Continue		
					60 0.52	0.55	1500 連續		
感應電機	SLKX-90WS3-A1	SLKX-90WS3-A2	90	3PH380 (三相)	50 0.32	0.66	1300 Continue		
					60 0.29	0.55	1500 連續		
感應電機	SL5IK-120WC1-A1	SL5IK-120WC1-A2	120	1PH220 (單相)	50 0.80	0.89	1300 Continue	6.0/450	
					60 0.72	0.75	1500 連續		
感應電機	SL5IK-120WS2-A1	SL5IK-120WS2-A2	120	3PH220 (三相)	50 0.59	0.89	1300 Continue		
					60 0.53	0.75	1500 連續		
感應電機	SL5IK-120WS3-A1	SL5IK-120WS3-A2	120	3PH380 (三相)	50 0.35	0.89	1300 Continue		
					60 0.32	0.75	1500 連續		
感應電機	SL6IK-200WC1-A1	SL6IK-200WC1-A2	200	1PH220 (單相)	50 1.56	1.42	1300 Continue	10/450	
					60 1.40	1.18	1500 連續		
感應電機	SL6IK-200WS2-A1	SL6IK-200WS2-A2	200	3PH220 (三相)	50 1.21	1.42	1300 Continue		
					60 1.09	1.18	1500 連續		
感應電機	SL6IK-200WS3-A1	SL6IK-200WS3-A2	200	3PH380 (三相)	50 0.71	1.42	1300 Continue		
					60 0.63	1.18	1500 連續		
感應電機	SLY2-400WC1-A1	SLY2-400WC1-A2	400	1PH220 (單相)	50 3.40	2.84	1300 Continue	15/450	
					60 2.75	2.36	1500 連續		
感應電機	SLY2-400WS2-A1	SLY2-400WS2-A2	400	3PH220 (三相)	50 2.20	2.84	1300 Continue		
					60 1.91	2.36	1500 連續		
感應電機	SLY2-400WS3-A1	SLY2-400WS3-A2	400	3PH380 (三相)	50 1.25	2.84	1300 Continue		
					60 1.12	2.36	1500 連續		
感應電機	SLY2-750WC1-A1	SLY2-750WC1-A2	750	1PH220 (單相)	50 5.90	5.32	1300 Continue	20/450	
					60 4.86	4.42	1500 連續		
感應電機	SLY2-750WS2-A1	SLY2-750WS2-A2	750	3PH220 (三相)	50 3.51	5.32	1300 Continue		
					60 3.41	4.42	1500 連續		
感應電機	SLY2-750WS3-A1	SLY2-750WS3-A2	750	3PH380 (三相)	50 2.21	5.32	1300 Continue		
					60 1.98	4.42	1500 連續		

F0 type reducer(rectangle eccentric flange)  
F0系列減速器(長方偏心法蘭型)  
25W~180W

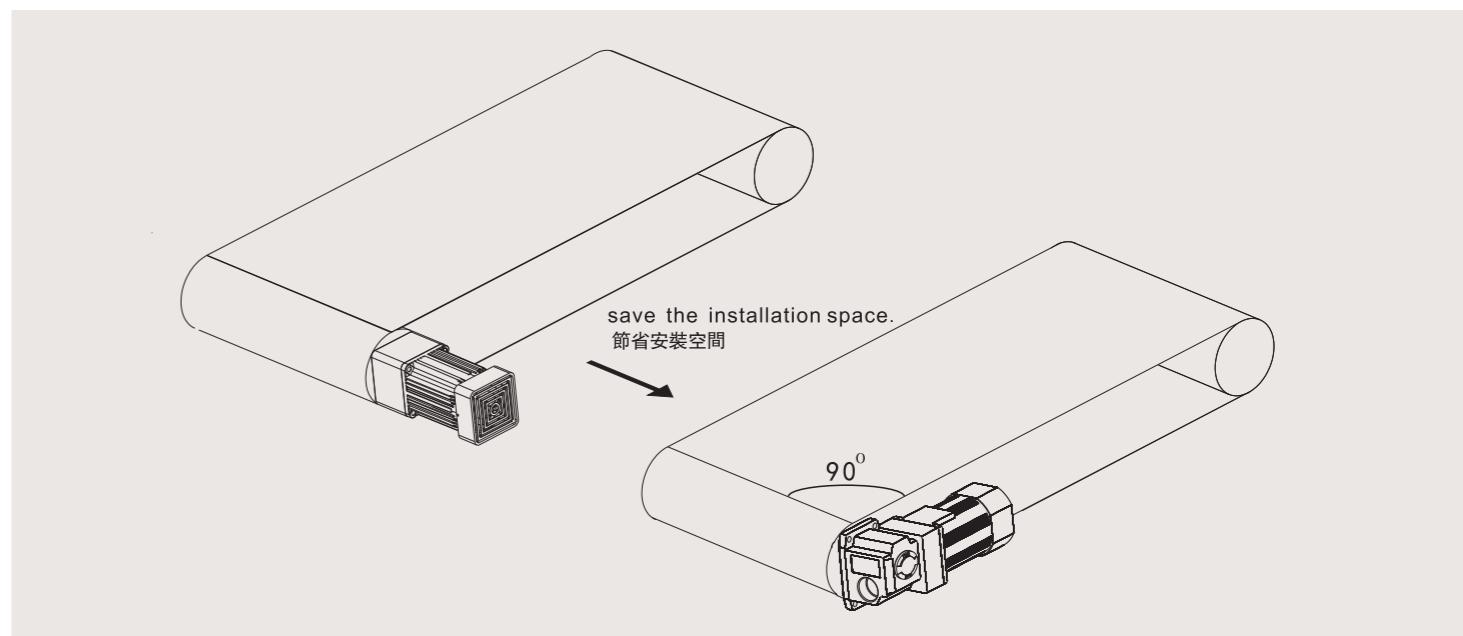


► DESCRIPTION OF MODEL 型號說明

5 1    F0 2 - F 3    15 4    R 5 - 50 6    K 7 - GU 8

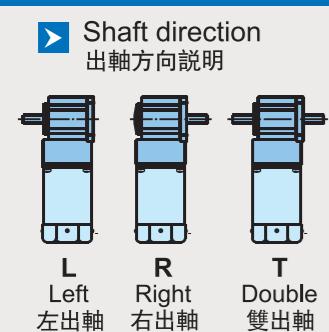
1	Frame size 外形尺寸	4: 80mm 5: 90mm
2	Type code 型號系列代號	F0: F0 type rectangle eccentric flange reducer F0系列長方偏心法蘭減速器
3	Output shaft type 出軸類型	F: Solid output shaft 實心軸 S: Hollow output shaft 空心軸
4	Shaft DIM 輸出軸(孔)直徑	12: 12mm 15: 15mm 17: 17mm x: x mm
5	Shaft direction 出軸方向	R: Right shaft 右出軸 L: Left shaft 左出軸 T: Double shaft 雙出軸 N: Hollow 空心軸
6	Gear ratio 減速比	3: 1:3 15: 1:15 20: 1:20 30: 1:30 50: 1:50 x: 1:x
7	Bearing type 軸承類型	K: Ball bearing 滾珠軸承
8	Gear shaft 所配齒軸類型	GN: General 普通型 GU: Reinforced 加強型

► APPLICATION 安裝示例



shown below, the output shaft of the reducer and motor is output shaft are at right angles, so the rectangular hanging load can save the installation space.  
如圖所示,減速器的出力軸和電機的輸出軸成直角,故可以直角挂負載節省安裝空間。

F0 type reducer(rectangle eccentric flange)  
F0系列減速器(長方偏心法蘭型)  
**4F0**



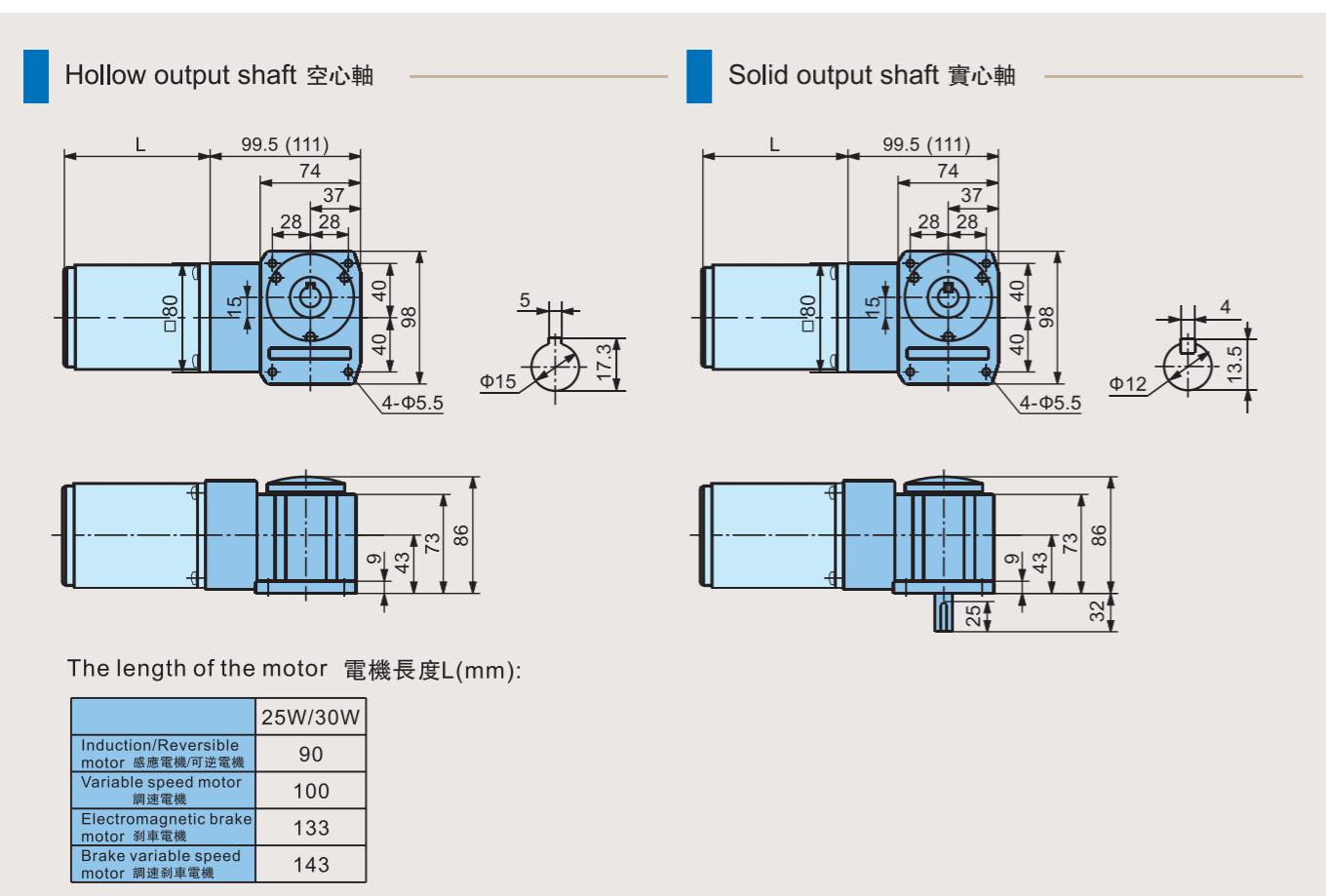
**4F0-S15N-30K-GN  
+4IK25W-C2-GN**



**4F0-F12R-30K-GN  
+4IK25W-C2-GN**



► OVERALL DIMENSIONS 外形尺寸



► MAX ALLOWABLE TORQUE OF 25W MOTOR

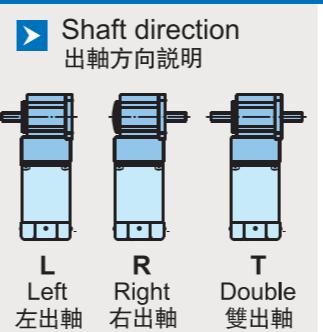
25W電機時最大容許轉矩

- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

		Three-staged 三級傳動												Four-staged 四級傳動					Five-staged 五級傳動													
Ratio 減速比		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	250	300	450	600	750	900		
50 Hz	Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	6	5	3.3	2.5	2	1.6		
	Torque 轉矩 N.m	0.50	0.60	0.83	1.00	1.20	1.37	1.67	2.10	2.50	3.00	3.33	3.70	4.50	5.40	5.91	6.80	7.95	9.94	11.9	13.2	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0			
60 Hz	Speed 轉速 r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	7.2	6	4	3	2.4	2		
	Torque 轉矩 N.m	0.41	0.50	0.69	0.83	1.00	1.12	1.33	1.70	2.10	2.52	2.8	3.10	3.70	4.50	4.92	5.60	6.71	8.38	10.0	11.1	13.4	15.0	15.0	15.0	15.0	15.0	15.0	15.0			

The speed is calculated by dividing the motor's synchronous speed by the gear ratio.  
轉速是以電機的同步轉速為基準除以減速比的數值

F0 type reducer(rectangle eccentric flange)  
F0系列減速器(長方偏心法蘭型)  
**5F0**



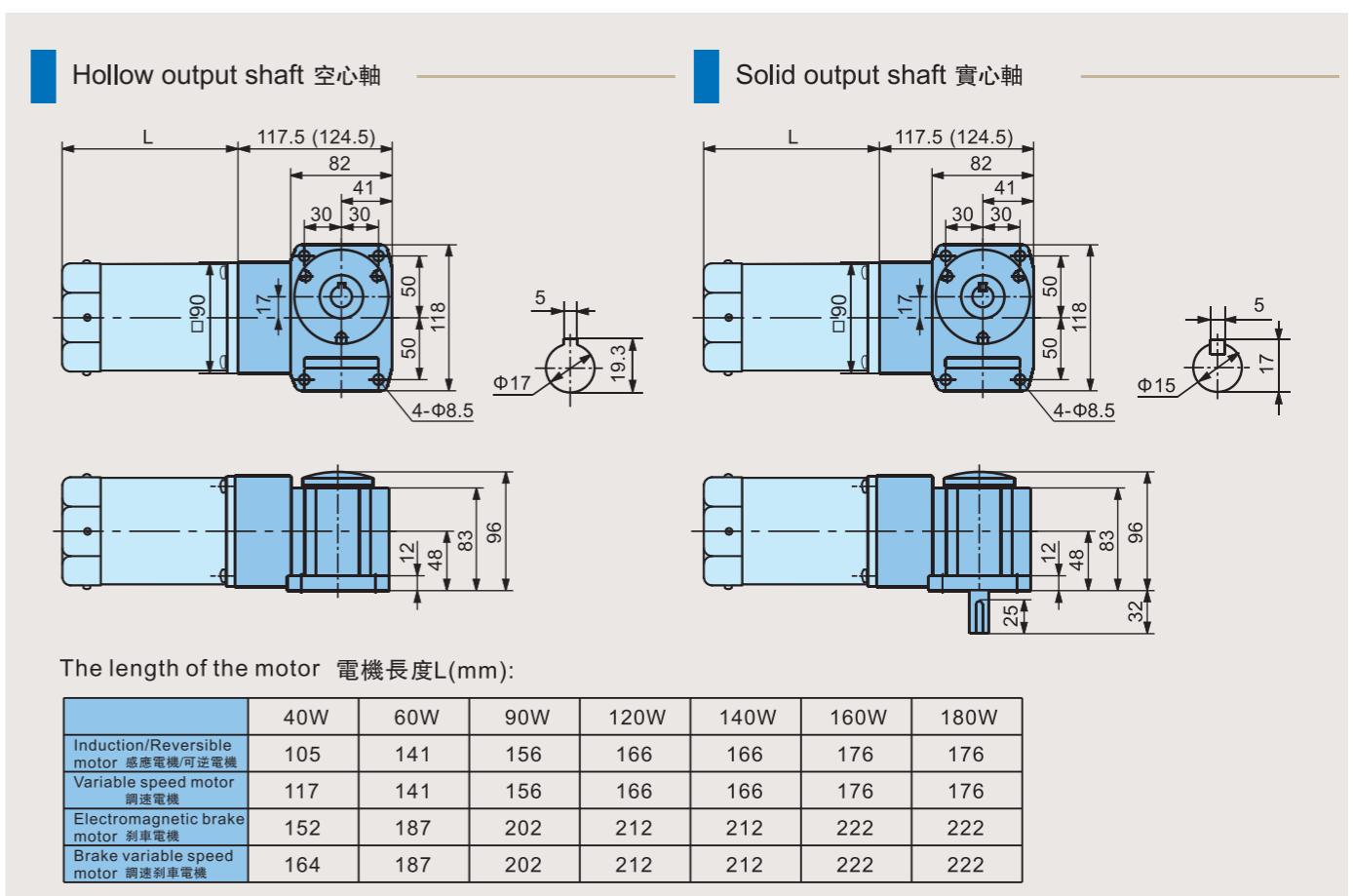
**5F0-S17N-50K-GU  
+5IK90W-C2F-GU**



**5F0-F15R-50K-GU  
+5IK90W-C2F-GU**



► OVERALL DIMENSIONS 外形尺寸



► MAX ALLOWABLE TORQUE OF 120W MOTOR

120W電機時最大容許轉矩

- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

		Three-staged 三級傳動												Four-staged 四級傳動					Five-staged 五級傳動											
Ratio 減速比		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	250	300	450	600		
50 Hz	Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	6	5	3.3	2.5		
	Torque 轉矩 N.m	2.00	2.40	3.33	4.00	5.00	6.00	6.66	8.33	10.0	12.0	13.3	16.6	20.3	24.4	27.1	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0		
60 Hz	Speed 轉速 r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	7.2	6	4	3		
	Torque 轉矩 N.m	1.66	2.00	2.77	3.32	4.15	4.98	5.53	6.91	8.33	10.0	11.1	13.8	16.6	20.0	22.2	27.7	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0		

The speed is calculated by dividing the motor's synchronous speed by the gear ratio.  
轉速是以電機的同步轉速為基準除以減速比的數值

F1 type reducer(concentric square flange)  
F1系列減速器(正方同心法蘭型)  
15W~2200W



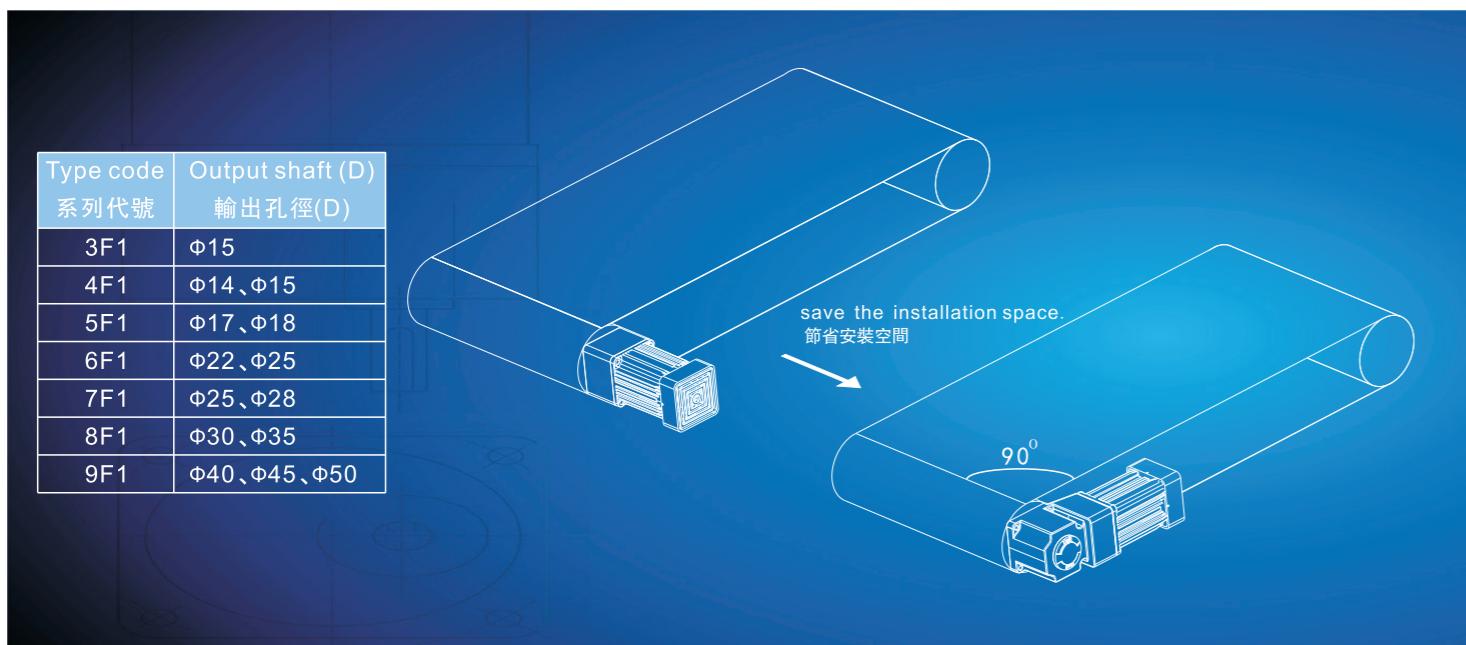
F1 type reducer

► DESCRIPTION OF MODEL 型號說明

5 1    F1 - 2    F 3    15 4    R 5 - 50 6    K 7 - GU 8

1	Frame size 外形尺寸	3: 70mm 4: 80mm 5: 90mm 6: 104mm 7: 122mm 8: 145mm
2	Type code 型號系列代號	F1: F1 type concentric square flange reducer F1系列正方同心法蘭減速器
3	Output shaft type 出軸類型	F: Solid output shaft 實心軸 S: Hollow output shaft 空心軸
4	Shaft DIM 輸出軸(孔)直徑	12: 12mm 15: 15mm 17: 17mm 22: 22mm 30: 30mm x: x mm
5	Shaft direction 出軸方向	R: Right shaft 右出軸 L: Left shaft 左出軸 T: Double shaft 雙出軸 N: Hollow 空心軸
6	Gear ratio 減速比	9: 1:9 15: 1:15 20: 1:20 30: 1:30 50: 1:50 x: 1:x
7	Bearing type 軸承類型	K: Ball bearing 滾珠軸承
8	Gear shaft 所配齒軸類型	GN: General 普通型 GU: Reinforced 加強型 GH: Heavy 重型

► APPLICATION 安裝示例



shown below, the output shaft of the reducer and motor is output shaft are at right angles, so the rectangular hanging load can save the installation space.

如圖所示,減速器的出力軸和電機的輸出軸成直角,故可以直角挂負載節省安裝空間。

F1 type reducer(concentric square flange)  
F1系列減速器(正方同心法蘭型)  
3F1

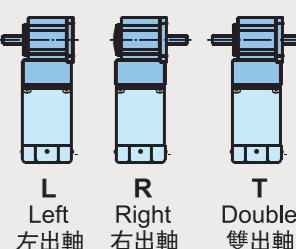
3F1-S15N-300K-GN  
+3IK15W-C2-GN



3F1-F12R-300K-GN  
+3IK15W-C2-GN

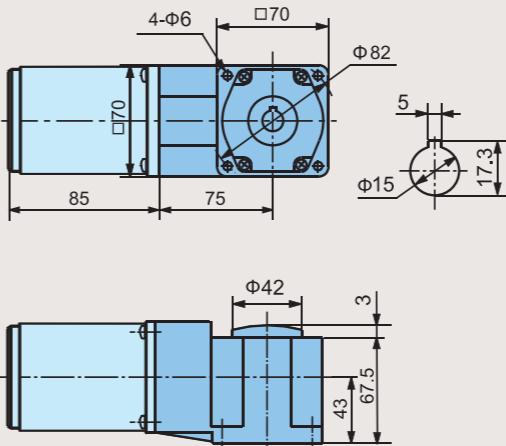


Shaft direction  
出軸方向說明

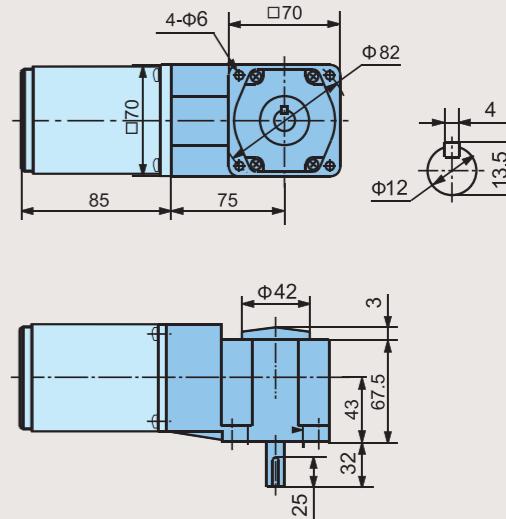


► OVERALL DIMENSIONS 外形尺寸

Hollow output shaft 空心軸



Solid output shaft 實心軸



The length of the motor 電機長度L(mm):

	15W/20W
Induction/Reversible motor 直流電機/可逆電機	85
Variable speed motor 調速電機	95
Electromagnetic brake motor 制動電機	128
Brake variable speed motor 調速制動電機	138

► MAX ALLOWABLE TORQUE OF 25W MOTOR

15W電機時最大容許轉矩

- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

Ratio 減速比	Three-staged 三級傳動												Four-staged 四級傳動								Five-staged 五級傳動									
	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	250	300	450	600	750	900	
50 Hz	Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	6	5	3.3	2.5	2	1.6
	Torque 轉矩 N.m	0.30	0.36	0.51	0.61	0.76	0.90	1.05	1.30	1.51	1.82	2.01	2.31	2.71	3.33	3.61	4.11	4.93	6.16	7.39	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
60 Hz	Speed 轉速 r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	7.2	6	4	3	2.4	2
	Torque 轉矩 N.m	0.26	0.31	0.43	0.51	0.64	0.77	0.90	1.00	1.31	1.56	1.73	1.90	2.30	2.81	3.10	3.51	4.20	5.25	6.30	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

The speed is calculated by dividing the motor's synchronous speed by the gear ratio.  
轉速是以電機的同步轉速為基準除以減速比的數值

F1 type reducer(concentric square flange)  
F1系列減速器(正方同心法蘭型)  
4F1

4F1-S15N-900K-GN  
+4IK25W-C2-GN



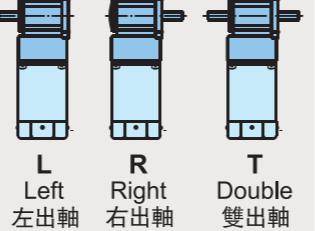
MANDREL L  
穿芯軸L

4F1-F12R-300K-GN  
+4IK25W-C2-GN



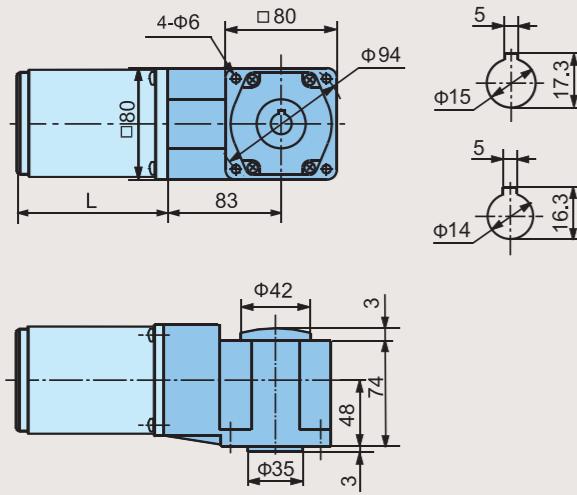
MANDREL T  
穿芯軸T

Shaft direction  
出軸方向說明

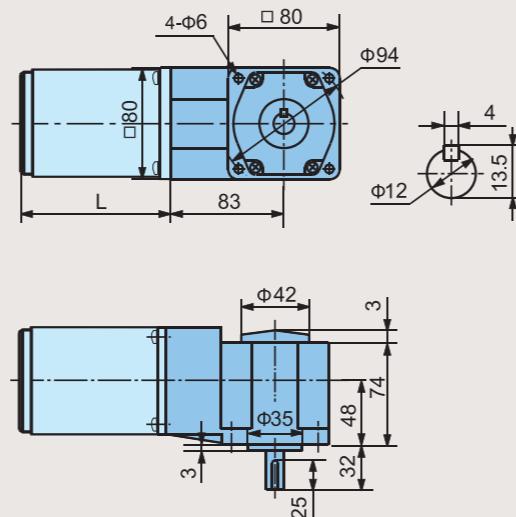


► OVERALL DIMENSIONS 外形尺寸

Hollow output shaft 空心軸



Solid output shaft 實心軸



The length of the motor 電機長度L(mm):

	25W/30W
Induction/Reversible motor 感應電機/可逆電機	90
Variable speed motor 調速電機	100
Electromagnetic brake motor 制動電機	133
Brake variable speed motor 調速制動電機	143

► MAX ALLOWABLE TORQUE OF 25W MOTOR

25W電機時最大容許轉矩

- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

Ratio 減速比	Three-staged 三級傳動															Four-staged 四級傳動					Five-staged 五級傳動									
	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	250	300	450	600	750	900	
50 Hz	Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	6	5	3.3	2.5	2	1.6
	Torque 轉矩 N.m	0.50	0.60	0.83	1.00	1.20	1.37	1.67	2.10	2.50	3.00	3.33	3.70	4.50	5.40	5.91	6.80	9.99	11.1	13.5	15.9	17.7	20	20	20	20	20	20	20	
60 Hz	Speed 轉速 r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	7.2	6	4	3	2.4	2
	Torque 轉矩 N.m	0.41	0.50	0.69	0.83	1.00	1.12	1.33	1.70	2.10	2.52	2.8	3.10	3.70	4.50	4.92	5.60	8.4	9.3	11.1	13.2	14.7	16.8	20	20	20	20	20	20	

The speed is calculated by dividing the motor's synchronous speed by the gear ratio.  
轉速是以電機的同步轉速為基準除以減速比的數值

F1 type reducer(concentric square flange)  
F1系列減速器(正方同心法蘭型)  
5F1

5F1-S17N-600K-GU  
+5IK90W-C2F-GU



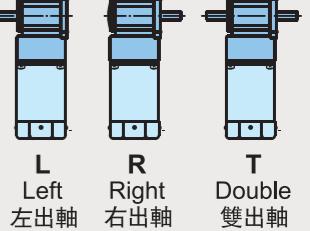
MANDREL L  
穿芯軸L

5F1-F15R-250K-GU  
+5IK120W-C2F-GU



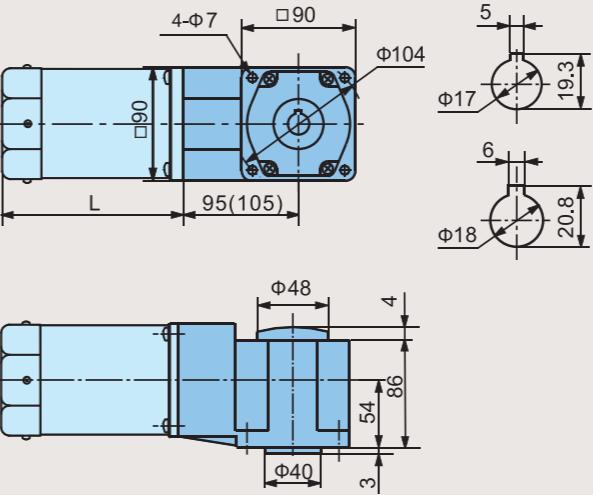
MANDREL T  
穿芯軸T

Shaft direction  
出軸方向說明

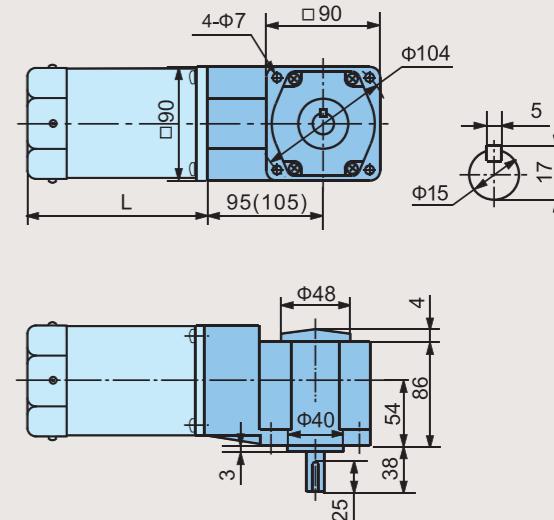


► OVERALL DIMENSIONS 外形尺寸

Hollow output shaft 空心軸



Solid output shaft 實心軸



The length of the motor 電機長度L(mm):

	40W	60W	90W	120W	140W	160W	180W
Induction/Reversible motor 感應電機/可逆電機	105	141	156	166	166	176	186
Variable speed motor 調速電機	117	141	156	166	166	176	186
Electromagnetic brake motor 制動電機	152	187	202	212	212	222	232
Brake variable speed motor 調速制動電機	164	187	202	212	212	222	232

► MAX ALLOWABLE TORQUE OF 120W MOTOR

120W電機時最大容許轉矩

- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

Ratio 減速比	Three-staged 三級傳動															Four-staged 四級傳動					Five-staged 五級傳動					Six-staged 六級傳動				
	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	250</						

F1 type reducer(concentric square flange)  
F1系列減速器(正方同心法蘭型)  
6F1

6F1-S22N-750K-GU  
+6IK250W-C2F-GU



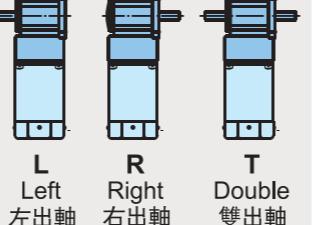
MANDREL L  
穿芯軸L

6F1-F20R-300K-GU  
+6IK300W-C2F-GU



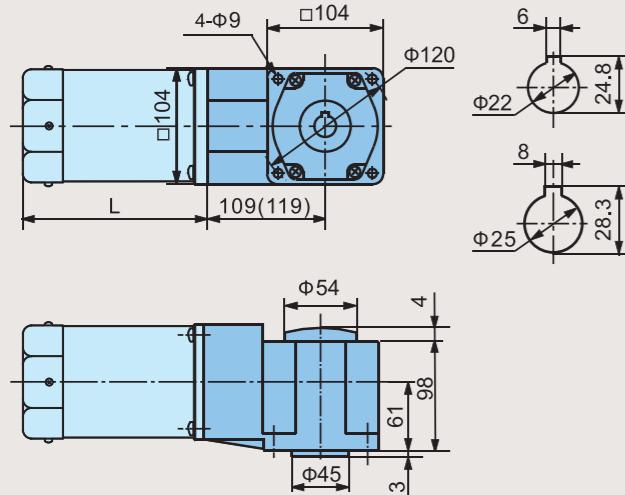
MANDREL T  
穿芯軸T

Shaft direction  
出軸方向說明

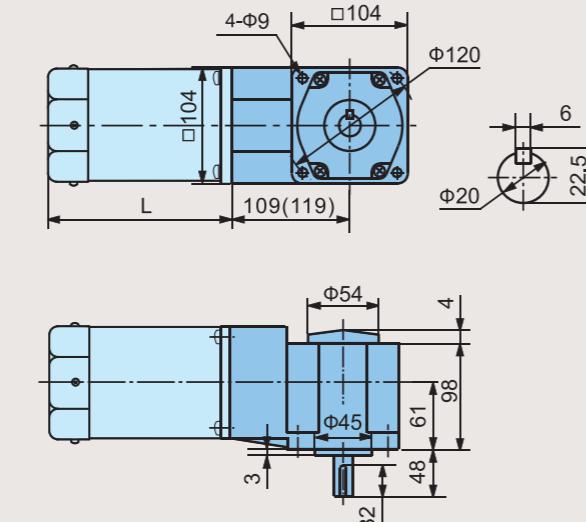


► OVERALL DIMENSIONS 外形尺寸

Hollow output shaft 空心軸



Solid output shaft 實心軸



The length of the motor 電機長度L(mm):

	120W	140W	160W	180W	200W	250W	300W	400W
Induction/Reversible motor 感應電機/可逆電機	171	171	171	171	171	187	187	202
Variable speed motor 調速電機	171	171	171	171	171	187	187	202
Electromagnetic brake motor 制動電機	216	216	216	216	216	233	233	248
Brake variable speed motor 調速制動電機	216	216	216	216	216	233	233	248

► MAX ALLOWABLE TORQUE OF 200W MOTOR

200W電機時最大容許轉矩

- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

		Three-staged 三級傳動												Four-staged 四級傳動					Five-staged 五級傳動											
Ratio 減速比		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	250	300	450	600	750	
50 Hz	Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	6	5	3.3	2.5	2	
	Torque 轉矩 N.m	3.45	3.80	5.70	6.52	8.52	10.0	13.0	14.5	18.0	20.5	24.0	28.1	33.9	40.7	45.2	56.6	67.9	84.8	101	113	120	120	120	120	120	120	120		
60 Hz	Speed 轉速 r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	90	20	18	15	12	10	7.2	6	4	3	2.4	
	Torque 轉矩 N.m	3.01	4.18	4.5	5.70	6.52	8.52	10.0	13.0	14.5	18.0	20.5	24.0	28.1	33.3	37.0	46.3	55.5	69.4	83.3	92.6	111	120	120	120	120	120	120		

The speed is calculated by dividing the motor's synchronous speed by the gear ratio.  
轉速是以電機的同步轉速為基準除以減速比的數值

F1 type reducer(concentric square flange)  
F1系列減速器(正方同心法蘭型)  
7F1

7F1-S25N-180K-GU  
+7IK400W-C2F-GU

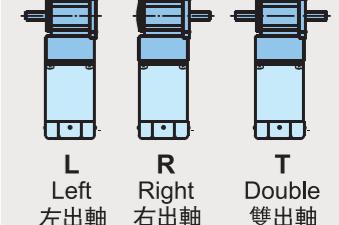


MANDREL L  
穿芯軸L

7F1-F22R-180K-GU  
+7IK400W-C2F-GU

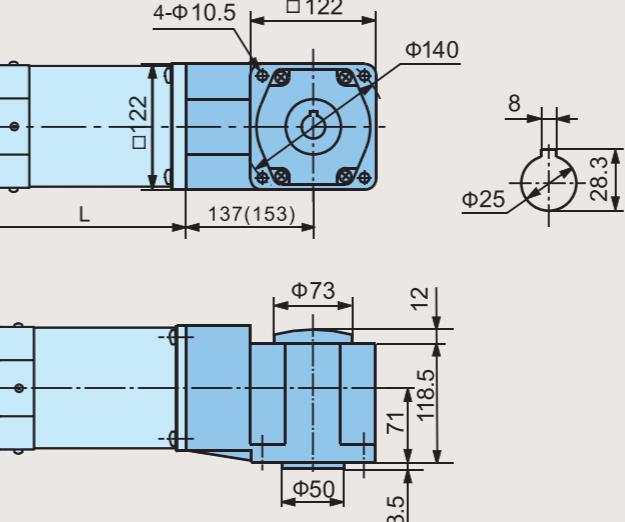


Shaft direction  
出軸方向說明

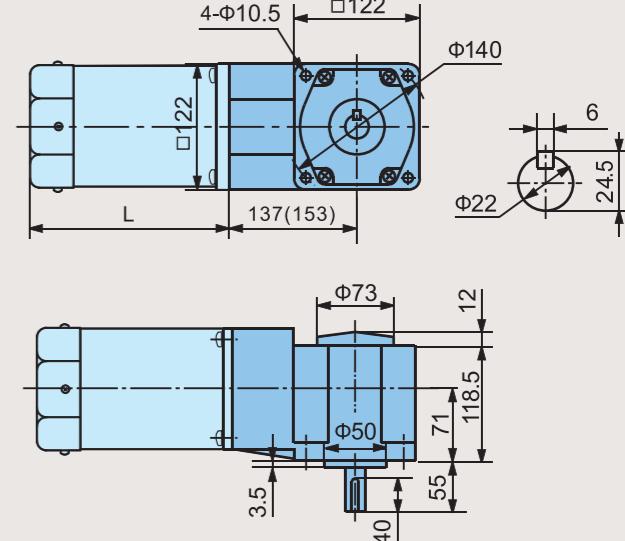


► OVERALL DIMENSIONS 外形尺寸

Hollow output shaft 空心軸



Solid output shaft 實心軸



The length of the motor 電機長度L(mm):

	300W	400W
Induction motor 感應電機	225	225
Variable speed motor 調速電機	225	225
Electromagnetic brake motor 制動電機	255	255
Brake variable speed motor 調速制動電機	255	255

► MAX ALLOWABLE TORQUE OF 400W MOTOR

400W電機時最大容許轉矩

- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

		Three-staged 三級傳動												Four-staged 四級傳動					Five-staged 五級傳動											
Ratio 減速比		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	250	300	450	600	750	900
50 Hz	Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	6	5	3.3	2.5	2	1.6
	Torque 轉矩 N.m	6.96	8.35	11.6	13.9	17.4	20.8	23.2	29.0	34.8	41.7	46.4	50.7	69.6	85	92	108	139	152	182	190	200	200	200	200	200	200	200	200	
60 Hz	Speed 轉速 r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	7.2	6	4	3	2.4	2
	Torque 轉矩 N.m	6.00	7.20	10.0	12.0	15.0	18.0	20.0	25.0	30.0	36.0	40.0	43.7	60	73	80	98	120	131	157	165	195	200	200	200	200	200	200	200	

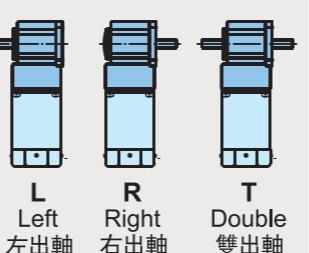
The speed is calculated by dividing the motor's synchronous speed by the gear ratio.  
轉速是以電機的同步轉速為基準除以減速比的數值

F1 type reducer(concentric square flange)  
7F1 F1系列減速器(正方同心法蘭型)

7F1-S28N-180K-GU  
+7IK750W-S3F-GU

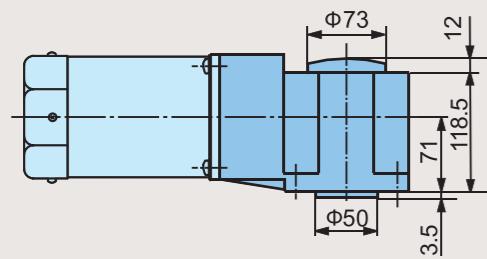
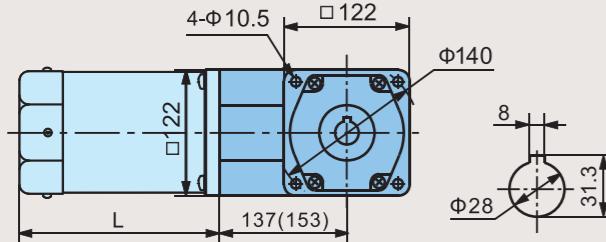


Shaft direction  
出軸方向說明



► OVERALL DIMENSIONS 外形尺寸

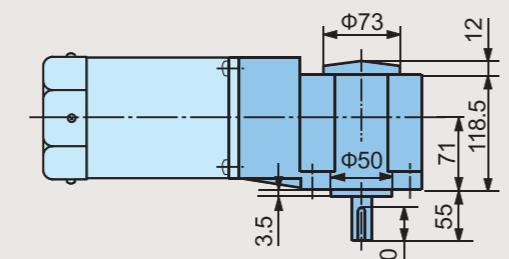
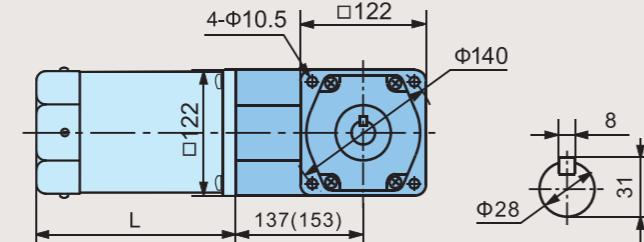
Hollow output shaft 空心軸



The length of the motor 電機長度L(mm):

	750W
Standard motor 標準電機	230
Electromagnetic brake motor 剎車電機	250

Solid output shaft 實心軸



► MAX ALLOWABLE TORQUE OF 400W MOTOR

750W電機時最大容許轉矩

- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

		Three-staged 三級傳動															Four-staged 四級傳動								Five-staged 五級傳動						
Ratio 減速比		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	250	300	450	600	750	900	
50 Hz	Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	6	5	3.3	2.5	2	1.6	
	Torque 轉矩 N.m	11.5	13.7	19.1	22.9	28.6	34.3	38.2	47.7	57.3	68.7	76.4	95.5	114	137	153	191	200	200	200	200	200	200	200	200	200	200	200	200	200	200
60 Hz	Speed 轉速 r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	7.2	6	4	3	2.4	2	
	Torque 轉矩 N.m	9.55	11.5	15.9	19.1	23.8	28.6	31.8	39.8	47.7	57.3	63.6	79.5	95.5	114	127	159	190	200	200	200	200	200	200	200	200	200	200	200	200	200

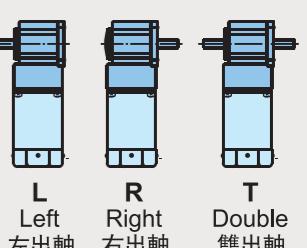
The speed is calculated by dividing the motor's synchronous speed by the gear ratio.  
轉速是以電機的同步轉速為基準除以減速比的數值

F1 type reducer(concentric square flange)  
8F1 F1系列減速器(正方同心法蘭型)

8F1-S30N-100K-GU  
+8IK750W-S3F-GU

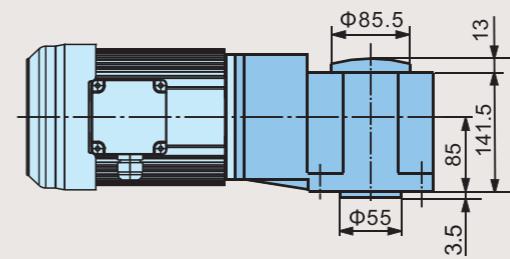
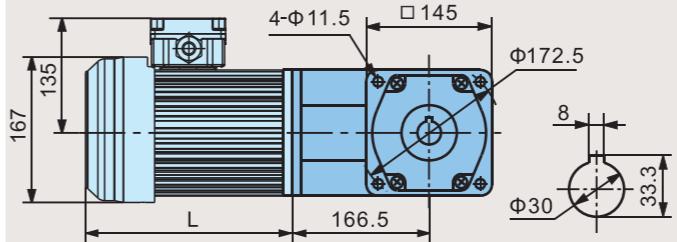


Shaft direction  
出軸方向說明



► OVERALL DIMENSIONS 外形尺寸

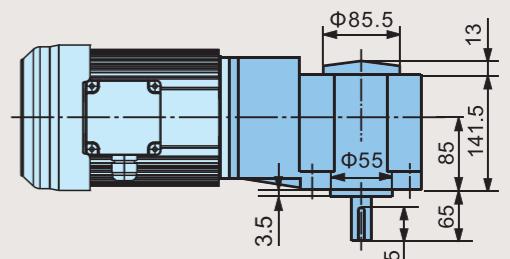
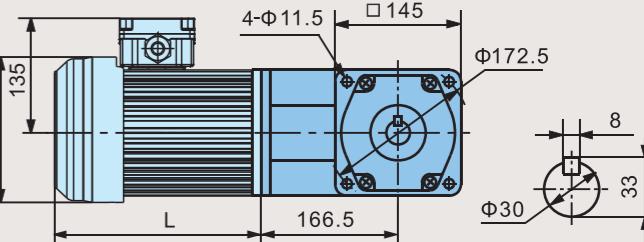
Hollow output shaft 空心軸



The length of the motor 電機長度L(mm):

	750W
Standard motor 標準電機	230
Electromagnetic brake motor 刹車電機	250

Solid output shaft 實心軸



The length of the motor 電機長度L(mm):

	750W
Standard motor 標準電機	230
Electromagnetic brake motor 刹車電機	250

► MAX ALLOWABLE TORQUE OF 400W MOTOR

750W電機時最大容許轉矩

- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

		Three-staged 三級傳動															Four-staged 四級傳動														
Ratio 減速比		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	250	300					
50 Hz	Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	6	5	3.3	2.5	2	1.6	
	Torque 轉矩 N.m	11.5	13.7	19.1	22.9	28.6	34.3	38.2	47.7	57.3	68.7	76.4	95.5	114	137	153	191	200	200	200	200	200	200	200	200	200	200	200	200	200	
60 Hz	Speed 轉速 r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	7.2	6	4	3	2.4	2	
	Torque 轉矩 N.m	9.55	11.5	15.9	19.1	23.8	28.6	31.8	39.8	47.7	57.3	63.6	79.5	95.5	114	127	159	190	200	200	200	200	200	200	200	200	200	200	200	200	

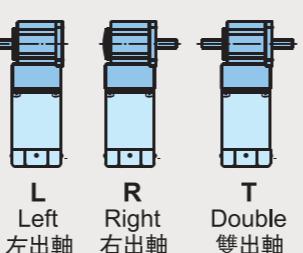
The speed is calculated by dividing the motor's synchronous speed by the gear ratio.  
轉速是以電機的同步轉速為基準除以減速比的數值

F1 type reducer(concentric square flange)  
F1系列減速器(正方同心法蘭型)  
**8F1**

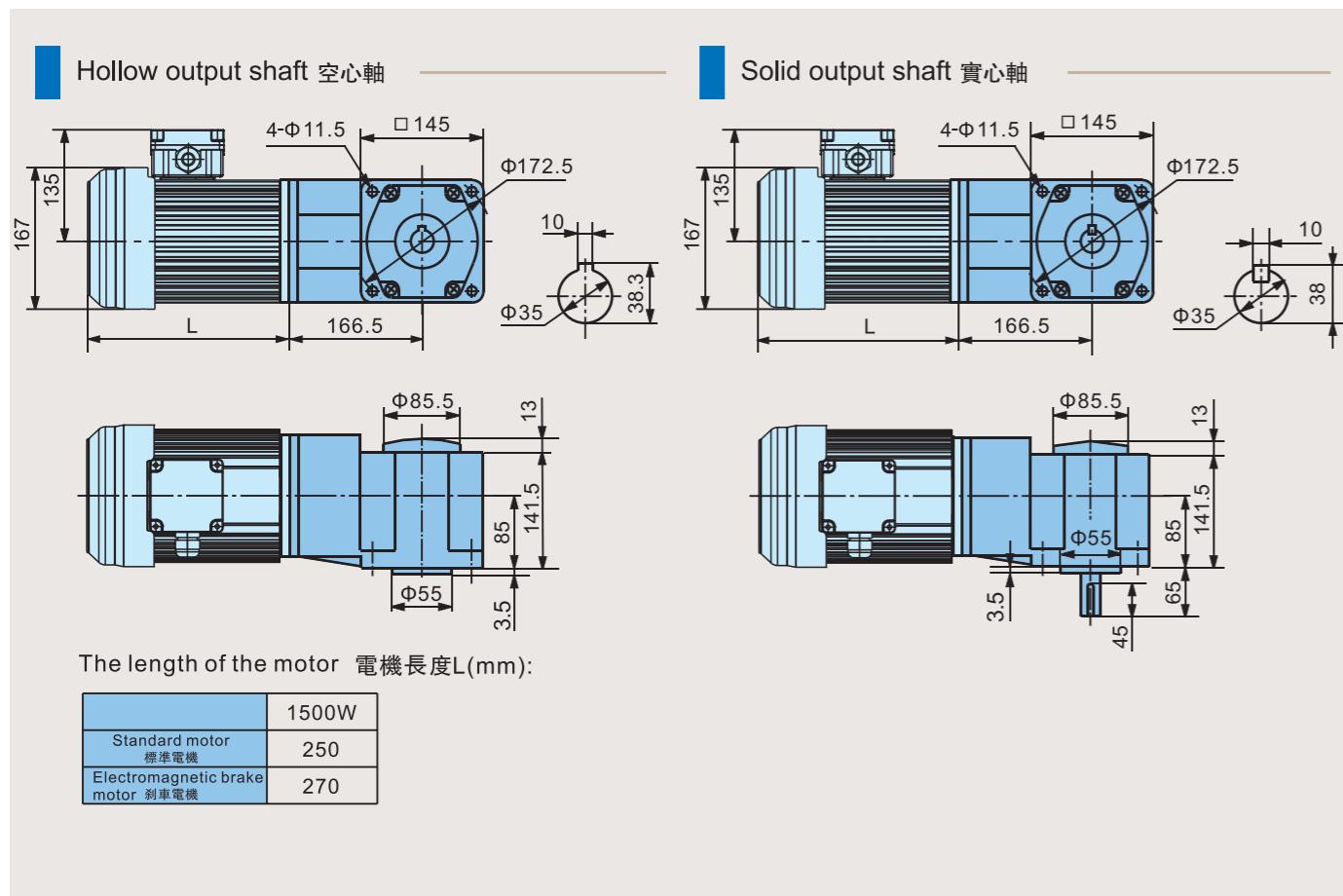
8F1-S35N-100K-GU  
+8IK1500W-S3F-GU



Shaft direction  
出軸方向說明



► OVERALL DIMENSIONS 外形尺寸



► MAX ALLOWABLE TORQUE OF 400W MOTOR

1500W電機時最大容許轉矩

		Three-staged 三級傳動															Four-staged 四級傳動														
Ratio 減速比		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180							
50 Hz	Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3							
	Torque 轉矩 N.m	22.9	27.5	38.2	45.8	57.3	68.7	76.4	95.5	114	137	153	191	229	275	280	280	280	280	280	280	280	280	280							
60 Hz	Speed 轉速 r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10							
	Torque 轉矩 N.m	19.1	22.9	31.8	38.2	47.7	57.3	63.6	79.5	95.5	114	127	159	191	229	254	280	280	280	280	280	280	280	280							

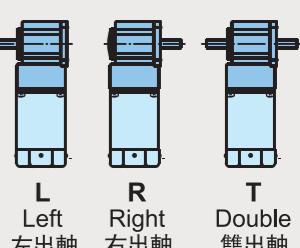
The speed is calculated by dividing the motor's synchronous speed by the gear ratio.  
轉速是以電機的同步轉速為基準除以減速比的數值

F1 type reducer(concentric square flange)  
F1系列減速器(正方同心法蘭型)  
**9F1**

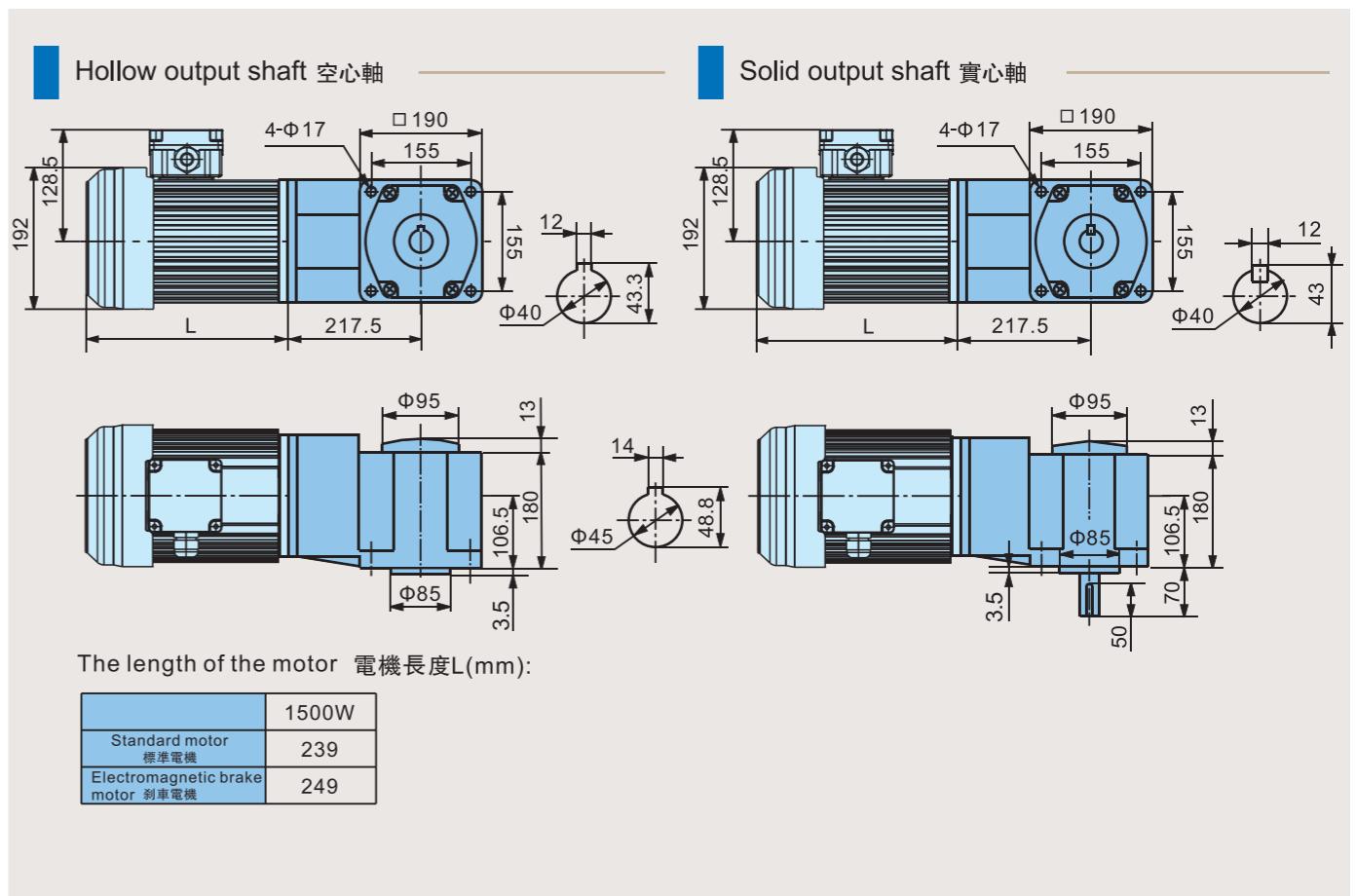
9F1-S40N-100K-GU  
+9IK1500W-S3F-GU



Shaft direction  
出軸方向說明



► OVERALL DIMENSIONS 外形尺寸



► MAX ALLOWABLE TORQUE OF 2200W MOTOR

2200W電機時最大容許轉矩

		Three-staged 三級傳動															Four-staged 四級傳動														
Ratio 減速比		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	250	300	450				
50 Hz	Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	6	5	3.3				
	Torque 轉矩 N.m	33.4	40.1	59.2	66.9	89.9	99.9	117	148	176	199	235	296	229	355	360	360	360	360	360	360	360	360	360	360	360	360				
60 Hz	Speed 轉速 r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	7.2	6	4				
	Torque 轉矩 N.m	28.2	33.8	49.3	56.4	74	84.6	98.7	123	148	169	197	246	296	338	360	360	360	360	360	360	360	360	360	360	360	360				

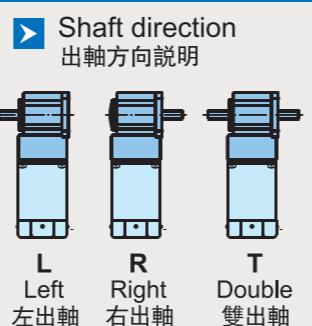
The speed is calculated by dividing the motor's synchronous speed by the gear ratio.  
轉速是以電機的同步轉速為基準除以減速比的數值

F1 type reducer(concentric square flange)  
9F1 F1系列減速器(正方同心法蘭型)

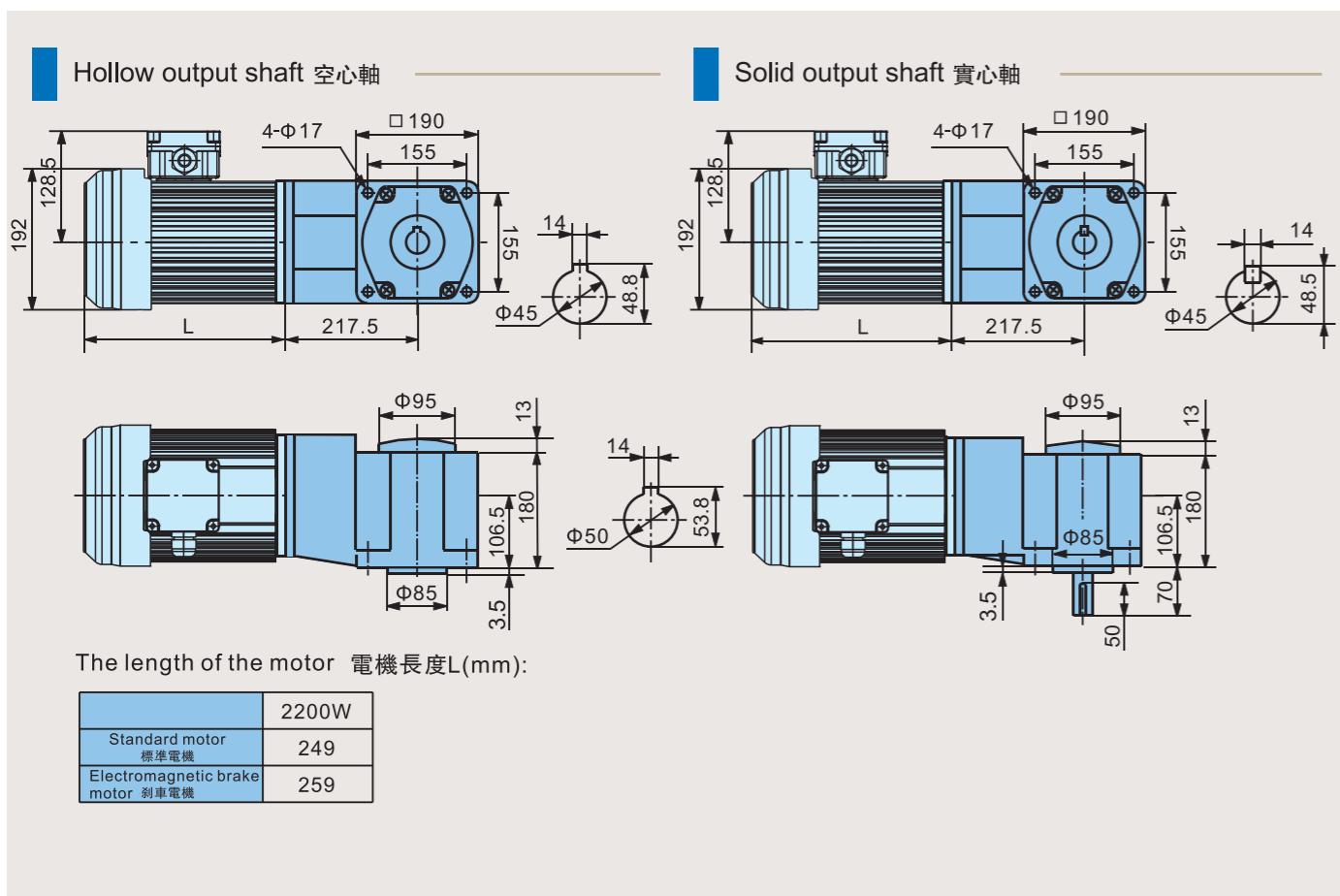


MANDREL L  
穿芯軸L

MANDREL T  
穿芯軸T



► OVERALL DIMENSIONS 外形尺寸



► MAX ALLOWABLE TORQUE OF 1500W MOTOR

1500W電機時最大容許轉矩

		Three-staged 三級傳動																		Four-staged 四級傳動																							
Ratio 減速比		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180																			
50 Hz	Speed 轉速 r/min	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3																			
	Torque 轉矩 N.m	22.9	27.5	38.2	45.8	57.3	68.7	76.4	95.5	114	137	153	191	229	275	306	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360										
60 Hz	Speed 轉速 r/min	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10																			
	Torque 轉矩 N.m	19.1	22.9	31.8	38.2	47.7	57.3	63.6	79.5	95.5	114	127	159	191	229	254	318	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360									

The speed is calculated by dividing the motor's synchronous speed by the gear ratio.  
轉速是以電機的同步轉速為基準除以減速比的數值。

6W~750W



► DESCRIPTION OF MODEL 型號說明

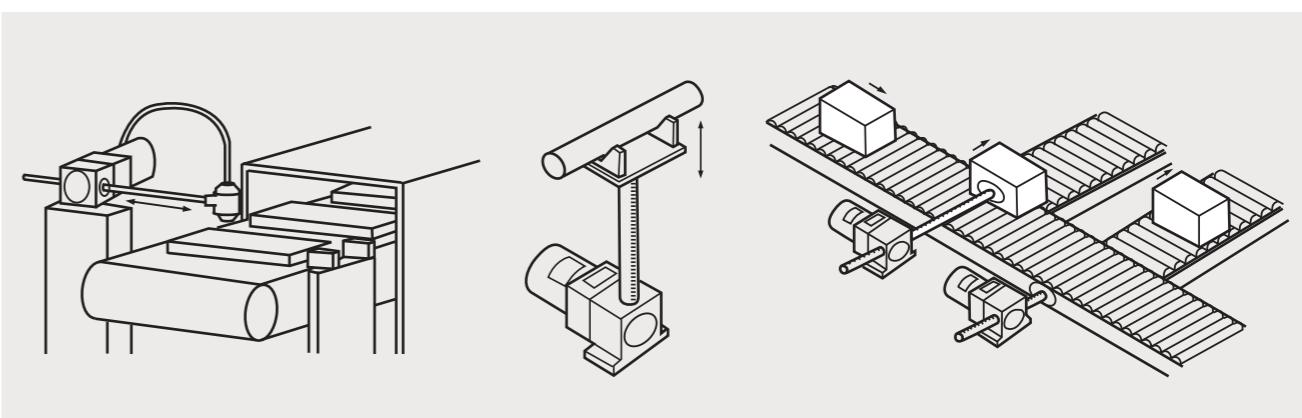
5 1    L 2    F 3    - 4    50 4 - K 5    40 S 6 - 7 - 4 7 - GU 8

1	Frame size 外形尺寸	2: 60mm 3: 70mm 4: 80mm 5: 90mm 6: 104mm 7: 122mm
2	Type code 機型系列代號	L: L type linear reducer L系列直線減速器
3	Movement direction 齒條移動方向	F: The movement of the gear rack and mounting surface is vertical 齒條移動方向與安裝面垂直 B: The movement of the gear rack and mounting surface is parallel 齒條移動方向與安裝面平行
4	Reduction ratio 減速比	10: 1:10 20: 1:20 30: 1:30 50: 1:50 x: 1:x
5	Bearing type 軸承類型	K: Ball bearing 滾珠軸承
6	Movement speed 齒條速度	10: 10mm/s 20: 20mm/s 40: 40mm/s 50: 50mm/s x: x mm/s
7	Gear rack stroke 齒條衝程	1: 100mm 2: 200mm 4: 400mm 5: 500mm x: x *100mm
8	Gear shaft 所配齒軸類型	GN: General 普通型 GU: Reinforced 加強型 GH: Heavy 重型

► TECHNICAL PARAMETERS 技術參數

Model 型號	Movement speed 移動速度 (mm/s)	Rack travel 齒條有效行程 (mm)	Max handling weight 最大搬運重量 (kg)	Frame size 適配電機機座號	Motor power 適配電機功率 (W)
LF(B)2-GN□k-□S-□	10~50	100~500	20	60	6
LF(B)3-GN□k-□S-□	10~60	100~600	40	70	15
LF(B)4-GN□k-□S-□	10~80	100~700	70	80	25
LF(B)5-GU□k-□S-□	10~100	100~1000	140	90	40~140
LF(B)6-GU□k-□S-□	10~100	100~1500	250	104	140~300
LF(B)7-GU□k-□S-□	10~150	100~1500	450	122	400~750

► APPLICATION 用途示例



As technical data for these machines may be advantaged, please contact us or visit the company website. Not allow for publish without formal approved 因技術改進，實際值可能與上述參數有差異，恕不另行通知，若需具體參數，敬請諮詢本公司或瀏覽網站。

6W/10W

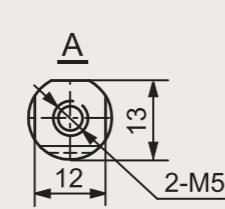
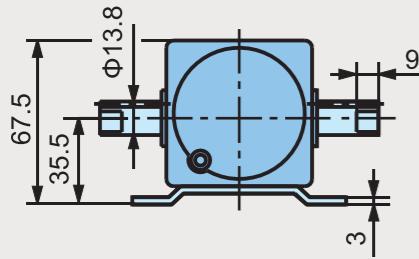
□ 60x60mm

Linear type reducer  
直線減速器

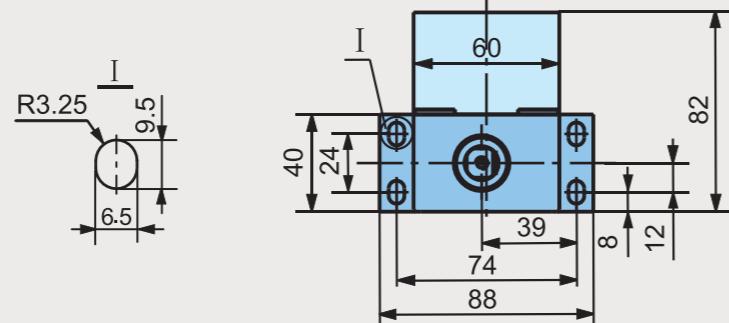
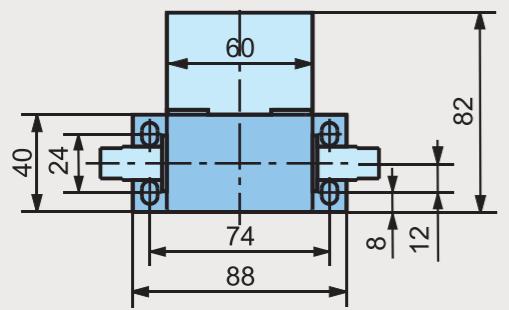
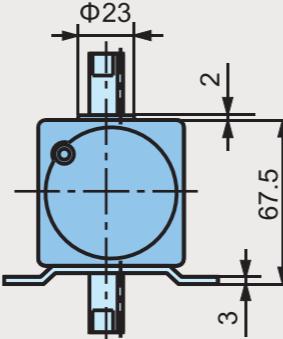
## ► OVERALL DIMENSIONS 外形尺寸

□ 60x60mm

2LB-□K-□S-□-GU



2LF-□K-□S-□-GU



$$V = 0.628 \times n / i \quad i = 0.628 \times n / V$$

V: rack movement speed (mm/s) 齒條移動速度  
n: motor rated speed (rpm/min) 電機額定轉速  
i: reduction ratio 電機減速比

## ► RACK MOVEMENT SPEED 齒條移動速度

Ratio 減速比	Two-staged 二級傳動										Three-staged 三級傳動								Four-staged 四級傳動											
	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300				
Rack movement speed 齒條移動速度 mm/s	262	218	157	131	105	87.2	78.5	62.8	52.3	43.6	39.3	31.4	26.2	21.8	19.6	15.7	13.1	10.5	8.7	7.85	6.5	5.2	4.4	3.9	3.1	2.6				

轉速是以電機的額定轉速為基準除以減速比的數值

The speed is calculated by dividing the motor's rated speed by the gear ratio.

15W/20W

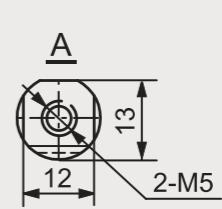
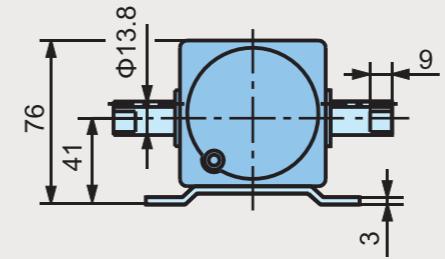
□ 70x70mm

Linear type reducer  
直線減速器

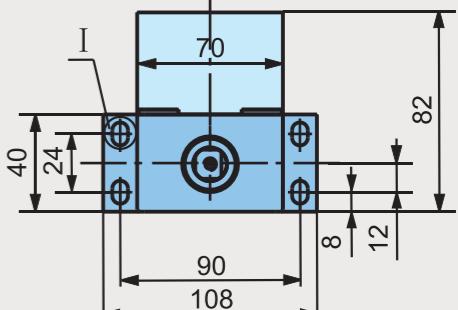
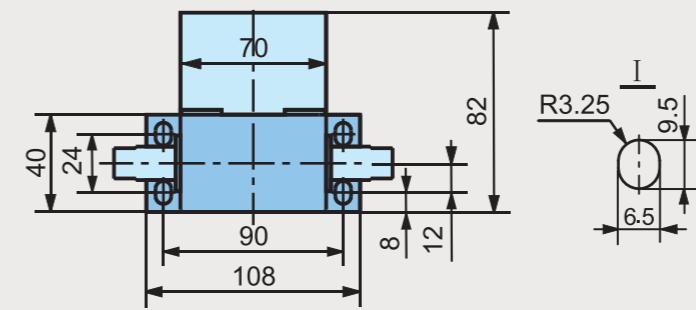
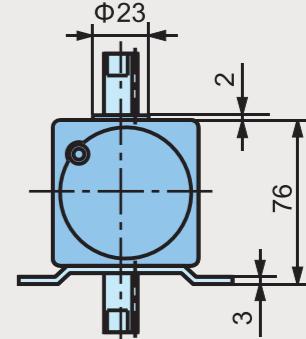
## ► OVERALL DIMENSIONS 外形尺寸

□ 70x70mm

3LB-□K-□S-□-GU



3LF-□K-□S-□-GU



$$V = 0.89 \times n / i \quad i = 0.89 \times n / V$$

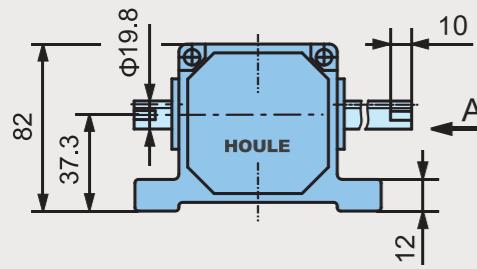
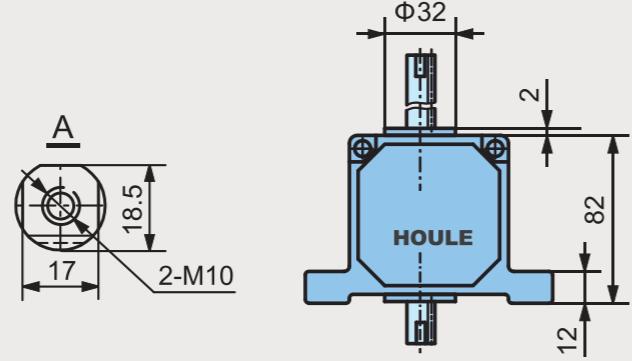
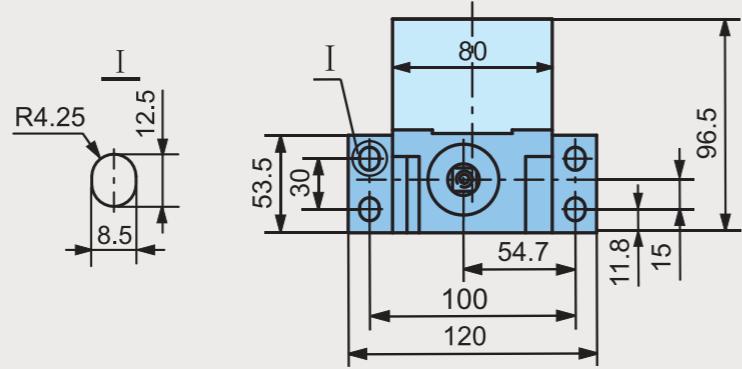
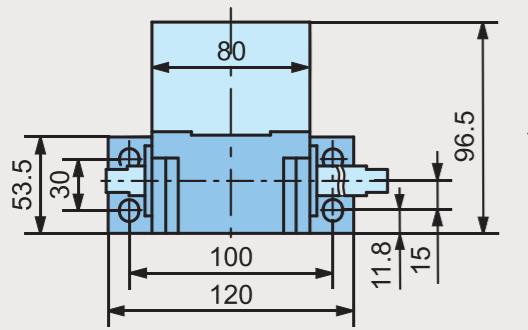
V: rack movement speed (mm/s) 齒條移動速度  
n: motor rated speed (rpm/min) 電機額定轉速  
i: reduction ratio 電機減速比

## ► RACK MOVEMENT SPEED 齒條移動速度

Ratio 減速比	Two-staged 二級傳動										Three-staged 三級傳動								Four-staged 四級傳動											
	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300				
Rack movement speed 齒條移動速度 mm/s	400	334	240	200	160	133	120	96.1	80.1	66.7	60	48	40	33.4	30	24	20	16	13.4	12	10	8	6.7	6	4.8	4				

轉速是以電機的額定轉速為基準除以減速比的數值

The speed is calculated by dividing the motor's rated speed by the gear ratio.


**► OVERALL DIMENSIONS 外形尺寸**
**4LF-K-S-GU**

**4LF-K-S-GU**

**□ 80x80mm**


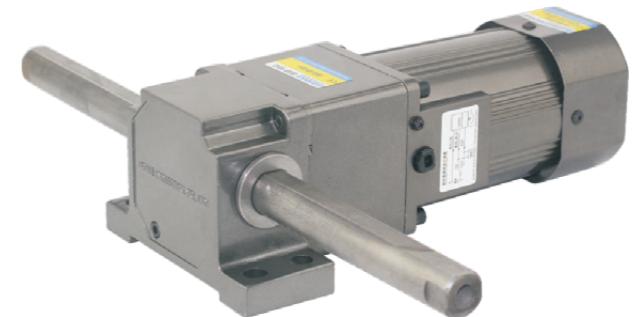
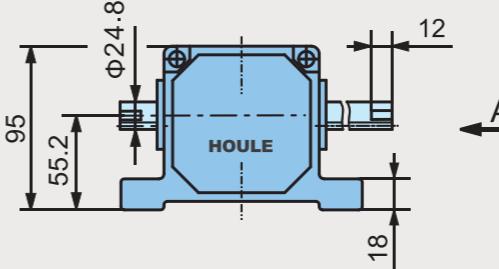
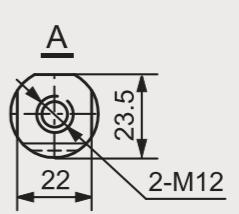
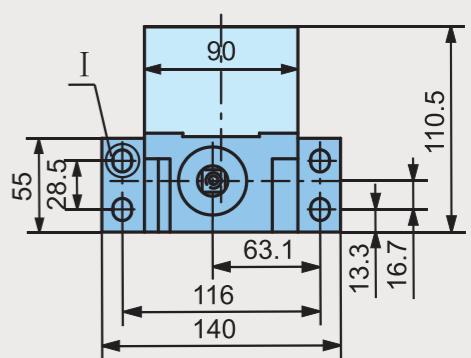
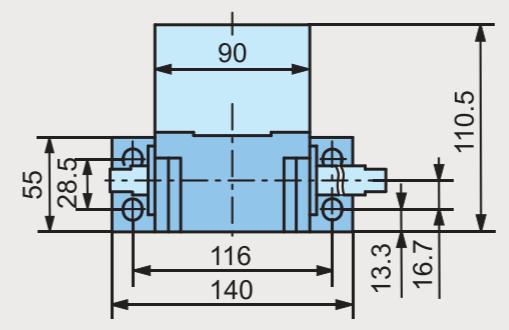
$$V = 1.112 \times n / i \quad i = 1.112 \times V / n$$

V: rack movement speed (mm/s) 齒條移動速度  
n: motor rated speed (rpm/min) 電機額定轉速  
i: reduction ratio 電機減速比

**► RACK MOVEMENT SPEED 齒條移動速度**

	Two-staged 二級傳動										Three-staged 三級傳動							Four-staged 四級傳動									
Ratio 減速比	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300	
Rack movement speed 齒條移動速度 mm/s	500	417	300	250	200	167	150	120	100	83	75	60	50	42	37	30	25	20	17	15	12.5	10	8	7.5	6	5	

  轉速是以電機的額定轉速為基準除以減速比的數值

  The speed is calculated by dividing the motor's rated speed by the gear ratio.

**► OVERALL DIMENSIONS 外形尺寸**
**5LB-K-S-GU**

**5LF-K-S-GU**

**□ 90x90mm**


$$V = 1.256 \times n / i \quad i = 1.256 \times V / n$$

V: rack movement speed (mm/s) 齒條移動速度  
n: motor rated speed (rpm/min) 電機額定轉速  
i: reduction ratio 電機減速比

**► RACK MOVEMENT SPEED 齒條移動速度**

	Two-staged 二級傳動										Three-staged 三級傳動							Four-staged 四級傳動									
Ratio 減速比	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300	
Rack movement speed 齒條移動速度 mm/s	565	471	339	283	226	188	170	136	113	94.2	84.8	67.8	56.5	47.1	42.4	33.9	28.3	22.6	18.8	17	14.1	11.3	9.4	8.5	6.8	5.7	

  轉速是以電機的額定轉速為基準除以減速比的數值

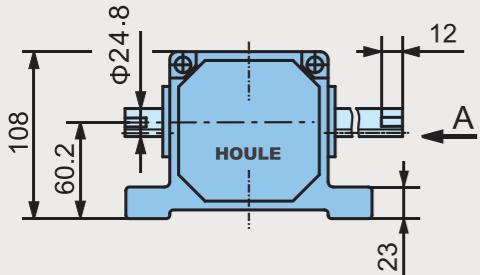
  The speed is calculated by dividing the motor's rated speed by the gear ratio.



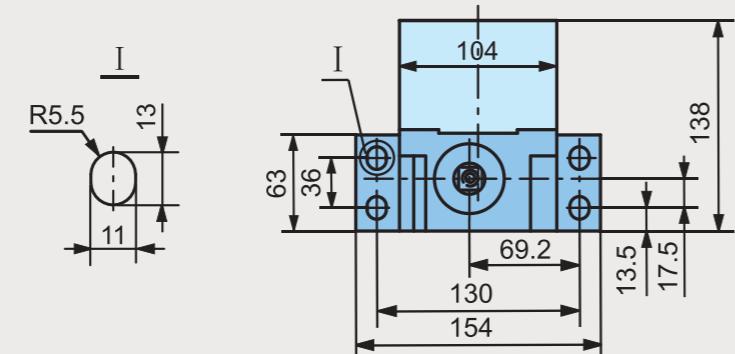
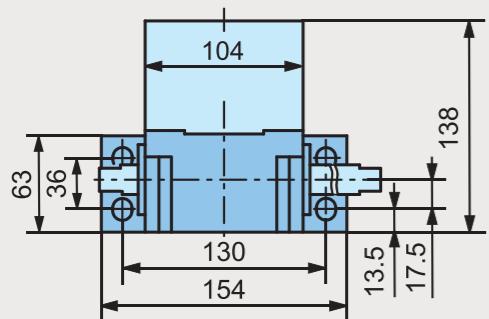
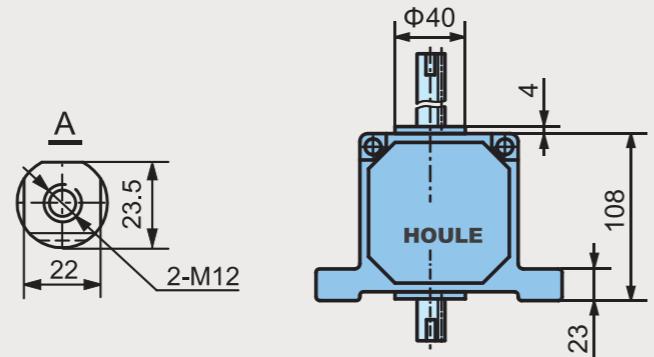
## ► OVERALL DIMENSIONS 外形尺寸

□ 104x104mm

6LB-□K-□S-□-GU



6LF-□K-□S-□-GU



$$V = 1.361 \times n / i \quad i = 1.361 \times V$$

V: rack movement speed (mm/s) 齒條移動速度  
 n: motor rated speed (rpm/min) 電機額定轉速  
 i: reduction ratio 電機減速比

## ► RACK MOVEMENT SPEED 齒條移動速度

	Two-staged 二級傳動										Three-staged 三級傳動								Four-staged 四級傳動									
	Ratio 減速比	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300	
Rack movement speed 齒條移動速度 mm/s		612	510	367	306	245	204	184	147	122	102	91.9	73.5	61.2	51	45.9	36.7	30.6	24.5	20.4	18.4	15.3	12.2	10.2	9.2	7.3	6.1	

轉速是以電機的額定轉速為基準除以減速比的數值

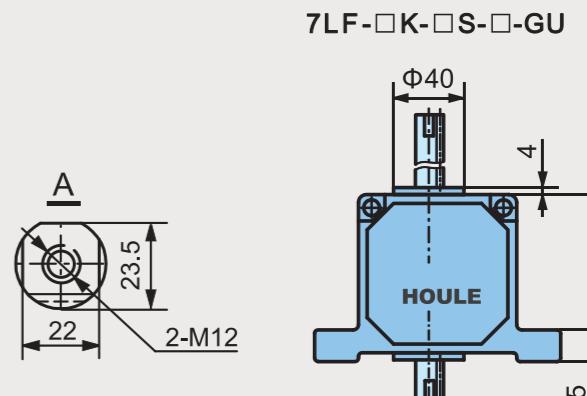
The speed is calculated by dividing the motor's rated speed by the gear ratio.



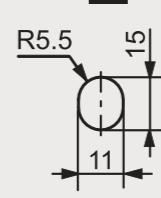
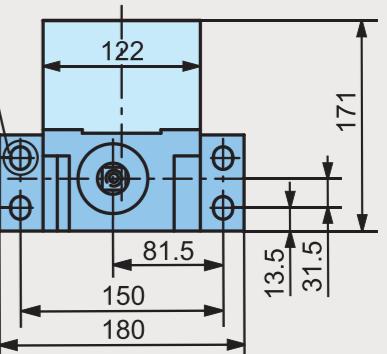
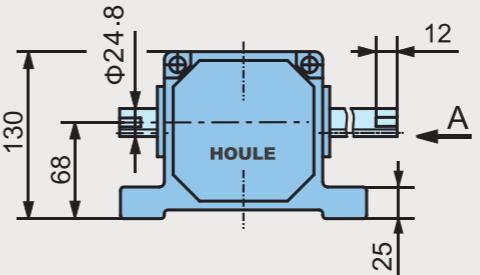
## ► OVERALL DIMENSIONS 外形尺寸

□ 122x122mm

7LB-□K-□S-□-GU



7LF-□K-□S-□-GU



$$V = 1.78 \times n / i \quad i = 1.78 \times V$$

V: rack movement speed (mm/s) 齒條移動速度  
 n: motor rated speed (rpm/min) 電機額定轉速  
 i: reduction ratio 電機減速比

## ► RACK MOVEMENT SPEED 齒條移動速度

	Two-staged 二級傳動										Three-staged 三級傳動								Four-staged 四級傳動									
	Ratio 減速比	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300	
Rack movement speed 齒條移動速度 mm/s		800	667	480	400	320	267	240	192	160	133	120	96	80	66.7	60	48	40	32	26.7	24	20	16	13.3	12	9.6	8	

轉速是以電機的額定轉速為基準除以減速比的數值

The speed is calculated by dividing the motor's rated speed by the gear ratio.

# AC SPEED CONTROLLER

## 交流型調速器



HZ750



FX3000



VS52



SS32/SS52



US52P



FX1000A



DF52



US52T



IF52

共同引領世界  
Drive the world together

6W~750W

### ► AC SPEED CONTROLLER 交流型調速器型號說明

 $\frac{U}{1} \quad \frac{S}{2} \quad \frac{5}{3} \quad \frac{2}{4} \quad \frac{T}{5} \quad \frac{-90}{6} \quad \frac{-50}{7}$ 

FREQUENCY CONVERTER

1	Type code 調速器種類代號	U: Combination type 普通組合型 D: Digital display type 數顯型 I: Inside controller 內置式 HZ: Frequency converter type 變頻型	S: Separation type 分離型 V: Dustproof controller 防塵型 FX1000: FX專用
2	Code of function 功能代號	S: General controller 普通調速器 W: Break the weak current controller 斷弱電調速器 F: Multifunctional controller 多功能調速器 T: Controller for torque motor 力矩調速器	
3	Allowable current 容許電流	3: 3A      5: 5A      X: X A      750:750W	
4	Rate voltage 額定電壓	2: 1-phase 單相220V      1: 1-phase 單相110V	
5	Features code 特徵代號	T: With transformer type 變壓器型 P: With program edition type 程序版 ※ Common type not marked 普通類型不標	
6	With motor power 適配功率	6: 6W      15: 15W      25: 25W      40: 40W      90: 90W      120: 120W 140: 140W      180: 180W      300: 300W      X: X W	
7	Outlet length 出線長度	50: 500 mm      100: 1000 mm      200: 2000 mm      x: 10x mm      N: No qualification 沒有出線	

### ► TECHNICAL PARAMETERS 技術參數

Working Power Supply: 工作電源  $\sim 220V \pm 10\%$ , 50Hz/60HzControl of motor capacity: 控制電機容量  $\leq 400W$ 

Speed range: 調節範圍 90~1350rpm

Steady speed accuray: 穩速精度  $\leq 1\%$ 

Working environment: 工作環境

Temperature: 溫度  $-10^\circ C \sim 50^\circ C$ 

Relative humidity: 相對濕度 30%~80%

As technical data for these machines may be advantaged, please contact us or visit the company website. Not allow for publish without formal approved 因技術改進，實際值可能與上述參數有差異，恕不另行通知，若需具體參數，敬請諮詢本公司或瀏覽網站。

6W~750W

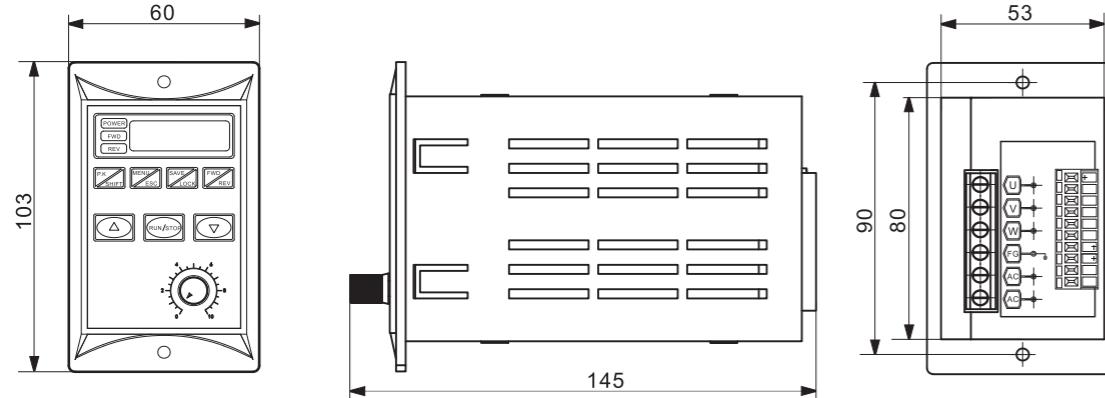
## AC Speed controller 交流型速度控制器 (調速器)

### FREQUENCY CONVERTER TYPE 變頻器型

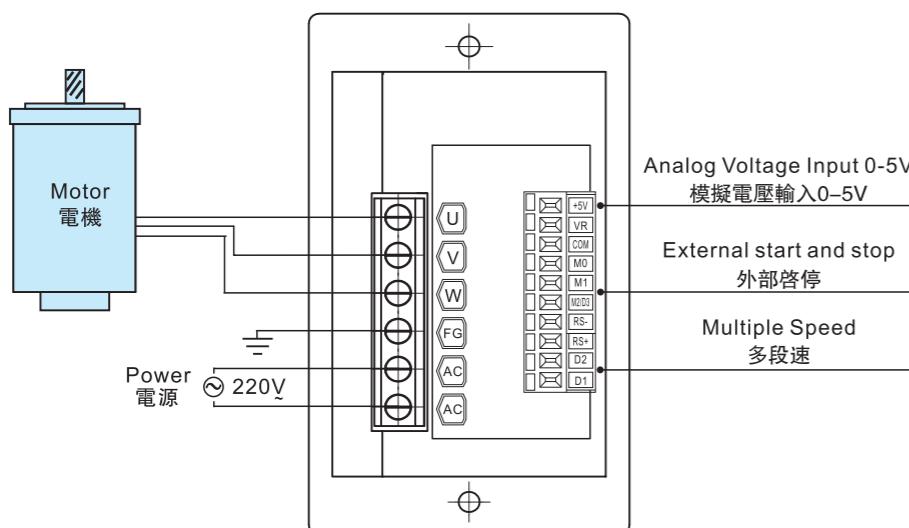


DS 750

### OVERALL DIMENSIONS 外形尺寸



### CONNECTION DIAGRAMS 連接圖



As technical data for these machines may be advantaged, please contact us or visit the company website. Not allow for publish without formal approved 因技術改進，實際值可能與上述參數有差异，恕不另行通知，若需具體參數，敬請諮詢本公司或瀏覽網站。

6W~400W

## AC Speed controller 交流型速度控制器 (調速器)

### MULTIFUNCTIONAL CONTROLLER 多功能調速器

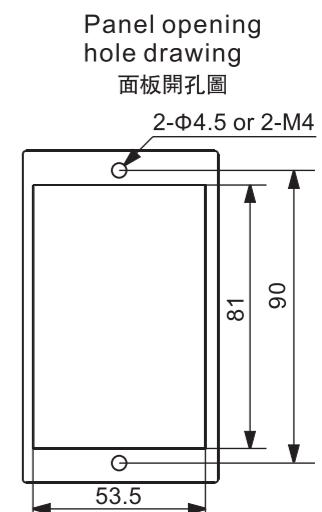
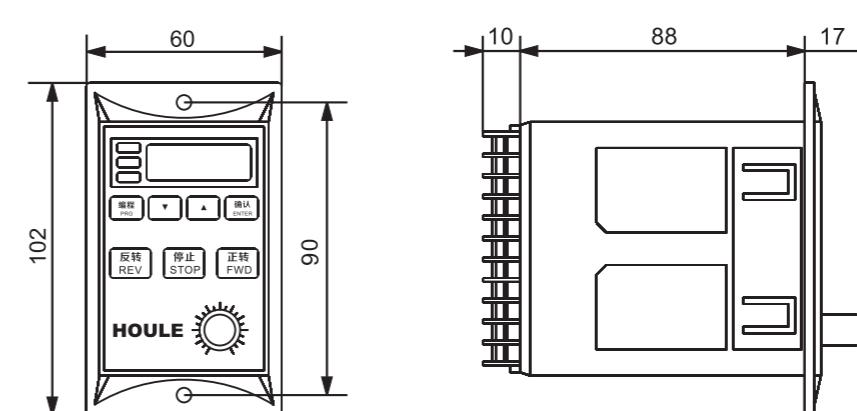


DF 32



DF 52

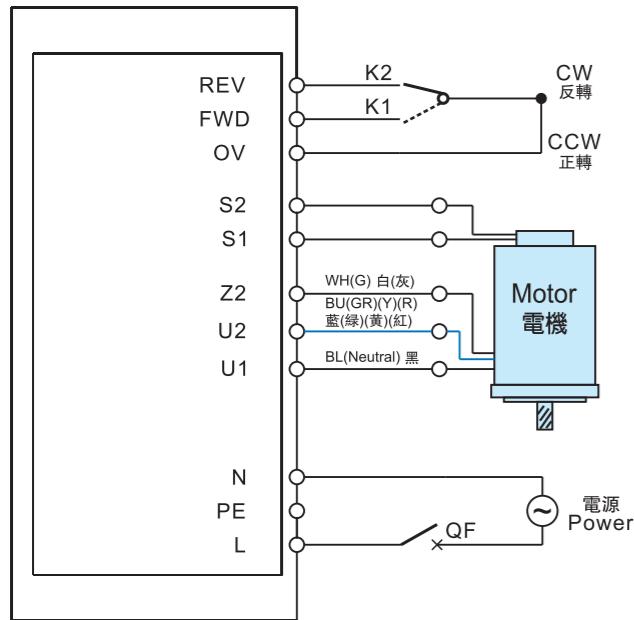
### OVERALL DIMENSIONS 外形尺寸



### FEATURE 特點

- Using MCU digital control technology, the function is rich, the performance is excellent.  
采用MCU數字控制技術，功能豐富，性能優異。
- Using the digital menu option, the setting is convenient and fast.  
采用數顯菜單式選項，修改設定方便快捷。
- According to the user's display, the display ratio will be set and the target value will be displayed automatically.  
可根據用戶顯示需要設定顯示倍率，自動換算顯示目標值。
- Slow acceleration and slow deceleration can be achieved.  
可實現緩慢加速、緩慢減速。
- Panel operation, external switch control.  
可面板操作、外接開關控制。
- The panel knob automatically matches the highest speed, the speed control is convenient and safe.  
面板旋鈕自動匹配最高轉速，調速控制方便、安全。
- Built-in operating capacitance. 内置運行電容。
- Block the protection function, prevent the motor, the governor is blocked to burn off.  
(This function can protect the plug and overload, but cannot protect the non-blocking overloading.)  
堵轉保護功能，防止電機、調速器因堵轉燒掉。  
(此功能可保護堵轉過載，但無法保護非堵轉過載)

► MULTI-FUNCTION GOVERNOR WIRING DIAGRAM 多功能調速器接線圖



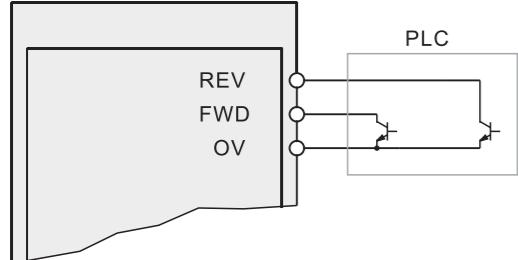
- The operation panel button controls the motor operation
  - No need to install K1, K2 switch.
  - The menu settings:  
Operation control mode F-03 select '1' or '4' operate panel button control.  
操作面板按鈕控制電機運轉  
1) 無需安裝K1、K2開關。  
2) 菜單設置：  
運轉控制方式F-03選擇“1”或“4”操作面板按鈕控制。
- External switch K1, K2 control motor running
  - Have to install K1, K2 switch.
  - The menu settings:  
Operation control mode F-03 select '2' or '3' operate panel button control.  
外接開關K1、K2控制電機運轉  
1) 必需安裝K1、K2開關。  
2) 菜單設置：  
運轉控制方式F-03選擇“2”或“3”操作面板按鈕控制。
- Variable speed motor power must be consistent with the speed control.
 

調速電機的功率必須與調速器適用電機功率一致。
- Supply voltage must be consistent with the speed control voltage. QF is circuit breaker, occur a short circuit, it could protect speed control and variable speed motor.
 

電源電壓必須與調速器電源電壓規格一致。QF為斷路器，在發生短路時保護調速器和調速電機。

**NOTICE:**  
Speed controller U1, U2, Z2 and motor U1, U2, Z2 are prohibited to install switch or relay.

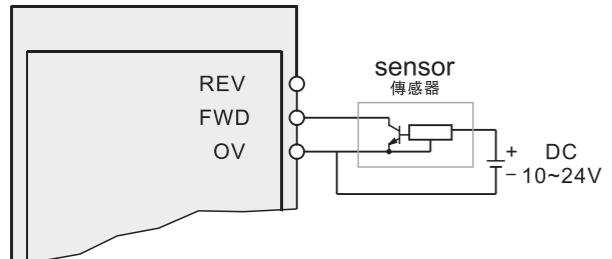
**注意：**  
調速器U1、U2、Z2與電機U1、U2、Z2之間的連接嚴禁安裝開關或繼電器



- FWD, REV using PLC programmable controller control.
 

PLC output way:  
NPN or Drain transistor output, or relay type output.  
FWD、REV采用PLC可編程控制器控制  
PLC輸出方式：  
NPN或漏型晶體管輸出,或繼電器型輸出
- The menu settings:  
Operation control mode F-03 select '2' or '3' operate panel button control.
 

菜單設置：  
運轉控制方式F-03選擇“2”或“3”操作面板按鈕控制。



- FWD, REV using the proximity switch, plutoelectric switch and other sensors control.
 

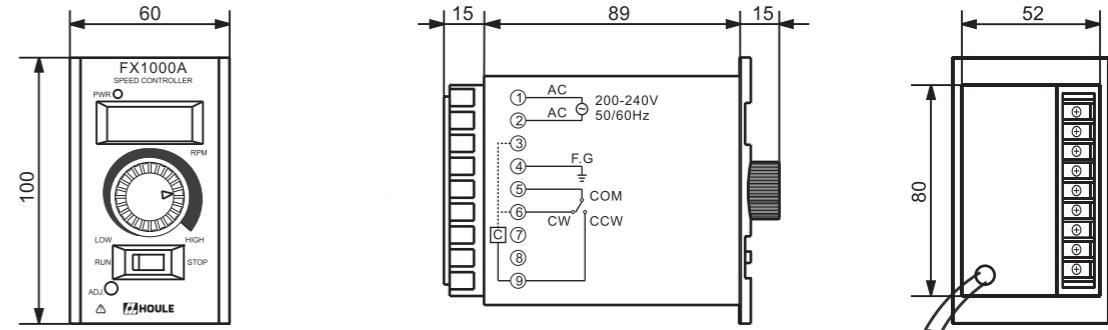
Switch output method:  
Three wires type NPN normally open transistor output.  
FWD、REV采用接近開關、光電開關等傳感器控制  
開關輸出方式：  
三線式NPN常開晶體管輸出。
- The menu settings:  
Operation control mode F-03 select '2' or '3' operate panel button control.
 

菜單設置：  
運轉控制方式F-03選擇“2”或“3”操作面板按鈕控制。

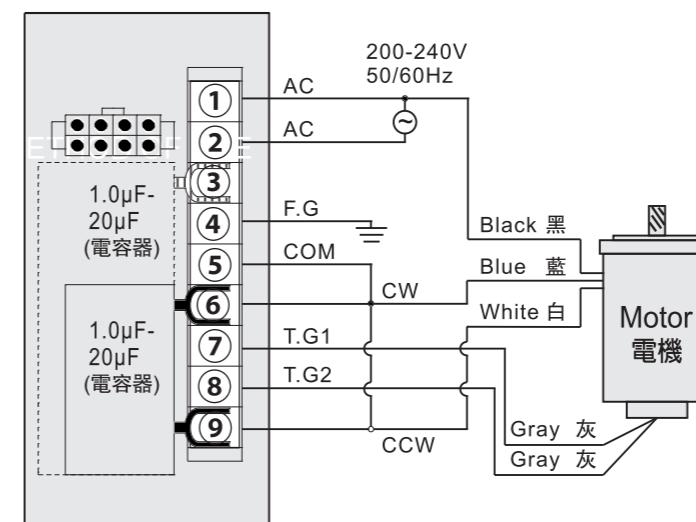
► DIGITAL SPEED CONTROLLER 數字調速控制器



► OVERALL DIMENSIONS 外形尺寸



► CONNECTION DIAGRAMS 連接圖



- CW : (COM+CW)
- CCW : (COM+CCW)

**OPERATION:**  
According to wiring diagram, please connect a motor and controller. And then turn on AC power. User can set speed by using main volume in front of controller.

**SET DIRECTION:**  
1 CW (COM+CW), 2 CCW (COM+CCW)

**CONDENSER:**  
Connect 3-9 or 6-9

**操作：**  
請按照左圖接線圖接線，連接電機和控制部分，然後打開交流電源，用戶可通過總轉速控制器進行使用轉速設置。  
**設置用法說明：**  
1.CW: (COM+CW) ; 2.CCW: (COM+CCW)  
**電容器：**  
連接3-9或6-9。

## AC Speed controller 交流型速度控制器 (調速器)

6W~400W

### COMBINATION TYPE 組合式調速器



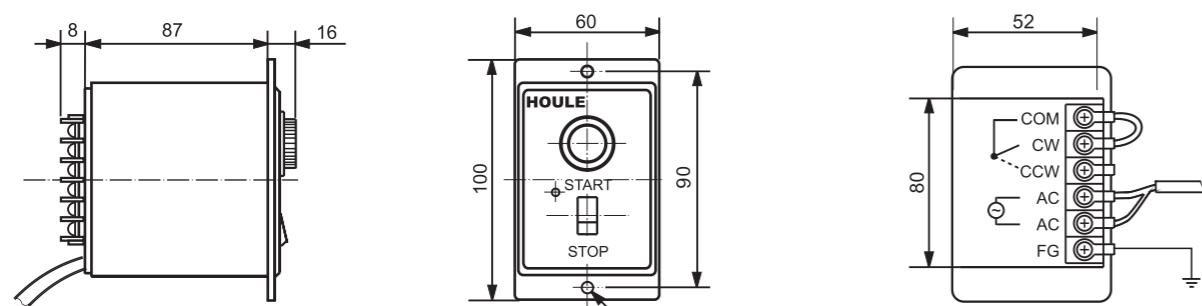
US 52

US 52T

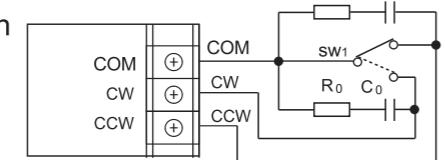
US 52P

VS 52

### OVERALL DIMENSIONS 外形尺寸



#### Reversing operation 正反轉操作時



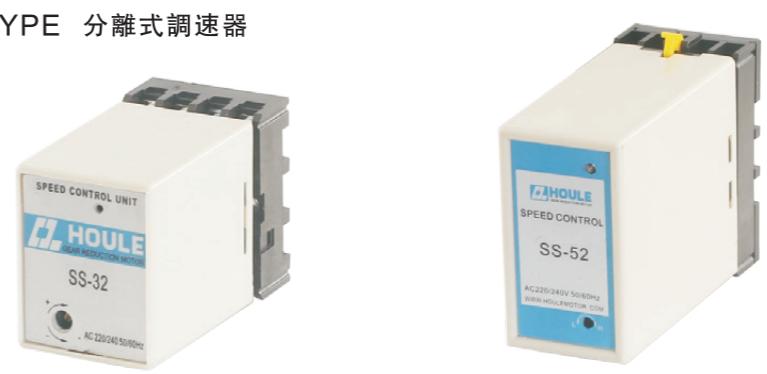
### METHOD OF USE 調速器使用說明

- The speed controller and the lead wire connector of the motor are connected and then the plug cord is connected to AC power .When the START/STOP switch on the controller is switched to START, then it can start running. then it can start running. Speed controller output shaft rotate direction, depends on the instruction of reduction part, relates to the transmission stages (or ratio). 將調速器和調速電機連接好，通電，當調速器按鈕開關指向“START”，電機可以開始運行。調速電機輸出軸的旋轉方向，取決于調速電機減速部分的結構，即與傳動級數（或與減速比）有關。
- If SPEED VOLUME switch of the speed controller is turned clockwise shows increases and if it is turned counter -clockwise ,slows down. 調節旋鈕順時針旋轉時，轉速增加，逆時針旋轉時，轉速減少。
- If the START/STOP switch on the controller is switched to STOP, the motor stops. Note:This switch is not an on-off switch for power.When the motor needs to be stopped for a long time,a separate power source should be installer . 將開關按鈕指向“STOP”電機停止運轉。注意：此開關並非電源開關，若需電機停止運轉，請另設電源開關
- To change the rotation direction, change two connections among CW and CCW. 若想換向，請更改CW與CCW連接線
- Keep enough horizontal and vertical distance to other equipment. 安裝調速器時應保持足夠的距離。

## AC Speed controller 交流型速度控制器 (調速器)

6W~400W

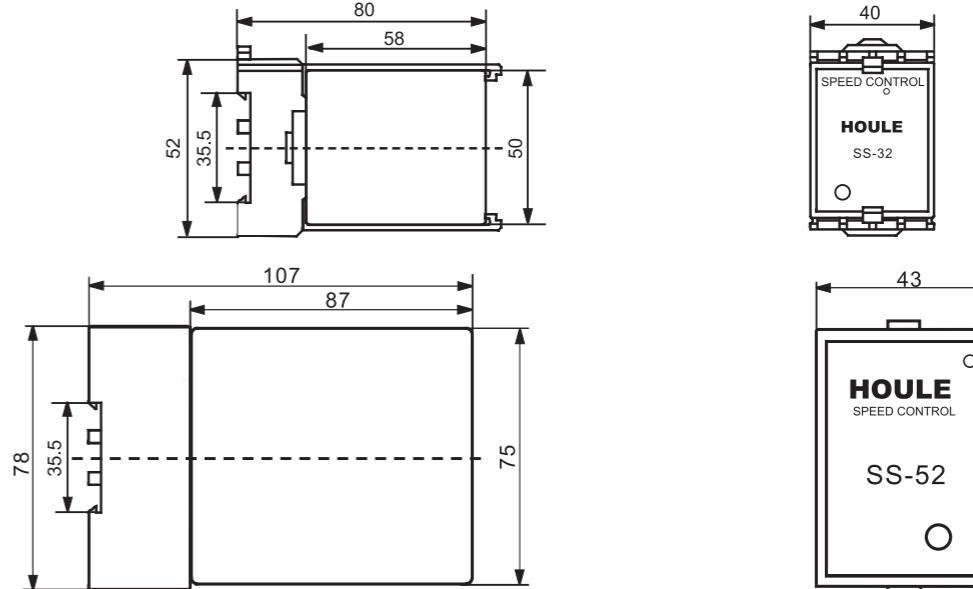
### SEPARATION TYPE 分離式調速器



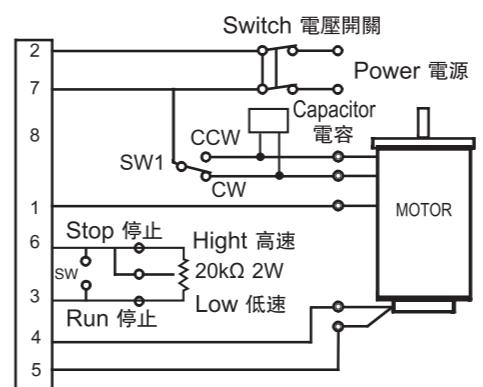
SS-32

SS-52

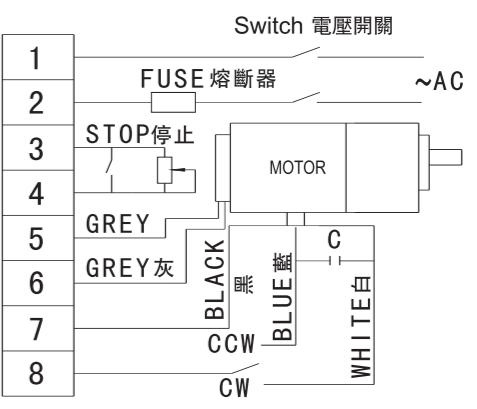
### OVERALL DIMENSIONS 外形尺寸



### CONNECTION DIAGRAMS 連接圖



SS-32



SS-52

Note:SS-32 controller power range:6W~120W;SS-52 controller power range:6W~400W.  
注：SS-32調速器功率範圍：6W~120W;SS-52調速器功率範圍：6W~400W。

6W~200W

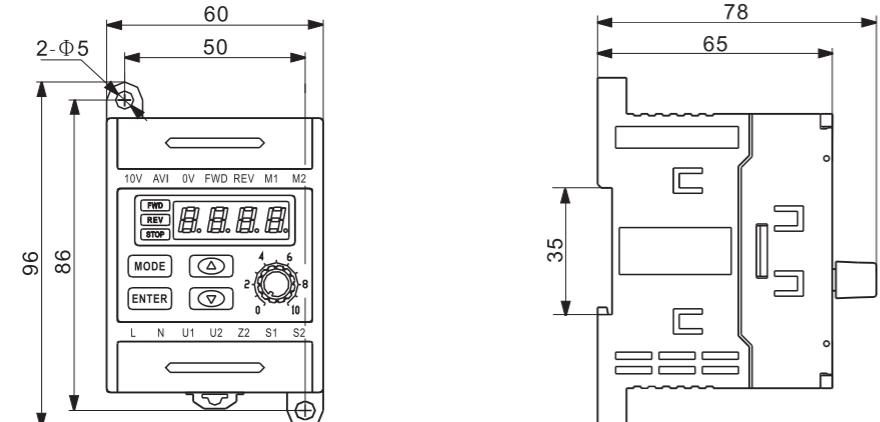
AC Speed controller  
交流型速度控制器 (調速器)

INSIDE CONTROLLER TYPE 内置式調速器



IF 52

OVERALL DIMENSIONS 外形尺寸



FEATURE 特點

- Using MCU digital control technology, the function is rich, the performance is excellent.  
采用MCU數字控制技術，功能豐富，性能優異。
- Using the digital menu option, the setting is convenient and fast.  
采用數顯菜單式選項，修改設定方便快捷。
- According to the user's display, the display ratio will be set and the target value will be displayed automatically.  
可根據用戶顯示需要設定顯示倍率，自動換算顯示目標值。
- Can achieve slow acceleration, slow deceleration, fast stop, 4 speed and other complex motion control.  
可實現緩慢加速、緩慢減速、快速停止、4段速等複雜運動控制。
- Can be external switch control, 0~10V analog control.  
可外接開關控制、0~10V模擬控制。
- Analog control can automatically match the highest speed, adjustment control is convenient and safe.  
模擬量控制可自動匹配最高轉速，調節控制方便、安全。
- Block the protection function, prevent the motor, the governor is blocked to burn off.  
(This function can protect the plug and overload, but cannot protect the non-blocking overloading.)  
堵轉保護功能，防止電機、調速器因堵轉燒掉。  
(此功能可保護堵轉過載，但無法保護非堵轉過載)

15W~1000W

Brushless DC motor  
無刷直流電機



DESCRIPTION OF MODEL 型號說明

MOTOR 電機

**5 1 BLD 2 120W 3 24V 4 GL 5 12 6 M 7 - 30S 8**

1	Frame size 外形尺寸	2: 60mm 3: 70mm 4: 80mm 5: 90mm 6: 104mm 7: 122mm
2	Motor type 電機類型	BLD: Brushless DC motor 無刷型直流電機
3	Rated power 電機功率	25: 25W 40: 40W 60: 60W 120: 120W 250: 250W x: x W
4	Rated voltage 額定電壓	24: DC24V 36: DC36V 48: DC48V 110: DC110V 220: DC220V
5	Shaft type 電機軸類別	GN: General 普通型 GU: Reinforced 加強型 GH: Heavy 重載型 A0: Round shaft 圓軸 A1: Keyway type 鍵槽型 A2: Flat shaft type 扁軸型 RV: For RV 配RV專用型 GL: For L type gearbox L型減速器用
6	Motor shaft DIM 電機軸直徑	8: Φ8mm 10: Φ10mm 12: Φ12mm x: Φ x mm ※ Gear shaft is not marked 齒軸不標示
7	Accessories 輔件	B: Encoder (Including the simple helzer encoder) 編碼器 (包括簡易型霍爾編碼器) E: Clutch & Brake 離合剎車器 M: Electromagnetic brake 電磁剎車器
8	Speed 電機軸轉速	15S: 1500RPM 18S: 1800RPM 25S: 2500RPM 30S: 3000RPM

L TYPE GEARBOX L型減速器

**5 1 L1 2 - S 3 15 4 N 5 - 50 6 K 7 - GL 8**

1	Frame size 外形尺寸	2: 60mm 3: 70mm 4: 80mm 5: 90mm 6: 104mm
2	Type code 型號系列代號	L1: L type gearbox L型減速器
3	Output shaft type 出軸類型	F: Solid output shaft 實心軸 S: Hollow output shaft 空心軸
4	Shaft DIM 輸出軸(孔)直徑	12: Φ12mm 15: Φ15mm 20: Φ20mm 25: Φ25mm x: Φ x mm
5	Shaft direction 出軸方向	R: Right shaft 右出軸 L: Left shaft 左出軸 T: Double shaft 雙出軸 N: Hollow 空心軸
6	Gear ratio 減速比	5: 1:5 15: 1:15 30: 1:30 50: 1:50 100: 1:100 x: 1:x
7	Bearing type 軸承類型	K: Ball bearing 滾珠軸承
8	Gear shaft 所配齒軸類型	GN: General 普通型 GU: Reinforced 加強型 GH: Heavy 重載型 GL: For L type gearbox L型減速器用

2GN150K-C8  
+2BLD25W-24VGN-30S



2L1-S12N-100K-GL  
+2BLD25W-24VGL-30S



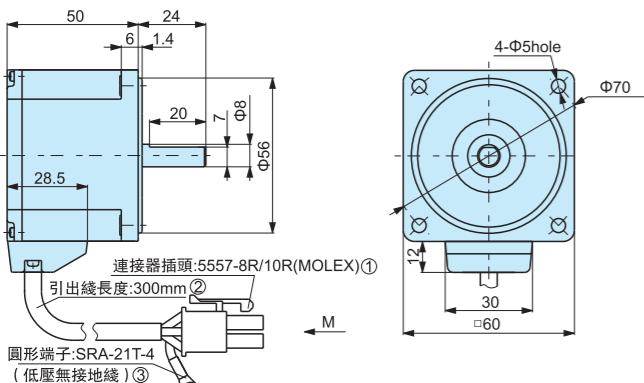
BLD-H10-120LD



► MOTOR PERFORMANCE PARAMETERS 電機性能參數

Model 型號	Power 功率 W	Rated Voltage V	No-load parameters 空載參數		Rated parameters 額定參數			Grade protection 防護等級 IP	
			Speed 轉速 r/min	Current 電流 A	Speed 轉速 r/min	Current 電流 A	Torque 轉矩 N.m		
2BLD	2BLD15W-48VGN-30S	15	48	3800	0.12	3000	0.5	0.047	44
	2BLD15W-36VGN-30S	15	36	3800	0.15	3000	0.7	0.047	44
	2BLD15W-24VGN-30S	15	24	3800	0.25	3000	1.1	0.047	44
	2BLD25W-220VGN-30S	25	220	3800	0.1	3000	0.45	0.08	44
	2BLD25W-110VGN-30S	25	110	3800	0.15	3000	0.75	0.08	44
	2BLD25W-48VGN-30S	25	48	3800	0.2	3000	0.8	0.08	44
	2BLD25W-36VGN-30S	25	36	3800	0.3	3000	1.1	0.08	44
	2BLD25W-24VGN-30S	25	24	3800	0.4	3000	1.7	0.08	44

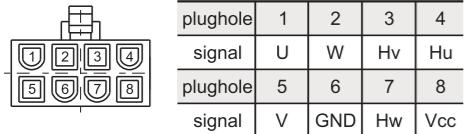
► CIRCULAR SHAFT TYPE OPTICAL MOTOR 圓軸型光電機



①Connector: 5557-8R/10R(MOLEX) ②The sheath of lead line 300mm ③Round terminal: SRA-21T-4(Low ground)

► WIRING DIAGRAM 接線示意圖

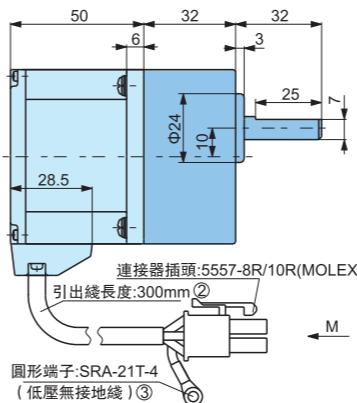
● Low voltage wire plughole corresp-onding signal explanation  
低壓電機接線插孔對應信號說明



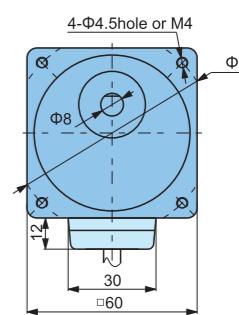
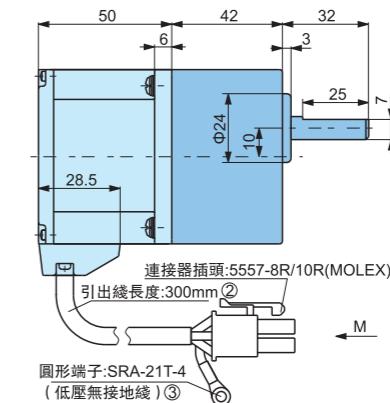
● High voltage wire plughole corresp-onding signal explanation  
高壓電機接線插孔對應信號說明



► PARALLEL SHAFT SPEED REDUCER 平行軸減速器



①Connector: 5557-8R/10R(MOLEX) ②The sheath of lead line 300mm ③Round terminal: SRA-21T-4(Low ground)



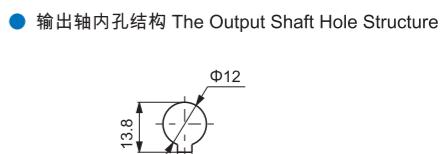
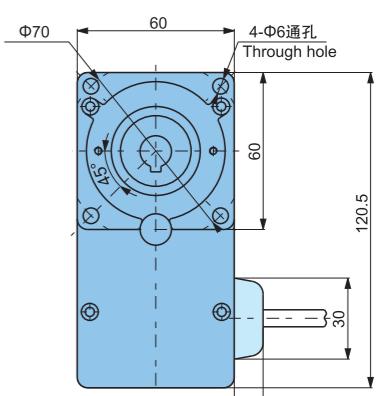
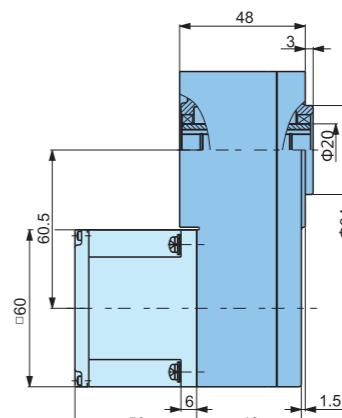
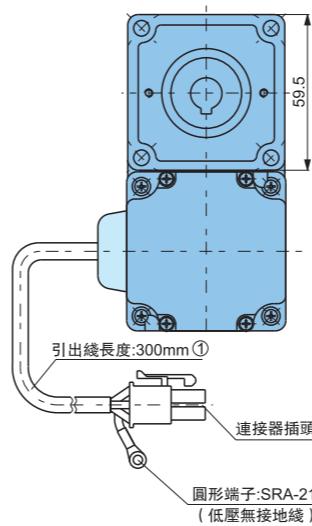
- Machine Allowable Torque (Unit: N.m) 容許力矩 (單位: N.m)
  - The same direction 輸出軸與電機旋轉方向相同
  - The opposite direction 輸出軸與電機旋轉方向相反

POWER 功率	Reduction Ratio 減速比 電機軸轉速	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180	200	250	300
		200~1500RPM	0.18	0.22	0.30	0.36	0.45	0.54	0.60	0.75	0.91	1.08	1.09	1.36	1.63	1.96	2.72	2.95	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
15W	2000RPM	0.17	0.21	0.29	0.35	0.44	0.52	0.58	0.73	0.87	1.04	1.04	1.30	1.56	1.87	2.60	2.82	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
	2500RPM	0.14	0.17	0.23	0.28	0.35	0.42	0.46	0.58	0.70	0.84	0.84	1.05	1.25	1.51	2.09	2.27	2.83	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
	200~1500RPM	0.30	0.36	0.50	0.60	0.75	0.91	1.00	1.26	1.51	1.81	1.81	2.27	2.72	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
25W	2000RPM	0.29	0.35	0.49	0.58	0.73	0.87	0.97	1.21	1.46	1.75	1.75	2.18	2.61	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
	2500RPM	0.23	0.28	0.39	0.46	0.58	0.69	0.77	0.97	1.16	1.39	1.39	1.74	2.09	2.51	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	

Note: The torque under different speed and speed ratio is obtained under the HL standard.

注：不同轉速及速比下的力矩為HL標準驅動器下測試所得。

► L TYPE SPEED REDUCER L型減速器



①The sheath of lead line 300mm ②Connector: 5557-8R/10R(MOLEX) ③Round terminal: SRA-21T-4(Low ground)

Brushless DC motor  
無刷直流電機  
2BLD Series 系列

- Machine Allowable Torque (Unit: N.m) 容許力矩 (單位: N.m)

POWER 功率	Reduction Ratio 減速比	5	10	15	20	30	50	100	200
15W	200~1500RPM	0.27	0.54	0.82	1.09	1.63	2.72	5.44	10.9
	2000RPM	0.23	0.46	0.69	0.92	1.38	2.30	4.60	9.20
	2500RPM	0.21	0.42	0.63	0.84	1.25	2.09	4.18	8.37
25W	200~1500RPM	0.50	1.00	1.51	2.01	2.72	4.53	9.06	16.4
	2000RPM	0.43	0.85	1.28	1.70	2.30	3.83	7.67	13.9
	2500RPM	0.35	0.70	1.05	1.39	2.09	3.49	6.97	12.6

Note: The torque under different speed and speed ratio is obtained under the HL standard.

注：不同轉速及速比下的力矩為HL標準驅動器下測試所得。

2BLD series

Brushless DC motor  
無刷直流電機  
3BLD Series 系列

- 3GH200K-C10  
+3BLD40W-220VGN-30S



- 3F1-S15N-100K-GN  
+3BLD40W-24VGL-30S



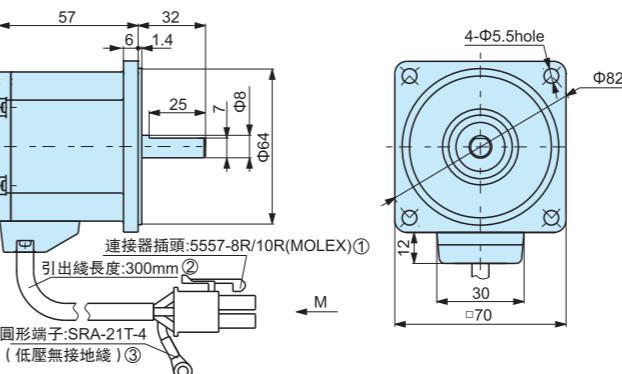
- 3GL10-200K-C18  
+3BLD40W-24VGN-30S



► MOTOR PERFORMANCE PARAMETERS 電機性能參數

Model 型號	Power 功率 W	Rated Voltage 電壓 V	No-load parameters 空載參數		Rated parameters 額定參數			Grade protection 防護等級 IP
			Speed 轉速 r/min	Current 電流 A	Speed 轉速 r/min	Current 電流 A	Torque 轉矩 N.m	
3BLD	3BLD25W-220VGN-30S	25	220	3800	0.1	3000	0.45	0.08
	3BLD25W-110VGN-30S	25	110	3800	0.15	3000	0.75	0.08
	3BLD25W-48VGN-30S	25	48	3800	0.2	3000	0.8	0.08
	3BLD25W-36VGN-30S	25	36	3800	0.3	3000	1.1	0.08
	3BLD25W-24VGN-30S	25	24	3800	0.4	3000	1.7	0.08
	3BLD40W-220VGN-30S	40	220	3800	0.15	3000	0.55	0.13
	3BLD40W-110VGN-30S	40	110	3800	0.2	3000	1.0	0.13
	3BLD40W-48VGN-30S	40	48	3800	0.25	3000	0.9	0.13
	3BLD40W-36VGN-30S	40	36	3800	0.4	3000	1.2	0.13
	3BLD40W-24VGN-30S	40	24	3800	0.5	3000	2.3	0.13

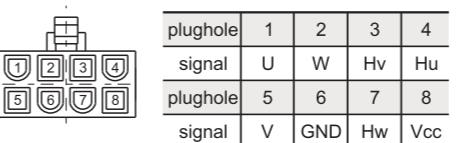
► CIRCULAR SHAFT TYPE OPTICAL MOTOR 圓軸型光電機



① Connector: 5557-8R/10R(MOLEX) ② The sheath of lead line 300mm ③ Round terminal: SRA-21T-4(Low ground)

► WIRING DIAGRAM 接線示意圖

- Low voltage wire plughole corresponding signal explanation  
低壓電機接線插孔對應信號說明



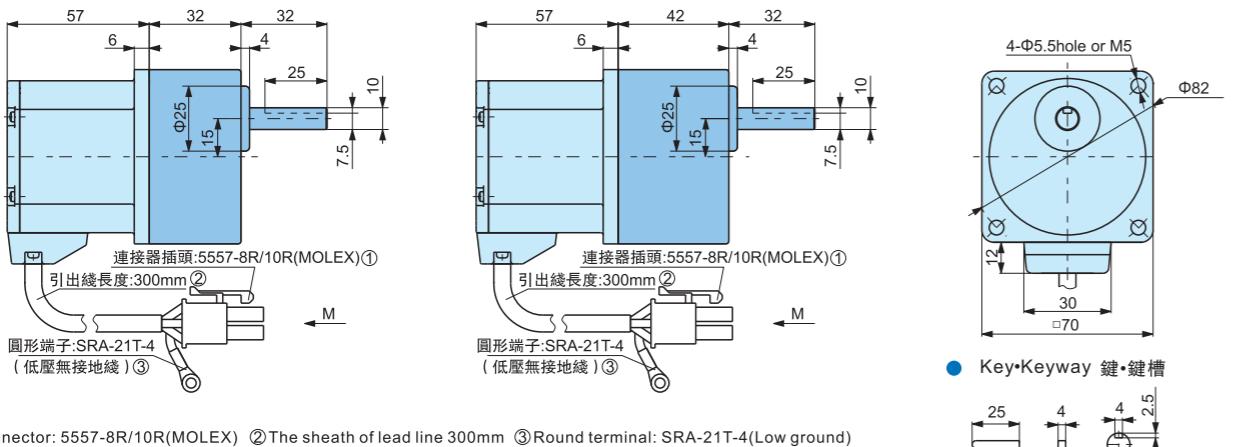
- High voltage wire plughole corresponding signal explanation  
高壓電機接線插孔對應信號說明



As technical data for these machines may be advantaged, please contact us or visit the company website. Not allow for publish without formal approved 因技術改進，實際值可能與上述參數有差異，恕不另行通知，若需具體參數，敬請諮詢本公司或瀏覽網站。

3BLD series

► PARALLEL SHAFT SPEED REDUCER 平行軸減速器



① Connector: 5557-8R/10R(MOLEX) ② The sheath of lead line 300mm ③ Round terminal: SRA-21T-4(Low ground)

● Machine Allowable Torque (Unit: N.m) 容許力矩 (單位: N.m)

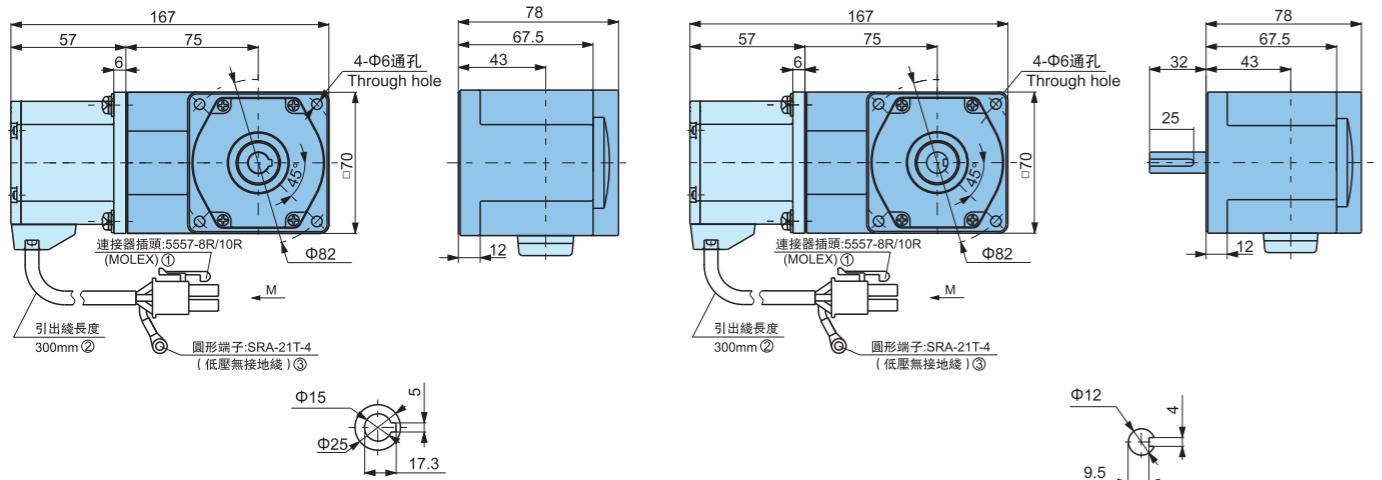
The same direction 輸出軸與電機旋轉方向相同  
 The opposite direction 輸出軸與電機旋轉方向相反

POWER 功率	Reduction Ratio 減速比	Motor Speed 電機軸轉速																								
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180	200	250	300
25W	200~1500RPM	0.30	0.36	0.50	0.60	0.75	0.91	1.00	1.26	1.51	1.81	1.81	2.27	2.72	3.26	4.52	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
	2000RPM	0.29	0.35	0.49	0.58	0.73	0.87	0.97	1.21	1.46	1.75	1.75	2.18	2.61	3.13	4.34	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
	2500RPM	0.23	0.28	0.39	0.46	0.58	0.69	0.77	0.97	1.16	1.39	1.39	1.74	2.09	2.51	3.48	4.17	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
40W	200~1500RPM	0.48	0.58	0.80	0.97	1.21	1.45	1.61	2.01	2.41	2.90	2.90	3.63	4.35	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
	2000RPM	0.47	0.56	0.78	0.93	1.16	1.40	1.55	1.94	2.33	2.79	3.10	3.48	4.17	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
	2500RPM	0.37	0.45	0.62	0.74	0.93	1.11	1.24	1.55	1.86	2.23	2.47	2.79	3.35	4.02	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00

Note: The torque under different speed and speed ratio is obtained under the HL standard.

注：不同轉速及速比下的力矩為HL標準驅動器下測試所得。

► F1 TYPE REDUCER (CONCENTRIC SQUARE FLANGE) F1系列減速器 (正方同心法蘭型)



① Connector: 5557-8R/10R(MOLEX) ② The sheath of lead line 300mm ③ Round terminal: SRA-21T-4(Low ground)

● Machine Allowable Torque (Unit: N.m) 容許力矩 (單位: N.m)

The same direction 輸出軸與電機旋轉方向相同  
 The opposite direction 輸出軸與電機旋轉方向相反

POWER 功率	Reduction Ratio 減速比	Motor Speed 電機軸轉速																							
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180	200	250
15W	200~1500RPM	0.18	0.22	0.30	0.36	0.45	0.54	0.60	0.75	0.91	1.08	1.09	1.36	1.63	1.96	2.72	2.95	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
	2000RPM	0.17	0.21	0.29	0.35	0.44	0.52	0.58	0.73	0.87	1.04	1.04	1.30	1.56	1.87	2.60	2.82	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
	2500RPM	0.14	0.17	0.23	0.28	0.35	0.42	0.46	0.58	0.70	0.84	0.84	1.05	1.25	1.51	2.09	2.27	2.83	3.00	3.00	3.00	3.00	3.00	3.00	3.00
25W	200~1500RPM	0.30	0.36	0.50	0.60	0.75	0.91	1.00	1.26	1.51	1.81	1.81	2.27	2.72	3.26	4.52	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
	2000RPM	0.29	0.35	0.49	0.58	0.73	0.87	0.97	1.21	1.46	1.75	1.75	2.18	2.61	3.13	4.34	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
	2500RPM	0.23	0.28	0.39	0.46	0.58	0.69	0.77	0.97	1.16	1.39	1.39	1.74	2.09	2.51	3.48	4.17	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00

Note: The torque under different speed and speed ratio is obtained under the HL standard.

注：不同轉速及速比下的力矩為HL標準驅動器下測試所得。

As technical data for these machines may be advantaged, please contact us or visit the company website. Not allow for publish without formal approved 因技術改進，實際值可能與上述參數有差異，恕不另行通知，若需具體參數，敬請諮詢本公司或瀏覽網站。

## Brushless DC motor 無刷直流電機 4BLD Series 系列

**4GH200K-C12**  
+4BLD60W-220VGN-30S



**4F1-S15N-300K-GN**  
+4BLD60W-24VGN-30S



**4L1-S15N-100K-GL**  
+4BLD60W-24VGL-30S

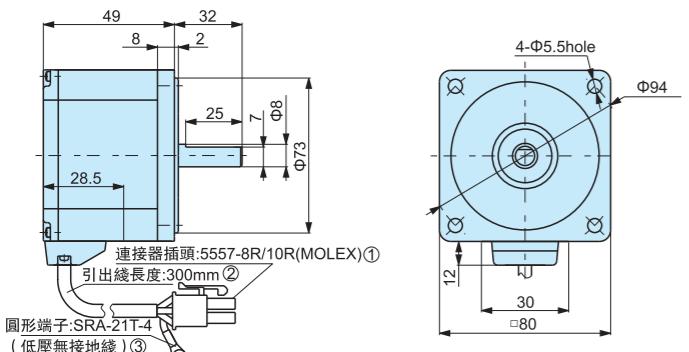


4BLD series

### ► MOTOR PERFORMANCE PARAMETERS 電機性能參數

Model 型號	Power 功率 W	Rated Voltage V	No-load parameters 空載參數		Rated parameters 額定參數			Grade protection 防護等級 IP	
			Speed 轉速 r/min	Current 電流 A	Speed 轉速 r/min	Current 電流 A	Torque 轉矩 N.m		
4BLD	4BLD40W-220VGN-30S	40	220	3800	0.15	3000	0.55	0.13	44
	4BLD40W-110VGN-30S	40	110	3800	0.2	3000	0.9	0.13	44
	4BLD40W-48VGN-30S	40	48	3800	0.25	3000	1.3	0.13	44
	4BLD40W-36VGN-30S	40	36	3800	0.4	3000	1.8	0.13	44
	4BLD40W-24VGN-30S	40	24	3800	0.5	3000	2.8	0.13	44
	4BLD60W-220VGN-30S	60	220	3800	0.2	3000	1.0	0.19	44
	4BLD60W-110VGN-30S	60	110	3800	0.35	3000	1.7	0.19	44
	4BLD60W-48VGN-30S	60	48	3800	0.4	3000	1.8	0.19	44
	4BLD60W-36VGN-30S	60	36	3800	0.5	3000	2.4	0.19	44
	4BLD60W-24VGN-30S	60	24	3800	0.75	3000	3.7	0.19	44

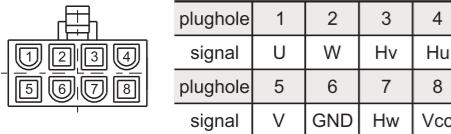
### ► CIRCULAR SHAFT TYPE OPTICAL MOTOR 圓軸型光電機



①Connector: 5557-8R/10R(MOLEX) ②The sheath of lead line 300mm ③Round terminal: SRA-21T-4(Low ground)

### ► WIRING DIAGRAM 接線示意圖

● Low voltage wire plughole corresponding signal explanation  
低壓電機接線插孔對應信號說明

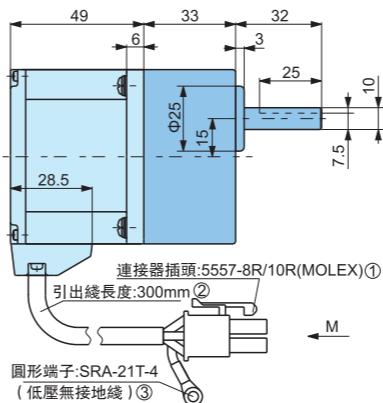


● High voltage wire plughole corresponding signal explanation  
高壓電機接線插孔對應信號說明

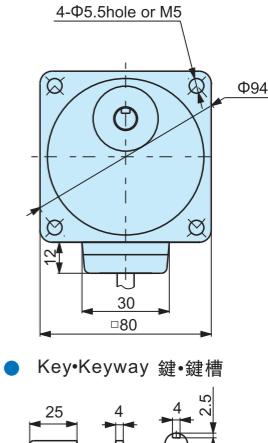
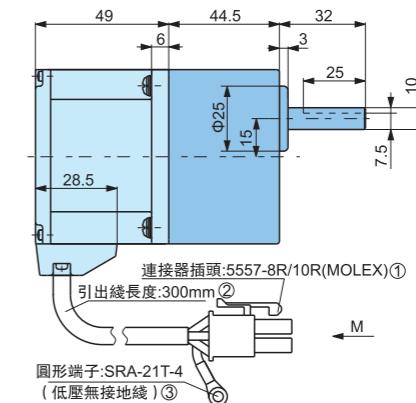


## Brushless DC motor 無刷直流電機 4BLD Series 系列

### ► PARALLEL SHAFT SPEED REDUCER 平行軸減速器



①Connector: 5557-8R/10R(MOLEX) ②The sheath of lead line 300mm ③Round terminal: SRA-21T-4(Low ground)



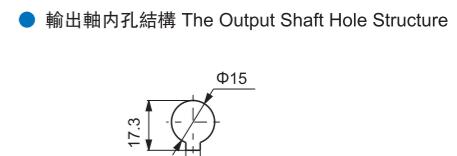
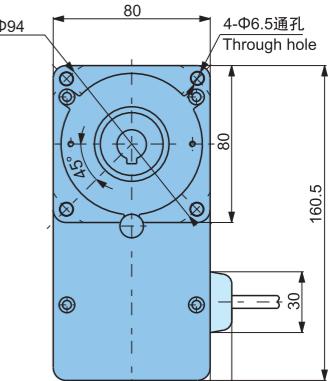
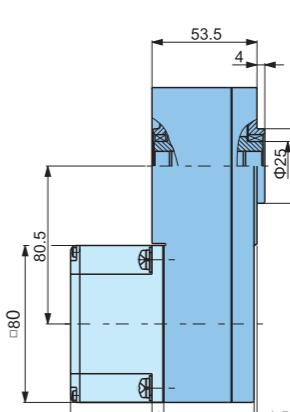
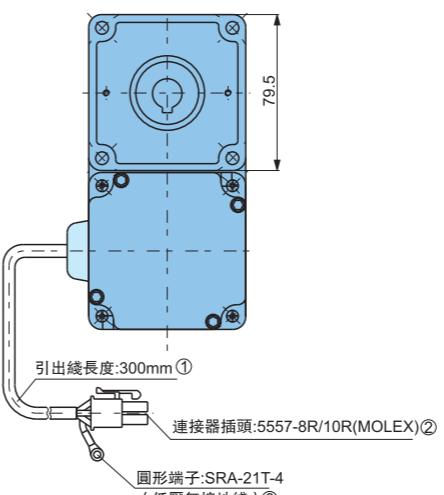
- Key•Keyway 鍵•鍵槽
- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

POWER 功率	Reduction Ratio 減速比 電機軸轉速	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180	200	250	300
		200~1500RPM	0.48	0.58	0.80	0.97	1.21	1.45	1.61	2.01	2.41	2.90	2.90	3.63	4.35	5.22	7.25	7.87	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
40W	2000RPM	0.47	0.56	0.78	0.93	1.16	1.40	1.55	1.94	2.33	2.79	3.10	3.48	4.17	5.00	6.95	7.56	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
	2500RPM	0.37	0.45	0.62	0.74	0.93	1.11	1.24	1.55	1.86	2.23	2.47	2.79	3.35	4.02	5.58	6.05	7.56	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
	200~1500RPM	0.72	0.87	1.21	1.45	1.81	2.17	2.41	3.02	3.62	4.34	4.35	5.44	6.53	7.83	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
60W	2000RPM	0.70	0.84	1.16	1.39	1.74	2.09	2.32	2.90	3.48	4.18	4.64	5.23	6.27	7.52	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
	2500RPM	0.56	0.67	0.93	1.11	1.39	1.67	1.86	2.32	2.78	3.34	3.71	4.18	5.02	6.02	6.02	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	

Note: The torque under different speed and speed ratio is obtained under the HL standard.

注：不同轉速及速比下的力矩為HL標準驅動器下測試所得。

### ► L TYPE SPEED REDUCER L型減速器



● 輸出軸內孔結構 The Output Shaft Hole Structure

①The sheath of lead line 300mm ②Connector: 5557-8R/10R(MOLEX) ③Round terminal: SRA-21T-4(Low ground)

## Brushless DC motor 無刷直流電機 4BLD Series 系列

● Machine Allowable Torque (Unit: N.m) 容許力矩 (單位: N.m)

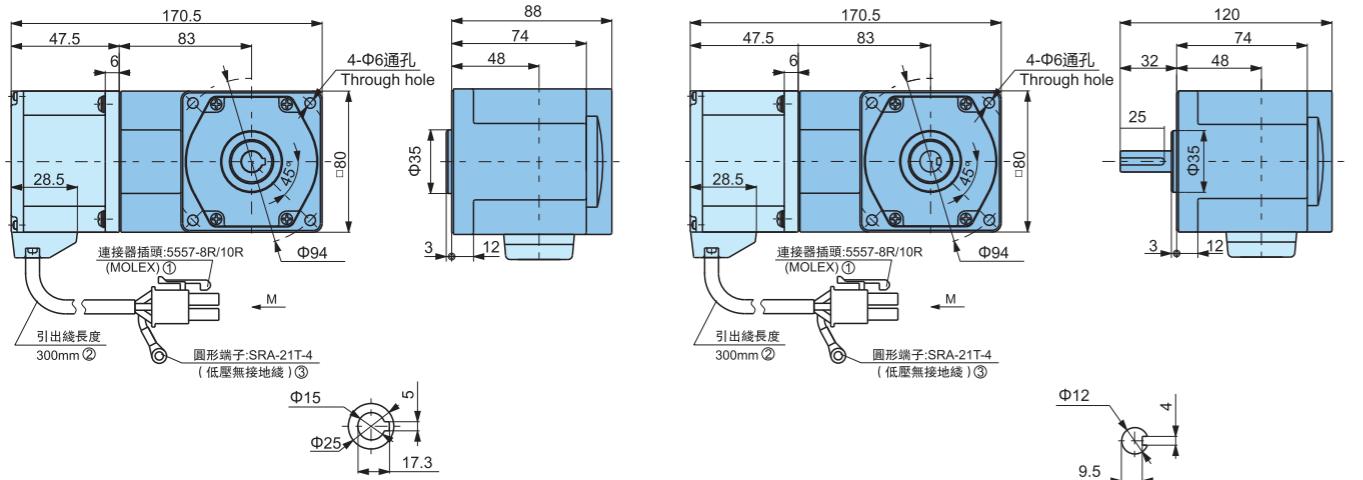
- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

POWER 功率	Reduction Ratio 減速比	Motor Speed 電機轉速							
		5	10	15	20	30	50	100	200
40W	200~1500RPM	0.73	1.45	2.18	2.90	4.35	7.25	14.5	29.0
	2000RPM	0.61	1.23	1.84	2.45	3.68	6.13	12.3	24.5
	2500RPM	0.56	1.12	1.67	2.23	3.35	5.58	11.2	22.3
60W	200~1500RPM	1.21	2.41	3.62	4.83	6.53	10.9	21.8	39.3
	2000RPM	1.02	2.04	3.06	4.08	5.52	9.20	18.4	33.3
	2500RPM	0.83	1.67	2.51	3.35	5.02	8.37	16.7	30.3

Note: The torque under different speed and speed ratio is obtained under the HL standard.

注: 不同轉速及速比下的力矩為HL標準驅動器下測試所得。

### ► F1 TYPE REDUCER (CONCENTRIC SQUARE FLANGE) F1系列減速器 (正方同心法蘭型)



①Connector: 5557-8R/10R(MOLEX) ②The sheath of lead line 300mm ③Round terminal: SRA-21T-4(Low ground)

● Machine Allowable Torque (Unit: N.m) 容許力矩 (單位: N.m)

- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

POWER 功率	Reduction Ratio 減速比	Motor Speed 電機轉速																								
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180	200	250	300
40W	200~1500RPM	0.48	0.58	0.80	0.97	1.21	1.45	1.61	2.01	2.41	2.90	2.90	3.63	4.35	5.22	7.25	7.87	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
	2000RPM	0.47	0.56	0.78	0.93	1.02	1.23	1.36	1.70	2.04	2.52	2.80	3.50	4.20	5.04	7.00	7.56	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
	2500RPM	0.37	0.45	0.62	0.74	0.83	1.00	1.12	1.39	1.67	2.01	2.23	2.79	3.35	4.02	5.58	6.05	7.56	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
60W	200~1500RPM	0.72	0.87	1.21	1.45	1.81	2.17	2.41	3.02	3.62	4.34	4.35	5.44	6.53	7.83	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
	2000RPM	0.70	0.84	1.16	1.39	1.57	1.88	2.09	2.61	3.14	3.76	4.18	5.23	6.27	7.52	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
	2500RPM	0.56	0.67	0.93	1.11	1.25	1.51	1.67	2.09	2.51	3.01	3.35	4.18	5.02	6.02	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

Note: The torque under different speed and speed ratio is obtained under the HL standard.

注: 不同轉速及速比下的力矩為HL標準驅動器下測試所得。

As technical data for these machines may be advantaged, please contact us or visit the company website. Not allow for publish without formal approved 因技術改進，實際值可能與上述參數有差異，恕不另行通知，若需具體參數，敬請諮詢本公司或瀏覽網站。

## Brushless DC motor 無刷直流電機 5BLD Series 系列

5GW30K-C15  
+5BLD400W-48VGU-30S



5F1-S17N-600K-GU  
+5BLD200W-220VGU-30S



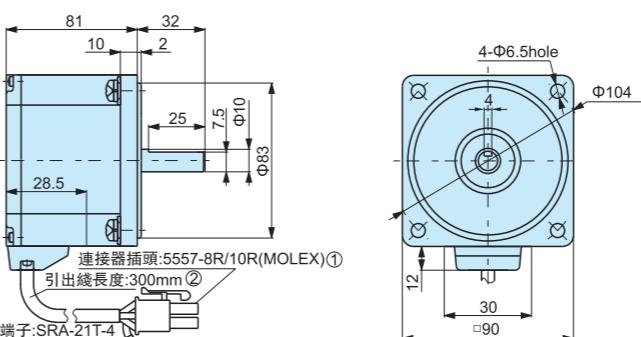
5L1-S20N-100K-GL  
+5BLD200W-24VGL-30S



### ► MOTOR PERFORMANCE PARAMETERS 電機性能參數

Model 型號	Power 功率 W	Rated Voltage 電壓 V	No-load parameters 空載參數		Rated parameters 額定參數			Grade protection 防護等級 IP
			Speed 轉速 r/min	Current 電流 A	Speed 轉速 r/min	Current 電流 A	Torque 轉矩 N.m	
5BLD120W-220VGU-30S	120	220	3800	0.25	3000	2.0	0.38	44
5BLD120W-110VGU-30S	120	110	3800	0.35	3000	3.5	0.38	44
5BLD120W-48VGU-30S	120	48	3800	0.4	3000	3.4	0.38	44
5BLD120W-36VGU-30S	120	36	3800	0.5	3000	4.5	0.38	44
5BLD120W-24VGU-30S	120	24	3800	0.7	3000	6.8	0.38	44
5BLD200W-220VGU-30S	200	220	3800	0.3	3000	2.8	0.63	44
5BLD200W-110VGU-30S	200	110	3800	0.5	3000	5.0	0.63	44
5BLD200W-48VGU-30S	200	48	3800	0.5	3000	5.2	0.63	44
5BLD200W-36VGU-30S	200	36	3800	0.7	3000	7.0	0.63	44
5BLD200W-24VGU-30S	200	24	3800	0.8	3000	10.5	0.63	44

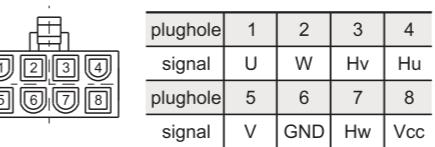
### ► CIRCULAR SHAFT TYPE OPTICAL MOTOR 圓軸型光電機



①Connector: 5557-8R/10R(MOLEX) ②The sheath of lead line 300mm ③Round terminal: SRA-21T-4(Low ground)

### ► WIRING DIAGRAM 接線示意圖

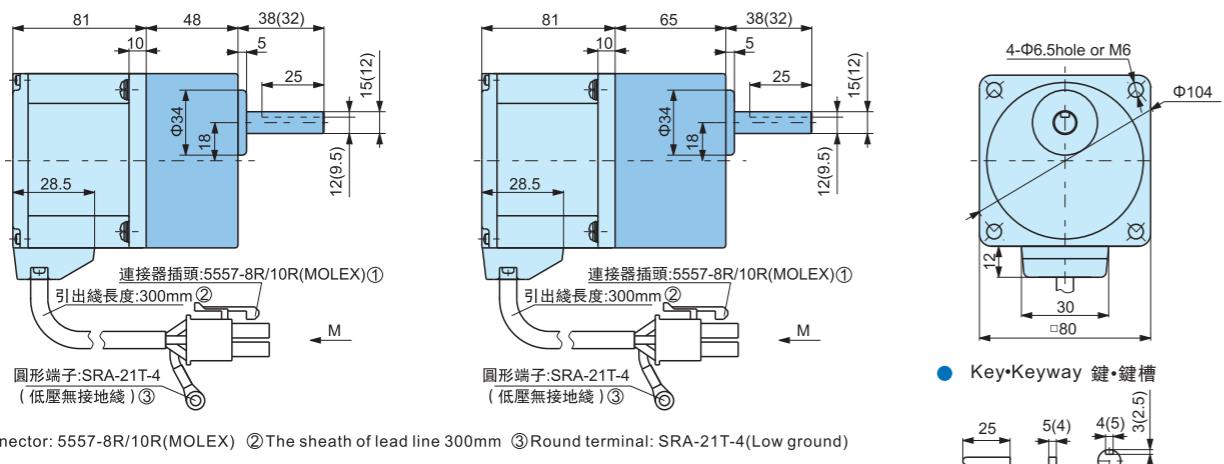
● Low voltage wire plughole corresponding signal explanation  
低壓電機接線插孔對應信號說明



● High voltage wire plughole corresponding signal explanation  
高壓電機接線插孔對應信號說明



► PARALLEL SHAFT SPEED REDUCER 平行軸減速器



①Connector: 5557-8R/10R(MOLEX) ②The sheath of lead line 300mm ③Round terminal: SRA-21T-4(Low ground)

● Machine Allowable Torque (Unit: N.m) 容許力矩 (單位: N.m)

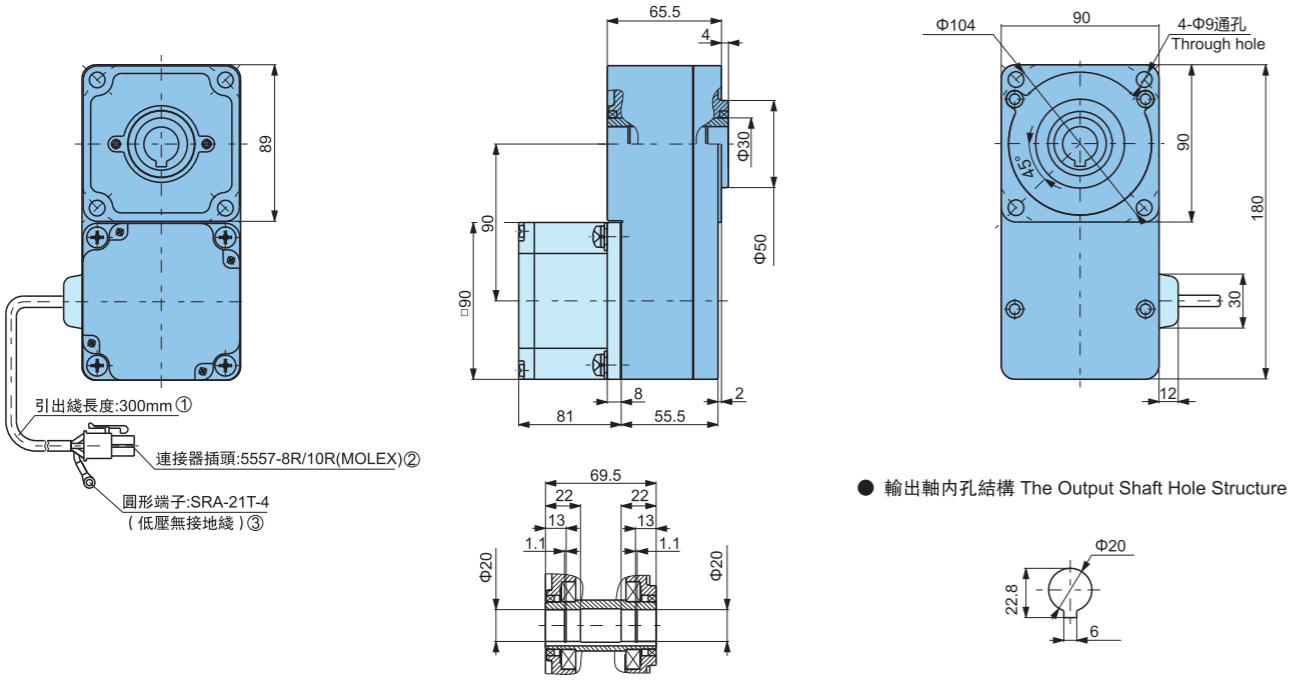
The same direction 輸出軸與電機旋轉方向相同  
 The opposite direction 輸出軸與電機旋轉方向相反

POWER 功率	Reduction Ratio Motor Speed 電機軸轉速																								
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180	200	250
120W	200~1500RPM	1.45	1.74	2.41	2.90	3.62	4.34	4.35	5.44	6.53	7.83	7.87	9.83	11.8	14.2	19.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2000RPM	1.39	1.67	2.32	2.78	3.48	4.18	4.18	5.23	6.27	7.53	7.56	9.45	11.3	13.6	18.9	7.56	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2500RPM	1.11	1.34	1.86	2.23	2.78	3.34	3.35	4.18	5.02	6.02	6.05	7.56	9.08	10.9	15.1	6.05	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
200W	200~1500RPM	2.41	2.90	4.02	4.83	6.03	7.24	8.03	9.06	10.9	13.1	14.5	16.4	19.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2000RPM	2.04	2.45	3.40	4.08	5.11	6.13	6.80	7.67	9.20	11.0	12.2	13.9	16.6	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2500RPM	1.86	2.23	3.09	3.71	4.64	5.57	6.18	6.97	8.37	10.0	11.1	12.6	15.1	18.2	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0

Note: The torque under different speed and speed ratio is obtained under the HL standard.

注: 不同轉速及速比下的力矩為HL標準驅動器下測試所得。

► L TYPE SPEED REDUCER L型減速器



①The sheath of lead line 300mm ②Connector: 5557-8R/10R(MOLEX) ③Round terminal: SRA-21T-4(Low ground)

● 輸出軸內孔結構 The Output Shaft Hole Structure

The same direction 輸出軸與電機旋轉方向相同  
 The opposite direction 輸出軸與電機旋轉方向相反

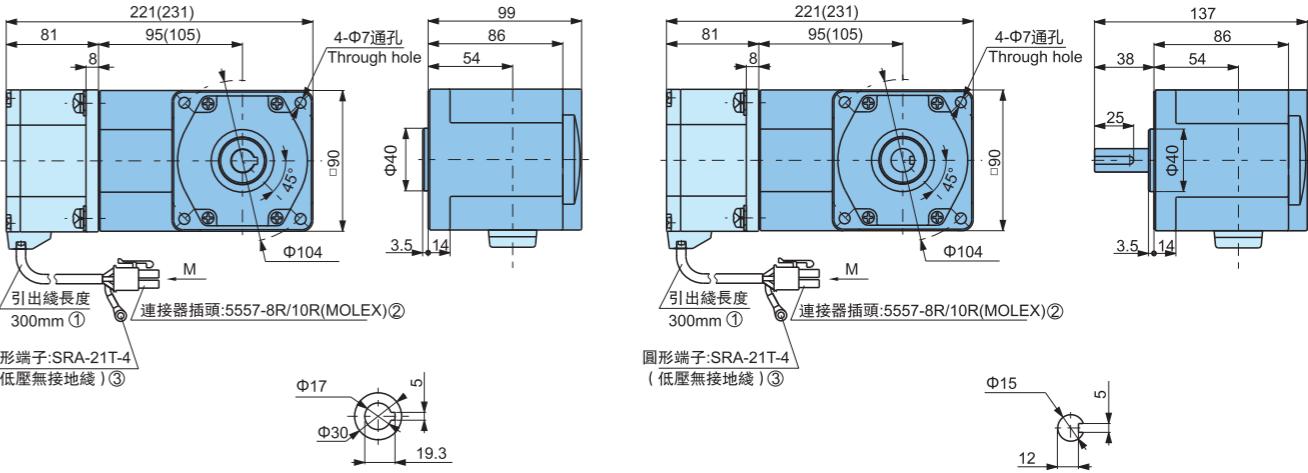
● Machine Allowable Torque (Unit: N.m) 容許力矩 (單位: N.m)

POWER 功率	Reduction Ratio Motor Speed 電機軸轉速								
		5	10	15	20	30	50	100	200
120W	200~1500RPM	2.41	4.83	7.24	9.65	13.1	21.8	43.5	68.0
	2000RPM	2.04	4.08	6.13	8.17	11.0	18.4	36.8	66.6
	2500RPM	1.67	3.35	5.02	6.69	10.0	16.7	33.5	60.5
200W	200~1500RPM	4.02	8.04	12.1	16.1	21.8	36.3	72.5	120
	2000RPM	3.40	6.81	10.2	13.6	18.4	30.7	61.3	110
	2500RPM	2.79	5.58	8.37	11.2	16.7	27.9	55.8	100

Note: The torque under different speed and speed ratio is obtained under the HL standard.

注: 不同轉速及速比下的力矩為HL標準驅動器下測試所得。

► F1 TYPE REDUCER (CONCENTRIC SQUARE FLANGE) F1系列減速器 (正方同心法蘭型)



①The sheath of lead line 300mm ②Connector: 5557-8R/10R(MOLEX) ③Round terminal: SRA-21T-4(Low ground)

● Machine Allowable Torque (Unit: N.m) 容許力矩 (單位: N.m)

POWER 功率	Reduction Ratio Motor Speed 電機軸轉速																								
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180	200	250
120W	200~1500RPM	1.45	1.74	2.41	2.90	3.62	4.34	4.35	5.44	6.53	7.83	7.87	9.83	11.8	14.2	19.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2000RPM	1.39	1.67	2.32	2.78	3.48	4.18	4.18	5.23	6.27	7.53	7.56	9.45	11.3	13.6	18.9	7.56	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2500RPM	1.11	1.34	1.86	2.23	2.78	3.34	3.35	4.18	5.02	6.02	6.05	7.56	9.08	10.9	15.1	6.05	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
200W	200~1500RPM	2.41	2.90	4.02	4.83	6.03	7.24	8.03	9.06	10.9	13.1	14.5	16.4	19.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2000RPM	2.04	2.45	3.40	4.08	5.11	6.13	6.80	7.67	9.20	11.0	12.2	13.9	16.6	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2500RPM	1.86	2.23	3.09	3.71	4.64	5.57	6																	

6GH200K-C18  
+6BLD400W-220VGU-30S



6F1-S22N-300K-GU  
+6BLD400W-48VGL-30S



6L1-S25N-100K-GL  
+6BLD400W-48VGL-30S

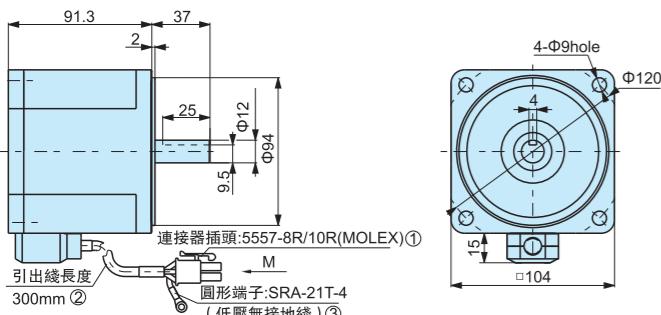


6BLD series

► MOTOR PERFORMANCE PARAMETERS 電機性能參數

Model 型號	Power 功率 W	Rated Voltage V	No-load parameters 空載參數		Rated parameters 額定參數			Grade protection 防護等級 IP	
			Speed 轉速 r/min	Current 電流 A	Speed 轉速 r/min	Current 電流 A	Torque 轉矩 N.m		
6BLD	6BLD200W-220VGU-30S	200	220	3800	0.36	3000	2.4	0.63	44
	6BLD200W-110VGU-30S	200	110	3800	0.7	3000	4.7	0.63	44
	6BLD200W-48VGU-30S	200	48	3800	0.8	3000	5.6	0.63	44
	6BLD200W-36VGU-30S	200	36	3800	1.1	3000	7.5	0.63	44
	6BLD400W-220VGU-30S	400	220	3800	0.5	3000	3.5	1.27	44
	6BLD400W-110VGU-30S	400	110	3800	1.0	3000	7.1	1.27	44
	6BLD400W-48VGU-30S	400	48	3800	1.5	3000	10.5	1.27	44

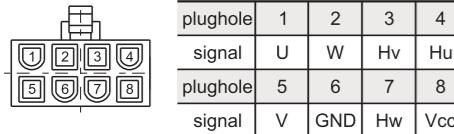
► CIRCULAR SHAFT TYPE OPTICAL MOTOR 圓軸型光電機



①Connector: 5557-8R/10R(MOLEX) ②The sheath of lead line 300mm ③Round terminal: SRA-21T-4(Low ground)

► WIRING DIAGRAM 接線示意圖

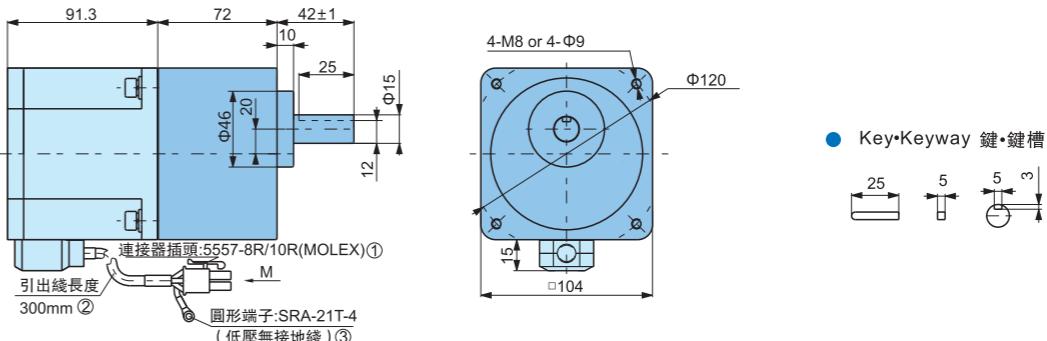
● Low voltage wire plughole corresp-onding signal explanation  
低壓電機接線插孔對應信號說明



● High voltage wire plughole corresp-onding signal explanation  
高壓電機接線插孔對應信號說明



► PARALLEL SHAFT SPEED REDUCER 平行軸減速器



①Connector: 5557-8R/10R(MOLEX) ②The sheath of lead line 300mm ③Round terminal: SRA-21T-4(Low ground)

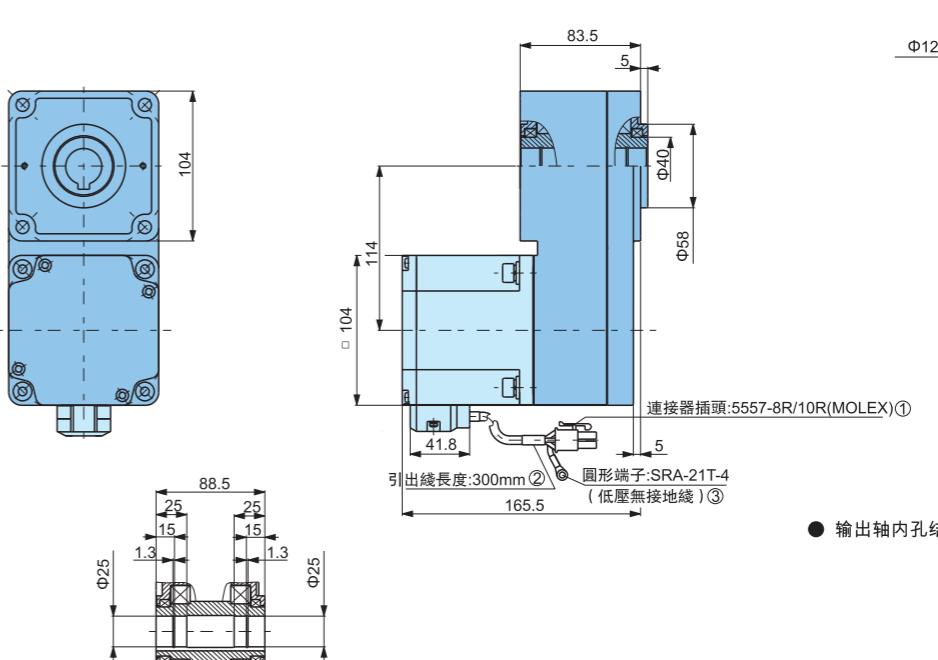
● Machine Allowable Torque (Unit: N.m) 容許力矩 (單位: N.m)

POWER 功率	Reduction Ratio 減速比 電機軸轉速	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180	200	250	300
		2000~1500RPM	2.41	2.90	4.02	4.83	6.03	7.24	8.04	9.06	10.9	13.1	14.5	16.4	19.7	23.6	32.8	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
200W	2000RPM	2.04	2.45	3.40	4.08	5.11	6.13	6.81	7.67	9.20	11.0	12.2	13.9	16.6	20.0	27.7	33.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	2500RPM	1.86	2.23	3.09	3.71	4.64	5.57	6.18	6.97	8.37	10.0	11.1	12.6	15.1	18.2	25.2	30.3	37.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	200~1500RPM	4.83	5.79	8.04	9.65	12.1	14.5	16.1	17.2	18.1	21.8	24.2	26.1	26.2	32.8	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
400W	2000RPM	4.08	4.90	6.81	9.17	10.2	12.3	13.6	14.3	15.3	18.4	20.4	22.1	22.2	27.7	33.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	2500RPM	3.71	4.46	6.19	7.42	9.28	11.1	12.3	13.1	13.9	16.7	18.5	20.1	20.2	25.2	30.3	36.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0

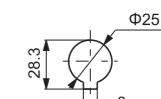
Note: The torque under different speed and speed ratio is obtained under the HL standard.

注：不同轉速及速比下的力矩為HL標準驅動器下測試所得。

► L TYPE SPEED REDUCER L型減速器



● Output shaft hole structure The Output Shaft Hole Structure



①Connector: 5557-8R/10R(MOLEX) ②The sheath of lead line 300mm ③Round terminal: SRA-21T-4(Low ground)

## Brushless DC motor 無刷直流電機 6BLD Series 系列

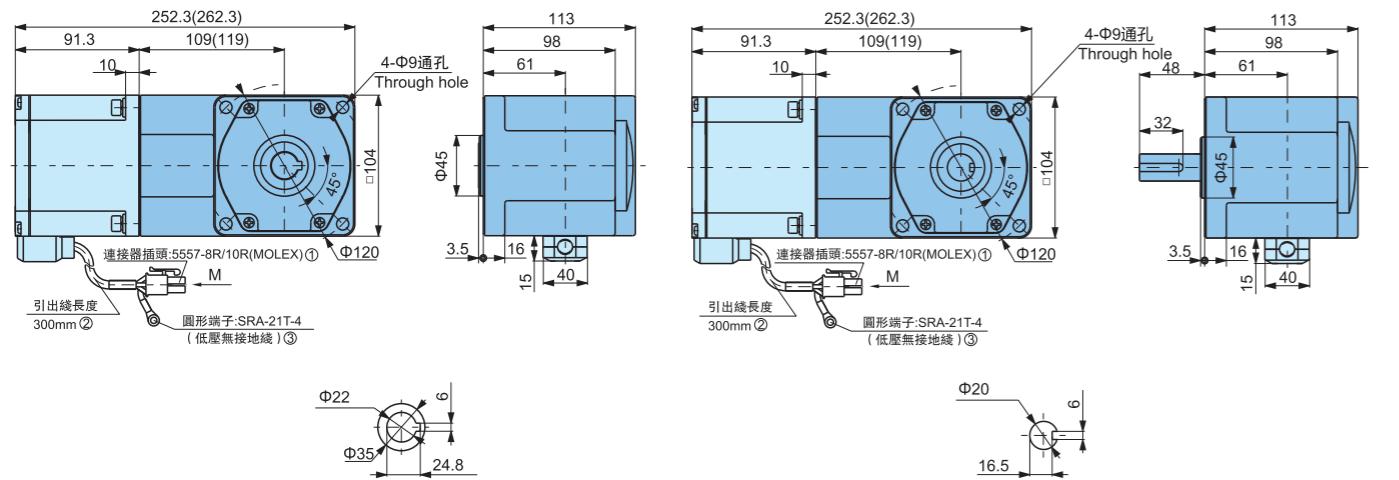
● Machine Allowable Torque (Unit: N.m) 容許力矩 (單位: N.m)

POWER 功率	Reduction Ratio 減速比	Motor Speed 電機轉速							
		5	10	15	20	30	50	100	200
200W	200~1500RPM	4.02	8.04	12.1	16.1	21.8	36.3	72.5	120
	2000RPM	3.40	6.81	10.2	13.6	18.4	30.7	61.3	110
	2500RPM	2.79	5.58	8.37	11.2	16.7	27.9	55.8	100
400W	200~1500RPM	7.25	14.5	21.8	29.0	43.5	72.5	120	120
	2000RPM	6.13	12.3	18.4	24.5	36.8	61.3	120	120
	2500RPM	5.58	11.2	16.7	22.3	33.5	55.8	112	120

Note: The torque under different speed and speed ratio is obtained under the HL standard.

注: 不同轉速及速比下的力矩為HL標準驅動器下測試所得。

► F1 TYPE REDUCER (CONCENTRIC SQUARE FLANGE) F1系列減速器 (正方同心法蘭型)



● Machine Allowable Torque (Unit: N.m) 容許力矩 (單位: N.m)

POWER 功率	Reduction Ratio 減速比	Motor Speed 電機轉速																							
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180	200	250
200W	200~1500RPM	2.41	2.90	4.02	4.83	6.03	7.24	8.03	9.06	10.9	13.1	14.5	16.4	19.7	23.6	32.8	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	2000RPM	2.04	2.45	3.40	4.08	5.23	6.27	6.96	8.71	10.5	12.6	14.0	17.4	20.9	25.1	31.5	37.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	2500RPM	1.86	2.23	3.09	3.71	4.18	5.02	5.57	6.97	8.37	10.0	11.1	13.9	16.7	20.1	25.2	30.3	37.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0
400W	200~1500RPM	4.83	5.79	8.04	9.65	12.1	14.5	16.1	17.8	18.1	21.8	24.2	26.1	26.2	32.8	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	2000RPM	4.08	4.90	6.81	9.17	10.4	12.5	13.8	17.4	20.9	25.0	27.7	34.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	2500RPM	3.71	4.46	6.19	7.42	8.37	10.0	11.1	13.9	16.7	20.1	22.3	27.8	33.5	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0

Note: The torque under different speed and speed ratio is obtained under the HL standard.

注: 不同轉速及速比下的力矩為HL標準驅動器下測試所得。

As technical data for these machines may be advantaged, please contact us or visit the company website. Not allow for publish without formal approved 因技術改進，實際值可能與上述參數有差異，恕不另行通知，若需具體參數，敬請諮詢本公司或瀏覽網站。

## Brushless DC motor 無刷直流電機 7BLD Series 系列

7GH200K-H22  
+7BLD750W-220VGU-30S



7F1-S28N-200K-GH  
+7BLD750W-220VGU-30S



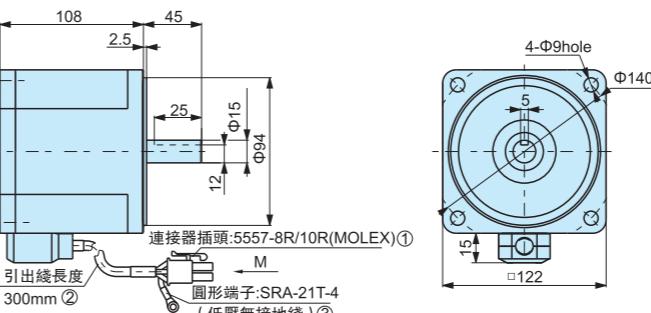
7L1-S30N-200K-GH  
+7BLD750W-220VGU-30S



► MOTOR PERFORMANCE PARAMETERS 電機性能參數

Model 型號	Power 功率 W	Rated Voltage V	No-load parameters 空載參數		Rated parameters 額定參數			Grade protection 防護等級 IP
			Speed 轉速 r/min	Current 電流 A	Speed 轉速 r/min	Current 電流 A	Torque 轉矩 N.m	
7BLD750W-220VGH-30S	750	220	3800	1.3	3000	6.8	2.39	44
7BLD750W-48VGH-30S	750	48	3800	6.6	3000	22	2.39	44
7BLD1000W-220VGH-30S	1000	220	3800	1.8	3000	8.6	3.18	44
7BLD1000W-48VGH-30S	1000	48	3800	8.8	3000	28	3.18	44

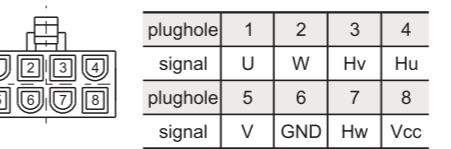
► CIRCULAR SHAFT TYPE OPTICAL MOTOR 圓軸型光電機



① Connector: 5557-8R/10R(MOLEX) ② The sheath of lead line 300mm ③ Round terminal: SRA-21T-4(Low ground)

► WIRING DIAGRAM 接線示意圖

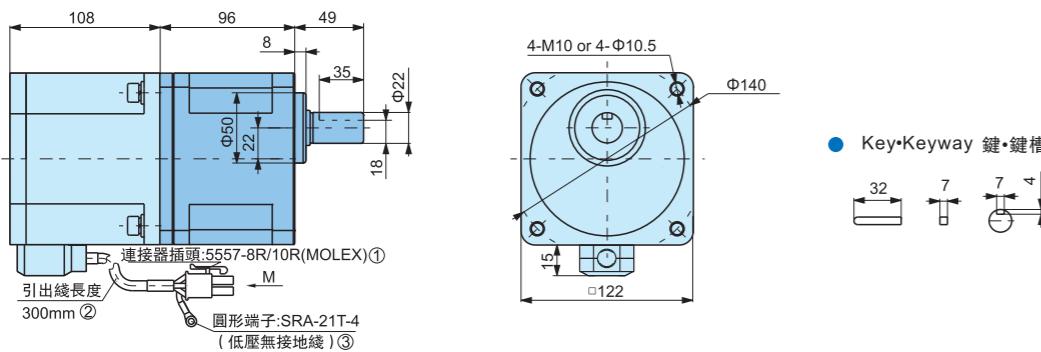
● Low voltage wire plughole corresponding signal explanation  
低壓電機接線插孔對應信號說明



● High voltage wire plughole corresponding signal explanation  
高壓電機接線插孔對應信號說明



► PARALLEL SHAFT SPEED REDUCER 平行軸減速器



①Connector: 5557-8R/10R(MOLEX) ②The sheath of lead line 300mm ③Round terminal: SRA-21T-4(Low ground)

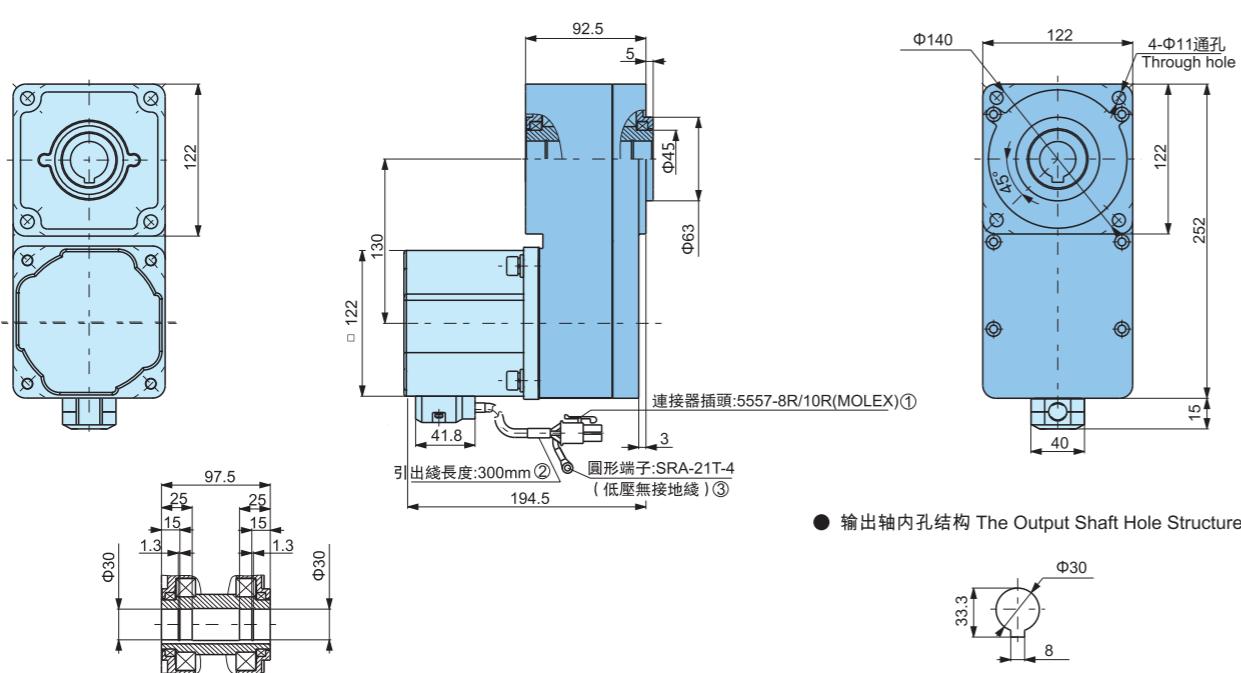
- Machine Allowable Torque (Unit: N.m) 容許力矩 (單位: N.m)
  - The same direction 輸出軸與電機旋轉方向相同
  - The opposite direction 輸出軸與電機旋轉方向相反

POWER 功率	Reduction Ratio Motor Speed 減速比 電機軸轉速	N.m																										
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180	200	250	300		
750W	200~1500RPM	8.40	10.1	14.1	16.7	21.6	25.2	28.2	35.2	42.3	50.4	56.4	66.5	79.8	95.7	130	130	130	130	130	130	130	130	130	130			
	2000RPM	7.10	8.52	11.8	14.2	17.7	24.3	23.6	29.5	35.4	48.6	47.2	56.3	67.5	81.0	112	130	130	130	130	130	130	130	130	130			
	2500RPM	6.46	7.75	10.8	12.9	16.2	19.4	21.6	27.0	32.4	43.2	43.2	51.2	61.4	73.7	102	122	130	130	130	130	130	130	130	130	130		
1000W	200~1500RPM	11.2	13.4	18.6	22.4	32.4	33.6	37.2	46.5	64.8	67.2	74.4	88.6	106	127	130	130	130	130	130	130	130	130	130	130	130	130	
	2000RPM	9.48	11.3	15.8	18.9	23.7	28.4	31.6	39.5	47.4	56.8	63.2	75.1	90.0	108	130	130	130	130	130	130	130	130	130	130	130	130	130
	2500RPM	8.62	10.3	14.4	17.2	21.6	25.8	28.8	36.0	43.2	51.6	57.6	68.2	81.8	98.1	130	130	130	130	130	130	130	130	130	130	130	130	130

Note: The torque under different speed and speed ratio is obtained under the HL standard.

注: 不同轉速及速比下的力矩為HL標準驅動器下測試所得。

► L TYPE SPEED REDUCER L型減速器



①Connector: 5557-8R/10R(MOLEX) ②The sheath of lead line 300mm ③Round terminal: SRA-21T-4(Low ground)

- Machine Allowable Torque (Unit: N.m) 容許力矩 (單位: N.m)
  - The same direction 輸出軸與電機旋轉方向相同
  - The opposite direction 輸出軸與電機旋轉方向相反

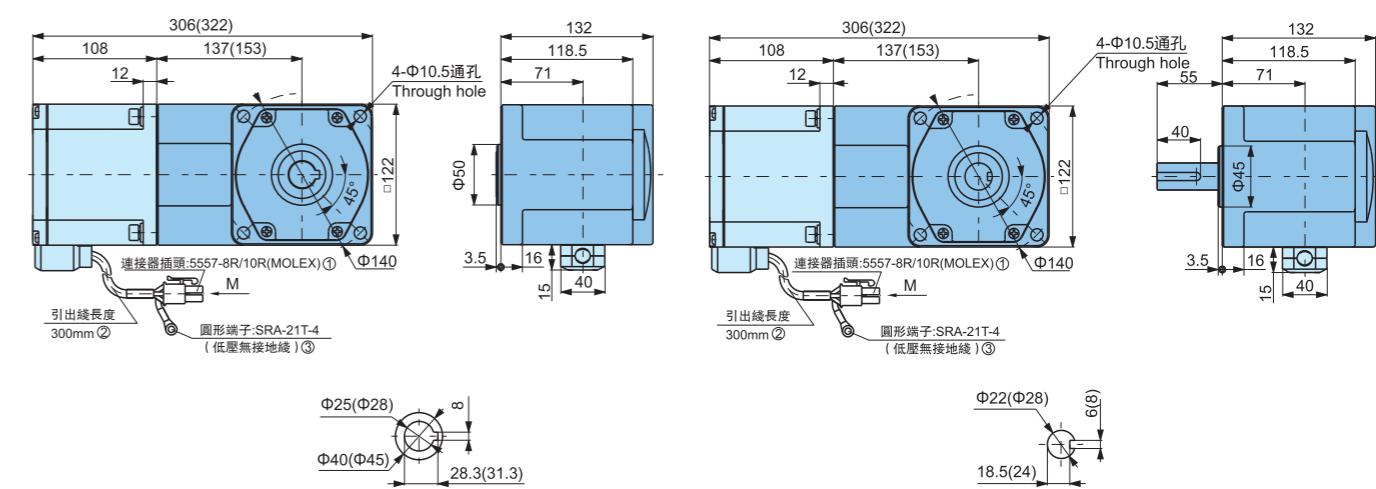
- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

POWER 功率	Reduction Ratio Motor Speed 減速比 電機軸轉速	N.m							
		5	10	15	20	30	50	100	200
750W	200~1500RPM	13.4	26.8	40.2	53.6	80.4	130	130	130
	2000RPM	11.3	22.6	33.9	45.2	67.8	113	130	130
	2500RPM	10.3	20.6	30.9	41.2	61.8	103	130	130
	200~1500RPM	17.6	35.2	52.8	70.4	105	130	130	130
	2000RPM	15.1	30.2	45.3	60.4	90.6	130	130	130
	2500RPM	13.7	27.4	41.1	54.8	82.2	130	130	130
1000W	200~1500RPM	17.6	35.2	52.8	70.4	105	130	130	130
	2000RPM	15.1	30.2	45.3	60.4	90.6	130	130	130
	2500RPM	13.7	27.4	41.1	54.8	82.2	130	130	130

Note: The torque under different speed and speed ratio is obtained under the HL standard.

注: 不同轉速及速比下的力矩為HL標準驅動器下測試所得。

► F1 TYPE REDUCER (CONCENTRIC SQUARE FLANGE) F1系列減速器 (正方同心法蘭型)



- Machine Allowable Torque (Unit: N.m) 容許力矩 (單位: N.m)
  - The same direction 輸出軸與電機旋轉方向相同
  - The opposite direction 輸出軸與電機旋轉方向相反

- The same direction 輸出軸與電機旋轉方向相同
- The opposite direction 輸出軸與電機旋轉方向相反

POWER 功率	Reduction Ratio Motor Speed 減速比 電機軸轉速	N.m												N.m															
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180	200	250	300			
750W	200~1500RPM	8.40	10.1	14.1	16.7	21.6	25.2	28.2	35.2	42.3	50.4	56.4	66.5	79.8	95.7	130	130	130	130	130	130	130	130	130	130	130			
	2000RPM	7.10	8.52	11.8	14.2	17.7	24.3	23.6	29.5	35.4	48.6	47.2	56.3	67.5	81.0	112	130	130	130	130	130	130	130	130	130	130	130		
	2500RPM	6.46	7.75	10.8	12.9	16.2	19.4	21.6	27.0	32.4	43.2	43.2	51.2	61.4	73.7	102	122	130	130	130	130	130	130	130	130	130	130	130	
	200~1500RPM	11.2	13.4	18.6	22.4	32.4	33.6	37.2	46.5	64.8	67.2	74.4	88.6	106	127	130	130	130	130	130	130	130	130	130	130	130	130	130	
	2000RPM	9.48	11.3	15.8	18.9	23.7	28.4	31.6	39.5	47.4	56.8	63.2	75.1	90.0	108	130	130	130	130	130	130	130	130	130	130	130	130	130	130
	2500RPM	8.62	10.3	14.4	17.2	21.6	25.8	28																					

# BRUSHLESS MOTOR CONTROLLER

## 無刷電機控制器



BLD-H10-LD



BLD-H05-HD



BLD-H20-120LR



BLD-H20-400LR



BLD-H20-800LR



BLD-H20-400HR

共同引領世界  
Drive the world together

► DESCRIPTION OF MODEL 型號說明

**BLD - H20 - 120 L D**

1	For motor type 適配電機類型	BLD: For brushless DC motor 適配無刷直流電機
2	Series NO. 系列號	H05:H05 series H05系列 H10:H10 series H10系列 H20:H20 series H20系列
3	Motor power 適配電機功率	40: 40W 60: 60W 120: 120W 250: 250W 400: 400W x: x W
4	Input voltage 輸入電壓	L: DC24V~48V 低壓DC24V~48V L1: DC12V L2: DC24V L3: DC36V L4: DC48V H: AC220V 高壓AC220V
5	Attributes 屬性	D: Digital display 帶數字顯示 R: With 485 communication 帶485通訊 C: With the CAN communication 帶CAN通訊 X: 帶擴展功能

► CHARACTERISTIC 特點

- Digital display 數字顯示  
Adopt 4 bit digital tube display: running status, setting speed, running speed, fault indication.  
采用新型高壓功率模塊控制技術，功能齊全，性能優越。
- Steady speed operation 穩速運行  
Adopt speed closed-loop control ( control accuracy ± 0.5% )  
采用速度閉環控制（控制精度±0.5%）
- In-out 輸入輸出  
2 sets of NPN type fully isolated digital input interface( forward and reverse ), 1 set of open leakage type digital output interface( fault output )  
2組NPN型全隔離數字輸入接口（正轉和反轉），1組開漏型數字輸出接口（故障輸出）
- Speed setting 速度給定  
Through the panel knob to set the running speed, convenient and fast.  
通過面板旋鈕設定運行速度，方便快捷。
- Perfect fault detection and protection functions 完善的故障檢測及保護功能  
Undervoltage, overvoltage, overcurrent, overload, blocking, short circuit, phase loss, overtemperature and other fault detection. After the fault occurs, the driver takes protective actions according to the fault type. The fault information can be displayed on the digital tube.  
欠壓、過壓、過流、過載、堵轉、短路、缺相、過溫等多種故障檢測。故障發生後，驅動器根據故障類型進行相應的保護動作，故障信息可通過數碼管進行顯示。

► NOTE 注意事項

- Before power on , be sure to ground the motor and controller.  
通電使用前必須保證驅動器及電機接地綫接地良好。
- Put the control in good heat dispersion and low interference environment.  
驅動器應置于散熱性能好，外在幹擾小的工作場所。
- Working ambient temperature -10°C~+50°C.  
驅動器使用環境溫度 -10°C~+50°C。
- Protection grade IP00 , avoid scrap iron. Humidity lower than 80%, no freezing and frosting.  
驅動器防護等級 IP00，不得工作于有鐵質等導體碎屑、潮濕等不良存在的場所；空氣相對濕度不大于 80%，五結冰及凝露。

As technical data for these machines may be advantaged, please contact us or visit the company website. Not allow for publish without formal approved 因技術改進，實際值可能與上述參數有差異，恕不另行通知，若需具體參數，敬請諮詢本公司或瀏覽網站。

BRUSHLESS MOTOR CONTROLLER 無刷電機控制器



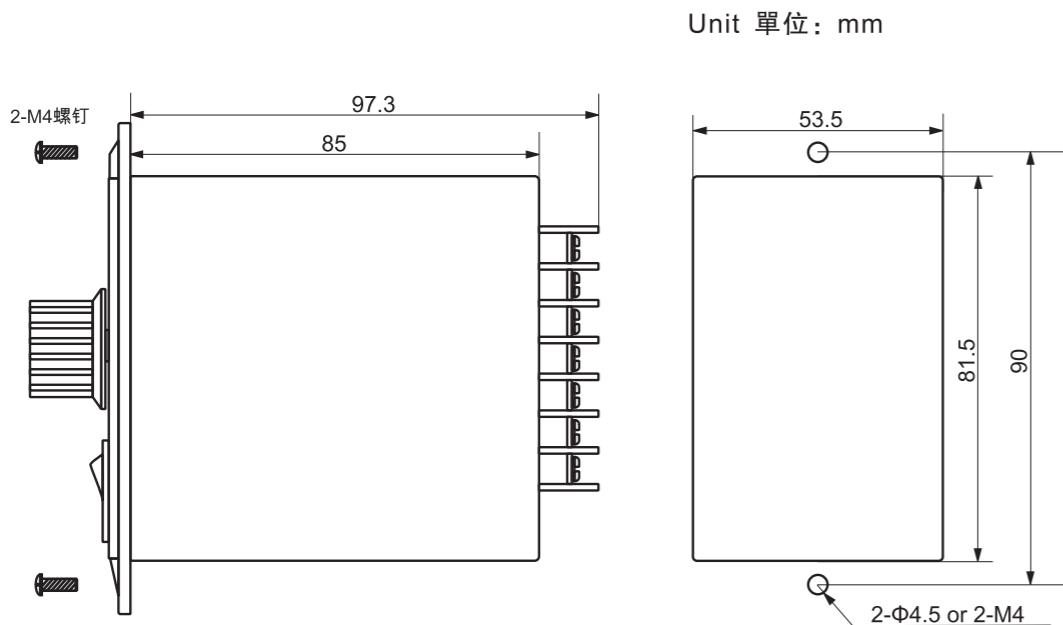
BLD-H05-HD



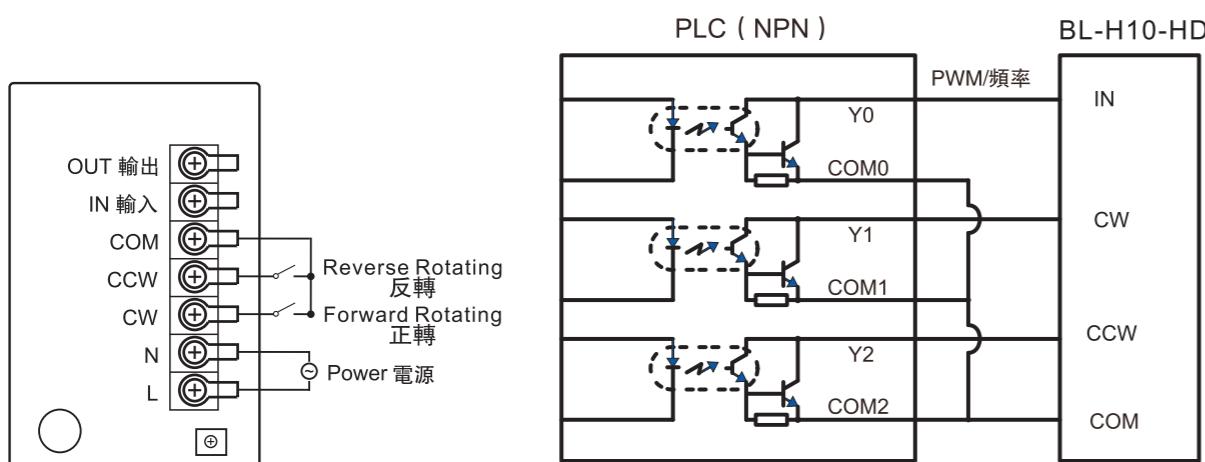
BLD-H05-H

Brushless motor controller

► FRAME SIZE 外形尺寸

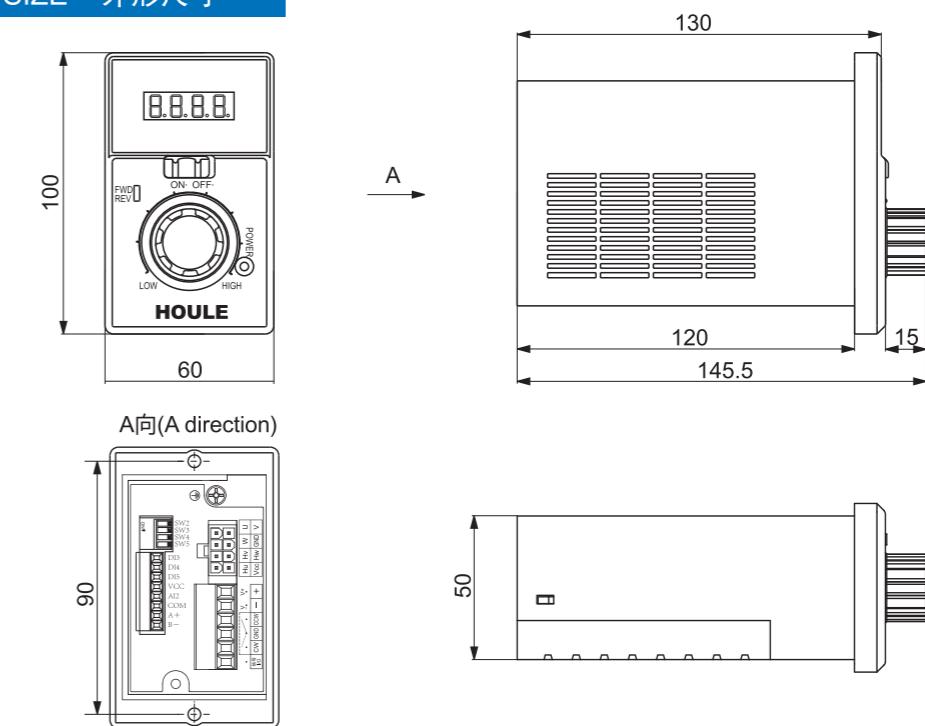


► CONNECTION AND OPERATION 連接運行

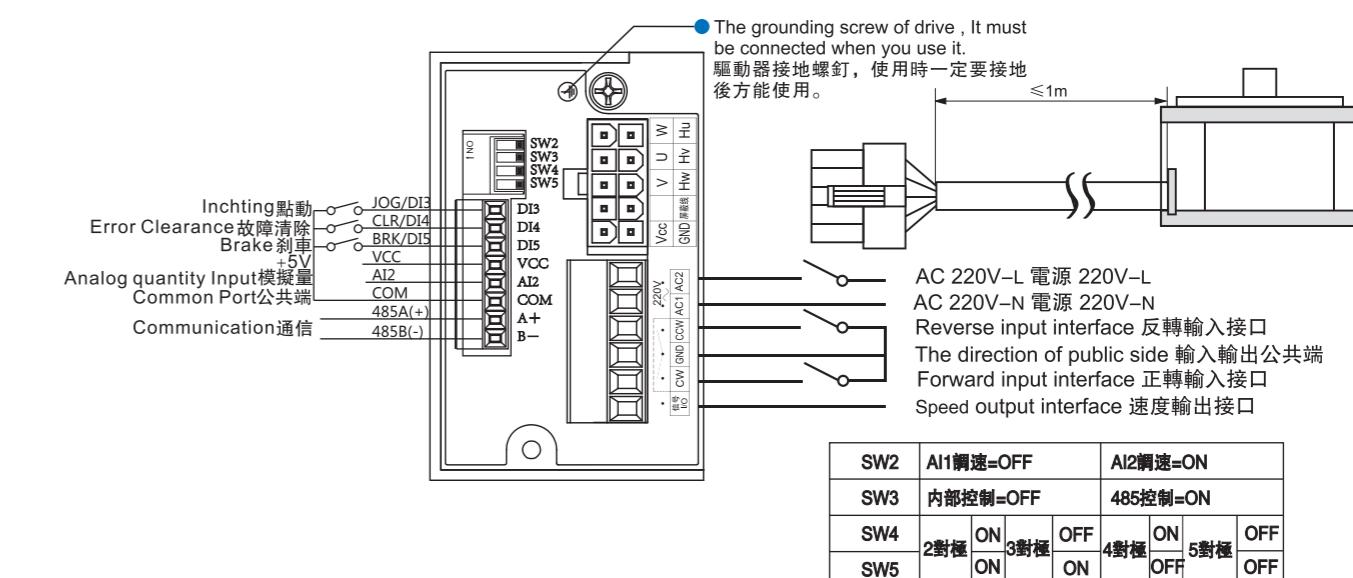


BLD-H10-HDX

► FRAME SIZE 外形尺寸



► CONNECTION AND OPERATION 連接運行

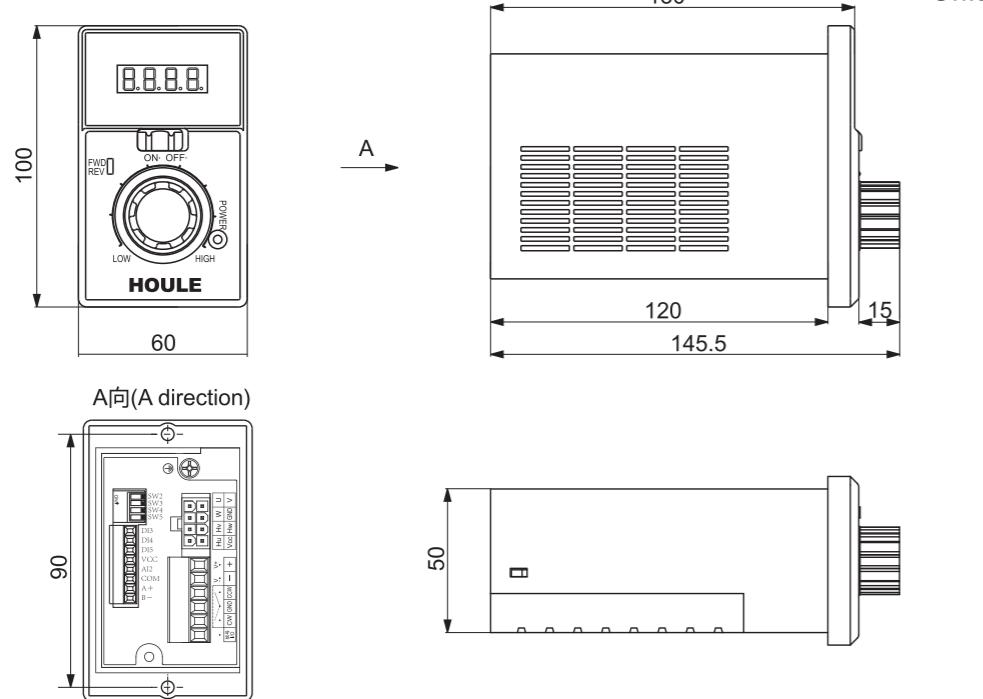


## BRUSHLESS MOTOR CONTROLLER 無刷電機控制器

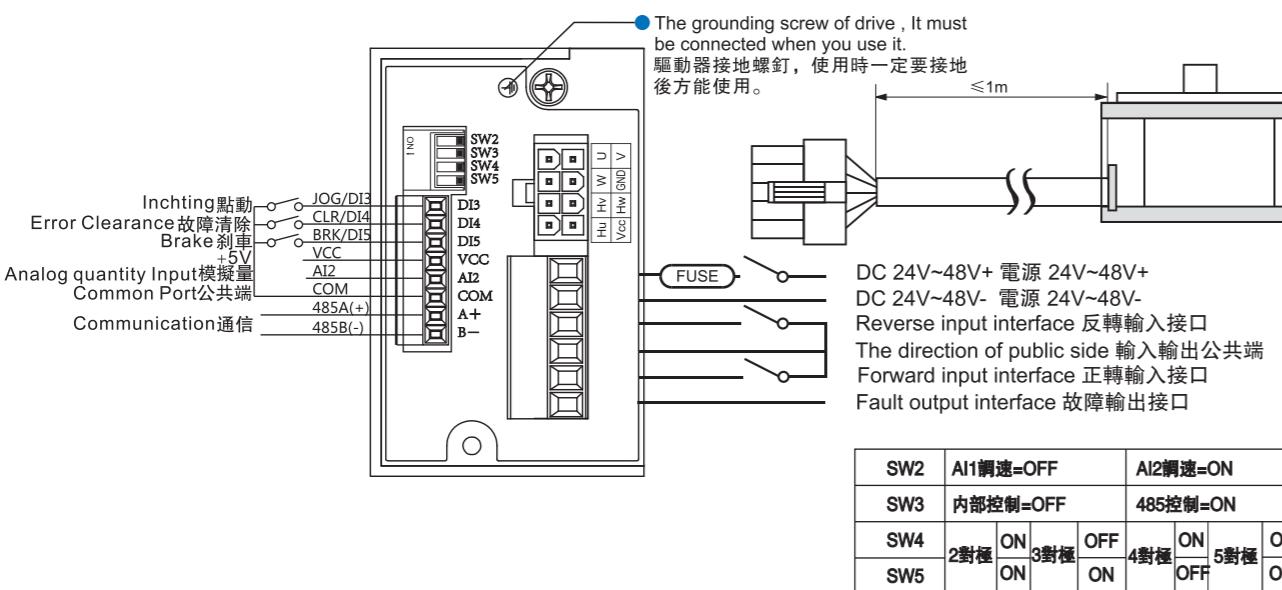


BLD-H10-LDX

## ▶ FRAME SIZE 外形尺寸



## ▶ CONNECTION AND OPERATION 連接運行


 BRUSHLESS MOTOR CONTROLLER  
無刷電機控制器


BLD-H20-120LR

## ▶ CHARACTERISTICS 功能特點

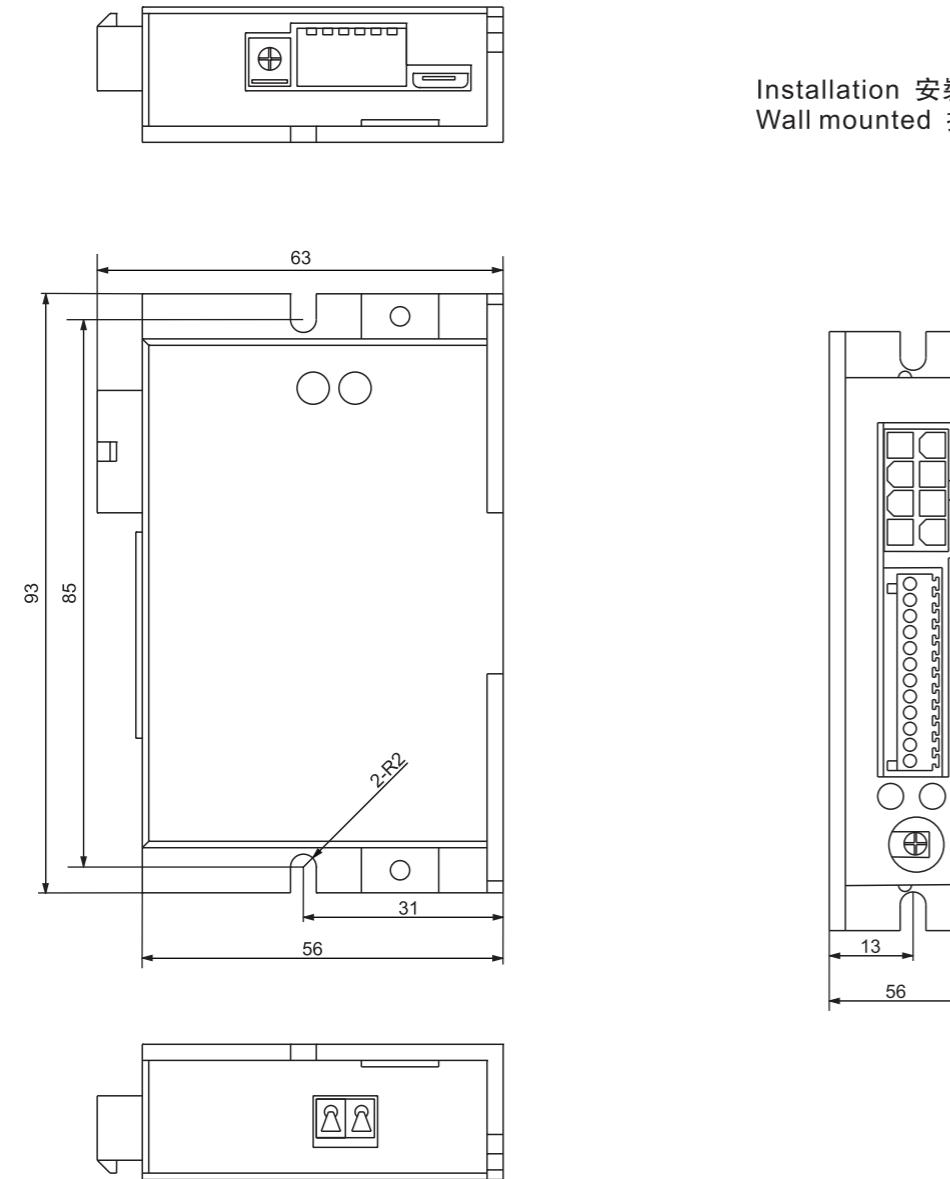
- Compact suitable for limited space: 93mm\*50mm\*21mm  
超小體積93mm\*50mm\*21mm 適合緊湊空間安裝
- Voltage&Current : Input voltage 24V(±20%), output current 7.5A(adjustable via keyboard)  
電壓電流: 24V (± 20%) 电压输入，7.5A电流输出 (可通過鍵盤調整)
- Multiple operation modes : open loop / closed loop (control precision ± 0.5% )  
多種運行方式: 開環、閉環 ( 控制精度 ± 0.5% )
- Command Setting: Multi-function input terminal control(NPN input)485 standard Modbus RTU communication control External keyboard control  
多種命令給定: 多功能輸入端子控制 (支持NPN、PNP輸入)；485標準Modbus RTU通訊控制；外置鍵盤控制。
- Multiple speed given : internal rotary knob ; external analog voltage or PWM (0~5V/10V) ; communication given ; keyboard given ; multi-stage speed ; simple PLC control.  
多種速度給定：內置旋鈕、外部模擬電壓或PWM(0~5V/10V)、通訊給定、鍵盤給定、多段速度、簡易PLC控制。
- Speed control : 0.3s~10s , controlled by rotary knob , communication or keyboard.  
加/減速控制: 0.3~10s 可通過旋鈕調節、通訊調節和鍵盤調節。
- Electronic brake : fast electromagnetic braking.  
電子剎車功能：實現快速電磁制動
- Multi-function input interface : 5 digital input ( NPN ), user can customize multiple function inputs by keyboard such as forward, reverse, stop, electronic brake, multi-stage speed.  
多機能輸入接口：5個數字量輸入 ( NPN )，用戶可通過鍵盤自定義為：正轉、反轉、點動、自由停止、電子剎車、多段速度等多種功能輸入。
- Multi-function output interface : 2 digital output (open collector output), user can customize multiple function outputs by keyboard such as running, failure, speed output, overload warning, virtual terminal output.  
多機能輸出接口：2個數字量輸出 (開路集電極輸出) 用戶可通過鍵盤自定義為：運行中、故障、速度輸出、過載預警、虛擬端子輸出等多種功能輸出。
- Fault detection and protect function : multiple fault detect such as undervoltage, overvoltage, overcurrent, overload, locked-rotor, short circuit, phase loss; the actuator takes protection actions according to different fault, fault messages will show by LED light or keyboard.  
完善的故障檢測及保護功能：欠壓、過壓、過流、過載、堵轉、短路、缺相等多種故障檢測，故障發生後，驅動器根據故障類型進行相應的保護動作，故障信息可通過LED燈或鍵盤進行顯示。

## ▶ NOTE 注意事項

- Please do not use in environment that is explosive, corrosive, full of combustible gas, near water or inflammable goods, in order to prevent fire, explosion and injured.  
請勿在爆炸環境、可燃性氣體環境、腐蝕性環境、接觸水的場所、可燃物旁使用。以防發生爆炸、受傷、火灾！

► FRAME SIZE 外形尺寸

Unit 單位: mm



Installation 安裝方式  
Wall mounted 挂壁式安裝

BRUSHLESS MOTOR CONTROLLER  
無刷電機控制器



BLD-H20-400LR

► CHARACTERISTICS 功能特點

- Wide input voltage : 24V~48V  
寬電壓輸入: 24V~48V
- Wide output current : 3.0A~15A , Adjustable output by rotary knob.  
寬電流輸出: 3.0A~15A 可通過旋鈕調節限流輸出值
- Multiple operation modes : open loop / closed loop (control precision  $\pm 0.5\%$  )  
多種運行方式: 開環、閉環 ( 控制精度  $\pm 0.5\%$  )
- Multiple command given : Multi-function input terminal (support NPN and PNP input) ; 485 Modbus RTU ; Keyboard control.  
多種命令給定: 多功能輸入端子控制 ( 支持NPN、PNP輸入 ) ； 485標準Modbus RTU通訊控制；外置鍵盤控制。
- Multiple speed given : internal rotary knob ; external analog voltage or PWM (0~5V) ; communication given ; keyboard given ; multi-stage speed ; simple PLC control.  
多種速度給定: 內置旋鈕、外部模擬電壓或PWM(0~5V)、通訊給定、鍵盤給定、多段速度、簡易PLC控制。
- Speed control : 0.3s~10s , controlled by rotary knob , communication or keyboard.  
加/減速控制: 0.3~10s 可通過旋鈕調節、通訊調節和鍵盤調節。
- Electronic brake : fast electromagnetic braking.  
電子剎車功能: 實現快速電磁制動
- Multi-function input interface : 5 digital input (support NPN and PNP), user can customize multiple function inputs by keyboard such as forward, reverse, stop, electronic brake, multi-stage speed.  
多機能輸入接口: 5個數字量輸入 ( 支持NPN和PNP ) ，用戶可通過鍵盤自定義為：正轉、反轉、點動、自由停止、電子剎車、多段速度等多種功能輸入。
- Multi-function output interface : 2 digital output (open collector output), user can customize multiple function outputs by keyboard such as running, failure, speed output, overload warning, virtual terminal output.  
多機能輸出接口: 2個數字量輸出 ( 開路集電極輸出 ) 用戶可通過鍵盤自定義為：運行中、故障、速度輸出、過載預警、虛擬端子輸出等多種功能輸出。
- Fault detection and protect function : multiple fault detect such as undervoltage, overvoltage, overcurrent, overload, locked-rotor, short circuit, phase loss; the actuator takes protection actions according to different fault, fault messages will show by LED light or keyboard.  
完善的故障檢測及保護功能: 欠壓、過壓、過流、過載、堵轉、短路、缺相等多種故障檢測，故障發生後，驅動器根據故障類型進行相應的保護動作，故障信息可通過LED燈或鍵盤進行顯示。

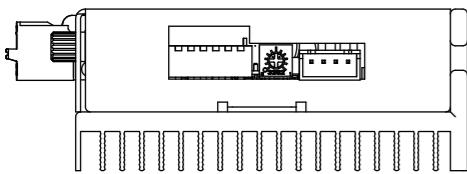
► ENVIRONMENT REQUIREMENT 環境要求

Environment temperature 環境溫度	-10°C~+40°C (no coagulation) -10°C~+40°C (無結霜)
Environment humidity 環境濕度	less than 85% (no condensing) 85% 以下 (無結露)
Altitude 海拔高度	No more than 1000 meters 1000 米以下
Environment shock 環境振動	Not apply continuous vibration or excessive shock 不施加連續振動或過度衝擊
Protect level 保護等級	IP20 IP20

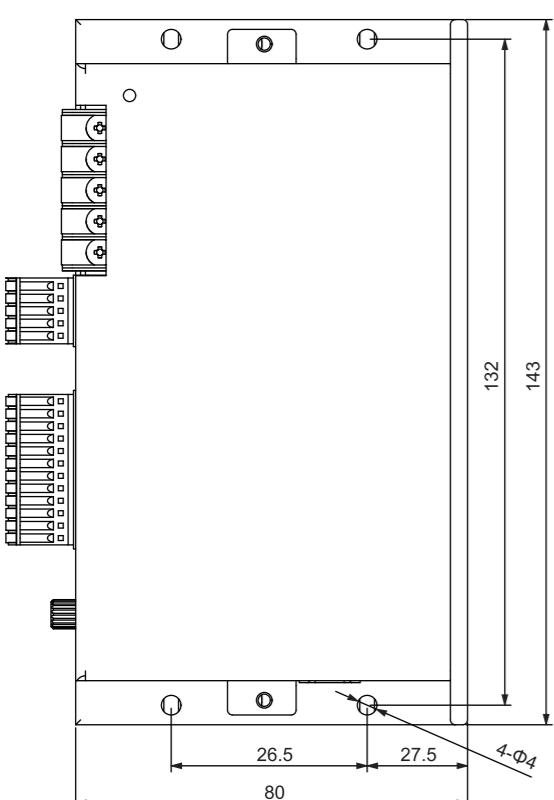
► NOTE 注意事項

- Please do not use in environment that is explosive, corrosive, ful of combustible gas, near water or inflammable goods, in order to prevent fire, explosion and injured.  
請勿在爆炸環境、可燃性氣體環境、腐蝕性環境、接觸水的場所、可燃物旁使用。以防發生爆炸、受傷、火灾！

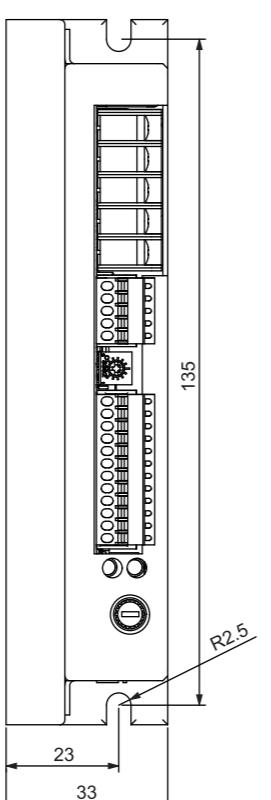
► FRAME SIZE 外形尺寸



Unit 單位: mm



Installation 安裝方式  
Wall mounted 挂壁式安裝



► ENVIRONMENT REQUIREMENT 環境要求

Environment temperature 環境溫度	-10°C~+40°C (no coagulation) -10°C~+40°C (無結霜)
Environment humidity 環境濕度	less than 85% (no condensing) 85% 以下 (無結露)
Altitude 海拔高度	No more than 1000 meters 1000 米以下
Environment shock 環境振動	Not apply continuous vibration or excessive shock 不施加連續振動或過度衝擊
Protect level 保護等級	IP20 IP20

BRUSHLESS MOTOR CONTROLLER  
無刷電機控制器



BLD-H20-800LRC

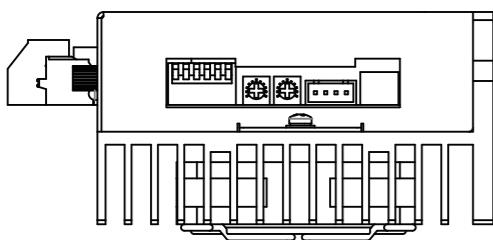
► CHARACTERISTICS 功能特點

- Wide input voltage : 24V~48V  
寬電壓輸入: 24V~48V
- Wide output current : 3.0A~27A , Adjustable output by rotary knob.  
寬電流輸出: 3.0A~27A 可通過旋鈕調節限流輸出值
- Multiple operation modes : open loop / closed loop (control precision ± 0.5%)  
多種運行方式: 開環、閉環 (控制精度 ± 0.5%)
- Multiple command given : Multi-function input terminal (support NPN and PNP input) ; 485 Modbus RTU, CAN Modbus, CANopen communication control ; external Keyboard control.  
多種命令給定: 多功能輸入端子控制 (支持NPN、PNP輸入)；485標準Modbus RTU、CAN Modbus、CANopen通訊控制；外置鍵盤控制。
- Multiple speed given : internal rotary knob ; external analog voltage or PWM (0~5V) ; high-speed pulse HDI ; communication given ; keyboard given ; multi-stage speed ; simple PLC control.  
多種速度給定: 內置旋鈕、外部模擬電壓或PWM(0~5V)、高速脈衝HDI、通訊給定、鍵盤給定、多段速度、簡易PLC控制。
- Speed control : 0.3s~10s , controlled by rotary knob , communication or keyboard.  
加/減速控制: 0.3~10s 可通過旋鈕調節、通訊調節和鍵盤調節。
- Electronic brake : fast electromagnetic braking.  
電子剎車功能: 實現快速電磁制動
- Multi-function input interface : 5 digital input (support NPN and PNP), user can customize multiple function inputs by keyboard such as forward, reverse, stop, electronic brake, multi-stage speed.  
多功能輸入接口: 5個數字量輸入 (支持NPN和PNP)，用戶可通過鍵盤自定義為：正轉、反轉、點動、自由停止、電子剎車、多段速度等多種功能輸入。
- Multi-function output interface : 2 digital output (open collector output), user can customize multiple function outputs by keyboard such as running, failure, speed output, overload warning, virtual terminal output.  
多功能輸出接口: 2個數字量輸出 (開路集電極輸出) 用戶可通過鍵盤自定義為：運行中、故障、速度輸出、過載預警、虛擬端子輸出等多種功能輸出。
- Fault detection and protect function : multiple fault detect such as undervoltage, overvoltage, overcurrent, overload, locked-rotor, short circuit, phase loss; the actuator takes protection actions according to different fault, fault messages will show by LED light or keyboard.  
完善的故障檢測及保護功能: 欠壓、過壓、過流、過載、堵轉、短路、缺相等多種故障檢測，故障發生後，驅動器根據故障類型進行相應的保護動作，故障信息可通過LED燈或鍵盤進行顯示。

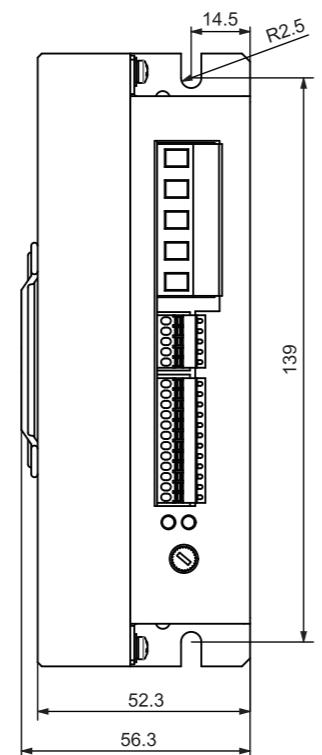
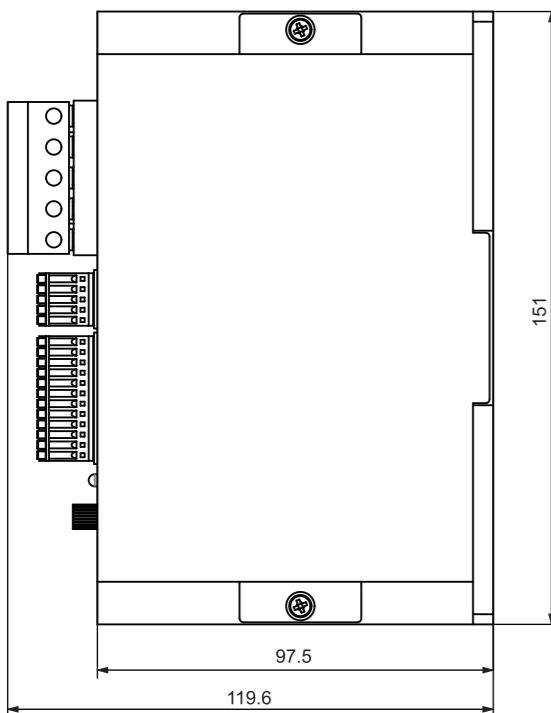
► NOTE 注意事項

- Please do not use in environment that is explosive, corrosive, full of combustible gas, near water or inflammable goods, in order to prevent fire, explosion and injured.  
請勿在爆炸環境、可燃性氣體環境、腐蝕性環境、接觸水的場所、可燃物旁使用。以防發生爆炸、受傷、火灾！

## ► FRAME SIZE 外形尺寸



Unit 單位: mm

 Installation 安裝方式  
Wall mounted 挂壁式安裝


## ► ENVIRONMENT REQUIREMENT 環境要求

Environment temperature 環境溫度	-10°C~+40°C (no coagulation) -10°C~+40°C (無結霜)
Environment humidity 環境濕度	less than 85% (no condensing) 85% 以下 (無結露)
Altitude 海拔高度	No more than 1000 meters 1000 米以下
Environment shock 環境振動	Not apply continuous vibration or excessive shock 不施加連續振動或過度衝擊
Protect level 保護等級	IP20 IP20

 BRUSHLESS MOTOR CONTROLLER  
無刷電機控制器


BLD-H20-400HR

## ► CHARACTERISTICS 功能特點

- Input voltage : AC220V ( ± 10%) 50HZ  
電壓輸入: AC220V(± 10%)50HZ
- Output current : 0.3A~2.4A , Adjustable output current limit value via the knob.  
電流輸出: 0.3A~2.4A 可通過旋鈕調節限流輸出值
- Multiple operation modes : open loop / closed loop (control precision ± 0.5% )  
多種運行方式: 開環、閉環 (控制精度 ± 0.5%)
- Multiple command given : Multi-function input terminal control (NPN input) ; 485 Modbus RTU ; Keyboard control.  
多種命令給定: 多功能輸入端子控制 ( NPN型輸入 ) ; 485標準Modbus RTU通訊控制; 外置鍵盤控制。
- Multiple speed given : internal rotary knob ; external analog voltage or PWM (0~5V) ; communication given ; keyboard given ; multi-stage speed ; simple PLC control.  
多種速度給定: 內置旋鈕、外部模擬電壓或PWM(0~5V)、通訊給定、鍵盤給定、多段速度、簡易PLC控制。
- Speed control : 0.3s~10s , controlled by rotary knob , communication or keyboard.  
加/減速控制: 0.3~10s 可通過旋鈕調節、通訊調節和鍵盤調節。
- Electronic brake : fast electromagnetic braking.  
電子剎車功能: 實現快速電磁制動
- Multi-function input interface : 5 digital input (only support for NPN), user can customize multiple function inputs by keyboard such as forward, reverse, stop, electronic brake, multi-stage speed.  
多功能輸入接口: 5個數字量輸入 (僅支持NPN) , 用戶可通過鍵盤自定義為: 正轉、反轉、點動、自由停止、電子剎車、多段速度等多種功能輸入。
- Multi-function output interface : 2 digital output (open collector output), user can customize multiple function outputs by keyboard such as running, failure, speed output, overload warning, virtual terminal output.  
多功能輸出接口: 2個數字量輸出 (開路集電極輸出) 用戶可通過鍵盤自定義為: 運行中、故障、速度輸出、過載預警、虛擬端子輸出等多種功能輸出。
- Fault detection and protect function : multiple fault detect such as undervoltage, overvoltage, overcurrent, overload, locked-rotor, short circuit, phase loss; the actuator takes protection actions according to different fault, fault messages will show by LED light or keyboard.  
完善的故障檢測及保護功能: 欠壓、過壓、過流、過載、堵轉、短路、缺相等多種故障檢測，故障發生後，驅動器根據故障類型進行相應的保護動作，故障信息可通過LED燈或鍵盤進行顯示。

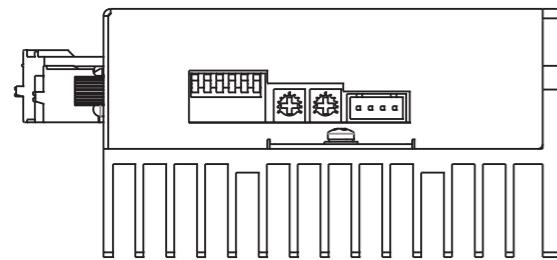
\* Keyboard control,multi-function input,multi-function output,multi-stage speed control,simplified PLC control could be realized with an external keyboard.

\* 鍵盤控制、多功能輸入、多功能輸出、多段速度、簡易PLC需選購鍵盤配件方可使用。

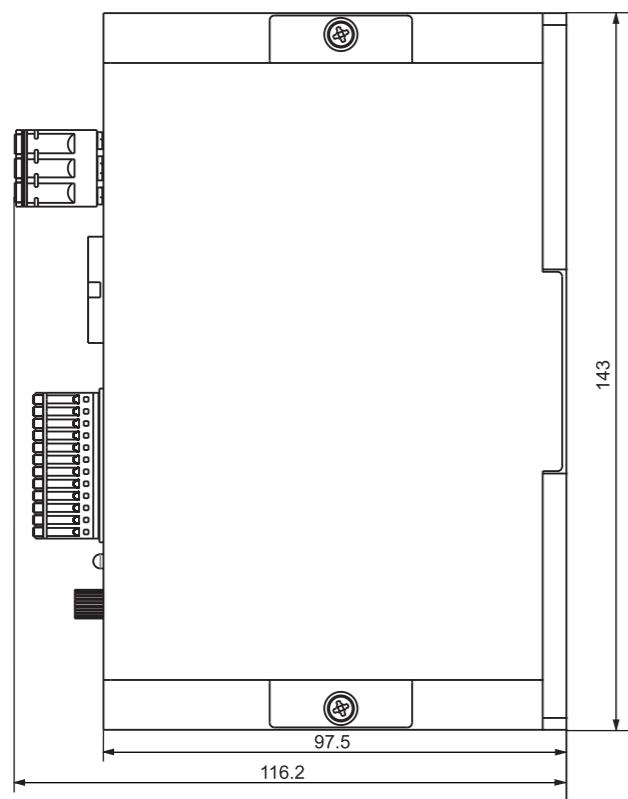
## ► NOTE 注意事項

- Please do not use in environment that is explosive, corrosive, ful of combustible gas, near water or inflammable goods, in order to prevent fire, explosion and injured.  
請勿在爆炸環境、可燃性氣體環境、腐蝕性環境、接觸水的場所、可燃物旁使用。以防發生爆炸、受傷、火灾!

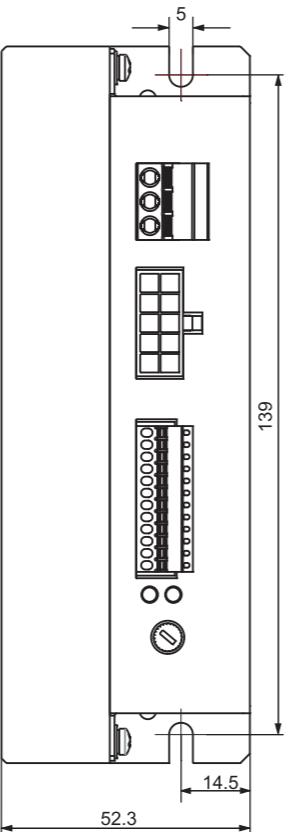
► FRAME SIZE 外形尺寸



Unit 單位: mm



Installation 安裝方式  
Wall mounted 挂壁式安裝



► ENVIRONMENT REQUIREMENT 環境要求

Environment temperature 環境溫度	-10°C~+40°C (no coagulation) -10°C~+40°C (無結霜)
Environment humidity 環境濕度	less than 85% (no condensing) 85% 以下 (無結露)
Altitude 海拔高度	No more than 1000 meters 1000 米以下
Environment shock 環境振動	Not apply continuous vibration or excessive shock 不施加連續振動或過度衝擊
Protect level 保護等級	IP20 IP20

6W~750W



► DESCRIPTION OF MODEL 型號說明

5    DC    60W - 24V    GU    -12    -T    - 3kr

1	Frame size 外形尺寸	2: 60mm    3: 70mm    4: 80mm    5: 90mm    6: 104mm    7: 122mm
2	DC motor 直流電機	DC: Brush DC motor 有刷型直流電機    BL: Brushless DC motor 無刷型直流電機
3	Rated power 電機功率	15: 15W    25: 25W    40: 40W    60: 60W    x: x W
4	Rated voltage 額定電壓	12: DC12V    24: DC24V    90: DC90V    x: DC x V
5	Shaft type 電機軸類別	GN: General 普通型    GU: Reinforced 加強型    GH: Heavy 重載型    A0: Round shaft 圓軸 A1: Keyway type 鍵槽型    A2: Flat shaft type 扁軸型    RV: For RV 專用型
6	Motor shaft DIM 電機軸直徑	8: Φ8mm    10: Φ10mm    12: Φ12mm    x: Φ x mm    ※ Gear shaft is not marked 齒軸不標示
7	Accessories 輔件	T: Terminal box 接線盒    M: Brake unit 制動器    E: Clutch & Brake 離合制動器
8	Speed 電機軸轉速	2kr : 2000r/min    3kr : 3000r/min    x kr : x*1000r/min

► GENERAL SPECIFICATION 通用技術條件

Insulation resistance  
絕緣電阻

In the circumstance of normal temperature and humidity, the resistance can be up to 20MΩ or more when 500VDC megger is applied between the windings and the frame after rated motor operations.  
在常溫、常濕下的電動機額定運行後，以DC500V電阻表測量繞圈、外殼間時，測量值為20MΩ以上。

Insulation voltage  
絕緣強度

In the circumstance of normal temperature and humidity, there will be no problem to withstand 1.5kv at 50/60Hz between the windings and the frame for 1 minute after rated motor operation.  
在常溫、常濕下的電動機額定運行後，在繞圈和機殼間施加一分鐘50或60HZ、1.5Kv的電壓，應無異常。

Temperature rise  
電機溫升

The temperature rise should be lower the 80K measured by resistance method when the motor is working.  
額定運行後，用電阻法測量其繞組溫升上限值在80K以下。

Insulation class  
絕緣等級

B級 (130°C)  
Class B(130°C)

Ambient temperature  
使用環境溫度

-10°C~+40°C (無凍結)  
-10°C~+40°C (Nonfreezing)

Ambient humidity  
使用環境濕度

85%以下 (無結霜)  
85% or less (Noncondensing)

請勿讓電機長時間空載運行或超負荷低速運行及堵轉，以免溫升過高

► NOTES 注意事項

- 1 Please connect wire in right way 按正確的方法連線
- 2 Don't run no-load long time, run over load in low speed, or locked motor to avoid excess temperature  
請勿讓電機長時間空載運行或超負荷低速運行及堵轉，以免溫升過高
- 3 Please don't drag the expansion line 電機引出線不可用力拖拉
- 4 Don't disassemble or assemble the assembled gear head to prevent the bad noise  
不要隨便拆裝，以免灰塵進入或齒輪咬合不好產生噪音
- 5 Please don't beat or squeeze when connect the gear head extend axle to load.  
與負載連接時，嚴禁用力敲打或擠壓

## 2DC Series 系列

Brush DC motor  
有刷直流電機

2DC6W-24VA0-2kr

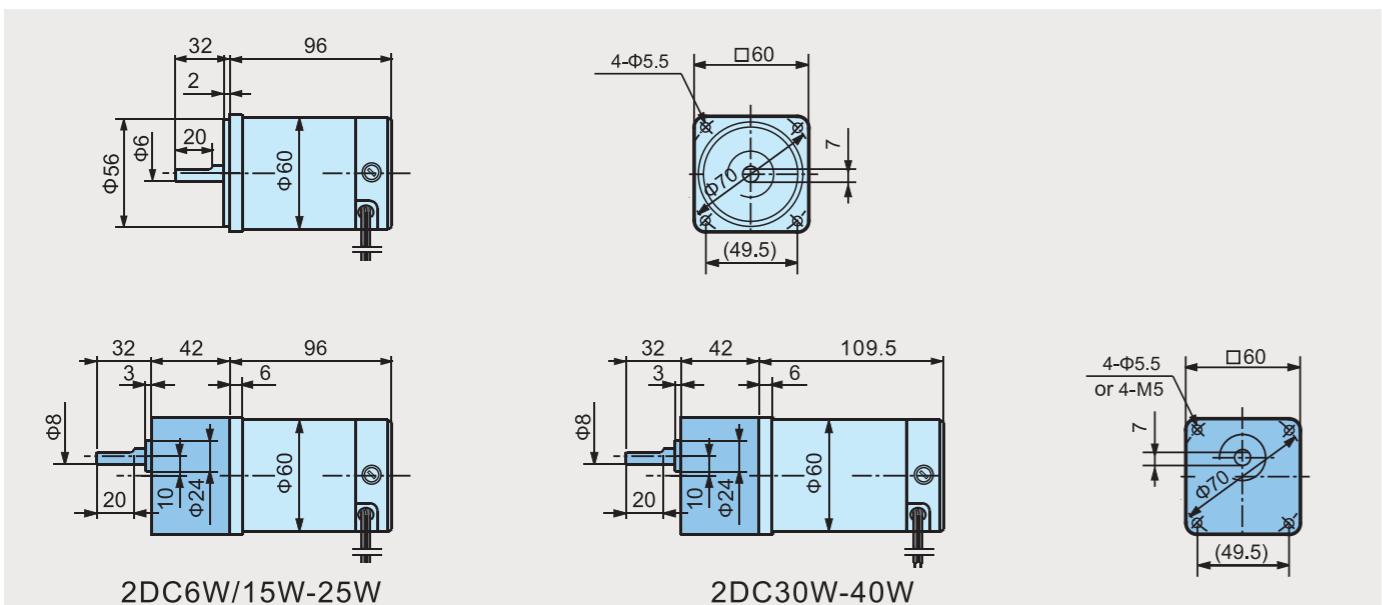


2GN300K-C8  
+2DC6W-24VGN-2kr



2DC

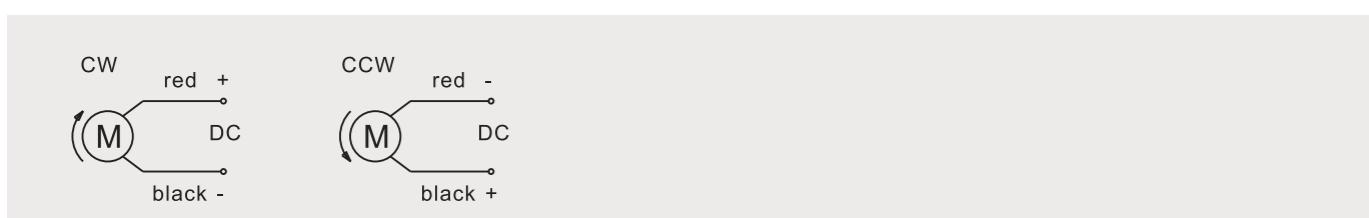
### ► OVERALL DIMENSIONS 外形尺寸



### ► TECHNICAL PARAMETERS 技術參數

Model 型號	Power 功率 w	Rated Voltage 電壓 v	No-load 空載參數		Load parameters 額定負載功率			Brush life 電刷壽命 H	
			Speed 轉速 r/min	Current 電流 A	Speed 轉速 r/min	Current 電流 A	Torque 轉矩 mN.m		
2DC	2DC6W-12VGN-2kr	6	12	2200/4200	1.0 max	1800/3600	1.5	30/15	2000
	2DC6W-24VGN-2kr	6	24	2200/4200	0.5 max	1800/3600	0.6	30/15	2000
	2DC15W-12VGN-2kr	15	12	2200/4200	1.0 max	1800/3600	2.2	80/40	2000
	2DC15W-24VGN-2kr	15	24	2200/4200	0.5 max	1800/3600	1.1	80/40	2000
	2DC30W-12VGN-2kr	30	12	2200/4200	1.6 max	1800/3600	3.9	160/80	2000
	2DC30W-24VGN-2kr	30	24	2200/4200	0.8 max	1800/3600	1.95	160/80	2000
	2DC40W-24VGN-2kr	40	24	2200/4200	1.0 max	1800/3600	2.5	210/110	2000

### ► WIRING DIAGRAM 接線示意圖



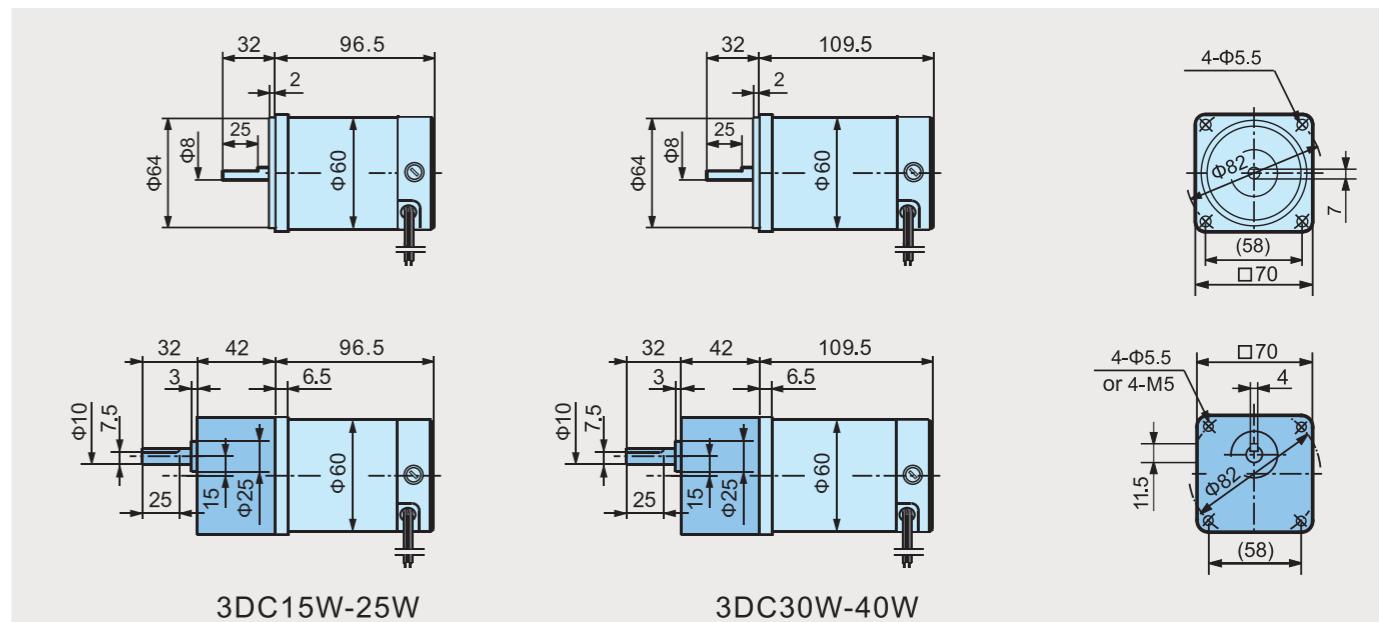
## 3DC Series 系列

Brush DC motor  
有刷直流電機

3GN300K-C10  
+3DC25W-24VGN-2kr



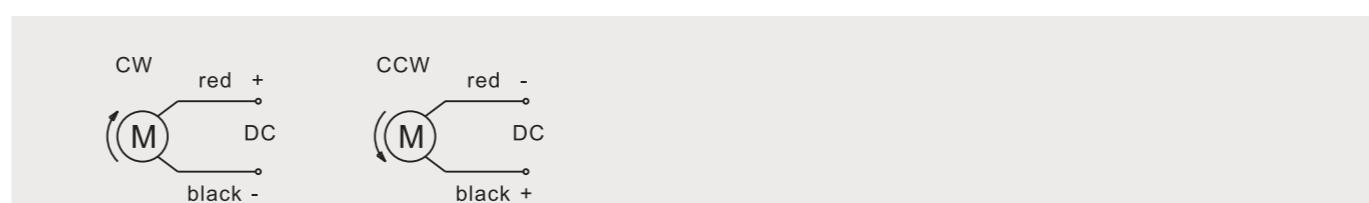
### ► OVERALL DIMENSIONS 外形尺寸



### ► TECHNICAL PARAMETERS 技術參數

Model 型號	Power 功率 w	Rated Voltage 電壓 v	No-load 空載參數		Load parameters 額定負載功率			Brush life 電刷壽命 H	
			Speed 轉速 r/min	Current 電流 A	Speed 轉速 r/min	Current 電流 A	Torque 轉矩 mN.m		
3DC	3DC15W-12VGN-2kr	15	12	2200/4200	1.0 max	1800/3600	2.2	80/40	2000
	3DC15W-24VGN-2kr	15	24	2200/4200	0.5 max	1800/3600	1.1	80/40	2000
	3DC25W-12VGN-2kr	25	12	2200/4200	1.0 max	1800/3600	3.6	132/65	2000
	3DC25W-24VGN-2kr	25	24	2200/4200	0.6 max	1800/3600	1.8	132/65	2000
	3DC40W-24VGN-2kr	40	24	2200/4200	0.8 max	1800/3600	2.5	210/105	2000

### ► WIRING DIAGRAM 接線示意圖



## 4DC Series 系列

Brush DC motor  
有刷直流電機

4F0-30K-S15N-GN  
+4DC40W-24VGN-2kr

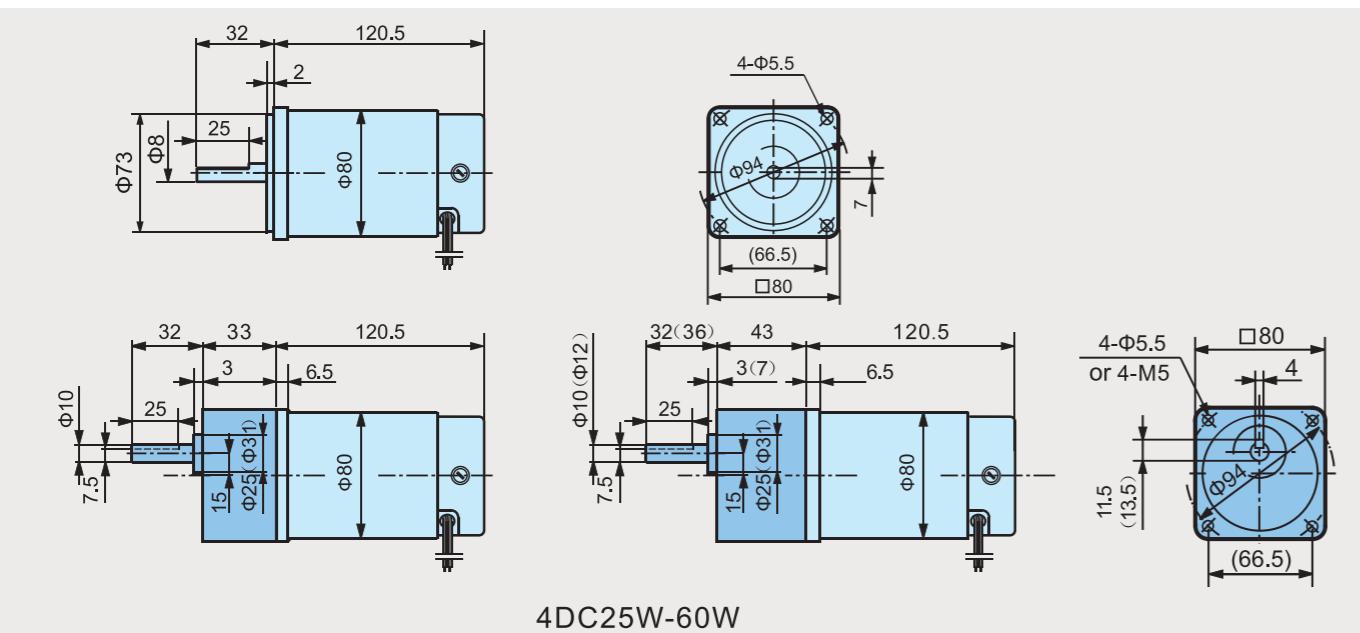


4GN300K-C10  
+4DC40W-24VGN-2kr



4DC

### ► OVERALL DIMENSIONS 外形尺寸

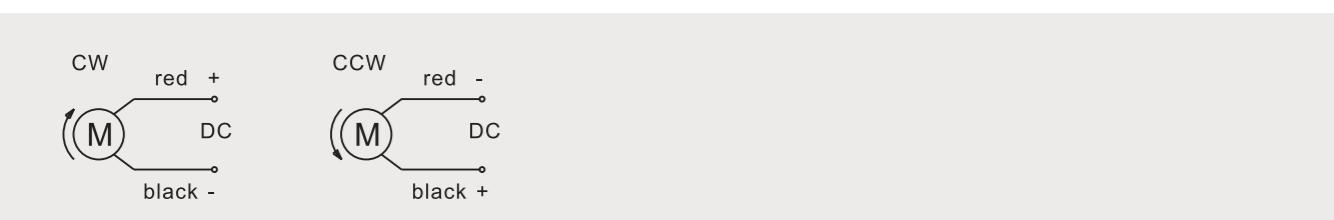


4DC25W-60W

### ► TECHNICAL PARAMETERS 技術參數

Model 型號	Power 功率 w	Rated Voltage 電壓 v	No-load 空載參數		Load parameters 額定負載功率			Brush life 電刷壽命 H	
			Speed 轉速 r/min	Current 電流 A	Speed 轉速 r/min	Current 電流 A	Torque 轉矩 mN.m		
4DC	4DC40W-12VGN-2kr	40	12	2100	2.0 max	1800	5.2	212	2000
	4DC40W-24VGN-2kr	40	24	2100	0.8 max	1800	2.5	212	2000
	4DC40W-90VGN-2kr	40	90	2100	0.3 max	1800	1.0	212	2000
	4DC60W-12VGN-2kr	60	12	2100	2.5 max	1800	7.7	318	2000
	4DC60W-24VGN-2kr	60	24	2100	1.2 max	1800	3.5	318	2000
	4DC60W-90VGN-2kr	60	90	2100	0.7 max	1800	1.0	318	2000

### ► WIRING DIAGRAM 接線示意圖



## 5DC Series 系列

Brush DC motor  
有刷直流電機

5DC120W-24VA0-2kr

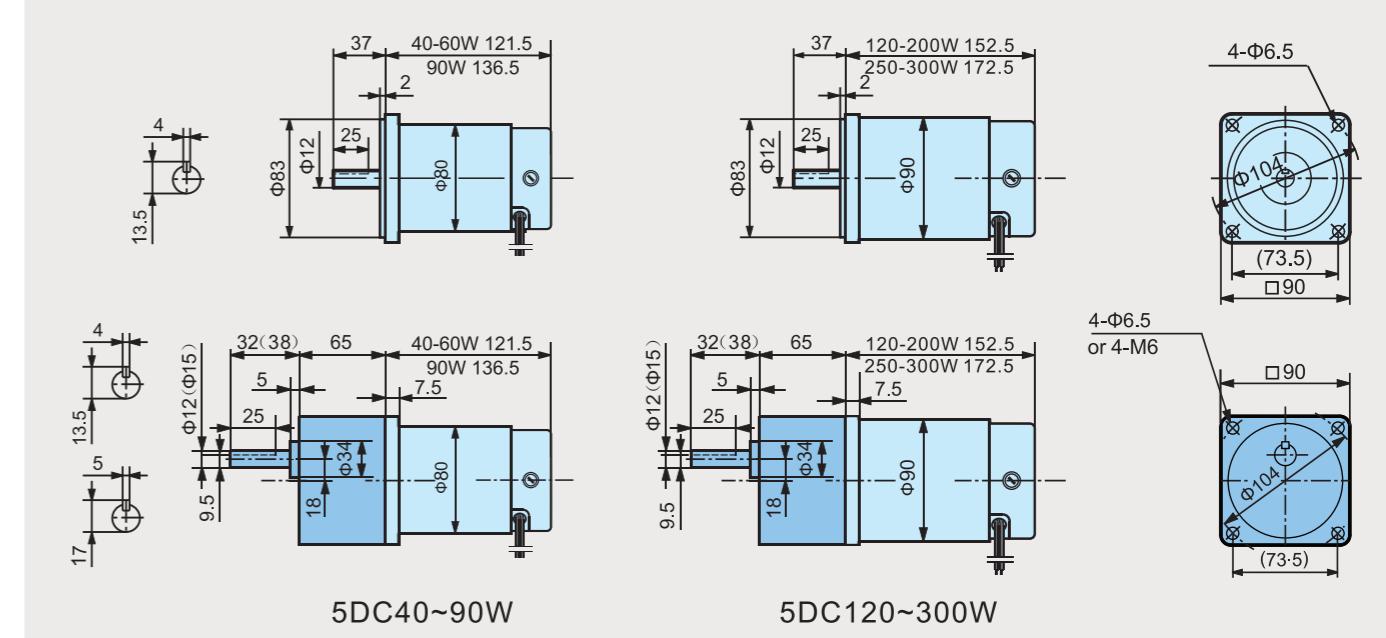


5GU150K-C12  
+5DC120W-24VGU-2kr



5DC

### ► OVERALL DIMENSIONS 外形尺寸



5DC40~90W

5DC120~300W

### ► TECHNICAL PARAMETERS 技術參數

Model 型號	Power 功率 w	Rated Voltage 電壓 v	No-load 空載參數		Load parameters 額定負載功率			Brush life 電刷壽命 H	
			Speed 轉速 r/min	Current 電流 A	Speed 轉速 r/min	Current 電流 A	Torque 轉矩 mN.m		
5DC	5DC60W-12VGU-2kr	60	12	2100	2.5 max	1800	7.7	318	2000
	5DC60W-24VGU-2kr	60	24	2100	1.2 max	1800	3.5	318	2000
	5DC60W-90VGU-2kr	60	90	2100	0.7 max	1800	1.0	318	2000
	5DC90W-12VGU-2kr	90	12	2100	3.0 max	1800	11.6	478	2000
	5DC90W-24VGU-2kr	90	24	2100	1.6 max	1800	4.8	478	2000
	5DC90W-90VGU-2kr	90	90	2100	1.1 max	1800	2.0	478	2000
	5DC120W-12VGU-2kr	120	12	2200	2.0 max	1800	13.5	636	2000
	5DC120W-24VGU-2kr	120	24	2200	1.0 max	1800	6.8	636	2000
	5DC120W-90VGU-2kr	120	90	2000	0.3 max	1800	2.0	636	2000
	5DC160W-24VGU-2kr	160	24	2000	1.4 max	1800	8.0	848	2000
	5DC200W-24VGU-2kr	200	24	2200	1.8 max	1800	12	1061	2000
	5DC200W-90VGU-2kr	200	90	2200	0.3 max	1800	2.8	1061	2000
	5DC250W-24VGU-2kr	250	24	2000	2.0 max	1800	14	1330	2000
	5DC250W-90VGU-2kr	250	90	2000	0.4 max	1800	3.7	1330	2000

## 6DC Series 系列

Brush DC motor  
有刷直流電機

6F1-250K-S22N-GU  
+6DC200W-24VGU-2kr

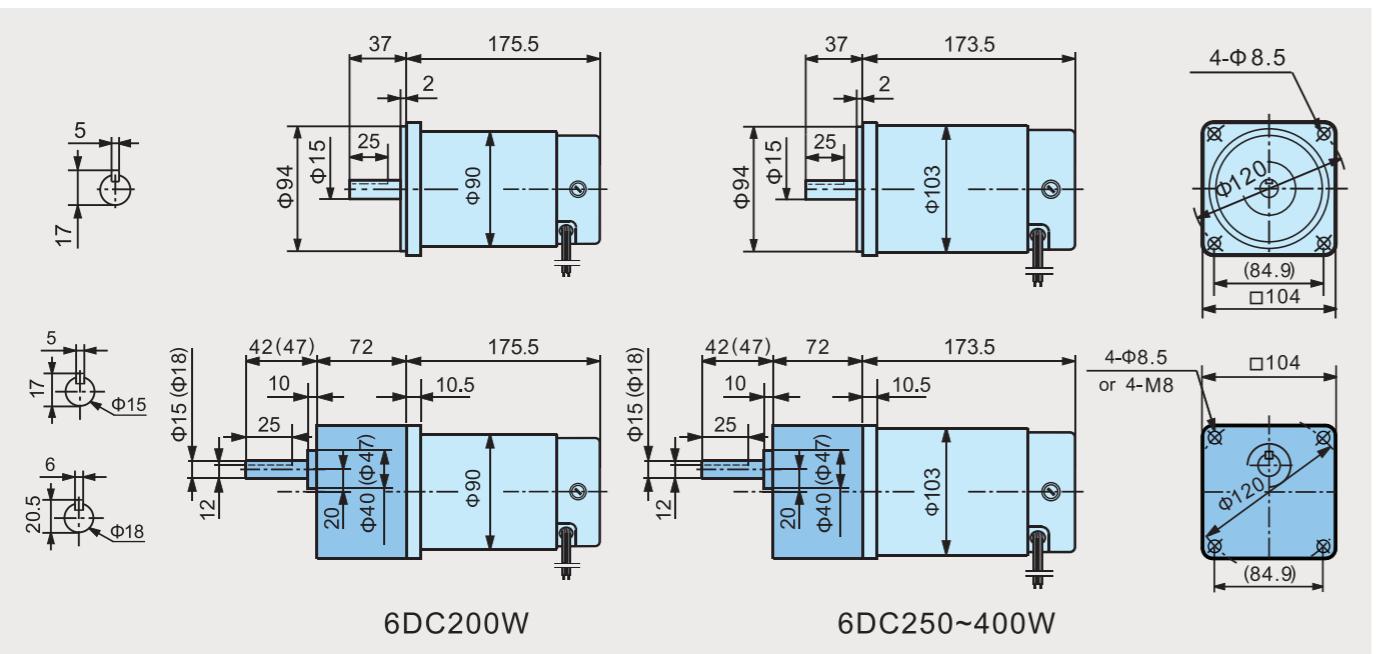


6GU120K-C15  
+6DC200W-24VGU-2kr



6DC

### ► OVERALL DIMENSIONS 外形尺寸



### ► TECHNICAL PARAMETERS 技術參數

Model 型號	Power 功率 w	Rated Voltage v	No-load 空載參數		Load parameters 額定負載功率			Brush life 電刷壽命 H	
			Speed 轉速 r/min	Current 電流 A	Speed 轉速 r/min	Current 電流 A	Torque 轉矩 mN.m		
6DC	6DC200W-24VGU-2kr	200	24	2200	1.8 max	1800	12	1061	2000
	6DC200W-90VGU-2kr	200	90	2200	0.3 max	1800	2.8	1061	2000
	6DC200W-220VGU-2kr	200	220	2200	0.2 max	1800	1.5	1061	2000
	6DC250W-24VGU-2kr	250	24	2100	4.0 max	1800	16	1326	2000
	6DC250W-90VGU-2kr	250	90	2100	2.0 max	1800	4.2	1326	2000
	6DC250W-220VGU-2kr	250	220	2100	0.2 max	1800	1.5	1326	2000
	6DC300W-24VGU-2kr	300	24	2100	1.9 max	1800	19	1590	2000
	6DC300W-90VGU-2kr	300	90	2100	0.9 max	1800	5.2	1590	2000
	6DC300W-220VGU-2kr	300	220	2100	0.2 max	1800	2.1	1590	2000
	6DC400W-24VGU-2kr	400	24	2100	1.7 max	1800	22.4	2120	2000
	6DC400W-90VGU-2kr	400	90	2100	0.8 max	1800	7.2	2120	2000
	6DC400W-220VGU-2kr	400	220	2100	0.18 max	1800	2.1	2120	2000

Brush DC motor  
有刷直流電機

## 7DC Series 系列

Brush DC motor  
有刷直流電機

7GH300K-H22  
+7DC550W-24VGH-2kr

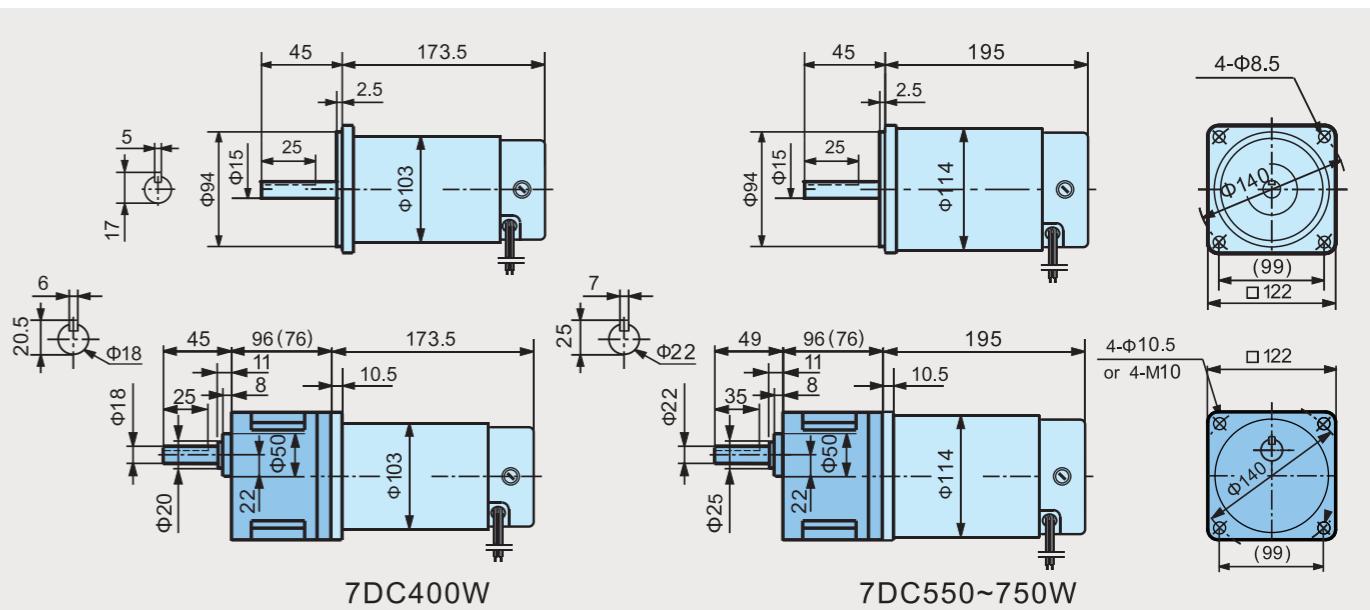


7F1-50K-S25N-GH  
+7DC750W-220VGH-2kr



7DC

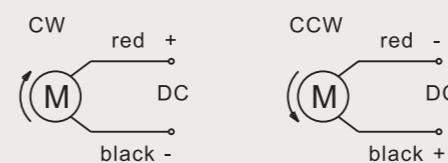
### ► OVERALL DIMENSIONS 外形尺寸



### ► TECHNICAL PARAMETERS 技術參數

Model 型號	Power 功率 w	Rated Voltage v	No-load 空載參數		Load parameters 額定負載功率			Brush life 電刷壽命 H	
			Speed 轉速 r/min	Current 電流 A	Speed 轉速 r/min	Current 電流 A	Torque 轉矩 mN.m		
7DC	7DC400W-24VGU-2.0kr	400	24	2200	1.7 max	1800	22.4	2122	2000
	7DC400W-220VGU-2.0kr	400	220	2200	0.18 max	1800	2.1	2122	2000
	7DC550W-24VGU-2.0kr	550	24	2300	2.3 max	1800	22	2918	2000
	7DC550W-220VGU-2.0kr	550	220	2300	0.8 max	1800	2.4	2918	2000
	7DC750W-24VGU-2.0kr	750	24	2300	3.0 max	1800	35	3979	2000
	7DC750W-220VGU-2.0kr	750	220	2300	1.4 max	1800	4.5	3979	2000

### ► WIRING DIAGRAM 接線示意圖



As technical data for these machines may be advantaged, please contact us or visit the company website. Not allow for publish without formal approved 因技術改進，實際值可能與上述參數有差異，恕不另行通知，若需具體參數，敬請諮詢本公司或瀏覽網站。

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# DC SPEED CONTROLLER

## 有刷直流電機調速器



DCS24V-120W-2



DCS220V-750W-2



DCS220V-750W-2

共同引領世界  
Drive the world together

### ► DC SPEED CONTROLLER 直流型調速器型號說明

**DC S 24V - 90W -1 -A**

1	For motor type 適配電機類型	DC: For brush DC motor 適配有刷型直流電機	BL: For brushless 適配無刷型直流電機
2	Controller code 調速器代號	S: Speed controller 調速器	
3	Motor voltage 適配電機電壓	12: DC12V 24: DC24V 90: DC90V x: DC x V	
4	For motor power 適配電機功率	40: 40W 90: 90W x: x W	
5	Input voltage 輸入電壓	1: 1-phase 單相110V 2: 1-phase 單相220V 3:DC 直流	
6	Product NO. 產品順序號	Product sequence number 產品順序號 A、B、C、D、E... ※Allow don't mark 允許不標示	

### ► METHOD OF USE 調速器使用說明

- The speed controller and the lead wire connector of the motor are connected and then the plug cord is connected to AC power .When the START/STOP switch on the controller is switched to START, then it is turn 將調速器和調速電機連接好，通電，當調速器按鈕開關指向“START”，電機可以開始運行。調速電機輸出軸的旋轉方向，取决于調速電機減速部分的結構，即與傳動級數（或與減速比）有關
- If SPEED VOLUME switch of the speed controller is turned clockwise shows increases and if it is turned counter -clockwise ,slows down. 調節旋鈕順時針旋轉時，轉速增加，逆時針旋轉時，轉速減少。
- If the START/STOP switch on the controller is switched to STOP, the motor stops. Note:This switch is not an on-off switch for power.When the motor needs to be stopped for a long time,a separate power source should be installer . 將開關按鈕指向“STOP” 電機停止運轉。注意：此開關并非電源開關，若需電機停止運轉，請另設電源開關
- To change the rotation direction, change two connections among CW and CCW. 若想換向，請更改CW與CCW連接線
- Keep enough horizontal and vertical distance to other equipment. 安裝調速器時應保持足夠的距離

### ► TECHNICAL PARAMETERS 技術參數

Working Power Supply: 工作電源 ~ 220V±10%. 50Hz/60Hz

Output armature voltage: 輸出電樞電壓 0-200VDC

Output armature current: 輸出電樞電流 6A

Output excitation voltage: 輸出勵磁電壓 180VDC

Output excitation current: 輸出勵磁電流 1A

Working environment: 工作環境

Temperature: 溫度 -20°C~+50°C

Relative humidity: 相對濕度 30%-80%

6W~400W

## DC Speed controller 有刷直流電機調速器



DCS220V-750W-2

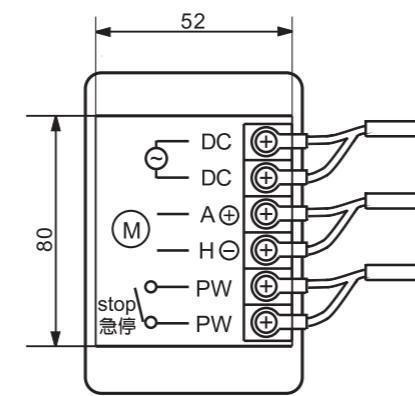
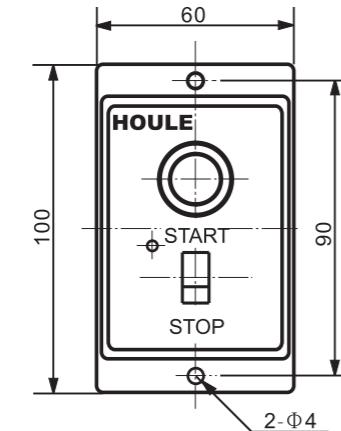
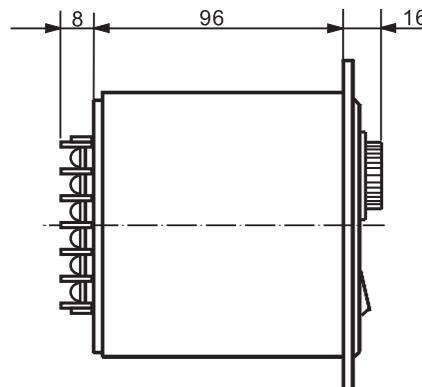


DCS220V-750W-2

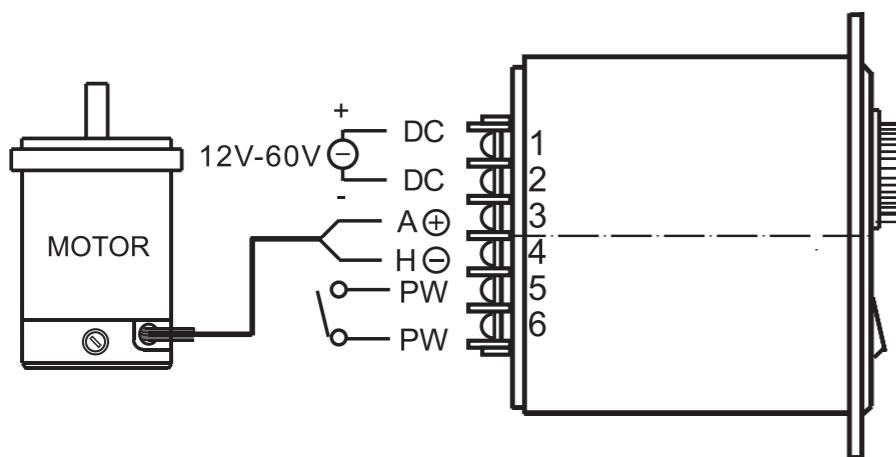


DCS24V-120W-2

### ► OVERALL DIMENSIONS 外形尺寸



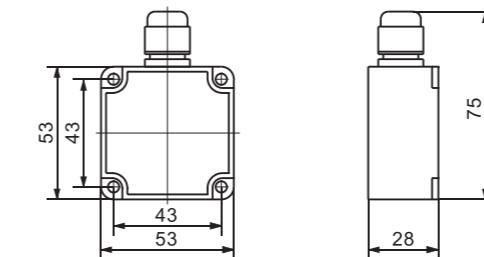
### ► CONNECTION DIAGRAMS 連接圖



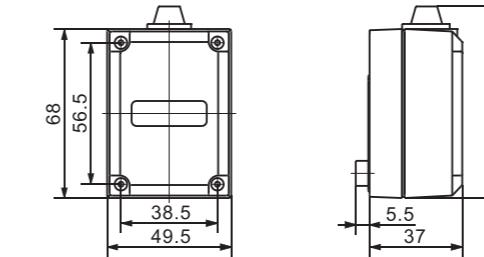
As technical data for these machines may be advantaged, please contact us or visit the company website. Not allow for publish without formal approved 因技術改進，實際值可能與上述參數有差異，恕不另行通知，若需具體參數，敬請諮詢本公司或瀏覽網站。

### TYPE OF JUNCTION BOX 接線盒種類

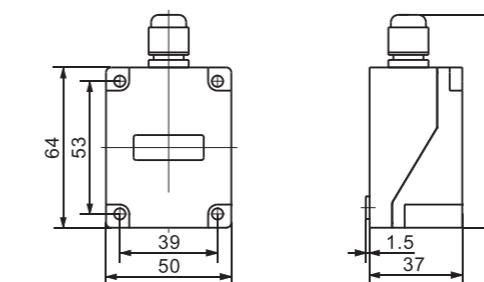
#### T I type junction box T I型接線盒



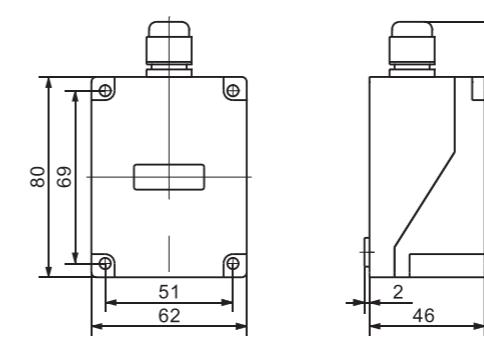
#### T II type junction box T II型接線盒



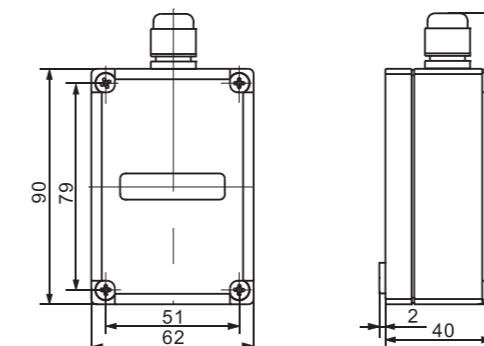
#### T III type junction box (for 2/3/4 series) T III型接線盒 (2/3/4系列用)



#### T III type junction box (for 5/6/7 series) T III型接線盒 (5/6/7系列用)



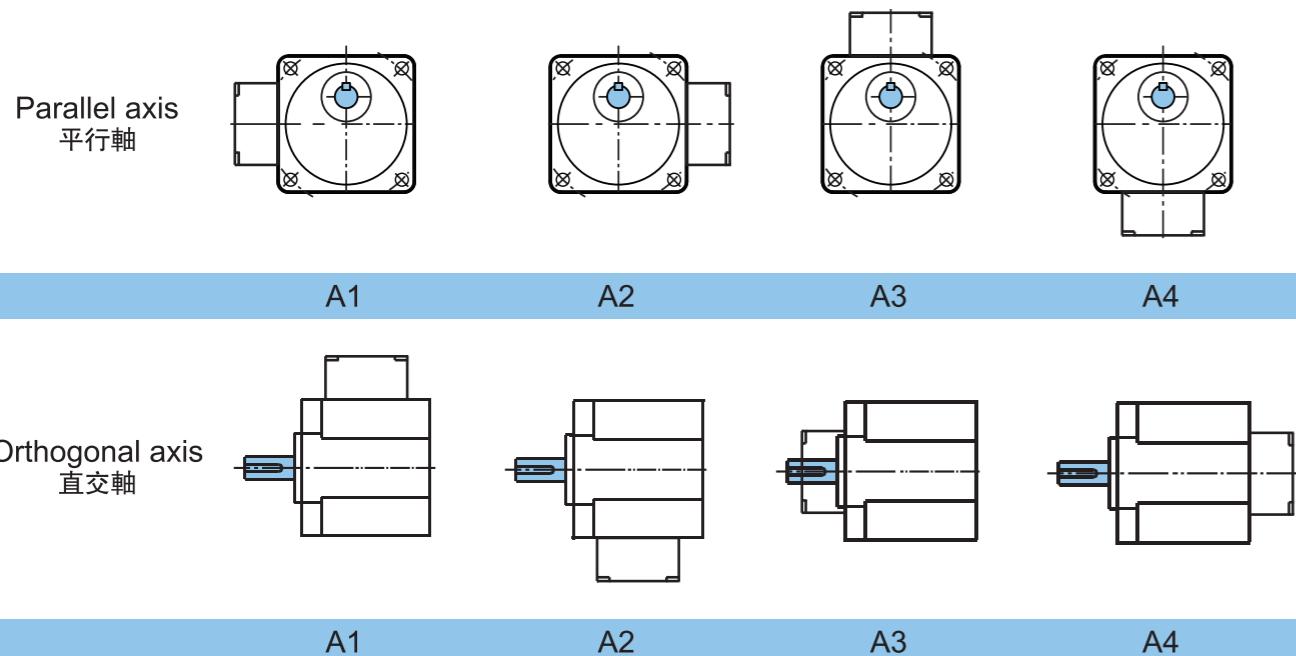
#### T IV type junction box T IV型接線盒



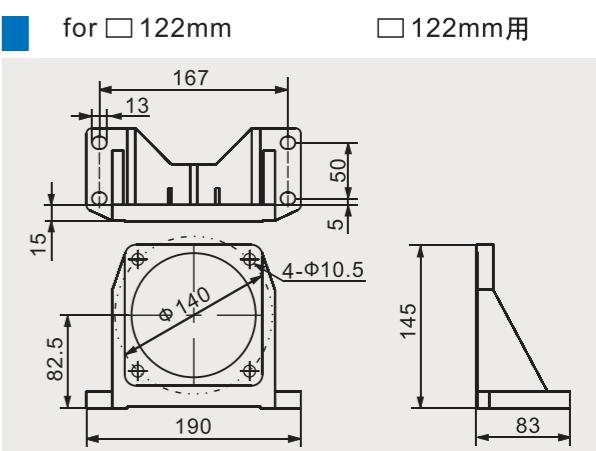
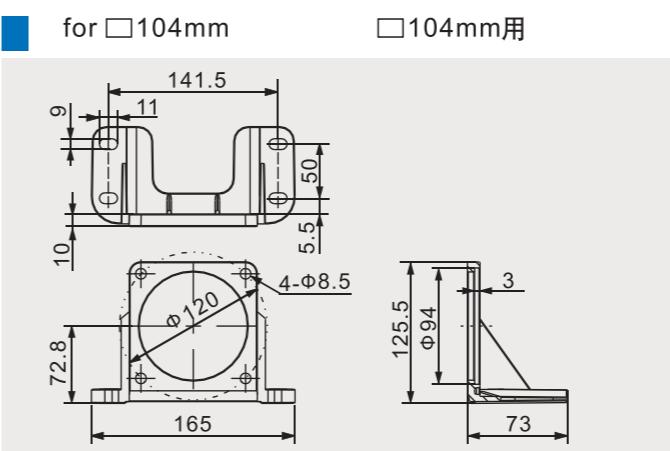
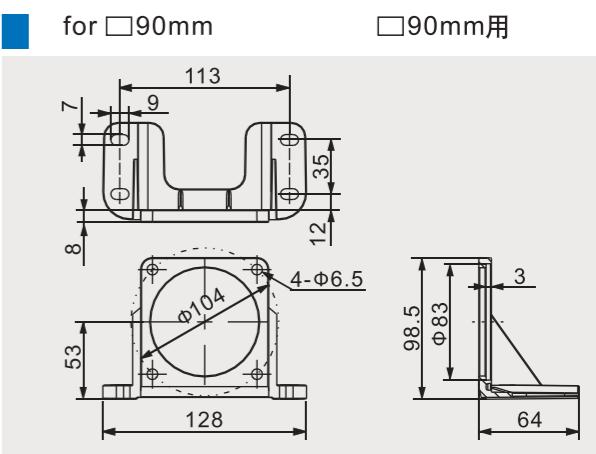
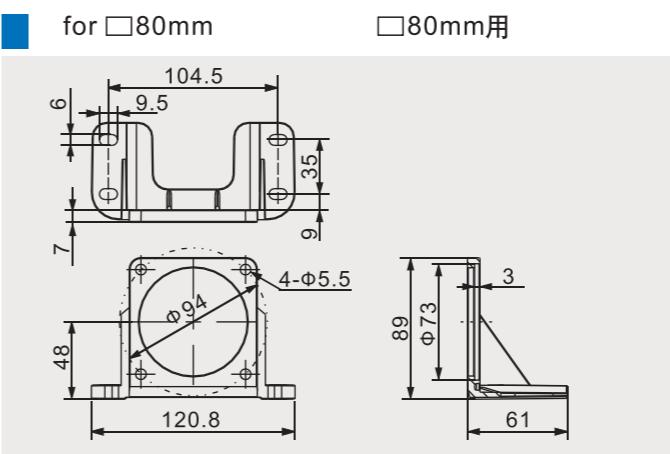
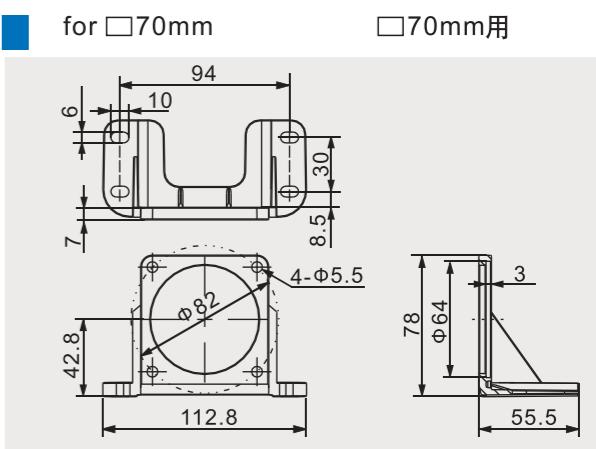
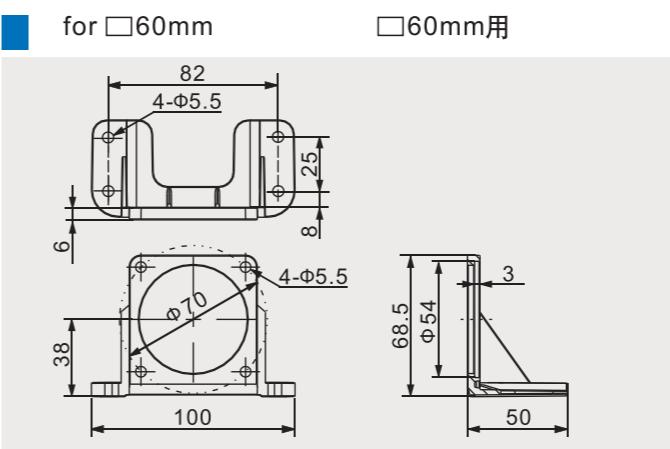
WIRING BOX DIRECTION SELECTED  
接線盒方向選定

Terminal box direction from output shaft 從軸端看接線盒方向

TYPE 型號	Left direction 左方向	Right direction 右方向	Top direction 上方	Down direction 下方向
------------	-----------------------	------------------------	---------------------	-----------------------



► OVERALL DIMENSIONS 外形尺寸



40W~400W

Forced fan  
强制風扇

**40W~400W**

**FORCED FAN**  
强制風扇

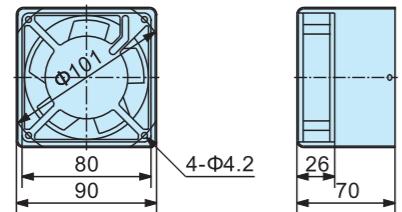


► OVERALL DIMENSIONS 外形尺寸

Forced fan for 5 series

5系列强制風扇

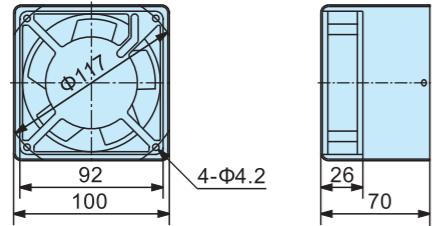
AC220-240V~50/60Hz 0.10A



Forced fan for 6 series

6系列强制風扇

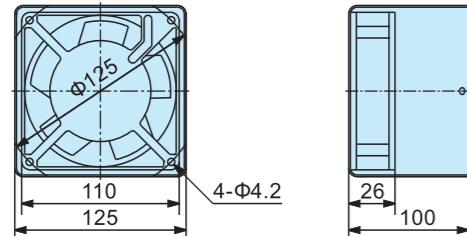
AC220-240V~50/60Hz 0.10A



Forced fan for 7 series

7系列强制風扇

AC220-240V~50/60Hz 0.10A



Forced fan, independent power supply, suitable for speed regulating motor, motor low speed operation can ensure good heat dissipation.

强制風扇,獨立電源供電,適用於調速電機,電機低速運行也能保證良好散熱。

Forced fan  
强制風扇

40W~400W

## MEDIUM GEAR REDUCTION MOTOR

中型減速電機

- 3-phase gear reduction motor  
0.1KW~5.5KW三相齒輪減速電機

- Gear reduction motor with brake  
電磁剎車減速電機

- 1-phase gear reduction motor  
0.1KW~1.5KW單相齒輪減速電機

- Reduction motor for animal husbandry  
0.75KW畜牧業專用減速電機



P145



P150



P176



P161



P173

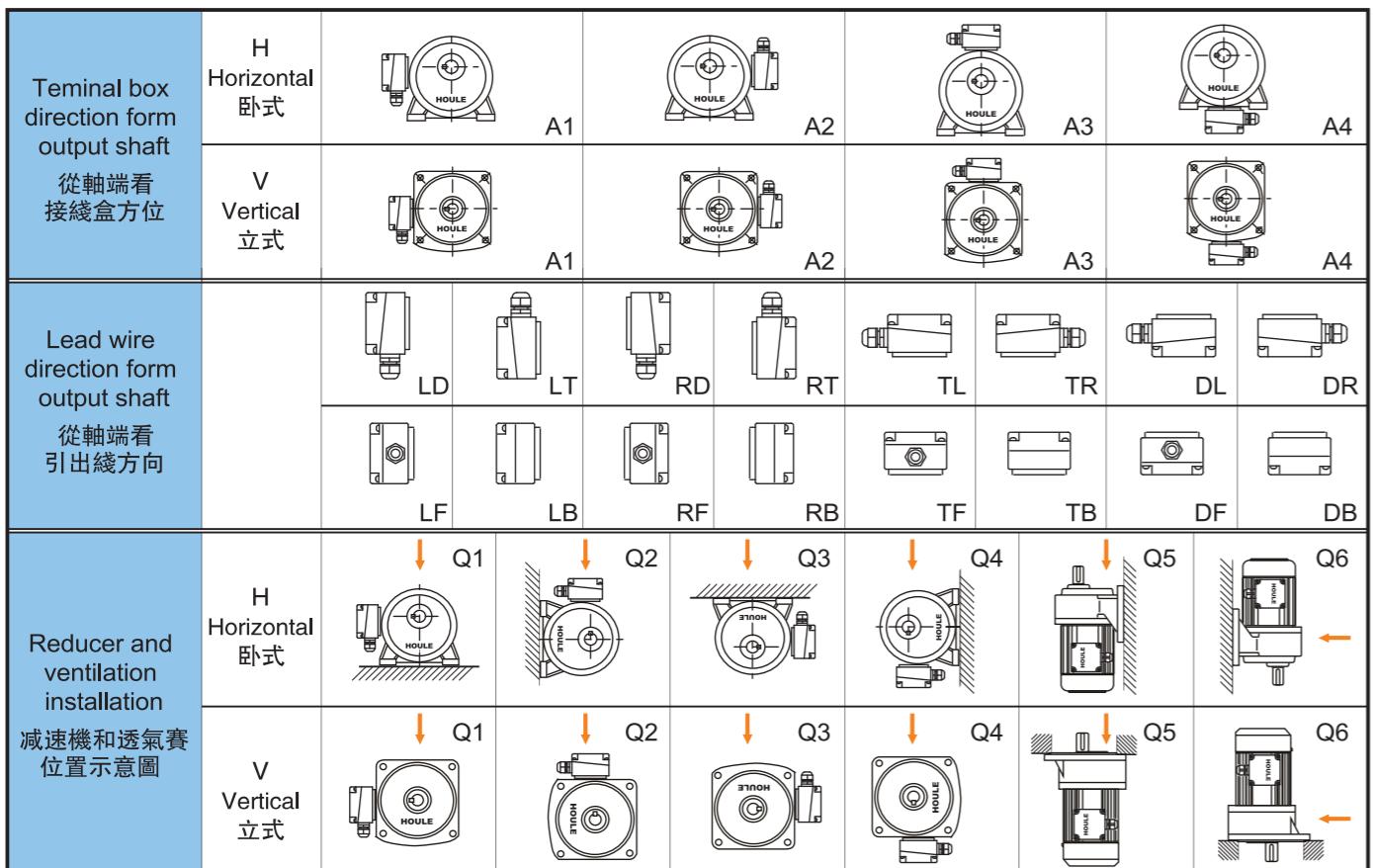
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► DESCRIPTION OF MODEL 型號說明

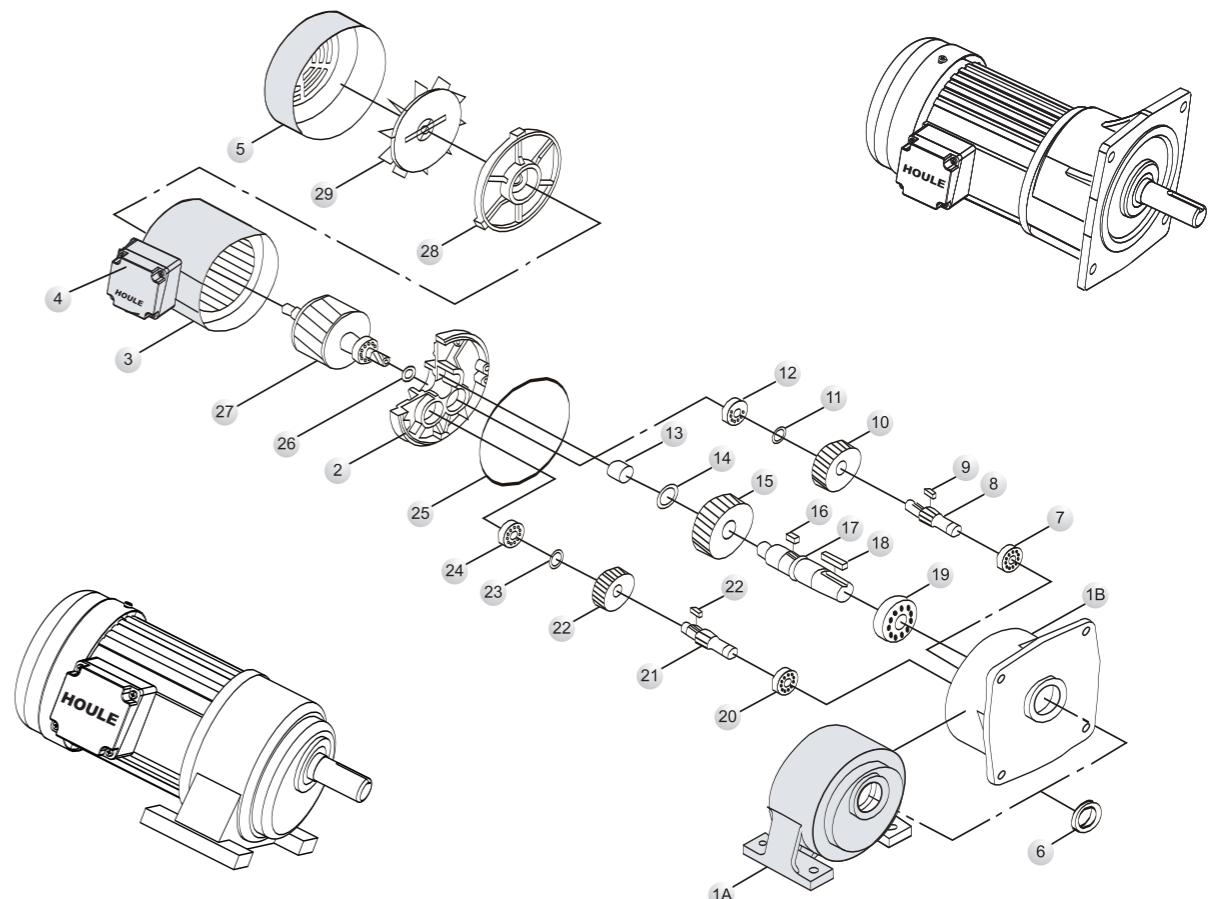
GL H 28 (7) +M18-X110+400 W-S3 F-X110-A1-LD-Q1-(G)-IP

1	Type code 機型系列代號	GH/L: GH/L type Parallel shaft reduction motor GH/L系列平行軸減速電機
2	Structure form 結構形式	H: Horizontal 卧式 V: Vertical 立式
3	Output shaft DIA 輸出軸直徑	18: Φ18mm 22: Φ22mm 28: Φ28mm x: Φx mm
4	Keyway size 鍵槽尺寸	5: 5 7: 7 10: 10 12: 12 14: 14 x: 1:x
5	Middle gear head 中間箱	M18 M22 M28 M32
6	Gear ratio 減速比	3: 1:3 5: 1:5 10: 1:10 20: 1:20 30: 1:30 x: 1:x
7	Flange type 法蘭形式	X110 (X120、X140、X160、X180) B5: (B5-63、B5-71、B5-80、B5-112M) (Not specified for shaft input 未注為軸輸入型)
8	Rated power 額定功率	100: 100W 200: 200W 400: 400W 750: 750W x: x W
9	Brake unit 制動器形式	W: No brake motor 非制動電機 B: Brake motor 制動電機 YB: Brake with manual release 帶手釋放制動器
10	Rated voltage 額定電壓	C1: 1-Phase 單相110V C2: 1-Phase 單相220V S2: 3-Phase 三相220V S3: 3-Phase 三相380V S4: 3-Phase 三相440V S2/3: 3-Phase 三相220V/380V
11	Code of fan 風扇代號	F: Common 普通風扇 FD: Forced 強制風扇 ※ No mark means motor without fan 無風扇不標
12	Flange type 法蘭形式	X110 (X120、X140、X160、X180)
13	Terminal box direction form output shaft 從軸端看盒位置	A1: Left direction 左方向 A2: Right direction 右方向 A3: Top direction 上方向 A4: Down direction 下方向 Remark 備註: A1 direction is standard A1是標準方向
14	Lead wire direction form output shaft 從軸端看引出線方向	L: Left direction 向左方向 R: Right direction 向右方向 T: Top direction 向上方向 D: Down direction 向下方向 F: Forward direction 向前方向 B: Back 向後方向
15	Ventilation 透氣塞位置	Q1 / Q2 / Q3 / Q4 / Q5 / Q6 Remark: Particular case sees figure below 具體見下表
16	Color 顏色	G: Golden grey 金灰色 B: Blue 藍色 D: Dark blue 黑藍色 O: Oyster white 乳白色
17	Protection Class 防護等級	20 54

► Terminal box direction, lead wire direction and ventilation installation diagram 示意圖



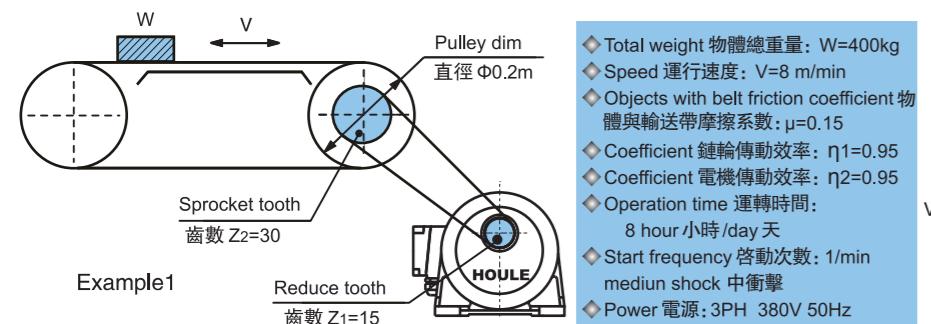
► PRODUCT STRUCTURE DIAGRAM 產品結構圖



► Detail parts list 零件清單

No	Denomination 零件名稱	No	Denomination 零件名稱	No	Denomination 零件名稱
1A	Horizontal housing 卧式本體	10	2nd main gear 二級大齒輪	20	Ball bearing 軸承
1B	Vertical housing 立式本體	11	Snap ring 擋圈	21	2nd pinion gear 二級小齒
2	Front cover 前端蓋	12	Ball bearing 軸承	22	1st main gear 一級大齒輪
3	Stator 定子總成	13	Oilless bearing 自潤滑軸承	23	Snap ring 擋圈
4	Terminal box 接線盒	14	Snap ring 擋圈	24	Ball bearing 軸承
5	Fan cover 風罩	15	3rd main gear 三級大齒輪	25	O-ring O型密封圈
6	Oil seal 輸出軸油封	16	Key 平鍵	26	Oil seal 電機軸油封
7	Ball bearing 軸承	17	Output shaft 輸出軸	27	Rotor 轉子
8	3rd pinion gear 三級齒輪	18	Key 平鍵	28	Rear cover 後端蓋
9	Key 平鍵	19	Ball bearing 軸承	29	Fan 風葉

## ► CALCULATION FOR SELECTION 選型計算示例



Description of calculation 選型計算說明		Calculation example 計算舉例	
	Example1	Example 2	Example1
Ratio 減速比	Calculate the reduction ratio 先確定減速電機的減速比 1、Find the revolution of conveyer pulley first 先求出輸送滾輪轉速 (N1): $N1=V / (D \times \pi) = 8 / (0.2 \times 3.14) = 12.7 \text{ r/min}$ 2、Find the output shaft revolution 再求出輸出軸轉速 (N2): $N2=N1 \times (Z2/Z1) = 12.7 \times (30/15) = 25.4 \text{ r/min}$ 3、Calculate reduction ratio 計算所需的減速比 (i) $i=N2/n$ n: Motor speed 電機轉速	1、 $N1=V / (D \times \pi) = 8 / (0.2 \times 3.14) = 12.7 \text{ r/min}$ 2、 $N2=N1 \times (Z2/Z1) = 12.7 \times (30/15) = 25.4 \text{ r/min}$ 3、 $i = 25.4/1500 \approx 60 \text{ r/min}$	
Torque 扭矩	Calculate the torque by the condition of the machine used 確定所需扭矩 1、Find the torque of conveyer pulley first 先確定輸送滾輪扭矩 (T1): $T1=(\mu \times W \times R) / \eta_1$ R: Pulley radius 滾輪半徑	1、 $T1=(\mu \times W \times D/2) / \eta_1$ $= (0.15 \times 400 \times 0.2/2) / 0.95$ $= 5.9 \text{ kgf.m}$	1、 $T1=(W \times D/2) / \eta_1$ $= (400 \times 0.2/2) / 0.95$ $= 42 \text{ kgf.m}$
	T1=W*R/η1 R: Pulley radius 滾輪半徑	T1=W*R/η1 R: Pulley radius 滾輪半徑	
	2、Find the output torque of reduction motor 計算所需電機扭矩 (T2): $T2=T1 \times (Z1/Z2) / \eta_2$	2、 $T2=T1 \times (Z1/Z2) / \eta_2$ $= 5.9 \times (15/30) / 0.95$ $= 3.1 \text{ kgf.m}$	2、 $T2=T1 \times (Z1/Z2) / \eta_2$ $= 42 \times (15/30) / 0.95$ $= 22.1 \text{ kgf.m}$
Load conditions 負荷條件	Find corrective torque according to load condition 根據運轉條件，確定補正所需的電機扭矩(T3): $T3=T2 \times K$ K: operation coefficient K: coefficient 運轉系數 Load classification 負荷等級 Duration of service per day 每天使用時間 0.5hr 2hr 8~10hr 10~24hr	T3=T2 × K $= 3.1 \times 1.25$ $= 3.875 \text{ kgf.m}$	T3=T2 × K $= 22.1 \times 1.25$ $= 27.62 \text{ kgf.m}$
Power 功率	Calculate the output power 確定減速電機的輸出功率 (P) $P=T3 \times 9.8 \times N2 / 9550$ $P=3.875 \times 9.8 \times 25.4 / 9550$ $= 0.10 \text{ (kw)}$	$P=T3 \times 9.8 \times N2 / 9550$ $= 27.62 \times 9.8 \times 25.4 / 9550$ $= 0.72 \text{ (kw)}$	

◆ According to power(P), reduction ratio(i) and the mode-reduction ratio reference table, to select the suitable reduction motor type.  
◆ 根據計算出的功率 (P) 和減速比 (i) , 結合公司產品目錄，選擇適用的減速電機型號

## ► NOTICE FOR ORDER 訂購須知

The customer should provide us the following information when you want to order HOULE reduction motor :  
◆ Basic parameters of reducer(including motor power, reduction ratio, output shaft diameter, motor model,etc.)  
◆ Painting on outside body: the color of HOULE series reduction motor is painted with gray, also we can paint according with customer's request.

訂購本公司減速電機時，請說明一下產品信息：

- ◆ 減速器的基本參數 (如電機功率、減速比、輸出軸直徑、安裝方式及產品型號等)
- ◆ 關於表面噴塗，如無指定，本公司該系列產品的表面顏色為中灰色，也可按用戶要求

## ► REDUCTION MOTOR SPECIFICATION 基本規範

	Item 項目	3-Phase reduction motor 三相交流減速電機		1-Phase reduction motor 單相交流減速電機	
		Motor 電機	Reducer 減速器	Brake 剎車器	Brake working when power off 斷電剎車型 DC90V
	Time duty 工作制式				Continuous running 連續運轉
	Insulation class 絶緣等級				Option of B class or F class B級或F級可選
	Starting duty 啓動方式	Direct start 全壓啓動		0.1KW/0.2KW/0.4KW	0.75KW~1.5KW
	Environment 適用環境			Running capacitor 運轉電容	Running & starting 運轉/啓動電容
	Reduce method 減速方式				Temperature 溫度: -10°C~+40°C
	Lubricating 潤滑方式				Humidity 濕度: ≤90%
	Housing material 外殼材質				Gear reduce 齒輪減速
	Brake 制動方式及使用電壓				Lubricant 封閉 潤滑油
					Alum alloy for 1#,2#,3# gear box 1#(18框)、2#(22框)、3#(28框)為鋁合金
					Steel plate for 4#,5#,6# gear box 4#(32框)、5#(40框)、6#(50框)為鑄鐵
	Action & Voltage 制動方式及使用電壓				

## 1-Phase motor rated current 單相電機額定電流

Output power 輸出功率	50Hz				60Hz			
	110V	115V	220V	230V	110V	115V	220V	230V
0.1KW	1.60	1.50	0.80	0.75	1.34	1.25	0.66	0.63
0.2KW	3.00	2.80	1.50	1.40	2.50	2.30	1.25	1.16
0.4KW	6.50	6.10	2.30	3.05	5.40	5.00	2.70	2.54
0.55KW	7.50	7.00	3.00	3.50	6.25	5.75	3.20	2.90
0.75KW	11.40	10.8	5.80	5.40	9.50	9.10	4.83	4.50
1.1KW	14.50	13.80	7.40	6.89	12.10	11.56	6.23	5.73
1.5KW	21.00	19.80	11.50	10.00	17.50	16.5	9.58	8.33

## 3-Phase motor rated current 三相電機額定電流

Output power 輸出功率	50Hz				60Hz			
	220V	380V	415V	440V	220V	380V	415V	440V
0.1KW	0.60	0.43	0.32	0.30	0.60	0.40	0.30	0.29
0.2KW	1.15	0.67	0.70	0.58	1.10	0.63	0.55	0.52
0.4KW	2.14	1.34	1.31	1.07	1.90	1.10	0.95	0.92
0.55KW	2.26	1.42	1.39	1.14	2.02	1.17	1.12	0.98
0.75KW	3.93	2.20	1.94	1.84	3.40	1.96	1.70	1.63
1.1KW	4.72	2.70	2.46	2.33	4.31	2.49	2.16	2.06
1.5KW	6.59	3.82	3.49	3.30	6.10	3.53	3.05	2.92
2.2KW	8.94	6.00	4.77	4.47	8.70	5.04	4.35	4.16
3.7KW	13.85	7.55	7.34	6.93	13.50	7.82	6.78	6.46
5.5KW	20.4	11.8	10.8	10.2	24.5	14.2	12.9	12.2

## ► OTHER DESCRIPTION OF REDUCTION MOTOR 其它描述

## Capacitor for 1-phase motor 單相電機配套電容

Rated power 額定功率	0.1KW	0.2KW	0.4KW	0.55KW	0.75KW	1.1KW	1.5KW
Running capacitor 運轉電容	7μF/450V	12μF/450V	16μF/450V	18μF/450V	18μF/450V	40μF/450V	50μF/450V
Starting capacitor 啓動電容	/	/	/	/	150μF/250V	200μF/250V	300μF/250V

## ► Standard Model Composition Table 標準機型構成表

Model 型號	Rated power 電機功率	Shaft Dim 軸徑	Ratio 減速比									kg·m							
			1/3	1/5	1/7.5	1/10	1/12.5	1/15	1/20	1/25	1/30	1/40	1/50	1/60	1/65	1/70	1/75	1/85	
減速機	0.1KW	18	1/30	1/40	1/50	1/60	1/65	1/70	1/75	1/85	1/90	1/100	1/110	1/120	1/140	1/160	1/180	1/200	kg·m
		22	1/70	1/80	1/90	1/100	1/120	1/160	1/180	1/200	1/13	1/5	1/7.5	1/10	1/12.5	1/15	1/20	1/25	
		18	1/30	1/40	1/50	1/60	1/70	1/80	1/90	1/100	1/12.5	1/15	1/20	1/25	1/30	1/40	1/50	1/60	
		22	1/70	1/80	1/90	1/100	1/120	1/160	1/200	1/250	1/12.5	1/15	1/20	1/25	1/30	1/40	1/50	1/60	
		28	1/120	1/130	1/200	1/250					1/120	1/130	1/200	1/250	1/120	1/130	1/200	1/250	
	0.2KW	22	1/30	1/40	1/50	1/60	1/70	1/80	1/90	1/100	1/12.5	1/15	1/20	1/25	1/30	1/40	1/50	1/60	
		28	1/70	1/80	1/90	1/100	1/120	1/160	1/200	1/250	1/12.5	1/15	1/20	1/25	1/30	1/40	1/50	1/60	
		28	1/120	1/130	1/200	1/250					1/120	1/130	1/200	1/250	1/120	1/130	1/200	1/250	
		32	1/100	1/120	1/160	1/180					1/100	1/120	1/160	1/180	1/100	1/120	1/160	1/180	
		32	1/30	1/40	1/50	1/60	1/70	1/80	1/90	1/100	1/12.5	1/15	1/20	1/25	1/30	1/40	1/50	1/60	
帶制動器減速機	0.4KW	22	1/30	1/40	1/50	1/60	1/70	1/80	1/90	1/100	1/12.5	1/15	1/20	1/25	1/30	1/40	1/50	1/60	
		28	1/70	1/80	1/90	1/100	1/120	1/130	1/200	1/250	1/12.5	1/15	1/20	1/25	1/30	1/40	1/50	1/60	
		32	1/100	1/120	1/160	1/180					1/100	1/120	1/160	1/180	1/100	1/120	1/160	1/180	
		32	1/120	1/160							1/120	1/160			1/120	1/160			
		40	1/135	1/150	1/200						1/135	1/150	1/200		1/135	1/150	1/200		
	0.75KW	28	1/30	1/40	1/50	1/60	1/70	1/80	1/90	1/100	1/12.5	1/15	1/20	1/25	1/30	1/40	1/50	1/60	
		32	1/100	1/120	1/160	1/180	1/200	1/250			1/100	1/120	1/160	1/180	1/200	1/250			
		40	1/135	1/150	1/200						1/135	1/150	1/200		1/135	1/150	1/200		
		40	1/120	1/160							1/120	1/160			1/120	1/160			
		40	1/135	1/150	1/200						1/135	1/150	1/200		1/135	1/150	1/200		
制動器減速機	1.5KW	28	1/3	1/5	1/7.5	1/10	1/12.5	1/15	1/20	1/30	1/40	1/50	1/60	1/70	1/80	1/90	1/100	1/120	
		32	1/30	1/40	1/50	1/60	1/70	1/80	1/90	1/100	1/12.5	1/15	1/20	1/25	1/30	1/40	1/50	1/60	
		32	1/165	1/180	1/200						1/165	1/180	1/200		1/165	1/180	1/200		
		40	1/100	1/120	1/135	1/150	1/200				1/100	1/120	1/135	1/150	1/200				
		40	1/120	1/160							1/120	1/160			1/120	1/160			
	2.2KW	32	1/3	1/5	1/7.5	1/10	1/12.5	1/15	1/20	1/25	1/30	1/40	1/50	1/60	1/70	1/80	1/90	1/100	
		32	1/30	1/40	1/50	1/60	1/70	1/80	1/90	1/100	1/12.5	1/15	1/20	1/25	1/30	1/40	1/50	1/60	
		40	1/60	1/70	1/80	1/90	1/100	1/110	1/120	1/135	1/150	1/200							
		50	1/15	1/20	1/25	1/30	1/40	1/50	1/55	1/60	1/70	1/75	1/80	1/90	1/100	1/110	1/120	1/135	
		50	1/15	1/20	1/25	1/30	1/40	1/50	1/55	1/60	1/70	1/75	1/80	1/90	1/100	1/110	1/120	1/135	
制動器減速機	3.7KW	40	1/3	1/5	1/7.5	1/10	1/12.5	1/15	1/20	1/25	1/30	1/40	1/50	1/60	1/70	1/80	1/90	1/100	
		50	1/15	1/20	1/25	1/30	1/40	1/50	1/55	1/60	1/70	1/75	1/80	1/90	1/100	1/110	1/120	1/135	
		50	1/15	1/20	1/25	1/30	1/40	1/50	1/55	1/60	1/70	1/75	1/80	1/90	1/100	1/110	1/120	1/135	
		50	1/15	1/20	1/25	1/30	1/40	1/50	1/55	1/60	1/70	1/75	1/80	1/90	1/100	1/110	1/120	1/135	
		60	1/30	1/40	1/50	1/60	1/70	1/80	1/90	1/100	1/12.5	1/15	1/20	1/25	1/30	1/40	1/50	1/60	
	5.5KW	50	1/3	1/5	1/7.5	1/10	1/12.5	1/15	1/20	1/25	1/30	1/40	1/50	1/60	1/65	1/75	1/80	1/90	
		60	1/30	1/40	1/50	1/60	1/70	1/80	1/90	1/100	1/12.5	1/15	1/20	1/25	1/30	1/40	1/50	1/60	
		60	1/30	1/40	1/50	1/55	1/60	1/65	1/75	1/80	1/90	1/100	1/12.5	1/15	1/20	1/25	1/30	1/40	
		60	1/30	1/40	1/50	1/55	1/60	1/65	1/75	1/80	1/90	1/100	1/12.5	1/15	1/20	1/25	1/30	1/40	
		60	1/30	1/40	1/50	1/55	1/60</												

## ▶ OUTPUT SHAFT DIAMETER TABLE 出力軸軸徑對照表

Normal Duty Type 標準型

Ratio 減速比	Power 功率									
	0.1KW	0.2KW	0.4KW	0.75KW	1.1KW	1.5KW	2.2KW	3.7KW	5.5KW	7.5KW
3	18	18	22	28	28	32	40	40	50	60
5	18	18	22	28	28	32	40	40	50	60
7.5	18	18	22	28	28	32	40	40	50	60
10	18	18	22	28	28	32	40	40	50	60
12.5	18	22	28	28	28	32	40	40	50	60
15	18	22	28	28	28	32	40	50	50	60
20	18	22	28	28	28	32	40	50	50	60
25	18	22	28	28	28	32	40	50	50	60
30	18	22	28	32	32	32	40	50	50	60
40	18	22	28	32	32	40	40	50	50	60
45	18	22	28	32	32	40	40	50	50	60
50	18	22	28	32	32	40	40	50	50	60
60	18	22	28	32	32	40	40	50	50	60
70	22	22	28	32	32	40	40	50	50	
80	22	22	28	32	32	40	50	50	60	
90	22	22	28	32	32	40	50	50	60	
100	22	28	32	32	32	40	50	50	60	
120	22	28	32	32	32	40	50			
160	22	28	32	40	40	50	50			
180	22	28	32			50	50			
200	22	28	32	40	40	50	50			
250~1800	28	32	32	50						

Light Duty Type 輕負載縮框型

Ratio 減速比	Power 功率									
	0.1KW	0.2KW	0.4KW	0.75KW	1.1KW	1.5KW	2.2KW	3.7KW	5.5KW	7.5KW
3				22		28	32			
5				22		28	32			
7.5				22		28	32			
10				22		28	32			
12.5				22		28				
15		18	22	22		28		40		
20		18	22	22		28		40		
25		18	22	22		28		40		
30		18	22	28	28	28		40		
40		18	22	28	28	32		40		
45		18	22	28	28	32	40	40		
50		18	22	28	28	32	40	40		
60		18	22	28	28	32	40	40		
70	18	18	22	28	28	32	40			
80	18	18	22	28	28	32	40			
90	18	18	22	28	28	32				
100	18	22	28	28	28	32				
120	18	22	28	28	28	40				
160	18	22	28	32	32	40				
180	18	22	28	32	32					
200	18	22	28	32	32					
250~1800	28	28	28	40						

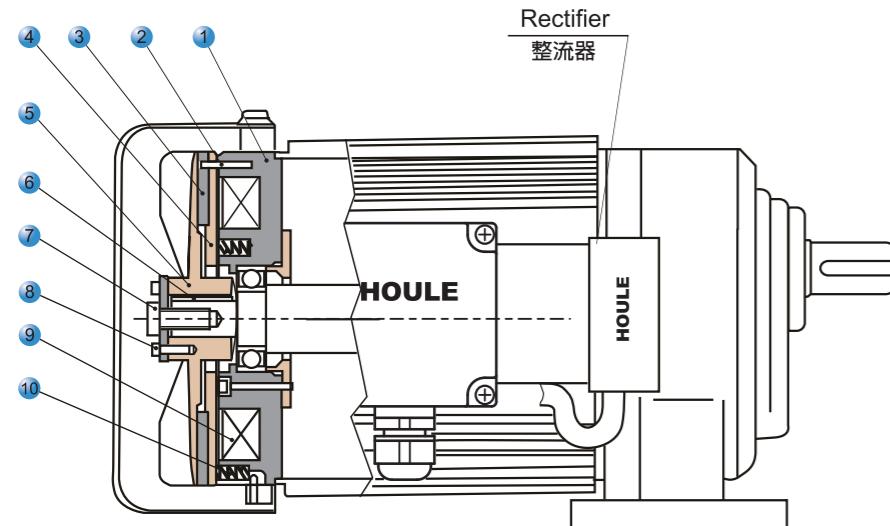
## ▶ OVERHUNG LOAD 輸出軸懸垂荷重

kg

Ratio 減速比	輸出轉速 Output R.P.M.	Overhung Load 輸出軸懸垂荷重																			
		0.1KW	0.2KW	0.4KW	0.75KW	1.5KW	2.2KW	3.7KW	5.5KW	7.5KW	Hz	50	60	50	60	50	60				
3	500	600	30	25	30	25	54	45	60	50	145	130	165	150	200	180	297	267	405	364	
5	300	360	36	30	36	30	78	70	85	75	165	150	210	180	270	225	401	334	547	456	
7.5	225	240	53	45	53	45	114	100	105	96.2	222	200	320	270	420	387	624	575	848	782	
10	150	180	70	60	70	60	150	130	125	117	280	250	430	360	570	550	847	817	1115	1111	
12.5	125	150	90	75	90	75	162	145	145	138	337	300	460	400	725	650	1077	966	1464	1313	
15	100	120	110	90	110	100	175	160	165	160	355	348	490	450	780	750	1159	1114	1576	1515	
20	75	90	150	125	135	125	190	170	175	170	369	365	540	500	850	830	1263	1233	1717	1676	
25	60	72	155	140	150	140	210	180	185	180	450	430	650	630	1100	1050	1635	1560	2223	2121	
30	50	60	150	170	170	165	235	220	215	215	400	480	450	690	650	1200	1100	1783	1635	2424	2223
40	38	45	160	160	180	180	270	260	260	260	420	580	550	710	670	1280	1200	1902	1783	2586	2424
50	30	36	170	170	180	180	350	335	345	345	440	600	580	850	820	1400	1350	2081	2006	2586	2424
60	25	30	180	180	180	180	350	350	450	450	450	630	610	900	900	1400	1400	2081	2081	2650	
70	21	25	180	180	180	180	350	350	460	460	670	650	1100	1100					</td		

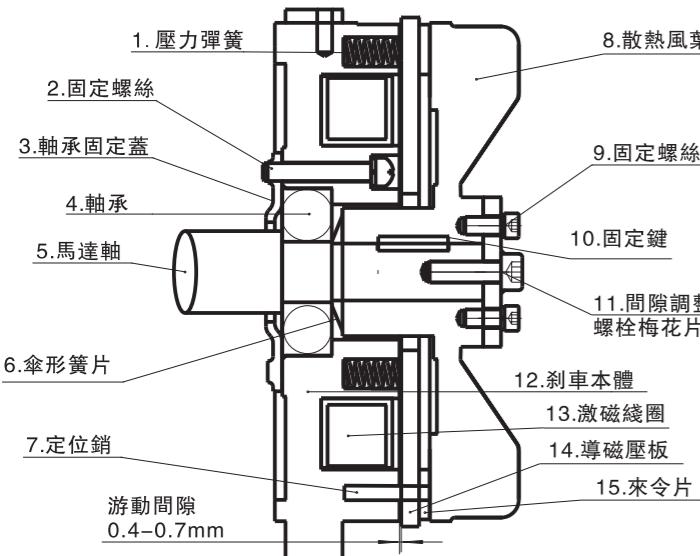
## ► BRAKE UNIT PARTS LIST AND ADJUSTMENT 剎車器結構和調整

The motor brake apparatus formed by spring, lining, brake plate, rectifier and winding, etc. To brake while power-off condition. The integrated design of the motor and brake makes the configuration compact. The lining, is wearable during high-frequency usage, and low in wear rate. 制動裝置由彈簧、摩擦片、整流器及線圈等組成，實現斷電即時制動。制動響應時間短。電機和制動器一體化設計，結構精巧，摩擦片可耐高頻率使用，磨損率低。

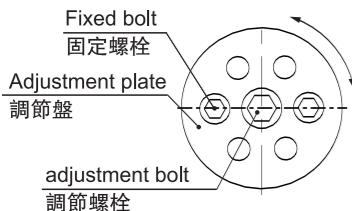


No 序號	Part name 零件名稱
1	Brake housing 剎車座
2	Fixed pin 定位銷
3	Friction brake disc 摩擦片
4	Friction plate 導磁壓板
5	Brake fan 風扇
6	Key 平鍵
7	Adjustment bolt 調節螺栓
8	Fixed bolt 固定螺栓
9	Brake coil 激磁線圈
10	Pressure spring 壓力彈簧

■ Brake unit section diagram 剎車零件圖

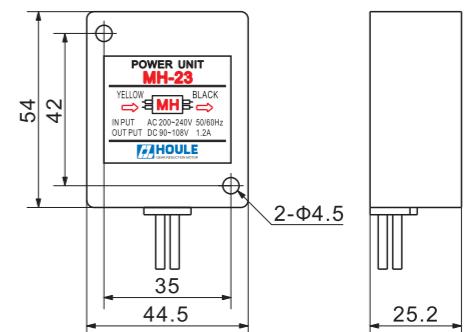


■ Adjusting brake clearance 剎車間隙的調整



1. Please remove two pieces fixed screws in advance  
請先移除兩個固定螺栓
2. Every single position adjustment, brake clearance will reduce 0.07~0.10mm  
旋轉調節螺栓，每順時針轉一孔，剎車間隙減小0.07~0.10mm，逆時針則增加。
3. After adjustment, tighten two pieces fixed screws  
調整合適後，旋緊兩個固定螺栓

 0.1KW~5.5KW  
WITH MANUAL RELEASE BRAKE MOTOR  
手動釋放剎車電機

 BRAKE RECTIFIER  
剎車整流器

 WITH MANUAL RELEASE BRAKE  
手動釋放剎車器

 DESCRIBE  
描述

1. Both braking and holding
2. Using a special armature, brake sound is small.
3. The range of braking torque can be adjusted by rotating the torque adjusting ring.
4. Can be released manually, even in the braking, holding state, can also pull the manual release handle to release the braking force.
5. Equipped with rubber dust cover, even in poor conditions can be used.

- 一、制動、保持兩用
- 二、采用獨自特殊的銜鐵，制動聲音小
- 三、通過轉動扭矩調整環，可以調整制動扭矩的範圍
- 四、可手動釋放，即使在制動、保持狀態，也可通過拉動手動釋放手柄來解除制動力
- 五、備有橡膠防塵罩，即使在較差環境下也可以使用。

**0.1KW~5.5KW**

**MEDIUM REDUCTION MOTOR  
WITH FORCED FAN**  
帶強制風扇減速電機



**FORCED FAN**

**強制風扇**



**EASY TO INSTALL**

**易安裝**

**BIG AIR VOLUME**

**大風量**

**HEAT DISSIPATION SOON**

**散熱快**



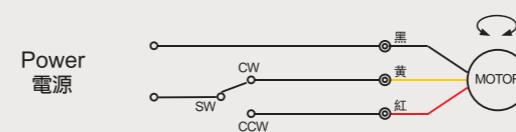
400W

**DESCRIBE**  
**描述**

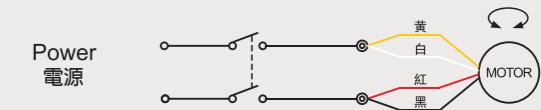
The forced fan has the characteristics of easy installation, smooth operation, large air volume, moisture-proof design, low noise, small vibration, high efficiency and energy saving. Independent power supply, mainly used for variable frequency speed motor, motor low speed operation can also ensure good heat dissipation, can also be widely used in various electronic equipment ventilation, heat dissipation.

該強制風扇，具有安裝方便，運行平穩，超大風量，防潮設計，噪音低、振動小、高效節能等特點。獨立電源供電，主要用于變頻調速電機，電機低速運行也能保證良好散熱，亦可廣泛應用於各種電子設備的通風、散熱。

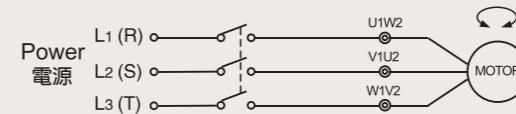
**Single-phase 220V 單相電機**



**Single-phase 220V 單相電機**

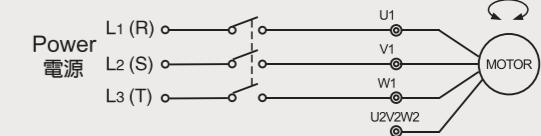


**Three-phase 220V 三相電機**



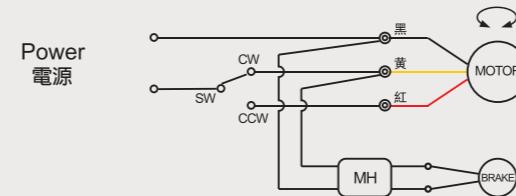
■ To change the rotation direction change any two connections among U,V and W. 若想使電機反方向旋轉，對換U/V/W線中任意兩條即可

**Three-phase 380V 三相電機**

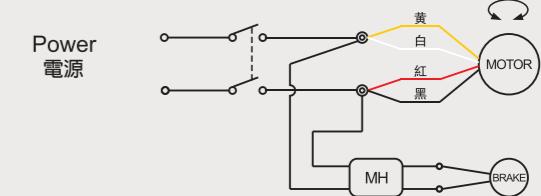


■ To change the rotation direction change any two connections among U,V and W. 若想使電機反方向旋轉，對換U/V/W線中任意兩條即可

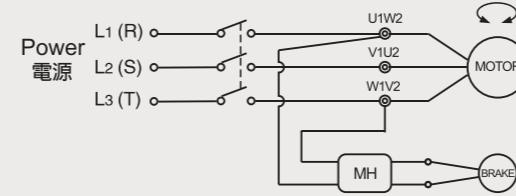
**Brake type single-phase 220V 刹車型單相電機**



**Brake type single-phase 220V 刹車型單相電機**

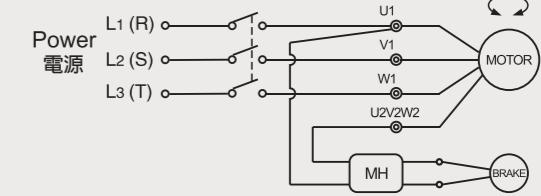


**Brake type three-phase 220V 刹車型三相電機**



■ To change the rotation direction change any two connections among U,V and W. 若想使電機反方向旋轉，對換U/V/W線中任意兩條即可

**Brake type three-phase 380V 刹車型三相電機**



■ To change the rotation direction change any two connections among U,V and W. 若想使電機反方向旋轉，對換U/V/W線中任意兩條即可

**0.1KW**

HORIZONTAL 卧式

1-PHASE/3-PHASE 單相/三相

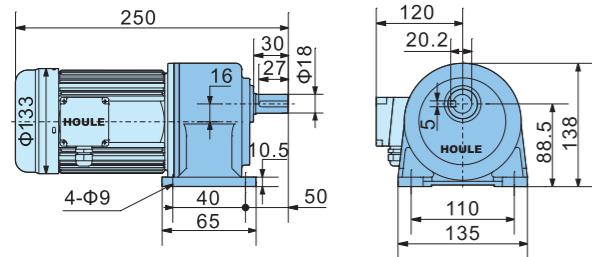


Dimensions chart 電機尺寸圖

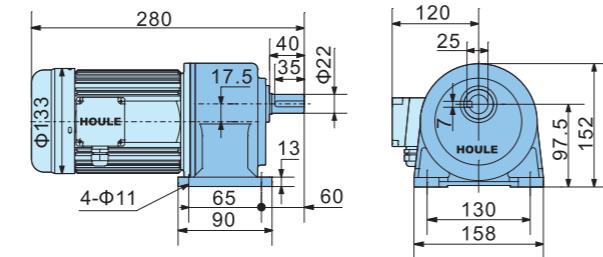
GHH18(5)-(3~60)K+100W S3F-X110

GHH18(5)-(70~200)K+100W S3F-X110

輕負載縮框型



GHH22(7)-(70~200)K+100W S3F-X100



**0.1KW**

VERTICAL 立式

1-PHASE/3-PHASE 單相/三相

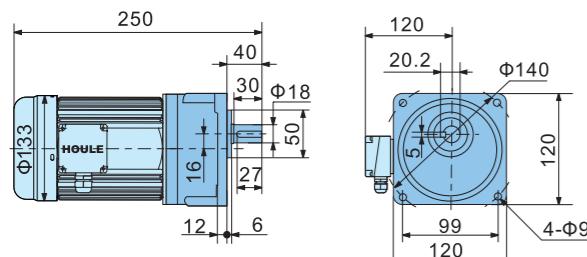


Dimensions chart 電機尺寸圖

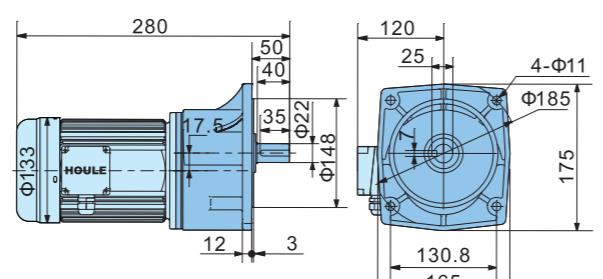
GHV18(5)-(3~60)K+100W S3F-X110

GHV18(5)-(70~200)K+100W S3F-X110

輕負載縮框型



GHV22(7)-(70~200)K+100W S3F-X110



100W

**0.2KW**

HORIZONTAL 卧式

1-PHASE/3-PHASE 單相/三相

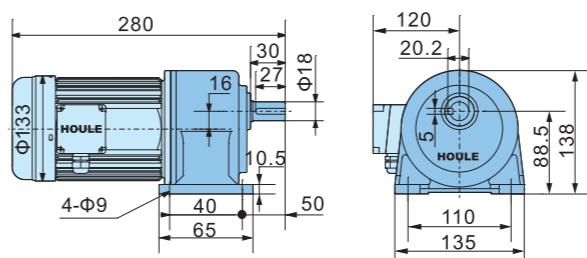


Dimensions chart 電機尺寸圖

GHH18(5)-(3~10)K+200W S3F-X110

GHH18(5)-(15~90)K+200W S3F-X110

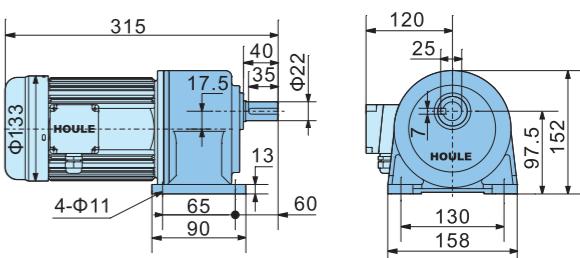
輕負載縮框型



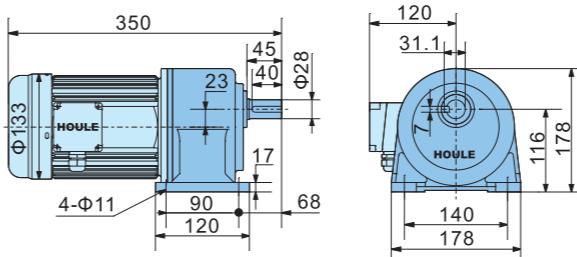
GHH22(7)-(12.5~90)K+200W S3F-X110

GHH22(7)-(100~200)K+200W S3F-X110

輕負載縮框型



GHH28(7)-(100~200)K+200W



200W

**0.2KW**

VERTICAL 立式

1-PHASE/3-PHASE 單相/三相

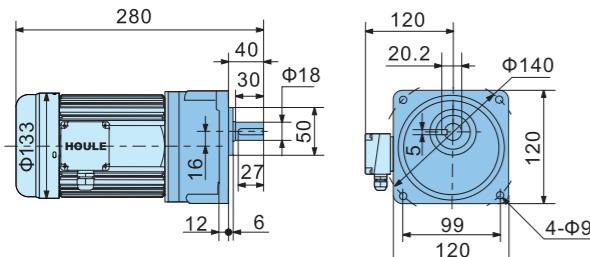


Dimensions chart 電機尺寸圖

**GHV18(5)-(3~10)K+200W S3F-X110**

GHV18(5)-(15~90)K+200W S3F-X110

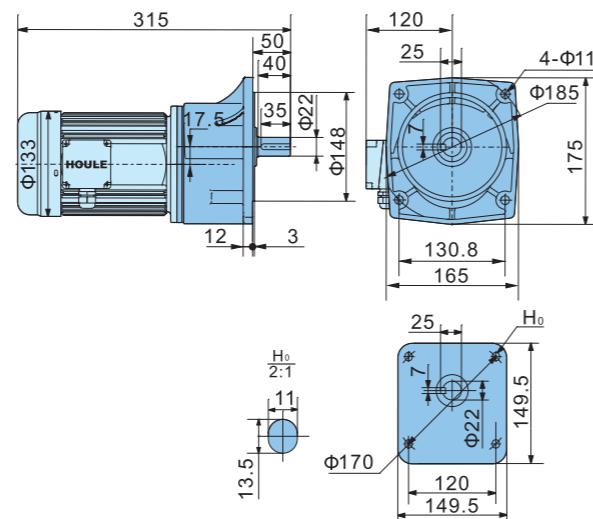
輕負載縮框型



**GHV22(7)-(12.5~90)K+200W S3F-X110**

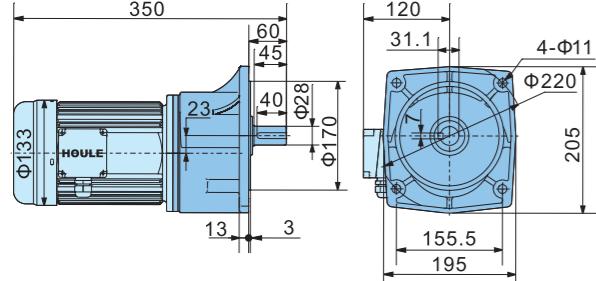
GHV22(7)-(100~200)K+200W S3F-X110

輕負載縮框型



B TYPE FLANG B型法蘭

**GHV28(7)-(100~200)K+200W S3F-X120**



200W

**0.4KW**

HORIZONTAL 臥式

1-PHASE/3-PHASE 單相/三相

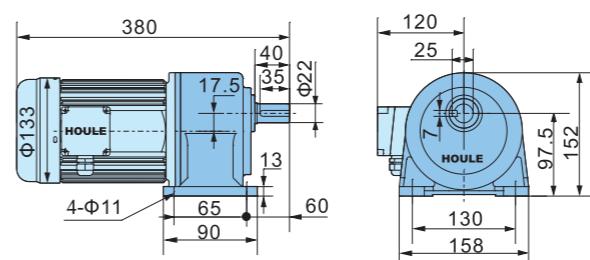


Dimensions chart 電機尺寸圖

**GHH22(7)-(3~10)K+400W S3F-X110**

GHH22(7)-(15~90)K+400W S3F-X110

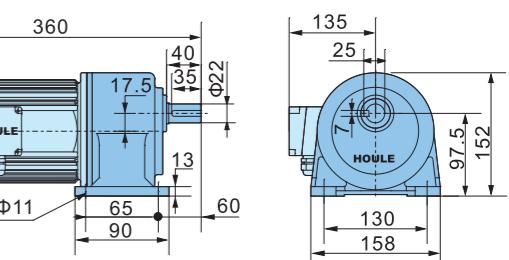
輕負載縮框型



**GHH22(7)-(3~10)K+400W S3F-X140**

GHH22(7)-(15~90)K+400W S3F-X140

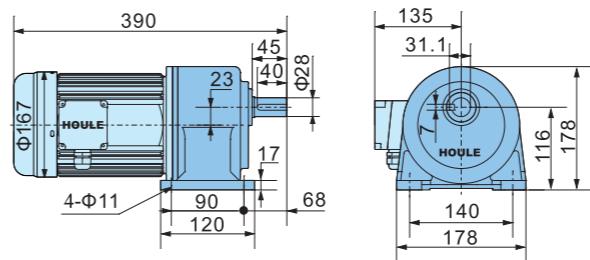
輕負載縮框型



**GHH28(7)-(15~90)K+400W S3F-X140**

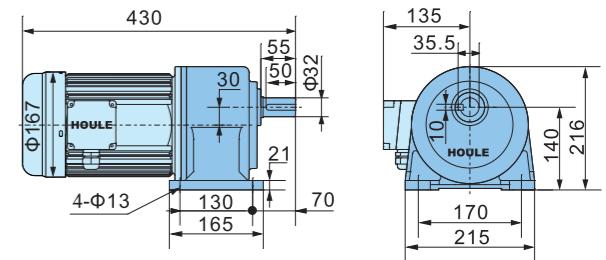
GHH28(7)-(100~200)K+400W S3F-X140

輕負載縮框型



**GHH32(10)-(100~200)K+400W S3F-X140**

GHH32(10)-(100~200)K+400W S3F-X140



**0.4KW**

VERTICAL 立式

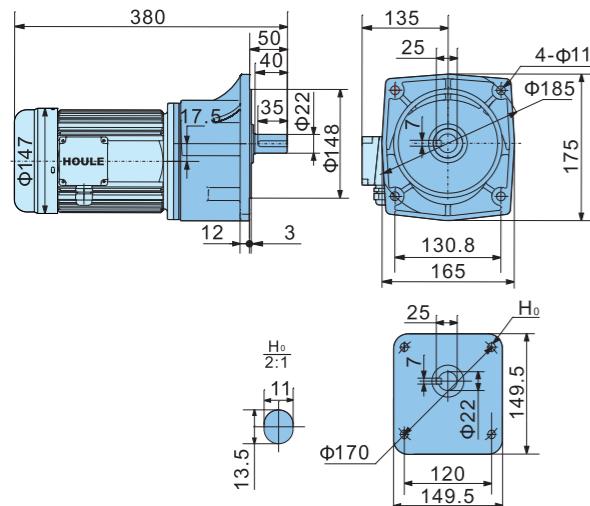
1-PHASE/3-PHASE 單相/三相



Dimensions chart 電機尺寸圖

**GHV22(7)-(3~10)K+400W S3F-X120**

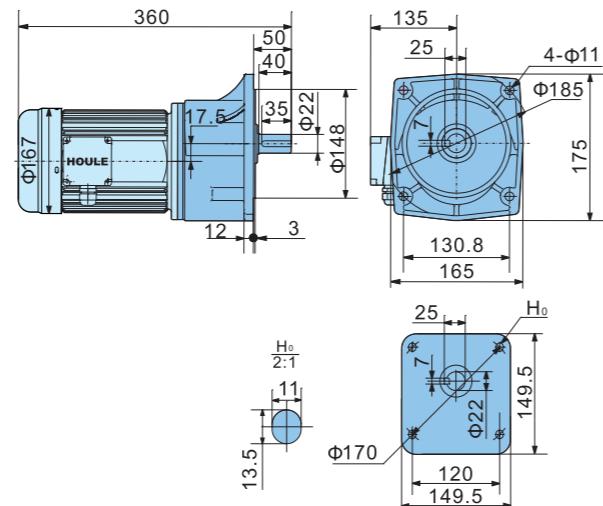
GHV22(7)-(12.5~90)K+400W S3F-X120  
輕負載縮框型



B TYPE FLANG B型法蘭

**GHV22(7)-(3~10)K+400W S3F-X140**

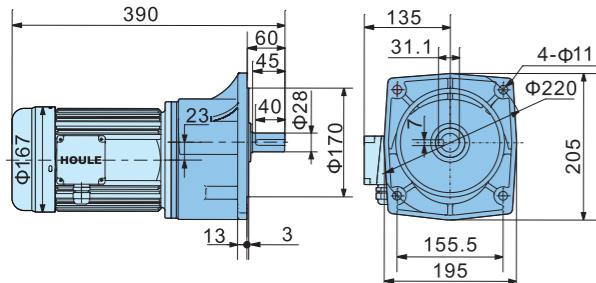
GHV22(7)-(12.5~90)K+400W S3F-X140  
輕負載縮框型



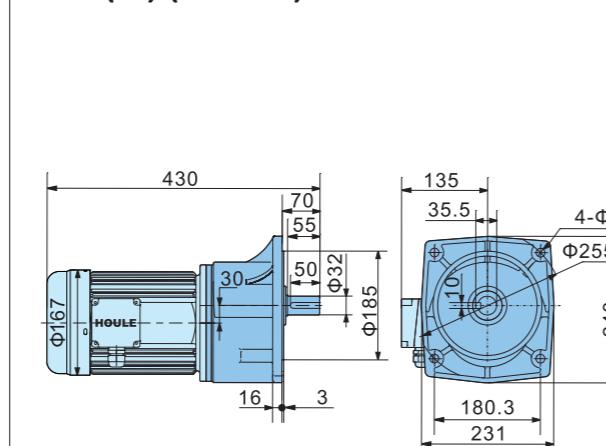
B TYPE FLANG B型法蘭

**GHV28(7)-(12.5~90)K+400W S3F-X140**

GHV28(7)-(100~200)K+400W S3F-X140  
輕負載縮框型



**GHV32(10)-(100~200)K+400W S3F-X140**



400W

**0.55KW**

HORIZONTAL 卧式

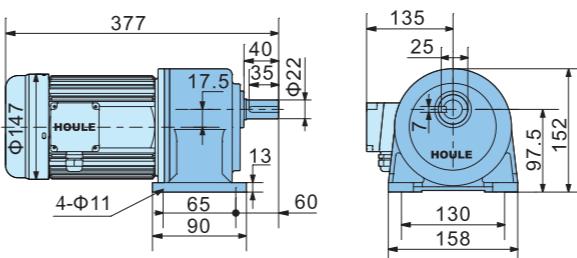
1-PHASE/3-PHASE 單相/三相



Dimensions chart 電機尺寸圖

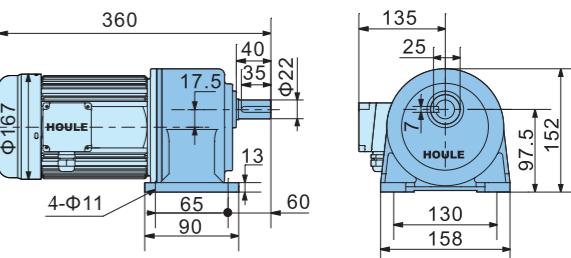
**GHH22(7)-(3~10)K+550W S3F-X120**

GHH22(7)-(15~90)K+550W S3F-X120  
輕負載縮框型



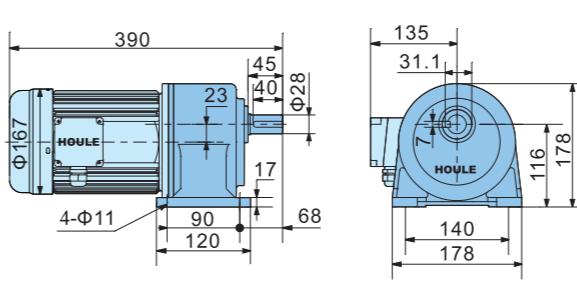
**GHH22(7)-(3~10)K+550W S3F-X140**

GHH22(7)-(15~90)K+550W S3F-X140  
輕負載縮框型

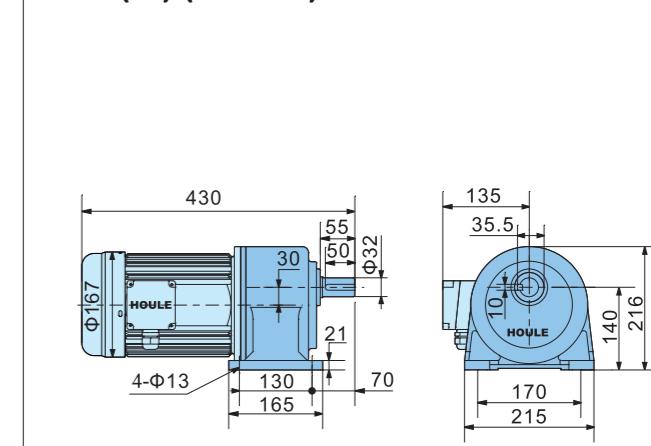


**GHH28(7)-(15~90)K+550W S3F-X140**

GHH28(7)-(100~200)K+550W S3F-X140  
輕負載縮框型



**GHH32(10)-(100~200)K+550W S3F-X140**



550W

**0.55KW**

VERTICAL 立式

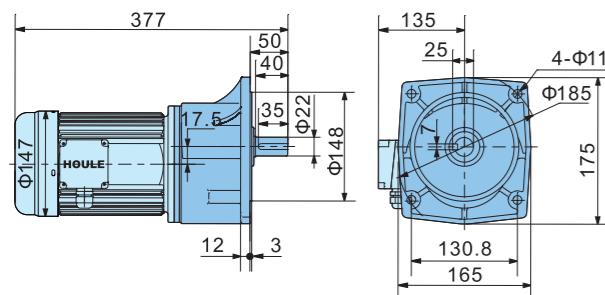
1-PHASE/3-PHASE 單相/三相



Dimensions chart 電機尺寸圖

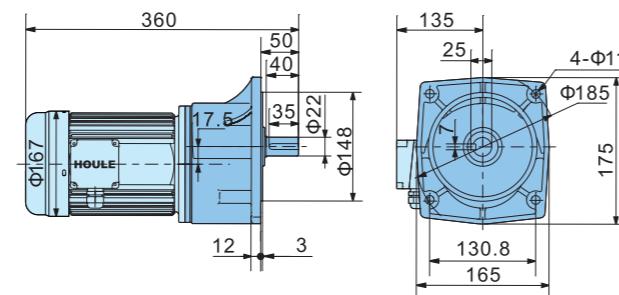
**GHV22(7)-(3~10)K+550W S3F-X120**

GHV22(7)-(12.5~90)K+550W S3F-X120  
輕負載縮框型



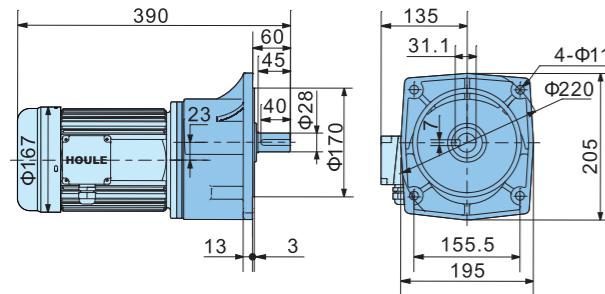
**GHV22(7)-(3~10)K+550W S3F-X140**

GHV22(7)-(12.5~90)K+550W S3F-X140  
輕負載縮框型

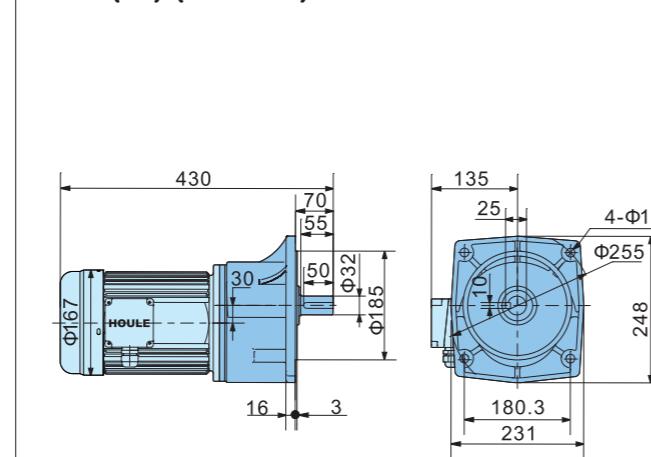


**GHV28(7)-(12.5~90)K+550W S3F-X140**

GHV28(7)-(100~200)K+550W S3F-X140  
輕負載縮框型



**GHV32(10)-(100~200)K+550W S3F-X140**



550W

**0.75KW**

HORIZONTAL 卧式

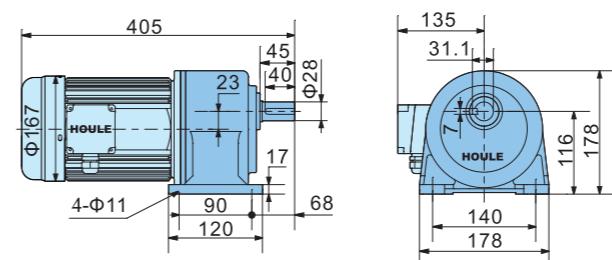
1-PHASE/3-PHASE 單相/三相



Dimensions chart 電機尺寸圖

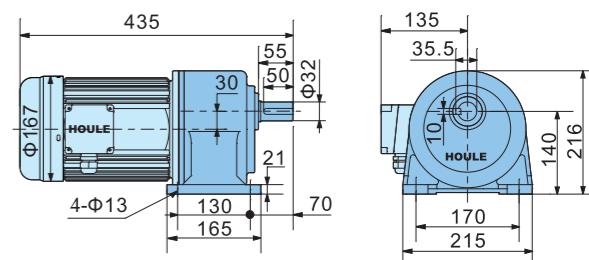
**GHH28(7)-(3~25)K+750W S3F-X140**

GHH28(7)-(30~120)K+750W S3F-X140  
輕負載縮框型

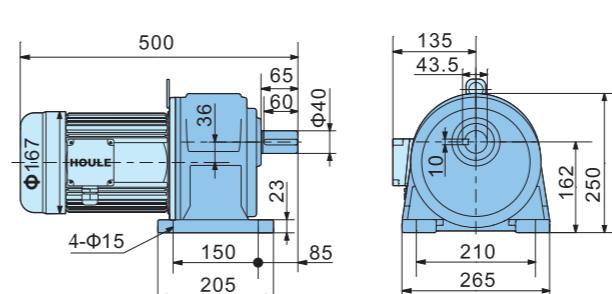


**GHH32(10)-(30~120)K+750W S3F-X140**

GHH32(10)-(160~200)K+750W S3F-X140  
輕負載縮框型



**GHH40(10)-(160~200)K+750W S3F-X140**



750W

**0.75KW**

VERTICAL 立式

1-PHASE/3-PHASE 單相/三相

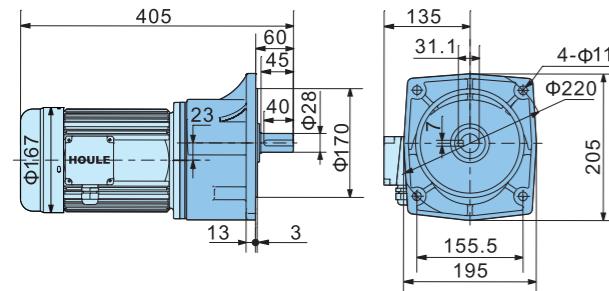


Dimensions chart 電機尺寸圖

**GHV28(7)-(3~25)K+750W S3F-X140**

GHV28(7)-(30~120)K+750W S3F-X140

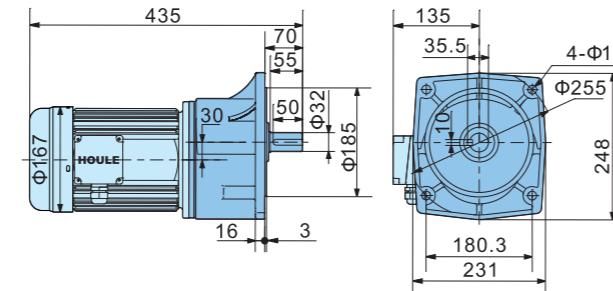
輕負載縮框型



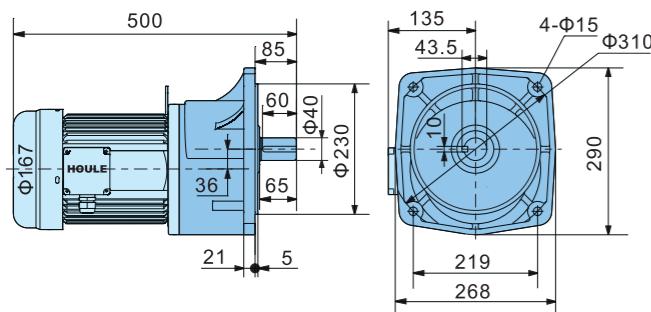
**GHV32(10)-(30~120)K+750W S3F-X140**

GHV32(10)-(160~200)K+750W S3F-X140

輕負載縮框型



**GHV40(10)-(160~200)K+750WS3F-X140**



**1.1KW**

HORIZONTAL 卧式

1-PHASE/3-PHASE 單相/三相

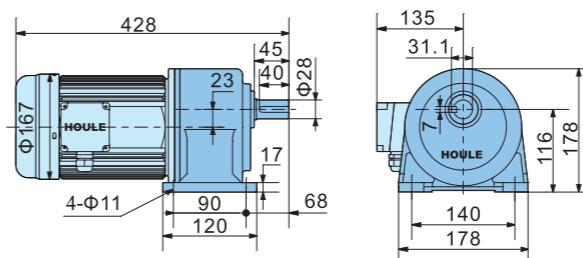


Dimensions chart 電機尺寸圖

**GHH28(7)-(3~25)K+1100WS3F-X140**

GHH28(7)-(30~120)K+1100WS3F-X140

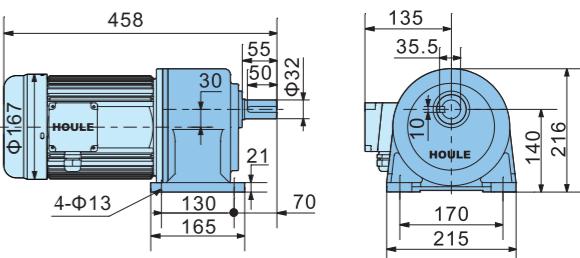
輕負載縮框型



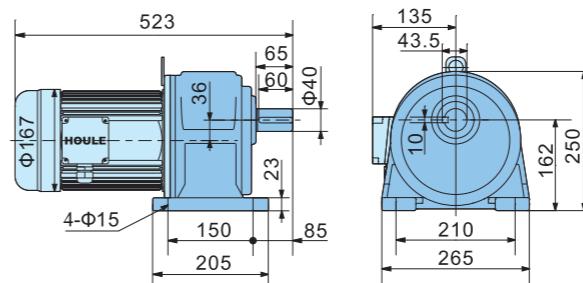
**GHH32(10)-(30~120)K+1100WS3F-X140**

GHH32(10)-(160~200)K+1100WS3F-X140

輕負載縮框型



**GHH40(10)-(160~200)K+1100WS3F-X140**



750W

1100W

**1.1KW**

VERTICAL 立式

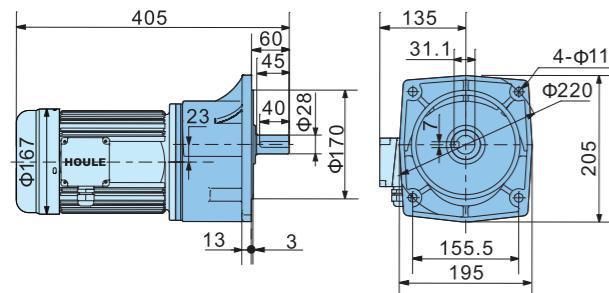
1-PHASE/3-PHASE 單相/三相



Dimensions chart 電機尺寸圖

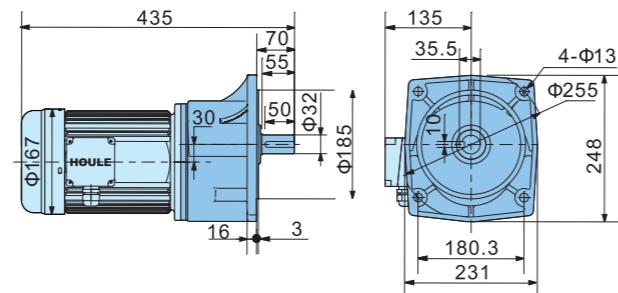
**GHV28(7)-(3~25)K+1100WS3F-X140**

GHV28(7)-(30~120)K+1100WS3F-X140  
輕負載縮框型

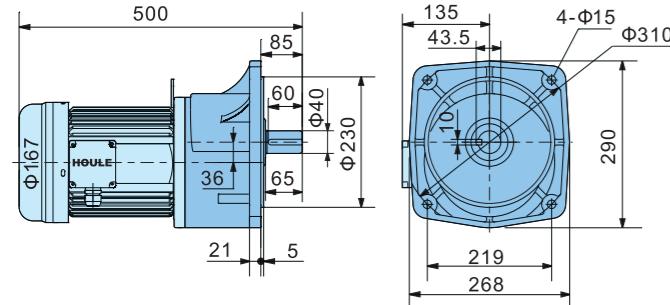


**GHV32(10)-(30~120)K+1100WS3F-X140**

GHV32(10)-(160~200)K+1100WS3F-X140  
輕負載縮框型



**GHV40(10)-(160~200)K+1100WS3F-X140**



1100W

**1.5KW**

HORIZONTAL 卧式

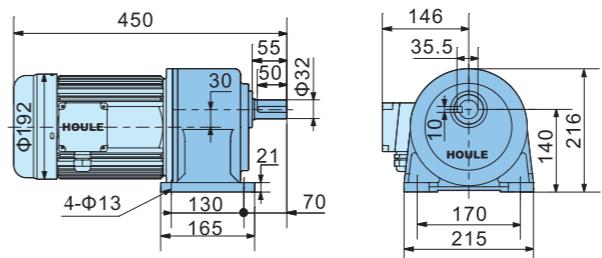
1-PHASE/3-PHASE 單相/三相



Dimensions chart 電機尺寸圖

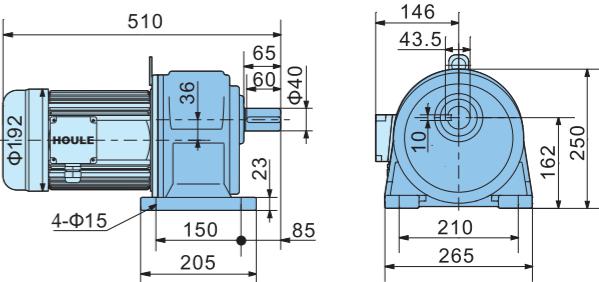
**GHH32(10)-(3~30)K+1500WS3F-X160**

GHH32(10)-(40~100)K+1500WS3F-X160  
輕負載縮框型

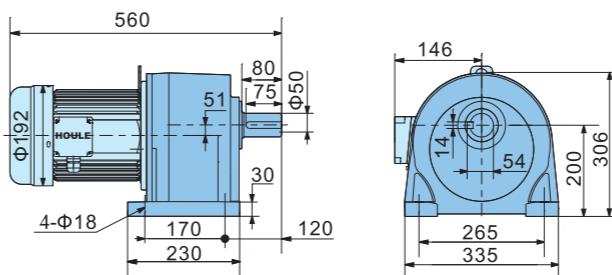


**GHH40(10)-(40~120)K+1500WS3F-X160**

GHH40(10)-(120~160)K+1500WS3F-X160  
輕負載縮框型



**GHH50(14)-(160~180)K+1500WS3F-X160**



1500W

**1.5KW**

VERTICAL 立式

1-PHASE/3-PHASE 單相/三相

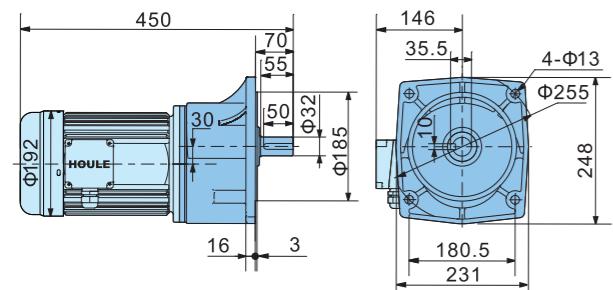


Dimensions chart 電機尺寸圖

**GHV32(10)-(3~30)K+1500WS3F-X160**

GHV32(10)-(40~100)K+1500WS3F-X160

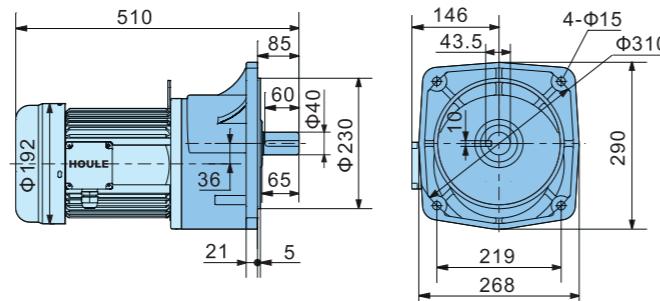
輕負載縮框型



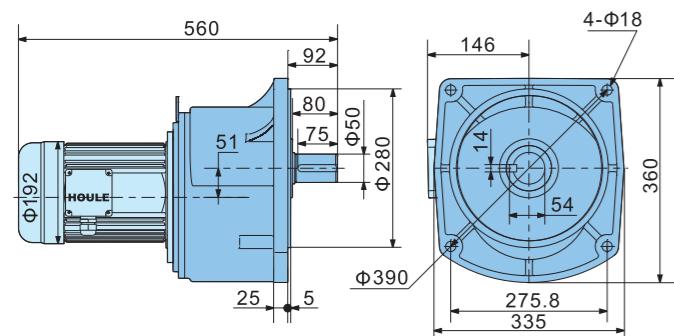
**GHV40(10)-(40~120)K+1500WS3F-X160**

GHV40(10)-(120~160)K+1500WS3F-X160

輕負載縮框型



**GHV50(14)-(160~180)K+1500WS3F-X160**



1500W

**2.2KW**

HORIZONTAL 卧式

3-PHASE 三相

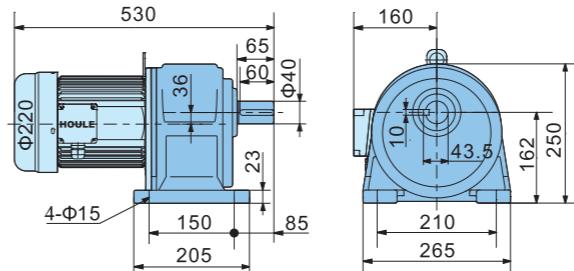


Dimensions chart 電機尺寸圖

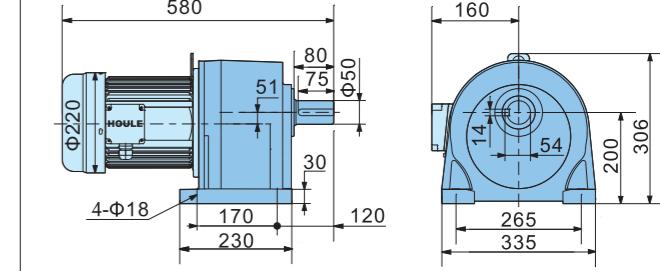
**GHH40(10)-(3~70)K+2200W S3F-X180**

GHH40(10)-(45~80)K+2200W S3F-X180

輕負載縮框型



**GHH50(14)-(80~100)K+2200W S3F-X180**



**2.2KW**

VERTICAL 立式

3-PHASE 三相

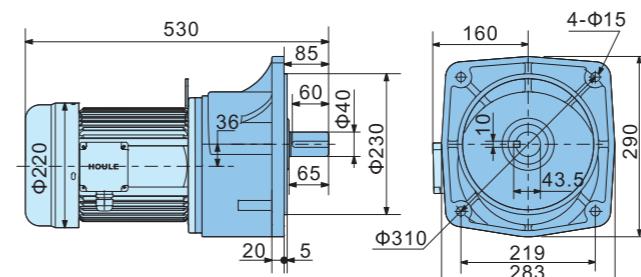


Dimensions chart 電機尺寸圖

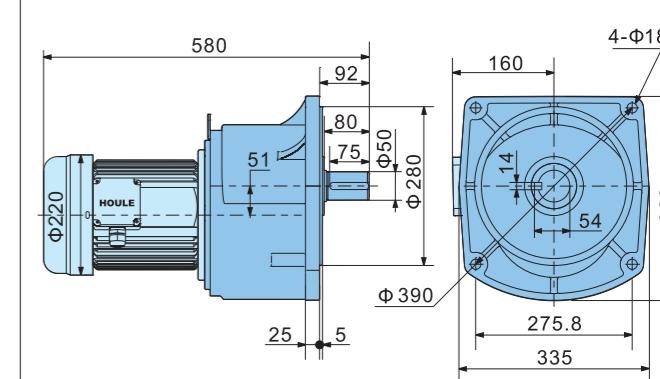
**GHV40(10)-(3~70)K+2200W S3F-X180**

GHV40(10)-(45~80)K+2200W S3F-X180

輕負載縮框型



**GHV50(14)-(80~100)K+2200W S3F-X180**



2200W

**3.7KW**  
**HORIZONTAL 卧式**  
**3-PHASE 三相**

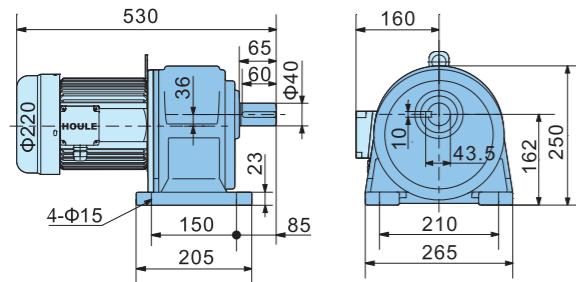


Dimensions chart 電機尺寸圖

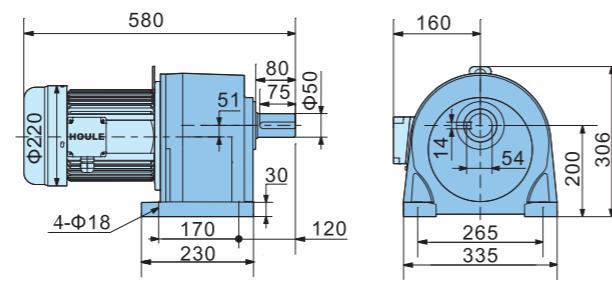
GHH40(10)-(3~12.5)K+3700W S3F-X180

GHH40(10)-(15~60)K+3700W S3F-X180

輕負載縮框型



GHH50(14)-(15~70)K+3700W S3F-X180



**3.7KW**  
**VERTICAL 立式**  
**3-PHASE 三相**

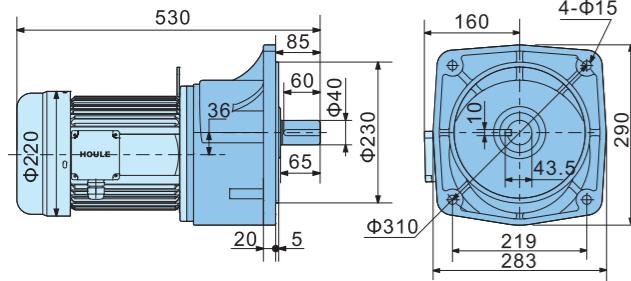


Dimensions chart 電機尺寸圖

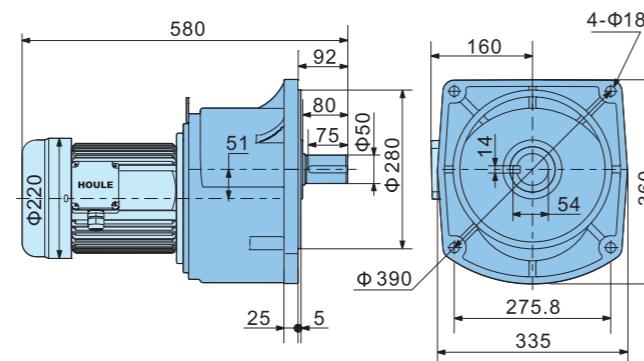
GHV40(10)-(3~12.5)K+3700W S3F-X180

GHV40(10)-(15~60)K+3700W S3F-X180

輕負載縮框型



GHV50(14)-(15~70)K+3700W S3F-X180

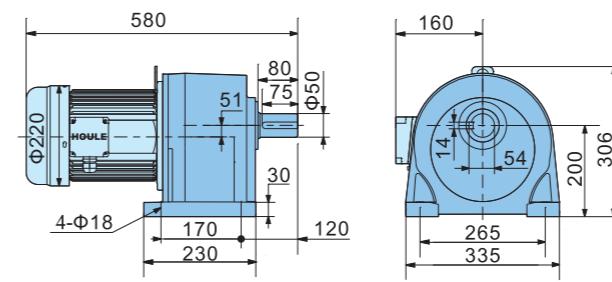


**5.5KW**  
**HORIZONTAL 卧式**  
**3-PHASE 三相**



Dimensions chart 電機尺寸圖

GHH50(14)-(3~75)K+5500W S3F-X180

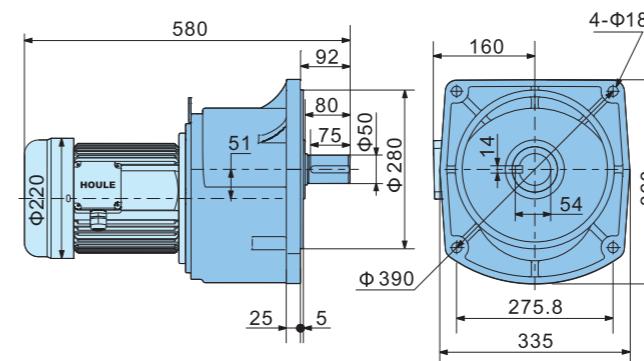


**5.5KW**  
**VERTICAL 立式**  
**3-PHASE 三相**

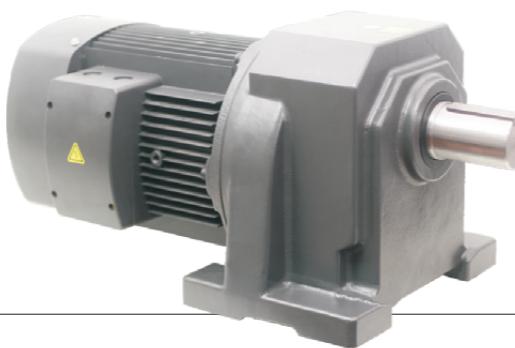


Dimensions chart 電機尺寸圖

GHV50(14)-(3~75)K+5500W S3F-X180

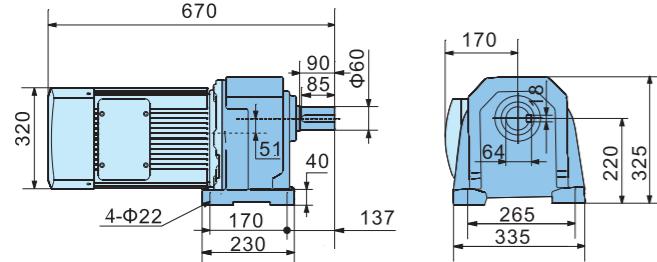


**5.5KW**  
**HORIZONTAL 卧式**  
**3-PHASE 三相**

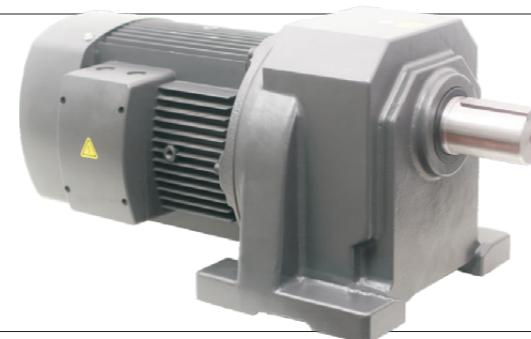


Dimensions chart 電機尺寸圖

GMH60(18)-(3~100)K+5500W S3F-X210

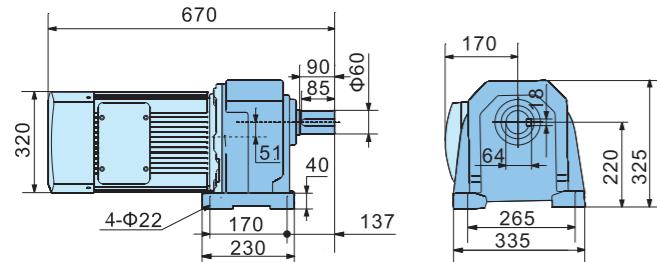


**7.5KW**  
**HORIZONTAL 卧式**  
**3-PHASE 三相**



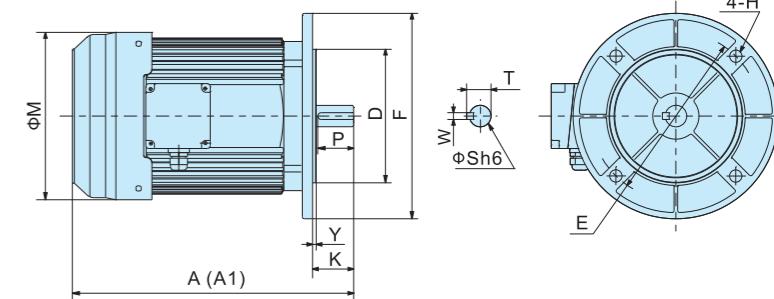
Dimensions chart 電機尺寸圖

GMH60(18)-(3~60)K+7500W S3F-X210



馬力 KW	FRAME 框號	A	A1	D	E	F	H	K	M	P	Sh6	T	W	Y
0.1KW 1/8HP	---	210	210	95	115	140	10	23	133	20	11	12.5	4	3.5
0.2KW 1/4HP	63	240	240	95	115	140	10	23	133	20	11	12.5	4	3.5
0.4KW 1/2HP	71	290	290	110	130	160	10	30	143	25	14	16	5	3.5
0.75KW 1HP	80	285	285	130	165	200	12	40	167	35	19	21.5	6	3.5
1.5KW 2HP	90L	370	370	130	165	200	12	50	192	45	24	27	8	3.5
2.2KW 3HP	100L	410	410	180	215	250	14.5	60	220	50	28	31	8	4
3.7KW 5HP	112L	450	450	180	215	250	14.5	60	220	50	28	31	8	4

**IEC MOTOR--B5**  
**標準IEC電機--B5**

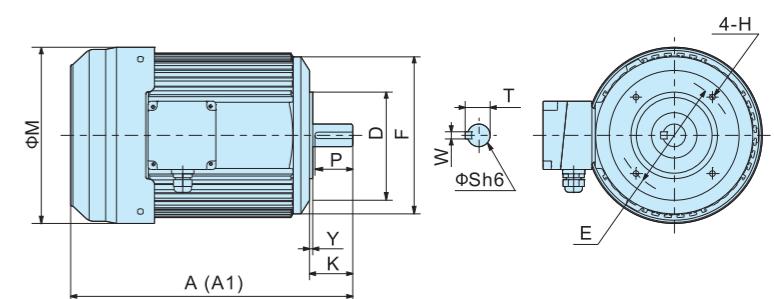


Dimensions chart 電機尺寸圖

馬力 KW	FRAME 框號	A	A1	D	E	F	H	K	M	P	Sh6	T	W	Y
0.1KW 1/8HP	---	210	210	95	115	140	10	23	133	20	11	12.5	4	3.5
0.2KW 1/4HP	63	240	240	95	115	140	10	23	133	20	11	12.5	4	3.5
0.4KW 1/2HP	71	290	290	110	130	160	10	30	143	25	14	16	5	3.5
0.75KW 1HP	80	285	285	130	165	200	12	40	167	35	19	21.5	6	3.5
1.5KW 2HP	90L	370	370	130	165	200	12	50	192	45	24	27	8	3.5
2.2KW 3HP	100L	410	410	180	215	250	14.5	60	220	50	28	31	8	4
3.7KW 5HP	112L	450	450	180	215	250	14.5	60	220	50	28	31	8	4

A1 is the length of brake motor A1 為剎車電機長度

**IEC MOTOR--B14**  
**標準IEC電機--B14**



Dimensions chart 電機尺寸圖

馬力 KW	FRAME 框號	A	A1	D	E	F	H	K	M	P	Sh6	T	W	Y
0.1KW 1/8HP	---	210	210	60	75	90	M5	23	133	20	11	12.5	4	1.8
0.2KW 1/4HP	63	240	240	60	75	90	M5	23	133	20	11	12.5	4	1.8
0.4KW 1/2HP	71	290	290	70	85	105	M6	30	143	25	14	16	5	2.5
0.75KW 1HP	80	285	285	80	100	120	M6	40	167	35	19	21.5	6	3
1.5KW 2HP	90L	370	370	95	115	140	M8	50	192	45	24	27	8	3

A1 is the length of brake motor A1 為剎車電機長度

**HIGH RATIO TYPE MEDIUM REDUCTION MOTOR**  
高速比中型減速電機



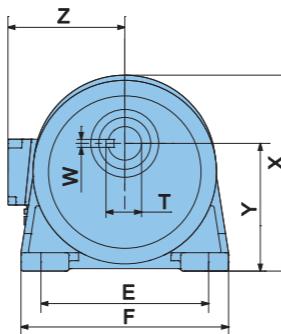
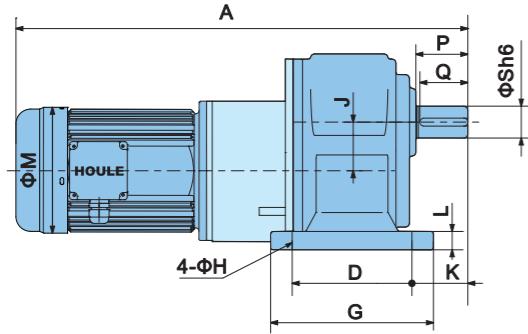
GLH32(10)+M22-1800K-X110+200W S3F-X110



GLV32(10)+M22-1800K-X110+200W S3F-X110

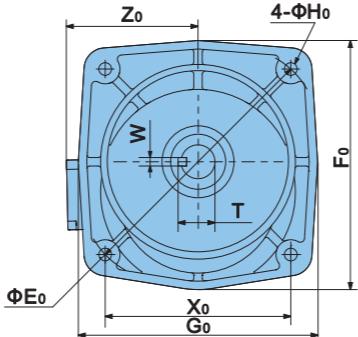
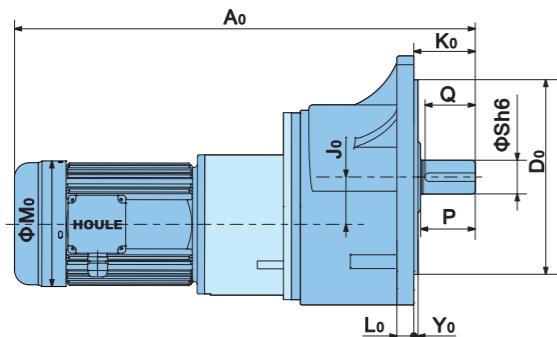
**HORIZONTAL 卧式**

**1-PHASE/3-PHASE 單相/三相**



**VERTICAL 立式**

**1-PHASE/3-PHASE 單相/三相**



**OUTPUT SHAFT 出力軸尺寸**

SIZE(S) 型番	SHAFT 出力軸		KEYWAY 鍵槽			KEY 鍵
	Sh6	P	W	T	Q	
22	Φ22	40	7	25	35	7*7*35
28	Φ28	45	7	31.1	40	7*7*40
32	Φ32	55	10	35.5	50	10*8*50
40	Φ40	65	10	43.5	60	10*8*60
50	Φ50	80	14	54	75	14*9*75

**HORIZONTAL HIGH RATIO TYPE 卧式高速比**

KW 馬力	RATIO 減速比	CODE 本體	SIZE(S) 型番	A	D	E	F	G	H	J	K	L	M	P	Q	S	T	X	Y	Z
0.1KW 1/8HP	250-1800	18+22	22	340	65	130	158	90	11	33.5	60	13	133	40	35	22	25	152	97.5	120
0.1KW 1/8HP	250-1800	18+28	28	353	90	140	178	120	11	39	68	17	133	45	40	28	31.1	178	116	120
0.2KW 1/4HP	250-1800	22+32	32	470	130	170	215	165	13	47.5	70	21	167	55	50	32	35.5	216	140	120
0.4KW 1/2HP	250-1800	28+40	40	547	150	210	265	205	15	59	85	23	167	65	60	40	43.5	250	162	135
0.55KW 3/4HP 0.75KW 1HP	250-1800	28+50	50	660	170	265	335	230	18	74	120	30	167	80	75	50	54	306	200	135
1.1KW 3/2HP 1.5KW 2HP	250-1800	32+50	50	680	170	265	335	230	18	81	120	30	192	80	75	50	54	306	200	135

**VERTICAL HIGH RATIO TYPE 立式高速比**

KW 馬力	RATIO 減速比	CODE 本體	SIZE(S) 型番	A₀	D₀	E₀	F₀	G₀	H₀	J₀	K₀	L₀	M₀	P	Q	S	T	X₀	Y₀	Z₀
0.1KW 1/8HP	250-1800	18+22	22	340	148	185	175	165	11	17.5	50	12	133	40	35	22	25	130.8	3	120
0.1KW 1/8HP	250-1800	18+28	28	350	170	220	205	195	11	23	60	13	133	45	40	28	31.1	155.5	3	120
0.2KW 1/4HP	250-1800	22+32	32	467	185	255	248	255	13	30	70	16	167	55	50	32	35.5	180.3	3	135
0.4KW 1/2HP	250-1800	28+40	40	562	230	310	290	268	15	36	85	21	167	65	60	40	43.5	219	5	135
0.55KW 3/4HP 0.75KW 1HP	250-1800	28+50	50	627	280	390	360	335	18	51	92	25	192	80	75	50	54	275.8	5	146
1.1KW 3/2HP 1.5KW 2HP	250-1800	32+50	50	679	280	390	360	335	18	51	92	25	192	80	75	50	54	275.8	5	146

**IEC INPUT-TYPE REDUCER**  
**IEC輸入型減速器**

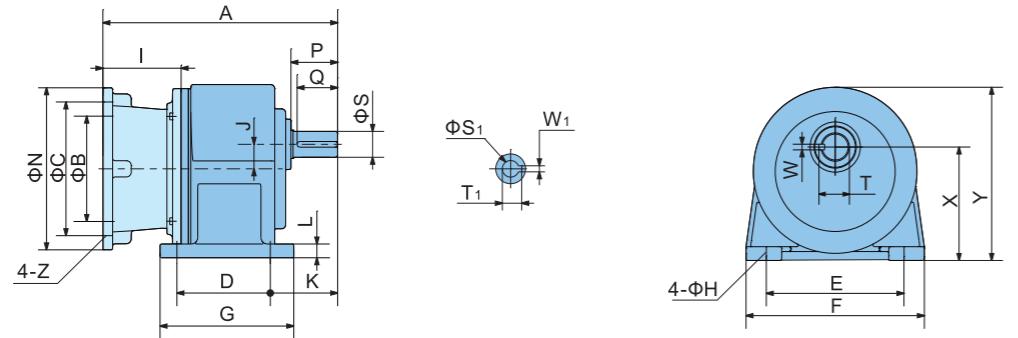


**HORIZONTAL 臥式**

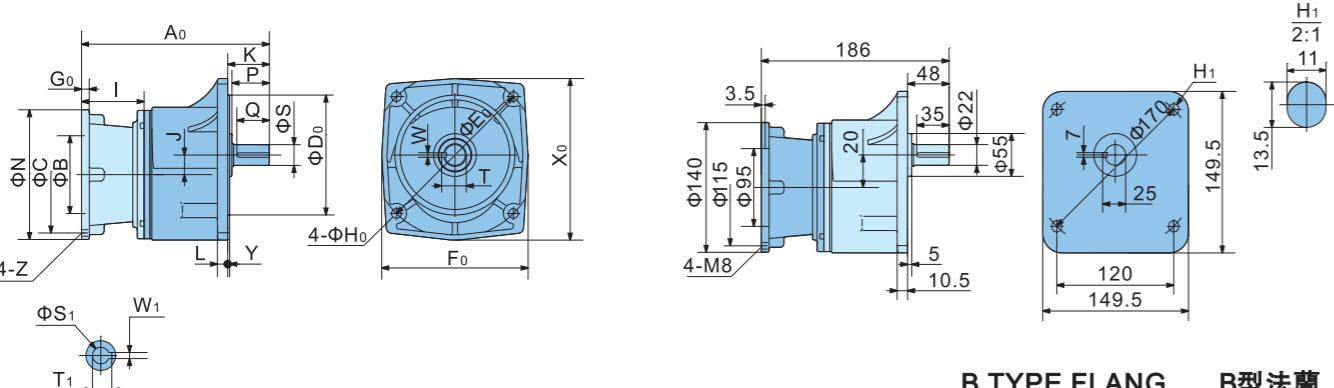


**VERTICAL 立式**

**HORIZONTAL IEC INPUT-TYPE 臥式IEC輸入型減速器**



**VERTICAL IEC INPUT-TYPE REDUCER 立式IEC輸入型減速器**



**B TYPE FLANG B型法蘭**

**INPUT BORE 入力孔尺寸**

馬力 KW	FLANGE 法蘭規格	BORE 入力孔	KEYWAY 鍵槽		
			S <sub>1</sub>	W <sub>1</sub>	T <sub>1</sub>
0.1KW 1/8HP					
0.2KW 1/4HP	B5-63	Φ11	4	12.8	
0.4KW 1/2HP	B5-71	Φ14	5	16.3	
0.55KW 3/4HP					
0.75KW 1HP	B5-80	Φ19	6	21.8	
1.1KW 3/2HP					
1.5KW 2HP	B5-90	Φ24	8	27.3	
2.2KW 3HP					
3.7KW 5HP	B5-112M	Φ28	8	31.5	

**OUTPUT SHAFT 出力軸尺寸**

SIZE(S) 型番	SHAFT 出力軸		KEYWAY 鍵槽		KEY 鍵	
	ΦS	P	W	T	Q	SPEC
18	Φ18	32	5	20.5	27	5*5*27
22	Φ22	40	7	25	35	7*5*35
28	Φ28	45	7	31.1	40	7*5*40
32	Φ32	55	10	35.5	50	10*5*50
40	Φ40	70	10	43.5	63	10*5*60
50	Φ50	75	14	54	70	14*5*75

**HORIZONTAL IEC INPUT-TYPE REDUCER**  
**卧式 IEC 輸入型減速器**

KW 馬力	FLANG 法蘭	RATIO 減速比	SIZE(S) 型番	A	B	C	D	E	F	G	H	I	J	K	L	N	X	Y	Z
<b>0.1KW 1/8HP</b>	B5-63	3-10	18	150	95	115	40	110	134	64	9	47	16	50	10.5	140	138	85	M8
		15-90	22	185	95	115	65	130	158	90	11	47	17.5	60	13	140	152	97.5	M8
		100-200	28	217	95	115	90	140	178	120	11	47	23.5	68	17	140	178	116	M8
<b>0.4KW 1/2HP</b>	B5-71	3-10	22	190	110	130	65	130	158	90	11	54	17.5	60	13	160	152	97.5	M10
		15-90	28	222	110	130	90	140	178	120	11	54	23.5	68	17	160	178	116	M10
		100-200	32	263	110	130	130	170	215	165	13	54	30	70	21	160	216	140	M10
<b>0.55KW 3/4HP</b>	B5-80	3-25	28	245	130	165	90	140	175	125	11	79	23.5	68	17	200	178	116	M10
		30-120	32	287	130	165	130	170	215	165	13	79	30	70	21	200	216	140	M10
		125-200	40	311	130	165	150	210	265	205	15	79	36	85	23	200	250	162	M10
<b>1.1KW 3/2HP</b>	B5-90	3-30	32	287	130	165	130	170	215	165	13	79	30	70	21	200	216	140	M10
		40-100	40	311	130	165	150	210	265	205	15	79	36	85	23	200	250	162	M10
		45-100	50	391	180	215	170	265	335	230	18	92.5	51	120	30	250	306	200	M10
<b>2.2KW 3HP</b>	B5-112M	3-40	40	329	180	215	150	210	265	205	15	92.5	36	85	23	250	250	162	M10
		45-100	50	391	180	215	170	265	335	230	18	92.5	51	120	30	250	306	200	M10
		15-60	50	391	180	215	170	265	335	230	18	92.5	51	120	30	250	306	200	M10

**VERTICAL IEC INPUT-TYPE REDUCER**  
**立式 IEC 輸入型減速器**

KW 馬力	FLANG 法蘭	RATIO 減速比	SIZE(S) 型番	A <sub>0</sub>	B	C	D <sub>0</sub>	E <sub>0</sub>	F <sub>0</sub>	G <sub>0</sub>	H <sub>0</sub>	I	J	K <sub>0</sub>	L <sub>0</sub>	N	X <sub>0</sub>	Y <sub>0</sub>	Z
<b>0.1KW 1/8HP</b>	B5-63	3-10	18	150	95	115	50	140	120	3.5	9	47	16	40	12	140	120	6	M8
		15-90	22	182	95	115	148	185	165	3.5	11	47	17.5	50	12	140	175	3	M8
		100-200	28	217	95	115	170	220	195	3.5	11	47	23	60	13	140	205	3	M8
<b>0.4KW 1/2HP</b>	B5-71	3-10	22	187	110	130	148	185	175	4	11	54	17.5	50	12	160	175	3	M10
		15-90	28	219	110	130	170	220	195	3.5	11	54	17.5	60	13	160	205	3	M10
		100-200	32	260	110	130	185	255	255	4	13	54	30	70	16	160	248	3	M10
<b>0.55KW 3/4HP</b>	B5-80	3-25	28	243	130	165	170	220	195	3.5	11	79	17.5	60	13	200	205	3	M10
		30-120	32	283	130	165	185	255	255	4	13	79	30	70	16	200	248		

**IEC INPUT-TYPE HIGH RATIO REDUCER**  
IEC輸入型高速比減速器

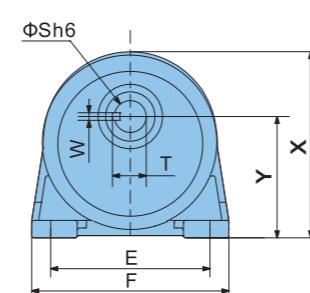
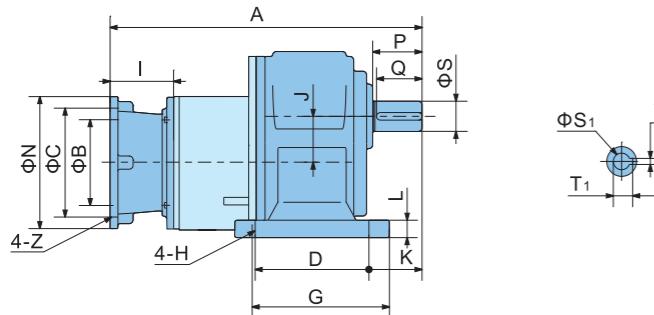


GLH28(7)+M18-1800K-B5-63  
HORIZONTAL 卧式

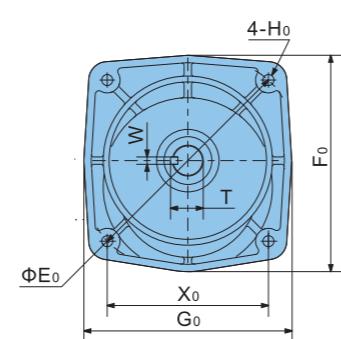
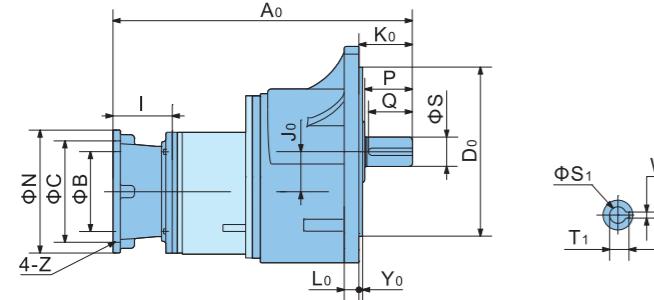


GLV28(7)+M18-1800K-B5-63  
VERTICAL 立式

**HORIZONTAL HIGH RATIO TYPE** 卧式输入法蘭高速比



**VERTICAL HIGH RATIO TYPE** 立式输入法蘭高速比



**INPUT BORE** 入力孔尺寸

馬力 KW	FLANGE 法蘭規格	BORE 入力孔	KEYWAY 鍵槽		
			S <sub>1</sub>	W <sub>1</sub>	T <sub>1</sub>
0.1KW 1/8HP	B5-63	Φ11	4	12.8	
0.2KW 1/4HP					
0.4KW 1/2HP	B5-71	Φ14	5	16.3	
0.55KW 3/4HP 0.75KW 1HP	B5-80	Φ19	6	21.8	
1.1KW 3/2HP 1.5KW 2HP	B5-90	Φ24	8	27.3	

**OUTPUT SHAFT** 出力軸尺寸

SIZE(S) 型番	SHAFT 出力軸		KEYWAY 鍵槽			KEY 鍵
	ΦS	P	W	T	Q	
22	Φ22	40	7	25	35	7*7*35
28	Φ28	45	7	31.1	40	7*7*40
32	Φ32	55	10	35.5	50	10*8*50
40	Φ40	70	10	43.5	60	10*8*60
50	Φ50	75	14	54	75	14*9*75

**HORIZONTAL HIGH RATIO TYPE** 卧式高速比

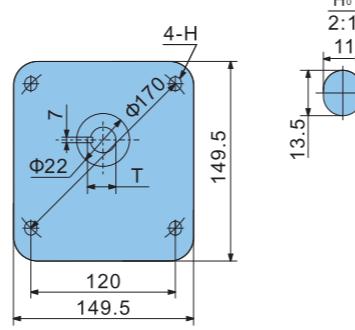
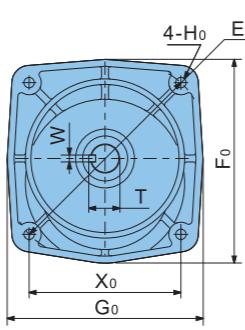
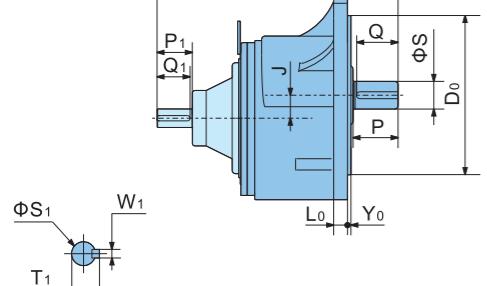
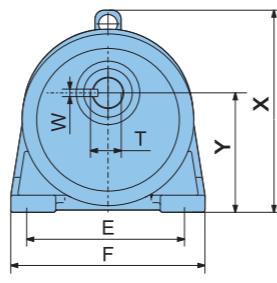
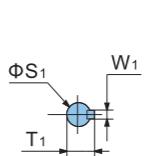
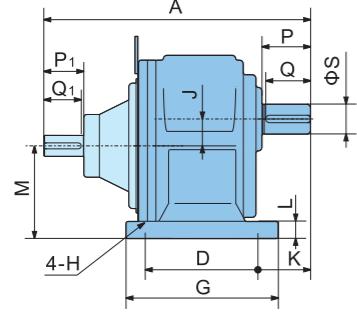
KW 馬力	FLANG 法蘭	RATIO 減速比	CODE 本體	SIZE(S) 型番	A	B	C	D	E	F	G	H	I	J	K	L	N	X	Y	Z
0.1KW 1/8HP	B5-63	250-1800	18+22	22	250	95	115	65	130	158	90	11	47	33.5	60	13	140	152	97.5 M8	
		250-1800	18+28	28	278	95	115	90	140	178	120	11	47	39	68	17	140	178	116 M8	
0.2KW 1/4HP	B5-71	250-1800	22+32	32	340	95	115	130	170	215	165	13	47	47.5	70	21	140	216	140 M10	
		250-1800	28+40	40	402	110	130	150	210	265	205	15	54	59	85	23	160	250	162 M10	
0.55KW 3/4HP 0.75KW 1HP	B5-80	250-1800	28+50	50	494	110	130	170	265	335	230	18	54	74	120	30	160	306	200 M10	
		250-1800	32+50	50	517	130	165	170	265	335	230	18	79	81	120	30	200	250	162 M10	
1.1KW 3/2HP 1.5KW 2HP	B5-90	250-1800																		

**VERTICAL HIGH RATIO TYPE** 立式高速比

KW 馬力	FLANG 法蘭	RATIO 減速比	CODE 本體	SIZE(S) 型番	A <sub>0</sub>	B	C	D <sub>0</sub>	E <sub>0</sub>	F <sub>0</sub>	G <sub>0</sub>	H <sub>0</sub>	I	J	K <sub>0</sub>	L <sub>0</sub>	N	X <sub>0</sub>	Y <sub>0</sub>	Z
0.1KW 1/8HP	B5-63	250-1800	18+22	22	246	95	115	148	185	175	165	11	47	33.5	50	12	140	130.8	3 M8	
		250-1800	18+28	28	278	95	115	170	220	205	195	11	47	39	68	13	140	155.5	3 M8	
0.2KW 1/4HP	B5-71	250-1800	22+32	32	337	95	115	185	255	248	255	13	47	47.5	70	16	140	180.3	3 M10	
		250-1800	28+40	40	392	110	130	230	310	290	268	15	54	59	85	21	160	219	5 M10	
0.55KW 3/4HP 0.75KW 1HP	B5-80	250-1800	28+50	50	487	110	130	280	390	360	335	18	54	74	92	25	160	275.8	5 M10	
		250-1800	32+50	50	511	130	165	280	390	360	335	18	79	81	92	25	200	275.8	5 M10	

**SHAFT INPUT-TYPE REDUCER**  
軸輸入型減速器

**GLH28(7)-200K+200W**  
**HORIZONTAL 卧式**

**GLV28(7)-90K+400W**  
**VERTICAL 立式**

**B TYPE FLANG B型法蘭**
**INPUT BORE 入力孔尺寸**

馬力 KW	SHAFT 入力軸		KEYWAY 鍵槽		KEY 鍵 SPEC	
	S <sub>1</sub>	P <sub>1</sub>	W <sub>1</sub>	T <sub>1</sub>		
0.1KW 1/8HP	Φ14	23	5	16.2	22	5*5*22
0.2KW 1/4HP						
0.4KW 1/2HP	Φ16	28	5	18.2	27	5*5*27
0.55KW 3/4HP						
0.75KW 1HP	Φ19	38	6	21.7	35	6*6*35
1.1KW 3/2HP						
1.5KW 2HP	Φ24	48	8	27.1	45	8*7*45
2.2KW 3HP						
3.7KW 5HP	Φ28	53	8	33	50	8*7*50

**OUTPUT SHAFT 出力軸尺寸**

SIZE(S) 型番	SHAFT 出力軸		KEYWAY 鍵槽		KEY 鍵 SPEC	
	φS	P	W	T		
18	Φ18	32	5	20.5	27	5*5*27
22	Φ22	40	7	25	35	7*7*35
28	Φ28	45	7	31.1	40	7*7*40
32	Φ32	55	10	35.5	50	10*8*50
40	Φ40	70	10	43.5	60	10*8*60
50	Φ50	75	14	54	75	14*9*75

**HORIZONTAL TYPE 卧式**

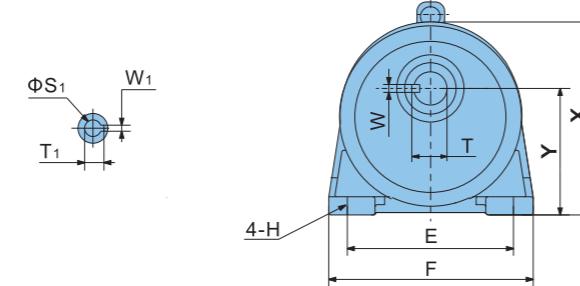
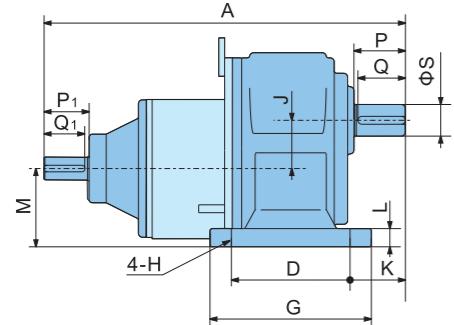
馬力 KW	RATIO 減速比	SIZE(S) 型番	A	D	E	F	G	H	J	K	L	M	X	Y
0.1KW 1/8HP	3-60	18	162	40	110	134	64	9	16	50	10.5	69	138	85
	70-200	22	202	65	130	158	90	11	17.5	60	13	80	152	97.5
0.2KW 1/4HP	3-10	18	162	40	110	134	64	9	16	50	10.5	69	138	85
	15-90	22	202	65	130	158	90	11	17.5	60	13	80	152	97.5
	100-200	28	244	90	140	178	120	11	23	68	17	99	178	116
0.4KW 1/2HP	3-10	22	202	65	130	158	90	11	17.5	60	13	80	152	97.5
	15-90	28	244	90	140	178	120	11	23	68	17	99	178	116
	100-200	32	310	130	170	215	165	13	30	70	21	110	216	140
0.55KW 3/4HP 0.75KW 1HP	3-25	28	244	90	140	178	120	11	23	68	17	99	178	116
	30-120	32	310	130	170	215	165	13	30	70	21	110	216	140
	140-200	40	357	150	210	265	205	15	36	85	23	126	250	162
1.1KW 3/2HP 1.5KW 2HP	3-30	32	310	130	170	215	165	13	30	70	21	110	216	140
	40-100	40	357	150	210	265	205	15	36	85	23	126	250	162
2.2KW 3HP	3-40	40	357	150	210	265	205	15	36	85	23	126	250	162
	45-100	50	415	170	265	335	230	18	51	120	30	149	306	200
3.7KW 5HP	3-40	40	357	150	210	265	205	15	36	85	23	126	250	162
	45-100	50	415	170	265	335	230	18	51	120	30	149	306	200

**VERTICAL TYPE 立式**

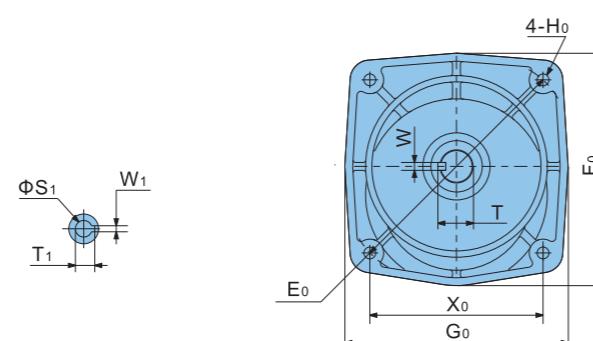
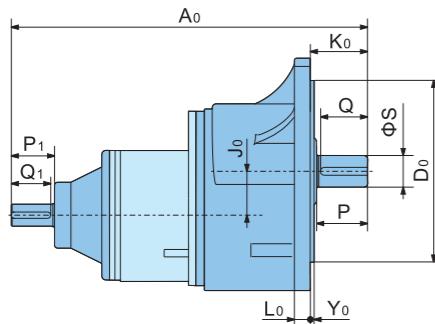
馬力 KW	RATIO 減速比	SIZE(S) 型番	A <sub>0</sub>	D <sub>0</sub>	E <sub>0</sub>	F <sub>0</sub>	G <sub>0</sub>	H <sub>0</sub>	J	K <sub>0</sub>	L <sub>0</sub>	X <sub>0</sub>	Y <sub>0</sub>
0.1KW 1/8HP	3-60	18	162	50	140	157	120	9	16	40	10	99	6
	70-200	22	198	148	185	172	165	11	17.5	50	12	130.8	3
0.2KW 1/4HP	3-10	18	162	50	140	157	120	9	16	40	10	99	6
	15-90	22	198	148	185	172	165	11	17.5	50	12	130.8	3
	100-200	28	244	170	220	205	195	11	23	60	13	155.5	3
0.4KW 1/2HP	3-10	22	198	148	185	172	165	11	17.5	50	12	130.8	3
	15-90	28	244	170	220	205	195	11	23	60	13	155.5	3
	100-200	32	306	185	255	248	255	13	30	70	16	180.3	3
0.55KW 3/4HP 0.75KW 1HP	3-25	28	244	170	220	205	195	11	23	60	13	155.5	3
	30-120	32	306	185	255	248	255	13	30	70	16	180.3	3
	140-200	40	357	230	310	290	268	15	36	85	21	219	5
1.1KW 3/2HP 1.5KW 2HP	3-30	32	306	185	255	248	255	13	30	70	16	180.3	3
	40-100	40	357	230	310	290	268	15	36	85	21	219	5
2.2KW 3HP	3-40	40	357	230	310								

SHAFT INPUT-TYPE HIGH RATIO REDUCER  
軸輸入型高速比減速器

 GLH32(10)+M22-1800K+200W  
HORIZONTAL 卧式

 GLV32(10)+M22-1800K+200W  
VERTICAL 立式


## VERTICAL HIGH RATIO TYPE 立式入力法蘭高速比



## INPUT BORE 入力孔尺寸

馬力 KW	SHAFT 入力軸		KEYWAY 鍵槽		KEY 鍵 SPEC	
	S <sub>1</sub>	P <sub>1</sub>	W <sub>1</sub>	T <sub>1</sub>		
0.1KW 1/8HP	Φ14	23	5	16.2	22	5*5*22
0.2KW 1/4HP						
0.4KW 1/2HP	Φ16	28	5	18.2	27	5*5*27
0.55KW 3/4HP						
0.75KW 1HP	Φ19	38	6	21.7	35	6*6*35
1.1KW 3/2HP						
1.5KW 2HP	Φ24	48	8	27.1	45	8*7*45

## OUTPUT SHAFT 出力軸尺寸

SIZE(S) 型番	SHAFT 出力軸		KEYWAY 鍵槽		KEY 鍵 SPEC	
	ΦS	P	W	T		
22	Φ22	40	7	25	35	7*7*35
28	Φ28	45	7	31.1	40	7*7*40
32	Φ32	55	10	35.5	50	10*8*50
40	Φ40	70	10	43.5	60	10*8*60
50	Φ50	75	14	54	75	14*9*75

馬力 KW	RATIO 減速比	CODE 本體	SIZE(S) 型番	A	D	E	F	G	H	J	K	L	M	X	Y
0.1KW 1/8PH	250-1800	18+22	22	239	65	130	158	90	11	33.5	60	13	64	152	116
	250-1800	18+28	28	289	90	140	178	120	11	39	68	17	77	178	140
0.2KW 1/4HP 0.4KW 1/2HP	250-1800	22+32	32	355	130	170	215	165	13	47.5	70	21	92.5	216	162
	250-1800	28+40	40	435	150	210	260	205	15	59	85	23	116	250	200
0.55KW 3/4HP 0.75KW 1HP	250-1800	28+50	50	480	170	265	290	230	18	74	120	30	130	306	200
	250-1800	32+50	50	538	170	265	290	230	18	81	120	30	130	306	170

## VERTICAL HIGH RATIO TYPE 立式高速比

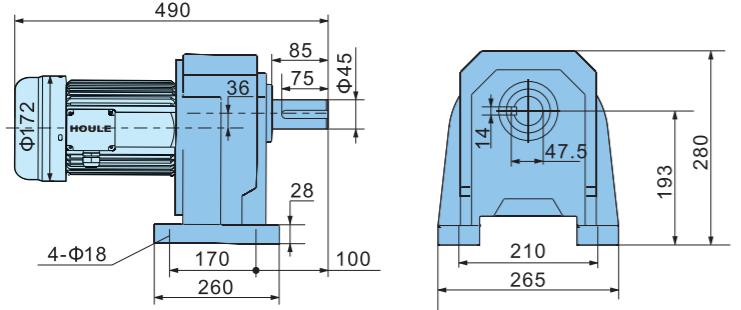
馬力 KW	RATIO 減速比	CODE 本體	SIZE(S) 型番	A <sub>0</sub>	D <sub>0</sub>	E <sub>0</sub>	F <sub>0</sub>	G <sub>0</sub>	H <sub>0</sub>	J	K <sub>0</sub>	L <sub>0</sub>	X <sub>0</sub>	Y <sub>0</sub>
0.1KW 1/8PH	250-1800	18+22	22	235	50	185	175	165	11	33.5	50	12	130.8	3
	250-1800	18+28	28	289	148	220	205	195	11	39	60	13	155.5	3
0.2KW 1/4HP 0.4KW 1/2HP	250-1800	22+32	32	350	185	255	248	255	13	47.5	70	16	180.3	3
	250-1800	28+40	40	427	230	310	290	268	15	59	85	21	219	3
0.55KW 3/4HP 0.75KW 1HP	250-1800	28+50	50	475	170	390	360	335	18	74	92	25	275.8	5
	250-1800	32+50	50	532	170	390	360	335	18	81	92	25	275.8	5

# 193-封邊機專用減速電機

Gear reduction motor dedicated for edge bander



1.5KW



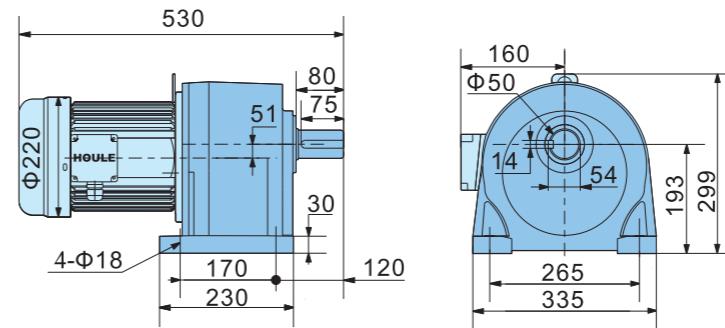
DM45-193(14)-(50)K+1500WS3F-X140  
DM45-193(14)-(75)K+1500WS3F-X140

# 193-封邊機專用減速電機

Gear reduction motor dedicated for edge bander

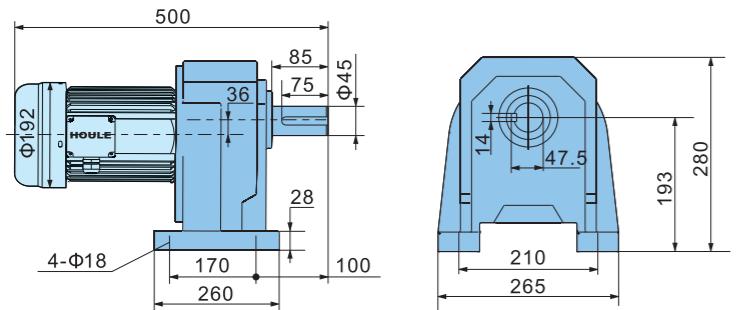


2.2KW



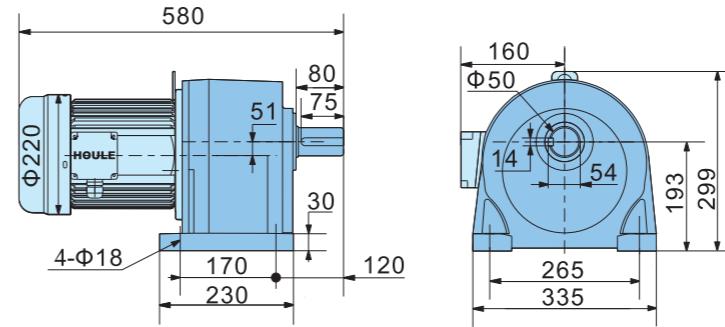
GH193(14)-(50)K+2200W S3F-X180  
GH193(14)-(75)K+2200W S3F-X180

2.2KW



DM45-193(14)-(50)K+2200WS3F-X160  
DM45-193(14)-(75)K+2200WS3F-X160

3.7KW



GH193(14)-(50)K+3700W S3F-X180  
GH193(14)-(75)K+3700W S3F-X180

1500/2200W

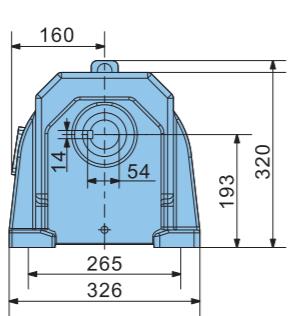
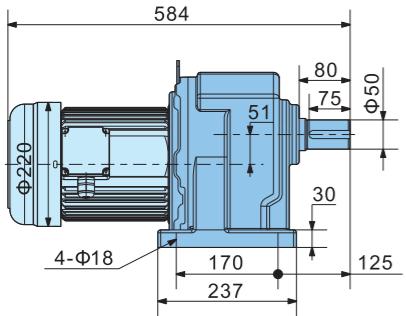
3700/2200W

# 193-封邊機專用減速電機

Gear reduction motor dedicated for edge bander



2.2KW

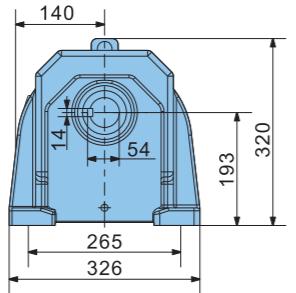
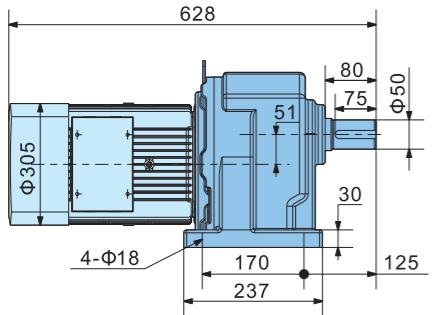


GW193(14)-(50)K+2200WS3F-X180  
GW193(14)-(75)K+2200WS3F-X180

3.7KW



3700/2200W



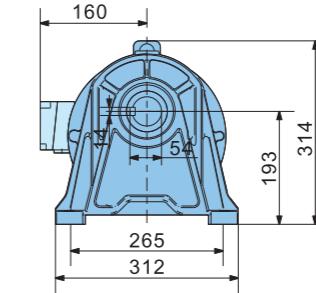
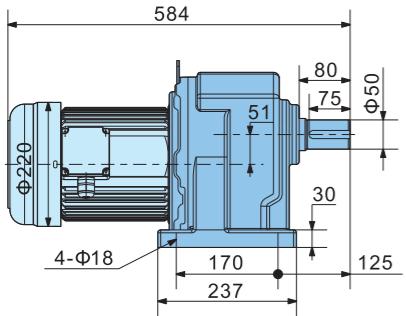
GW193(14)-(50)K+3700WS3F-X180  
GW193(14)-(75)K+3700WS3F-X180

# 193-封邊機專用減速電機

Gear reduction motor dedicated for edge bander

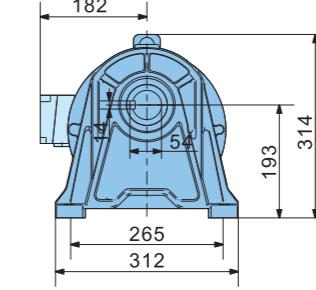
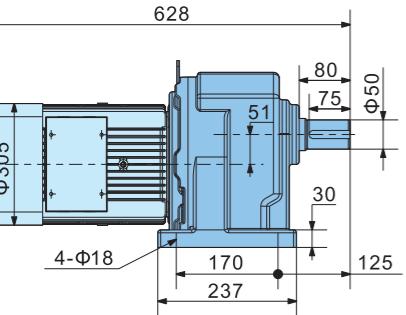


2.2KW



GD193(14)-(50)K+2200WS3F-X180  
GD193(14)-(75)K+2200WS3F-X180

3.7KW



GD193(14)-(50)K+3700WS3F-X180  
GD193(14)-(75)K+3700WS3F-X180

3700/2200W



# MOTORS FOR POULTRY FARM EQUIPMENT

畜牧業設備專用減速電機



共同引領世界  
Drive the world together



## ► DESCRIPTION OF MODEL 型號說明

GH	V	01	S	19	F01	—	5K	B14	—	19	+	750W	S3	—	B14	—	19	—	A1	—	LD
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15							

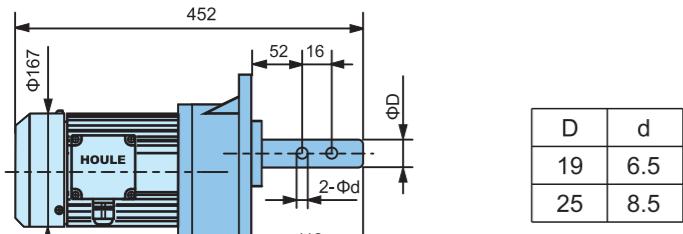
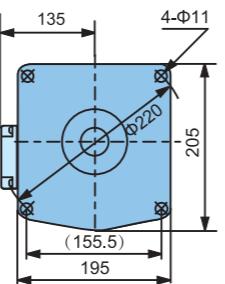
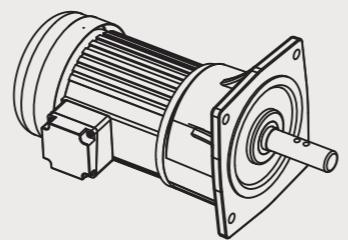
1	Gearbox form 減速箱結構形式	GH/GS/G2/G4: GH/GS/G2/G4 series feeding motor	
2	Structure form 安裝方式	H: Horizontal 卧式 V: Vertical 立式	
3	Gearbox code 框號	28 01S 02S 03S	
4	Type code 型式代號	U: Unitary type 一體式 S: Split type 分體式	
5	Output shaft DIA 輸出軸直徑	19: Φ19mm 25: Φ25mm x: Φx mm	
6	Output Flange 輸出法蘭形式	V28 F01 RF1 RF2 SF FQ1	
7	Gear ratio 減速比	3: 1:3 4: 1:4 5: 1:5 x: 1:x	
8	Input Flange 輸入法蘭形式	B14 B05 X140	
9	Input shaft form 輸入軸形式	19: Φ19mm 24: Φ24mm G: Gear 齒軸	
10	Rated power 額定功率	750: 750W 550: 550W x: xW	
11	Rated voltage 額定電壓	C1: 1-Phase 單相110V C2: 1-Phase 單相220V S2: 3-Phase 三相220V S3: 3-Phase 三相380V S4: 3-Phase 三相440V S2/3: 3-Phase 三相220V/380V	
12	Input Flange 輸入法蘭形式	B14 B05 X140	
13	Input shaft form 輸入軸形式	19: Φ19mm 24: Φ24mm A: Gear 齒軸	
14	Terminal box direction form output shaft 從軸端看盒位置	A1: Left direction 左方向 A2: Right direction 右方向 A3: Top direction 上方向 A4: Down direction 下方向 Remark 備註: G1direction is standard G1是標準方向	
15	Lead wire direction form output shaft 從軸端看出線方向	L: Left direction 向左方向 R: Right direction 向右方向 T: Top direction 向上方向 D: Down direction 向下方向 F: Forward direction 向前方向 B: Backward direction 向後方向	



GS series gear motor is specially made for farm feeding system, has the characteristics of compact structure, light weight, cost effective and main tenance free, ect. There are many types of products, output flange and output flange according with customer requirements, to meet the different needs of customers.

GS系列齿轮减速电机是专为农场饲养系统而定制，具有结构紧凑、重量轻、性价比高以及免维护等特点。有多种型号产品、输出法兰及输出轴可供选择，并可按客户需求定制，满足客户的不同需求。

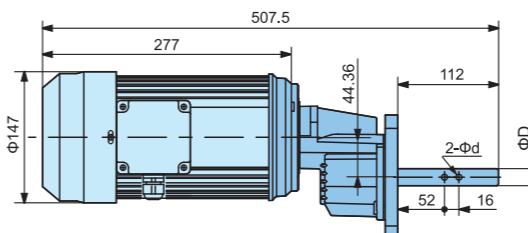
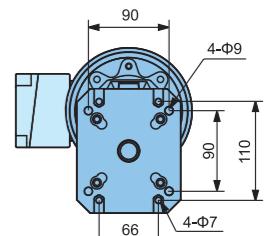
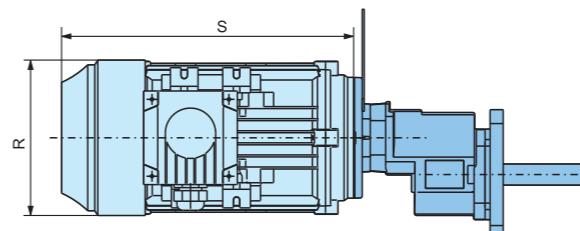
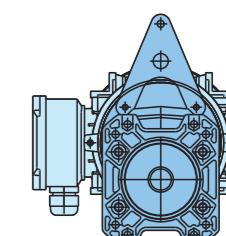
## ► TECHNICAL PARAMETERS 技術參數

**GHV28U** 減速箱結構圖

**UNITARY TYPE 整體式**

**GHV28U19V28-5KX140-G+750WS3-X140-G-A1-LD**


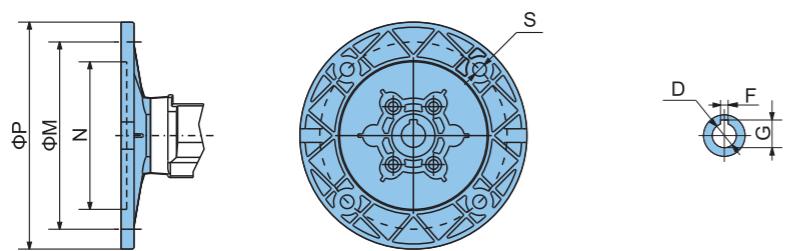
型號 Model	功率 Power W	電壓 Voltage V	減速比 Reduction ratio	輸出扭矩 Torque N.m	輸出軸 Output shaft	
					D	d
					mm	mm
GHV28U19-550	550	1PH 220V 50/60Hz 3PH 220V/380V 50/60Hz	3	10.5(50Hz) / 8.75(60Hz)	19	6.5
			4	14(50Hz) / 11.6(60Hz)	19	6.5
			5	17.5(50Hz) / 14.6(60Hz)	19	6.5
		3PH 220V/380V 50/60Hz	3	10.5(50Hz) / 8.75(60Hz)	25	8.5
			4	14(50Hz) / 11.6(60Hz)	25	8.5
			5	17.5(50Hz) / 14.6(60Hz)	25	8.5
GHV28U19-750	750	1PH 220V 50/60Hz 3PH 220V/380V 50/60Hz	3	14.3(50Hz) / 11.9(60Hz)	19	6.5
			4	19.1(50Hz) / 15.9(60Hz)	19	6.5
			5	23.9(50Hz) / 19.9(60Hz)	19	6.5
		3PH 220V/380V 50/60Hz	3	14.3(50Hz) / 11.9(60Hz)	25	8.5
			4	19.1(50Hz) / 15.9(60Hz)	25	8.5
			5	23.9(50Hz) / 19.9(60Hz)	25	8.5
GHV28U25-1100	1100	3PH 220V/380V 50/60Hz	3	21.0(50Hz) / 17.5(60Hz)	25	8.5
			4	28.0(50Hz) / 23.2(60Hz)	25	8.5
			5	35.0(50Hz) / 29.2(60Hz)	25	8.5
		3PH 220V/380V 50/60Hz	3	29.2(50Hz) / 23.3(60Hz)	25	8.5
			4	39.8(50Hz) / 31.0(60Hz)	25	8.5
			5	48.6(50Hz) / 38.8(60Hz)	25	8.5
GHV28U25-1500	1500	3PH 220V/380V 50/60Hz	3	29.2(50Hz) / 23.3(60Hz)	25	8.5
			4	39.8(50Hz) / 31.0(60Hz)	25	8.5
			5	48.6(50Hz) / 38.8(60Hz)	25	8.5



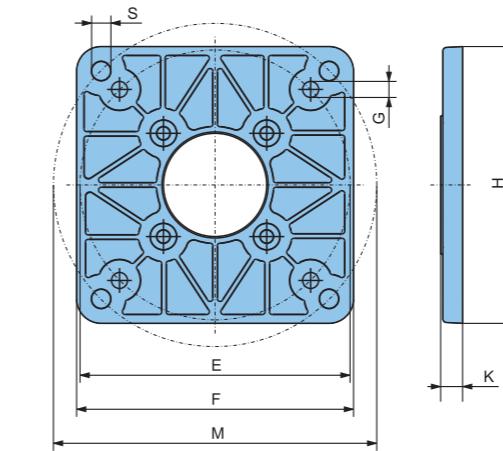
## ► TECHNICAL PARAMETERS 技術參數

**SPLIT TYPE 分體式**
**GSV01S** 減速箱結構圖

**GSV01S25F01-5KB14-19+550WS3-B14-19-A1-LD**

**F01**
**GSV03S** 減速箱結構圖

**GSV03S25FQ1-5KB14-19+750WS3-B14-19-A1-LD**

**FQ1**

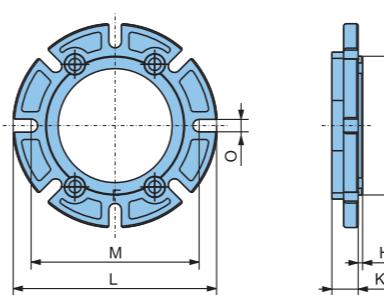
### 減速箱輸入法蘭



GEARBOX CODE 減速箱代號	INPUT FLANG 輸入法蘭	IN STALLATION SIZE 安裝尺寸						
		N	M	P	D	F	G	S
GSV01S	80B14	80	100	120	19	6	21.8	6.5
	90B14	95	115	140	24	8	27.3	8.5
	80B5	130	165	200	19	6	21.8	12
	90B5	130	165	200	24	8	27.3	12
GSV03S	71B14	70	85	105	14	5	16.3	6.2
	80B14	80	100	120	19	6	21.8	6.5
	90B14	95	115	140	24	8	27.3	8.5
	80B5	130	165	200	19	6	21.8	12
	90B5	130	165	200	24	8	27.3	12

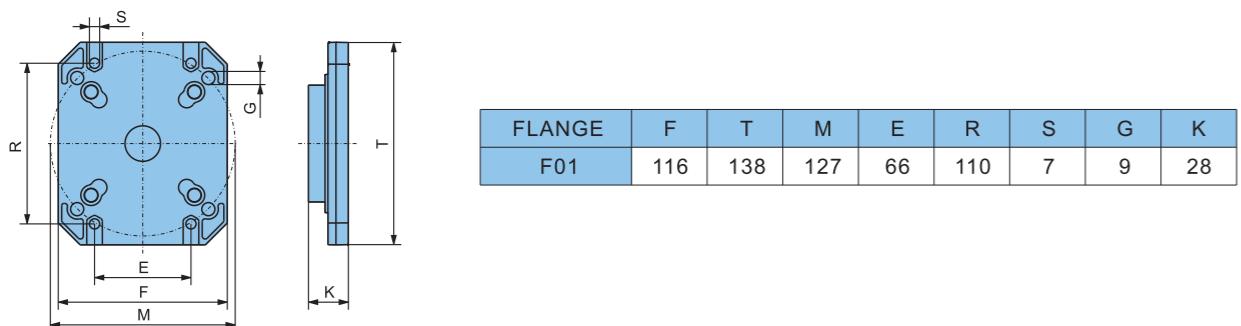


FLANGE	E	F	H	M	S	G	K
SF	185	190	190	200	13	11	15

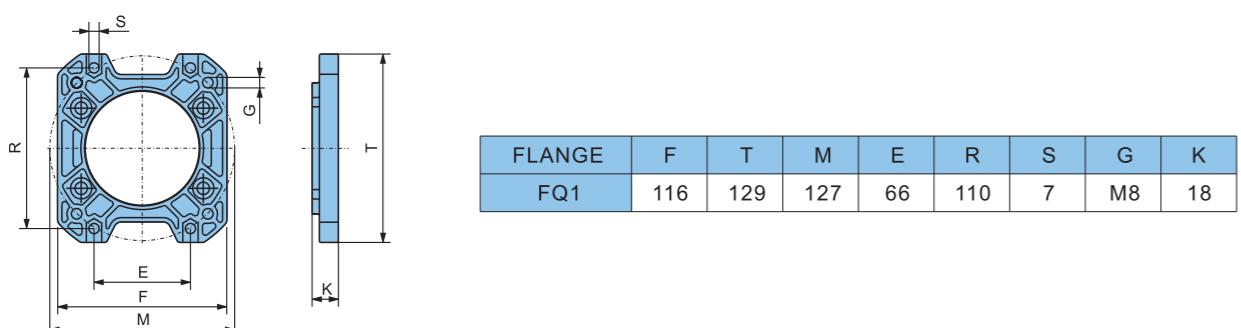


FLANGE	L	M	N	O	K	H
FR1	115	140	90	8.5	18	3
FR2	115	140	95	8.5	18	3

### 減速箱輸出法蘭

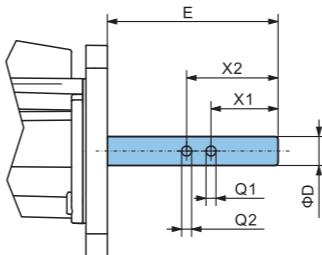


FLANGE	F	T	M	E	R	S	G	K
F01	116	138	127	66	110	7	9	28



FLANGE	F	T	M	E	R	S	G	K
FQ1	116	129	127	66	110	7	M8	18

GSV01S減速箱輸出軸尺寸

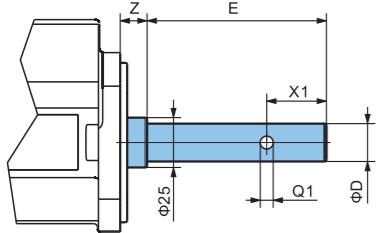


DIMENSIONS	D	E	X1	X2	Q1	Q2
GSV01S	O1	19	112	44	60	6.5
	O2	25	112	44	60	8.5
	...	...	...	...	...	...

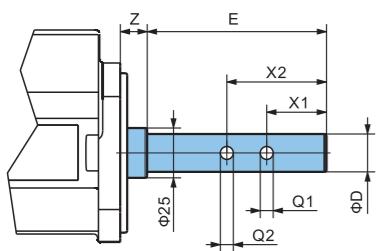
Output shaft can be customized according to customer requirements.  
輸出軸可按客戶要求定制



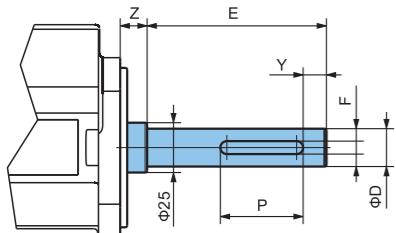
GSV03S減速箱輸出軸尺寸



DIMENSIONS	D	E	X1	Z	Q1
O11	19	69.5	23	13.5	6.5
O12	19	80	21.5	13.5	8.5
O13	21	50	25	13.5	6
...	...	...	...	...	...



DIMENSIONS	D	E	X1	X2	Z	Q1	Q1
O21	19	92	30	48	13.5	8.5	8.5
O22	20	92.5	30	60	13.5	M6	M6
O13	19.7	90	30	50	13.5	M6	M6
...	...	...	...	...	...	...	...

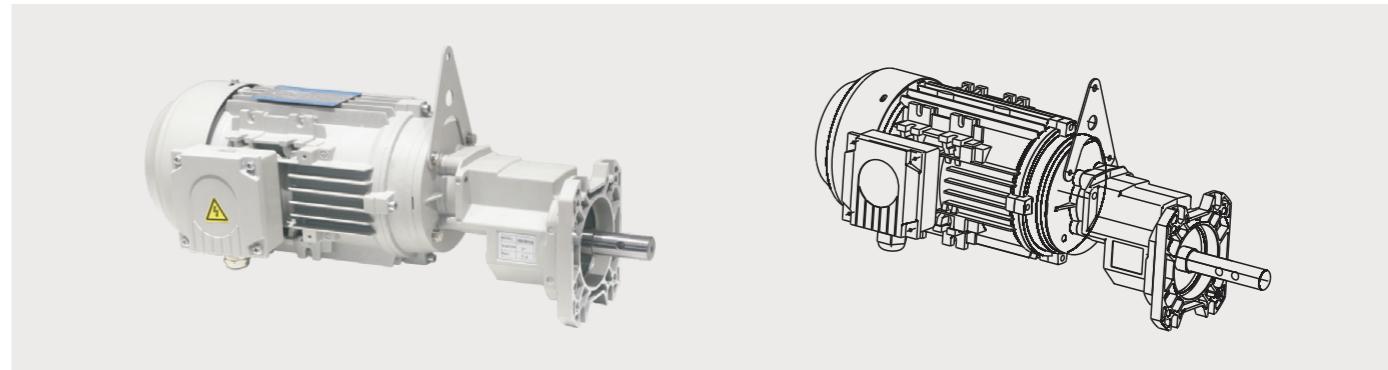


DIMENSIONS	D	E	Y	F	P	Z
O31	19	40	3	6	30	5
O32	20	40	3	6	30	18
O33	24	50	5	8	40	14
...	...	...	...	...	...	...

Output shaft can be customized according to customer requirements.  
 輸出軸可按客戶要求定制

## ► TECHNICAL PARAMETERS 技術參數

SPLIT TYPE 分體式



型號 Model	功率 Power W	電壓 Voltage V	減速比 Reduction ratio	輸出軸 Output shaft	
				D	d
				mm	mm
GSV01S19-550 GSV03S19-550	550	1PH 220V 50/60Hz 3PH 220V/380V 50/60Hz	3	10.5(50Hz) / 8.75(60Hz)	19
			4	14(50Hz) / 11.6(60Hz)	19
			5	17.5(50Hz) / 14.6(60Hz)	19
			3	10.5(50Hz) / 8.75(60Hz)	25
			4	14(50Hz) / 11.6(60Hz)	25
			5	17.5(50Hz) / 14.6(60Hz)	25
GSV01S25-550 GSV03S25-550	750	1PH 220V 50/60Hz 3PH 220V/380V 50/60Hz	3	14.3(50Hz) / 11.9(60Hz)	19
			4	19.1(50Hz) / 15.9(60Hz)	19
			5	23.9(50Hz) / 19.9(60Hz)	19
			3	14.3(50Hz) / 11.9(60Hz)	25
			4	19.1(50Hz) / 15.9(60Hz)	25
			5	23.9(50Hz) / 19.9(60Hz)	25
GSV01S25-1100 GSV03S25-1100	1100	3PH 220V/380V 50/60Hz	3	21.0(50Hz) / 17.5(60Hz)	25
			4	28.0(50Hz) / 23.2(60Hz)	25
			5	35.0(50Hz) / 29.2(60Hz)	25
			3	29.2(50Hz) / 23.3(60Hz)	25
			4	39.8(50Hz) / 31.0(60Hz)	25
			5	48.6(50Hz) / 38.8(60Hz)	25
GSV01S25-1500 GSV03S25-1500	1500	3PH 220V/380V 50/60Hz	3	29.2(50Hz) / 23.3(60Hz)	25
			4	39.8(50Hz) / 31.0(60Hz)	25
			5	48.6(50Hz) / 38.8(60Hz)	25
			3	29.2(50Hz) / 23.3(60Hz)	8.5
			4	39.8(50Hz) / 31.0(60Hz)	8.5
			5	48.6(50Hz) / 38.8(60Hz)	8.5

## REDUCTION MOTOR SUITABLE FOR WORM GEAR REDUCER

適配渦輪RV的減速電機

- Rv030
- Rv040
- Rv050

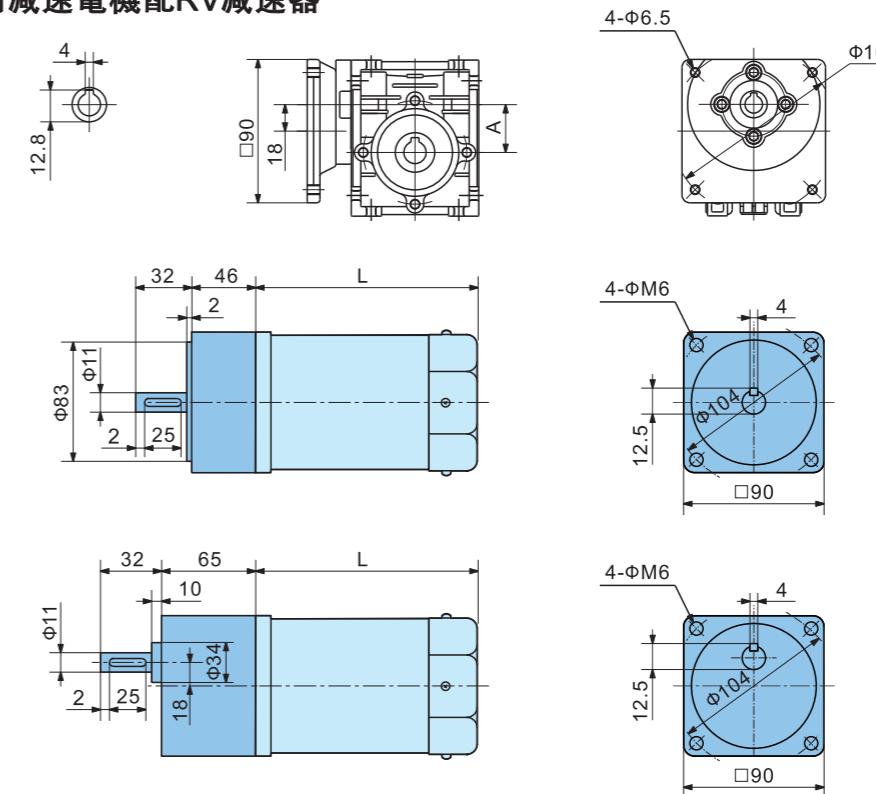
- Rv040
- Rv090



共同引領世界  
Drive the world together

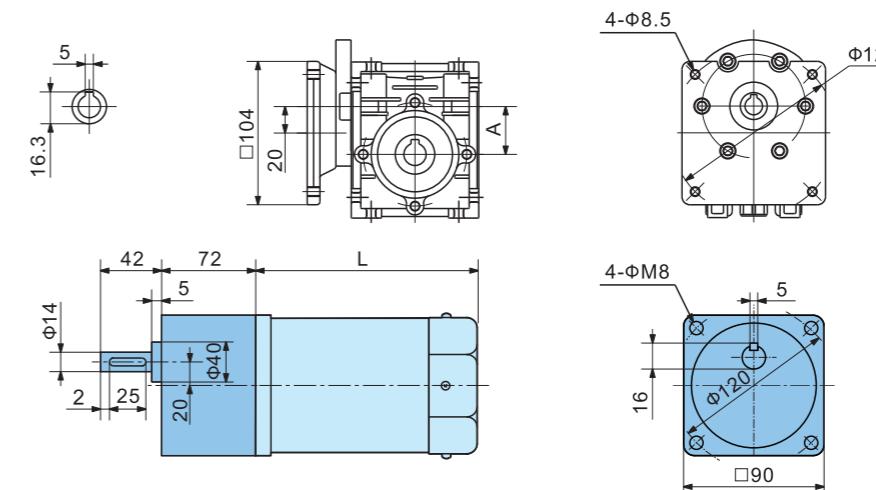


5 SERIES REDUCTION MOTOR FOR WORM REDUCER  
5系列減速電機配RV減速器



Power 功率	Length 長度L
40W	105
60W	141
90W	156
120W/140W	166
160W	176

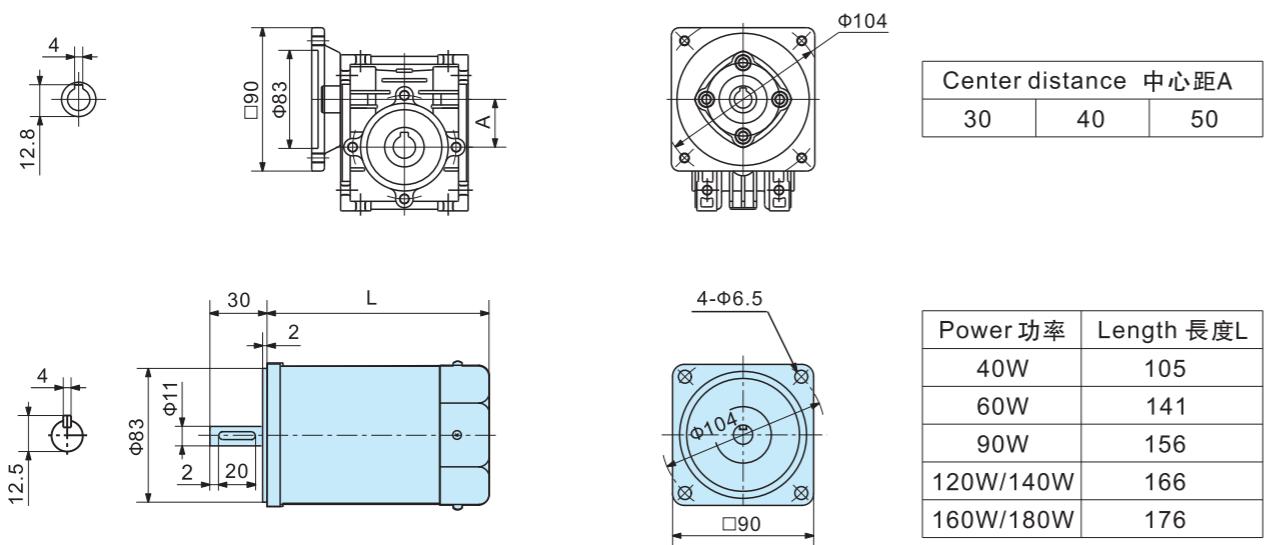
6 SERIES REDUCTION MOTOR FOR WORM REDUCER  
6系列減速電機配RV減速器



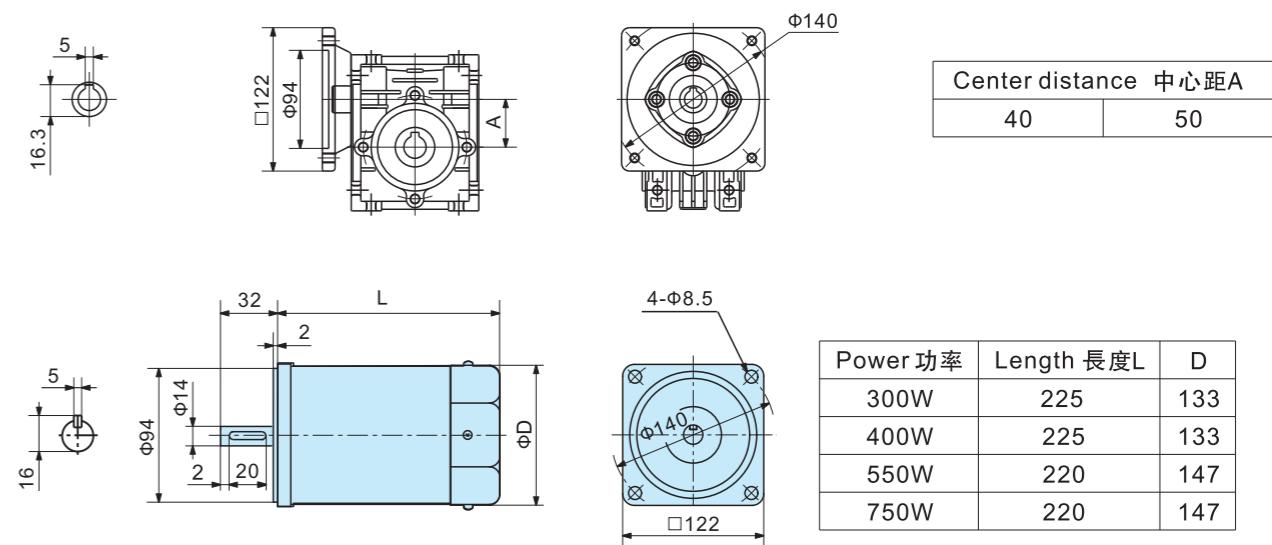
Power 功率	Length 長度L
120W-200W	171
250W-300W	187



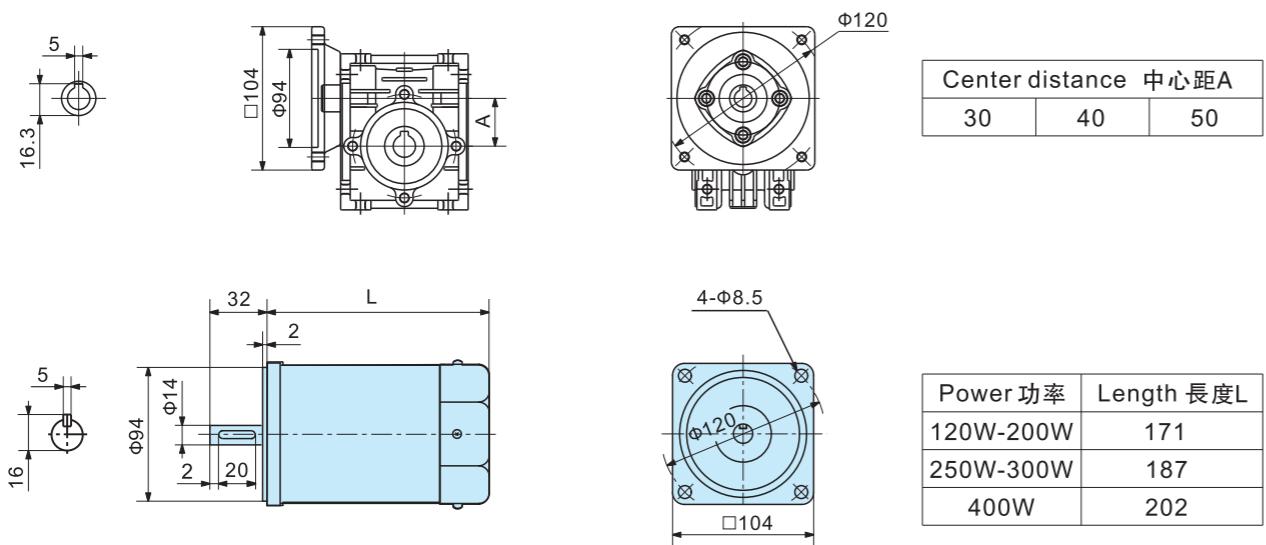
**5 SERIES MOTOR FOR WORM REDUCER**  
5系列電機配RV減速器



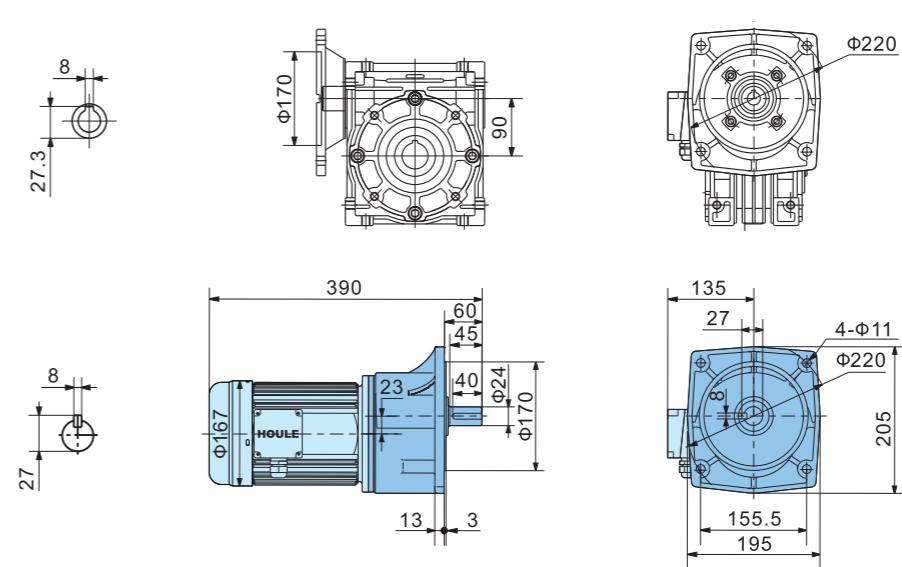
**7 SERIES MOTOR FOR WORM REDUCER**  
7系列電機配RV減速器



**6 SERIES MOTOR FOR WORM REDUCER**  
6系列電機配RV減速器



**MEDIUM REDUCTION MOTOR FOR WORM REDUCER**  
中型減速電機配RV減速器



**0.4KW~1.5KW  
1-PHASE/3-PHASE**  
單相/三相

## ► COUNTRIES VOLTAGE 各國電壓表

COUNTRY 國名	Hz 頻率	1-PHASE 單相	3-PHASE 三相	COUNTRY 國名	Hz 頻率	1-PHASE 單相	3-PHASE 三相
Argentina 阿根廷	50	220	220/380	Japan 日本	50/60	100/200	200/400
Australia 澳洲	50	240	240/415	Kuwait 科威特	50	100/200	200
Austria 奧地利	50	230	400	Lebanon 黎巴嫩	50	110/200	220/380
Bangladesh 孟加拉	50	230	400	Malaysia 馬來西亞	50	240	415
Belgium 比利時	50	230	400	Netherlands 荷蘭	50	230	400
Brazil 巴西	60	110/220 127	220/380	New Zealand 新西蘭	50	230	230/415
Burma 緬甸	50	230	230/440	Pakistan 巴勒斯坦	50	230	220/380 230/400
Cambodia 高棉	50	120	220/380	Saudi-arabia 沙特阿拉伯	50 60	127/220	220/380 230/400
Chile 智利	50	220	220/380	Syris 敘利亞	50	115/200	220/380
China 中國	50	220	220/380	Singapore 新加坡	50	230	400
CzechRepublic 捷克	50	120/220	220/380	South-africa 南非	50	220/230	220/380 230/400
Denmark 丹麥	50	230	400	Spain 西班牙	50	127/230	220/400
Egypt 埃及	50	220	220/380	Switzerland 瑞士	50	230	400
Finland 芬蘭	50	220	220/380	Thailand 泰國	50	220	220/380
France 法國	50	115/127/220	220/380	Turkey 土耳其	50	127/220/230	220/380
Germany 德國	50	110/220	220/380	U.K. 英國	50	230	400
Greece 希臘	50	230	400	Viet-Nam 越南	50	220	380
Norway 挪威	50	220/230	380	Canada 加拿大	60	120/347	208/240/600
Hungary 匈牙利	50	220	380	Colombia 哥倫比亞	60	110/220	220/380
Iceland 冰島	50	220	220/380	Cuba 古巴	60	115/120	240
India 印度	50	240	240/415	Ecuador 厄瓜多爾	60	120/127	208/220
Indonesia 印尼	50	220	380	Korea 韓國	60	110/200	220/380
Iraq 伊拉克	50	220	220/380	Peru 秘魯	60	110/220	220
Israel 以色列	50	230	230/400	Philippines 菲律賓	60	110/220	220/440
Italy 意大利	50	230	400	U.S.A. 美國	60	115	230

