



XAJONG

XAJONG DRIVE & MOTOR

- DC SPEED CONTROL
直流控制器

- DC MOTOR
直流馬達

- WORM GEAR
蝸輪減速機

- AC/DC MOTOR
交、直流通用馬達

- AC SYNCHRONOUS MOTOR
AC 同步馬達

V.20

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公司簡介

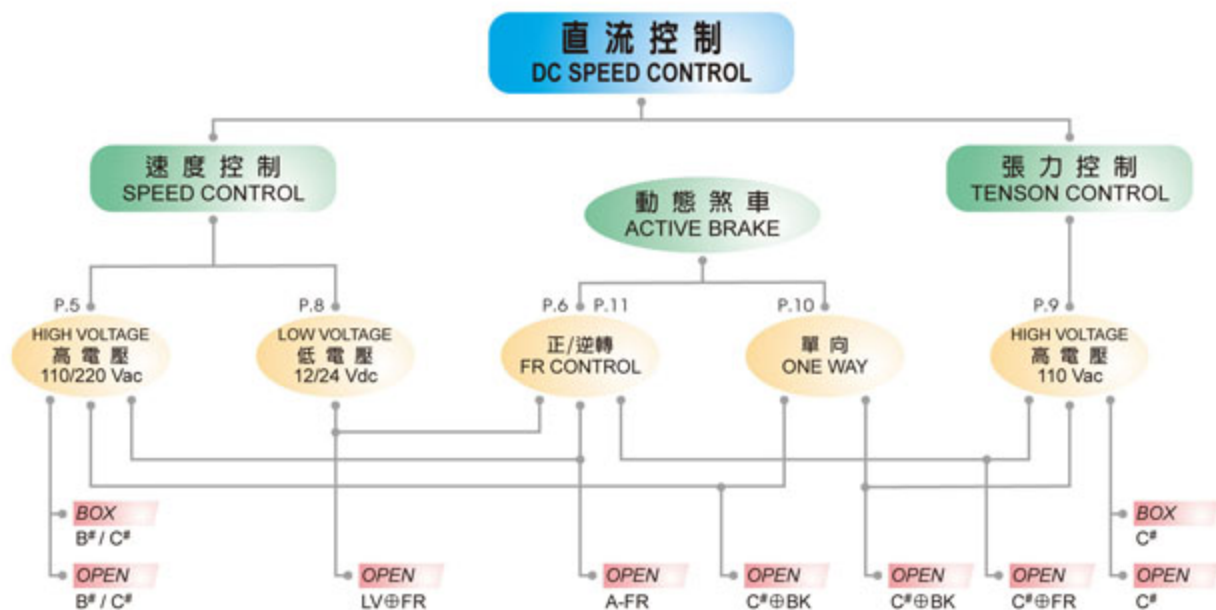
1991~ 品質 誠信 精益求精

Company Profile

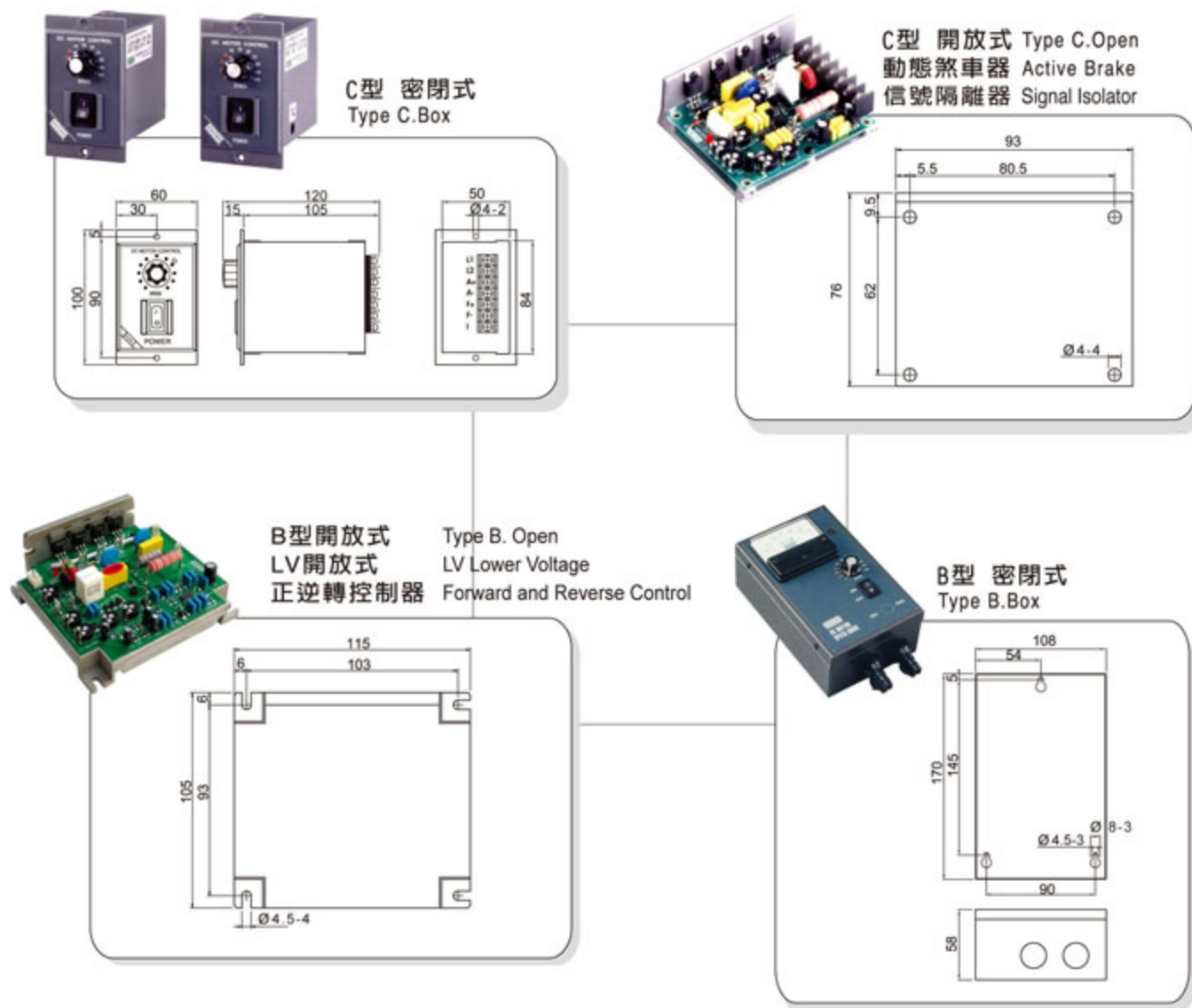
1991~ Quality Truthfulness Excellence



匹配圖 Speed Control Selection Guidance



安裝規格 (mm) Installation Specification



速度控制器 Speed Control



■ C型 密閉式 Type C.Box



■ C型 開放式 Type C.Open

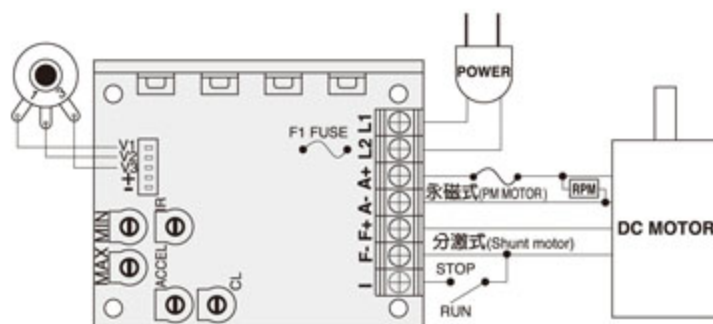


■ B型開放式 Type B.Open

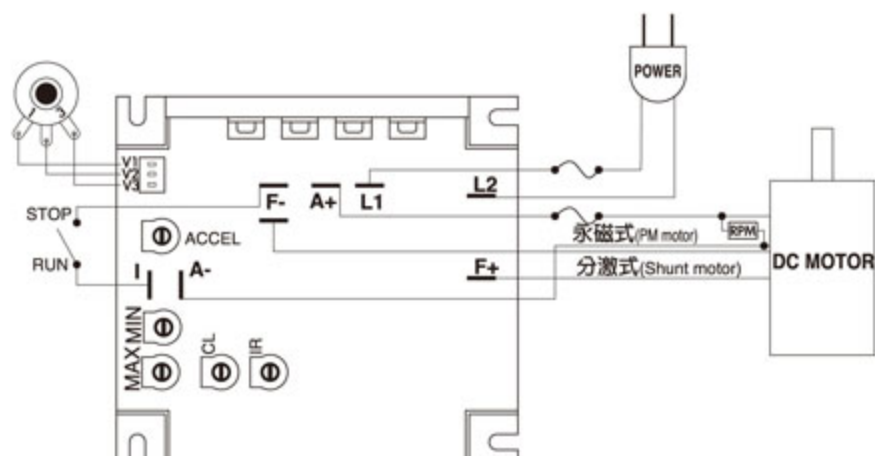


■ B型密閉式 Type B.Box

C型 接線圖 Wiring diagram of type C



B型 接線圖 Wiring diagram of type B



速度控制器 Speed Control

速度控制器索引 Index Of Speed Control



General Specification Type 額定 型號	輸入電壓 Input Vac 50/60 Hz	輸出電壓 Output Vdc	負載功率 Power Loading(W)										Weight g	外觀 Appearance	防塵套 Dust Cover
			10 20	30 40	50 70	100 150	180 220	250 300	400	750	1500	2200			
C	110	0-24	A	B	C								265	B:密閉式 Box	O
		0-90	A	B	C	D	E								
	220	0-90	A	B	C	D	E						220	O:開放式 Open	x
		0-180		B	C	D	E	F	G						
B	110	0-24			C	D	E	F					750	B:密閉式 Box	x
		0-90					E	F	G	H	I				
	220	0-90					E	F	G	H	I		360	O:開放式 Open	x
		0-180					E	F	G	H	I	J			

* 請加裝散熱風扇 Please With cooling fan

例(ex.):B220-180H-O



應用特性 Applied Property :

- 由I、F-控制ON/OFF,A+、A-輸出電壓會即時截止。長時間停機,請將電源關閉。
- 速度控制器,可由電壓(0-9VDC)來取代電位計控制,請跨接至V2(+)、F-(-)。
- 由電壓控制時,建議加裝信號隔離器,以防止電位差干擾。
- 由電壓控制時,MAX、MIN將無法動作。
- 由類比電壓控制時,將V2+遮斷,可得緩降(Decel),最長約7秒內的效果。
- 當您需要一個1/2值之場繞(分激馬達)電壓時,請由L1、F+,跨接取得。
- 正逆轉需求,請加裝FR控制器。
- When I、F- control the ON/OFF, the voltage output by A+, A- will be cut off immediately. Once the control has been stopped working for a long time, please turn off the power.
- The voltage (0-9VDC) of speed control can replace potential counter and control. Please connected across V2(+) and F-(-).
- Please install signal isolator, when it controlled by voltage, it will prevent the interference of potential difference.
- When it is controlled by voltage, MAX and MIN don't work.
- When it is controlled by analogy voltage, the V2+ must be obstructed. It can have the effect of decel that less than 7 seconds in maximum.
- When you need 1/2 voltage of shunt motor, please connect across L1 and F+.
- When you need control forward and reverse, please install FR control.

特性調整範圍

- MIN(最低轉速):30% ⑤ CL(電流限制/扭力):65% ⑦
- MAX(最高轉速):70% ⑦ ACCEL(加速啟動):50% ⑧
- IR(負載補償):30% ⑤
- MIN-最低轉速,MAX-最高轉速,IR-6V,CL-150%滿載,ACCEL-2秒。
- CL-限制起動/過載時之電流,已達保護馬達及控制器之目的。
- IR-負載時,仍保持所設定之轉速,具自動過流補償功能,以達轉矩之穩定。
- 電流限制/扭力範圍(%滿載).....50-200
- 加速時間(0至滿載)(秒).....0.5-4.0
- 最低轉速調整範圍(%).....0-30
- 最高轉速調整範圍(%).....50-150
- 負載補償調整範圍(V).....0-24
- 轉速範圍(比率).....30:1
- 在全額運轉時之最高允許周圍溫度(°C/°F).....42/113

以上設定值,非專業人員,請勿調整

Range Property Adjustment :

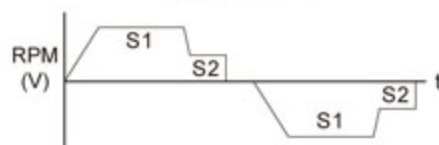
- MIN (Minimum rotation rate) : 30% ⑤ CL (Electric current limitation/Torque) : 65% ⑦
- MAX (Maximum rotation rate) : 70% ⑦ ACCEL (Acceleration) : 50% ⑧
- IR (load compensation) : 30% ⑤
- MIN-minimum rotation rate, MAX-maximum rotation rate, IR-6V, CL-150% full load, ACCEL-2 seconds.
- CL-limiting the electric current of starting and full load to protect the motor and control.
- IR-When it is fully loaded, its setting rotation rate remains which possesses function of automatic feedback compensation to stabilize the torque.
- Electrical current limitation(range of Torque (%full load)).....50-200
- Accelerating time (0~full load) (second).....0.5-4.0
- Adjustment range of minimum rotation rate (%).....0-30
- Adjustment range of maximum rotation rate (%).....50-150
- Adjustment range of load compensation (V).....0-24
- Range of rotation rate (ratio).....30:1
- The highest permission of fully rotation ambient temperature (°C/°F).....42 / 113

The setting stated above cannot be modified by unauthorized person.

正、逆轉及2段速控制器 CW,CCW & 2 Speed Control



Type: A-FR



• 正、逆轉及2段速控制器索引 Index of CW,CCW & 2 Speed Control

General Specification Type 型號	額定 輸入電壓 Input Vac 50/60 Hz	輸出電壓 Output Vdc	負載功率 Power Loading(W)								外觀 Appearance	重量 Weight(g)	防塵套 Dust Cover
			10 20	30 40	50 70	100 150	180 220	250 300	400	750			
A-FR	110	0-24	A	B	C	D	E				O:開放式 Open	900	x
		0-90	A	B	C	D	E	F	G				
	220	0-90	A	B	C	D	E	F	G		O:開放式 Open	900	x
		0-180			C	D	E	F	G	H			

應用特性 Applied Property :

- A1、A2電壓輸出，由CW或CCW控制，操作正、逆轉會先煞車再運轉；長時間停機，請將電源關閉。
- 速度控制可由S1(V2+、F-)或S2(V2+、F-)，輸入0~9VDC取代電位計。
由0~9VDC控制速度時，MAX、MIN將無法設定。
由0~9VDC控制速度時，將V2遮斷，可得緩降(Decel)功能。
- 由電壓控制時，建議加裝信號隔離器，以防止電位差干擾。
- 需要1/2值之場繞電壓(分激馬達)時，請由L1、F+，跨接取得。
- 最大工作電流10A。
工作頻率10次/min。
- 高慣性、高慣量之場合，請先減速再做切換正、逆轉。
- The output voltage of A1, A2 is control by CW or CCW, When shift forward and reverse, it will stop first before they start to rotate. Once the control has been stopped working for a long time, please turn off the power.
- The speed control by S1(V2+、F-) or S2(V2+、F-), inputs the 0~9VDC can replace potential counter. When it is controlled by 0~9VDC, Max、Min will be unable to setting. When it is controlled by 0~9VDC, the V2 must be obstructed. It can get decel function.
- Please install signal isolator, when it controlled by voltage, it will prevent the interference of potential difference.
- When need 1/2 voltage of shunt motor, please connected across L1 and F+.
- Maximum working electric current 10A.
Frequency of work 10 times/min.
- Under the situation of high inertia, please decelerate first then conduct forward and reverse movement.

LV低電壓速度控制器 LOW VOLTAGE SPEED CONTROL

• LV控制器額定規格 Index of Speed Control

B-LV12	Max 20A(250W)
B-LV24	Max 20A(500W)

*10A以上請加裝散熱風扇

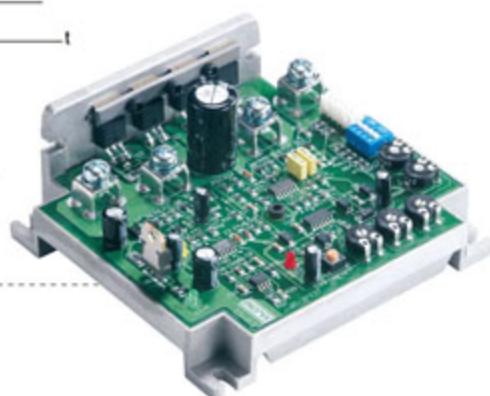
*Using over 10A, Please with cooling fan



RPM
(V)

(Weight 370g)

LV-CONTROL LV控制器



使用及功能 Usage and functions:

- 由S4、S5控制ON/OFF，M+、M-會瞬間截止輸出。
- 長時間停機，請將電源關閉。
- 速度控制器可由電壓(0~9VDC)來取代電位計控制，請接至V2(+)、V1(-)。
- 由電壓控制時，建議加裝信號隔離器，以防止電位差干擾。
- 由電壓控制時MAX將無法動作。
- LV(輸入最低電壓)(12V)LV≤9.5V，(24V)LV≤19V。
- 綠燈：電源燈。
- 黃燈：輸入電壓低於80%時，黃燈會顯示。
- 紅燈：當電流過載時，紅燈會顯示請按[Reset]復歸。

- When S4、S5 control the ON/OFF, the voltage output by M+, M- will be cut off immediately.
- Once the control has been stopped working for long time, please turn off the power.
- The voltage (0-9VDC) of speed control can replace potential counter and control. Please connect across V2(+) and V1(-).
- Please install signal isolator, when it controlled by voltage, it will prevent the interference of potential difference.
- When it is controlled by voltage, MAX cannot work.
- LV(input of minimum voltage)(12V)LV≤9.5V, (24V)LV≤19V
- Green light: Power light.
- Yellow light: The input voltage less than 80% the yellow light will light up.
- Red light: When the electric current overload, please press the [Reset] back.

特性調整設定

- MIN(最低轉速):30% ⑤
- MAX(最高轉速):70% ⑦
- LV(輸入最低電壓):80% ②
- CL(電流限制/扭力):50% ①
- ACCEL(加速啟動):50% ①

Setting of Property Adjustment :

- MIN (Minimum rotation rate) : 30% ⑤
- MAX (Maximum rotation rate) : 70% ⑦
- LV (Input of minimum voltage) : 80% ②
- CL (Electric current limitation / Torque) : 50% ①
- ACCEL (Acceleration) : 50% ①

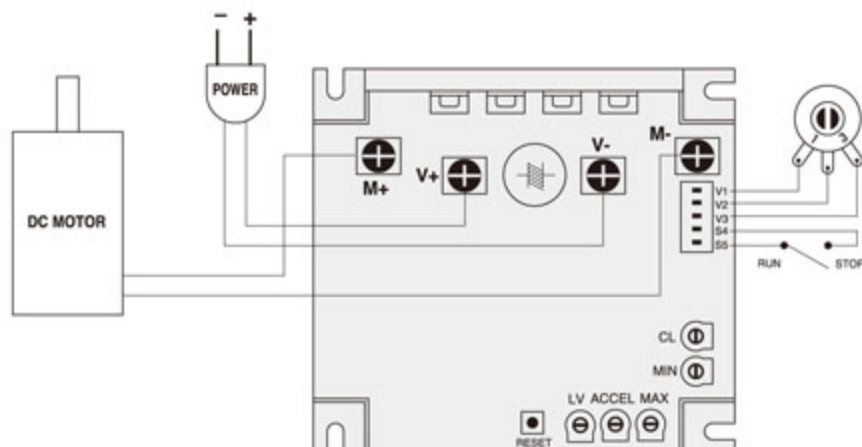
特性調整範圍

- 電流設定(%).....150-200
- 加速時間(0至滿載)(秒).....0.5-4.0
- 最低轉速調整範圍(%滿載).....0-30
- 最高轉速調整範圍(%滿載).....50-100
- 輸入最低電壓(%).....80
- 轉速範圍(比率).....30:1
- 在全額運轉時之最高允許周圍溫度(°C/°F).....42/113

Range Property Adjustment :

- Electrical current set (%).....150-200
- Accelerating time (0—fully load) (second).....0.5-4.0
- Adjustment range of minimum rotation rate [%fully load].....0-30
- Adjustment range of maximum rotation rate [%fully load].....50-100
- Input of minimum voltage (%).....80
- Range of rotation rate (ratio).....30:1
- The highest permission of fully rotation ambient temperature(°C/°F).....42 / 113

接線圖 Wiring diagram



張力控制器 Tension Control

• 張力控制器索引 Index of Tension Control



General Specification Type 額定 型號	輸入電壓 Input Vac 50/60 Hz	輸出電壓 Output Vdc	張力控制 Tension	負載功率 Power Loading(W)						外觀 Appearance	Weight g	防塵套 Dust Cover
				10	20	30	40	65	100			
C	110	0-90	T	A	B	B1	C	D	E	B:密閉式 Box	265	○
										O:開放式 Open	220	X

例(ex.): C110-90TC-O



應用特性 Applied Property :

- 由I、F-控制ON/OFF時, A+、A-輸出電壓會暫時截止。長時間停機, 請將電源關閉。
- XJC速度控制器, 可由電壓(0~9VDC)來取代電位計控制, 請跨接至V2、F-。
- 由電壓控制時, 建議加裝信號隔離器, 以防止電位差干擾。
- 由電壓控制時, MAX、MIN 將無法動作。
- 由類比電壓控制時, 將V2+遮斷, 可得緩降(DECEL), 最長約7秒內的效果。
- 當您需要一個1/2值之場繞 (分激馬達) 電壓時, 請由L1、F+, 跨接取得。
- 正逆轉需求, 請加裝FR控制器。
- When I、F- control the ON/OFF, the voltage output by A+, A- will be cut off immediately. Once the control has been stopped working for a long time, please turn off the power.
- The voltage (0~9VDC) of speed control can replace potential counter and control. Please connected across V2(+) and F(-).
- Please install signal isolator, when it controlled by voltage, it will prevent the interference of potential difference.
- When it is controlled by voltage, MAX and MIN don't work.
- When it is controlled by analogy voltage, the V2+ must be obstructed. It can have the effect of decel that less than 7 seconds in maximum.
- When you need 1/2 voltage of shunt motor, please connected across L1 and F+.
- When you need control forward and reverse, please install FR control.

特性調整設定

- MIN(最低速度):30% ① CL(電流限制/扭力):100% ②
- MAX(最高轉速):70% ② ACCEL(加速啟動):50% ①
- IR(負載補償):0% ②
- MIN-最低轉速, MAX-最高轉速, IR-0V, CL-馬達最大值1/2, ACCEL-2秒。
- CL-調整張力, 以達控制至需求。
- IR-負載時, 不做補償功能, 以達張力之彈性。

以上設定值, 除CL外 (附調棒) 非專業人員, 請勿調整

特性調整範圍

- 張力調整/張力限制 (%滿載).....0-50
- 加速時間 (0至滿載)(秒).....0.5-4.0
- 最低轉速調整範圍(%).....0-30
- 最高轉速調整範圍(%).....50-150
- 負載補償調整範圍(V).....0
- 轉速範圍 (比率).....10:1
- 在全額運轉時之最高允許周圍溫度 (°C/°F).....42/113

The setting stated above cannot be modified by unauthorized person.

Setting of Property Adjustment :

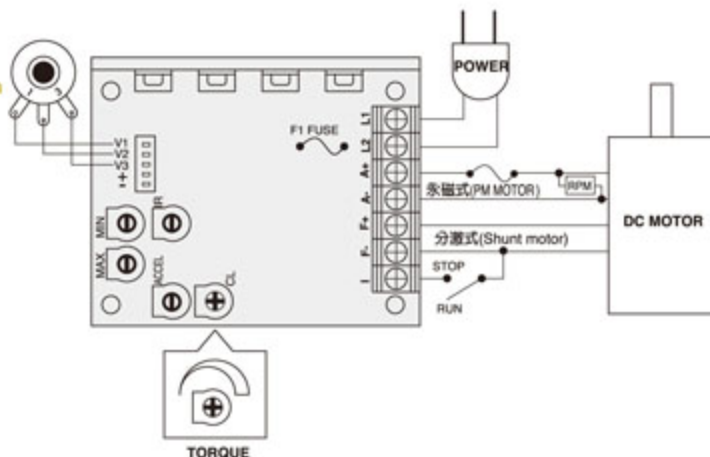
- MIN (Minimum rotation rate) : 30% ① CL (Electric current limitation/torque) : 100% ②
- MAX (Maximum rotation rate) : 70% ② ACCEL (Acceleration) : 50% ①
- IR (load compensation) : 0% ②
- MIN-minimum rotation rate, MAX-maximum rotation rate, IR-0V, CL-1/2 load, ACCEL-2seconds.
- CL-modifying tension to meet the controlling demands
- IR-When it is fully loaded, it compensate to make full use of tension disturbance.

Range Property Adjustment :

- Electrical current limitation/range of twisting force (%fully load).....0-50
- Accelerating time [0-fully load] (second).....0.5-4.0
- Adjustment range of minimum rotation rate (%).....0-30
- Adjustment range of maximum rotation rate (%).....50-150
- Adjustment range of load compensation (V).....0
- Range of rotation rate (ratio)10:1
- The highest permission of fully rotation ambient temperature(°C/°F).....42 / 113

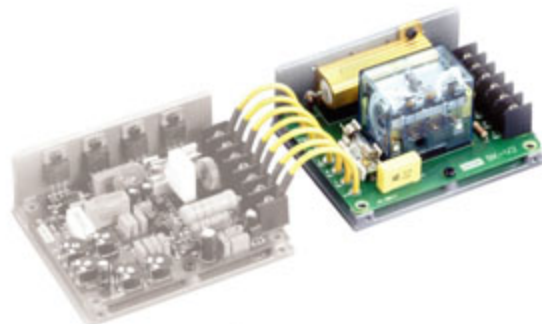


接線圖 Wiring diagram



動態煞車器 Active Brake

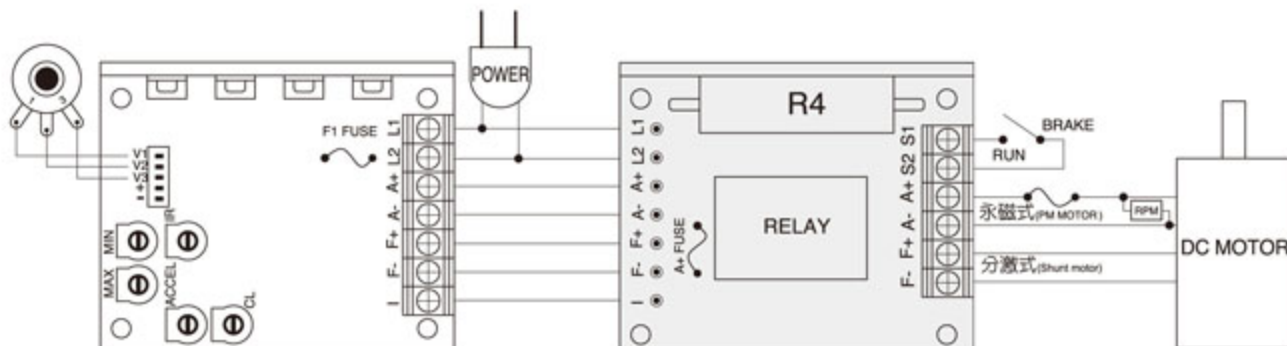
• 動態煞車器索引 Index of Active Brake



使用及功能 Usage and functions:

- 此動態煞車器，需搭配於B#或C#控制器之二次側使用。
- 其電壓選擇，需選用與B#或C#速度控制器相同之輸入電壓。
- 保險絲—依馬達額定安培值。
- S1、S2開路馬達停止，動態煞車，馬達停止後，恢復自由狀態。S1、S2閉路馬達運轉。
- 應答速度1RPM，作動頻率20次/分特殊精度煞車需求，可適應變更R4電阻值。
- 高慣性、高慣量之負載時。請由速度控制器作減速動作再煞車。
- 正逆轉需求，請選用FR控制器。
- The active brake need to match up the secondary side of type B or C control.
- It's input voltage must be same of type B or C control.
- Fuse is according to the motor rated ampere.
- When open circuit is at S1 and S2, motor stops rotating by dynamic brake. After stopping rotating, motor is back to the free condition. when closed circuit is at S1 and S2, motor starts to rotate.
- Speed permitting 1RPM, movement frequency 20 per min specially precise brake that can adapted to the change of R4 electric resistance.
- When being loaded with high inertia, please decelerate the speed control and then brake.
- For control forward and reverse, please choose the FR control.

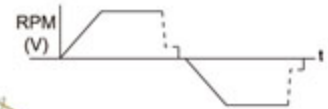
接線圖 Wiring diagram



正逆轉控制器 Forward and Reverse Control

正逆轉控制器
FR-H
FR-LV24

(Weight 450g)



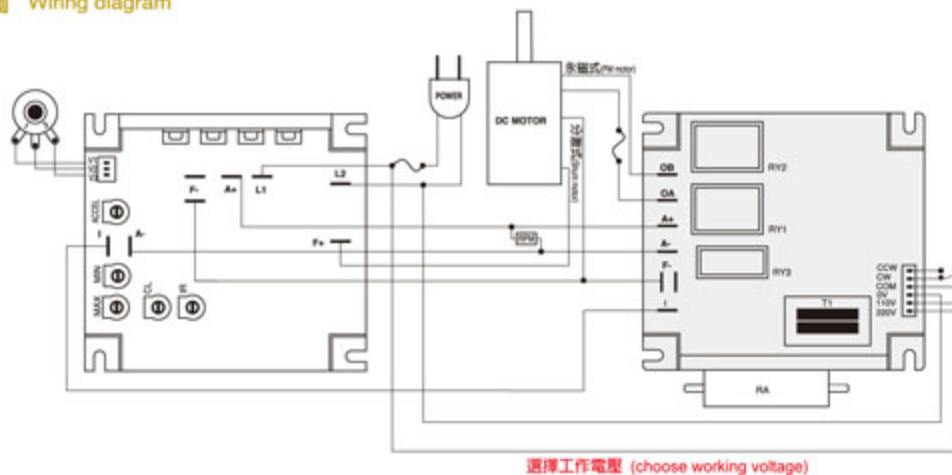
使用及功能 Usage and functions:

- FR-H 工作電壓 110/220Vac, 50/60HZ。
- FR-LV24 工作電壓 24Vdc。
- 最大工作電流Max 10A。
- 工作頻率 20次/Min。
- 正逆(VR1, VR2)應答設定, 0.5~3/秒。
- 本控制器需與B#或C#控制器搭配使用。
- 高慣性、高慣量之場合, 請先由一次側之速度控制器減速, 再做正逆動作。
- 操作正、逆轉之動作時, 正逆轉之間會有煞車動作。

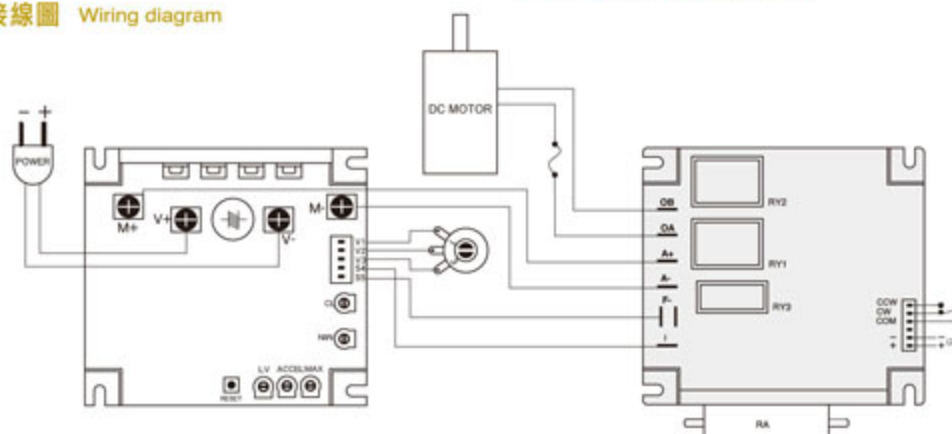
Usage and functions:

- FR-H working voltage, 110/220 Vac, 50/60 Hz.
- FR-LV24 working voltage, 24 Vdc.
- Maximum working electric current 10A
- Frequency of work 20 times per min.
- Forward and reverse (VR1, VR2) has answering time: 0.5~3 seconds.
- The control needs to match up of type B or type C control.
- Under the situation of high inertia, please use primary side of speed control to decelerate at first and then conduct forward and reverse movement.
- When shift forward and reverse, it will stop first before they start to rotate.

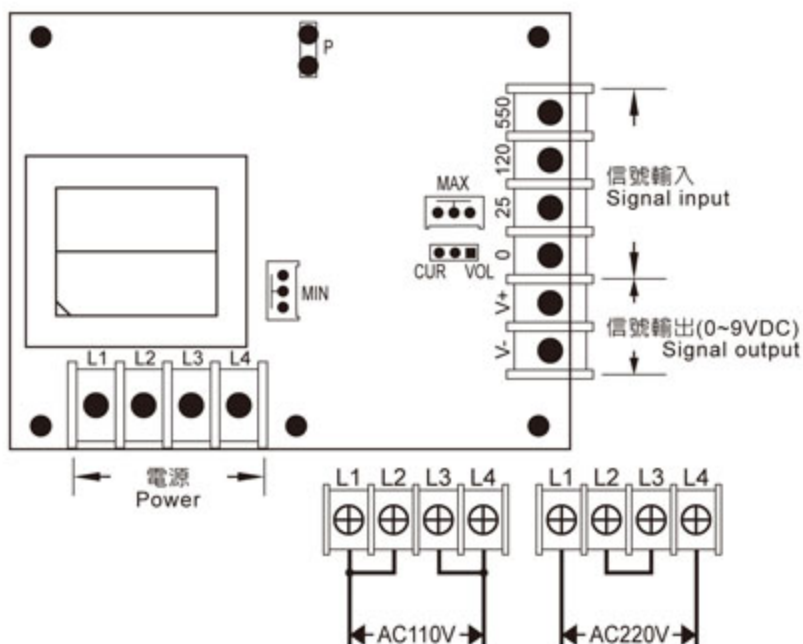
FR-H 接線圖 Wiring diagram



FR-LV24 接線圖 Wiring diagram



XJC-S 信號隔離器 Signal Isolator



● 額定規格 Rated specification

電源 Power Vac 50/60 Hz	信號輸入電壓 Signal input voltage Vdc	信號輸入電流 Signal input current mA	輸出電壓 Output voltage Vdc	額定電流 Rated current mA	MIN調整範圍 Min adjustment range Vdc	MAX調整範圍 Max adjustment range Vdc	重量 Weight g
110/220	0~550	1~50	0~9	10	0~3	~13	200

使用及功能 Usage and functions:

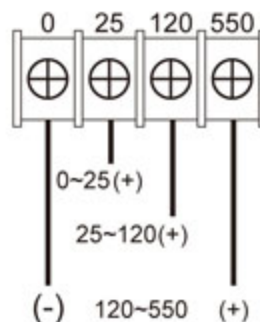
- XJC-S可輸入電壓信號或電流信號。
- 輸出電壓(0~9VDC)由MAX、MIN作校準。
- 請多次調整MAX、MIN，使V+、V-輸出為0~9VDC。
- XJC-S can input the voltage signal or current signal.
- Output voltage (0~9VDC) can take MAX、MIN to amendment.
- Try to adjustment the MAX、MIN, make the output V+、V- is 0~9VDC.

信號輸入模式說明 Signal Input Mode Instruction

● 電壓輸入模式 Voltage input mode

跳腳設定 (Jumper setting) : VOL

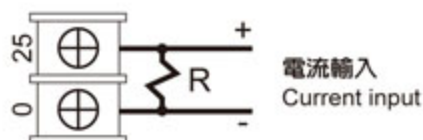
輸入範圍 Range of Input (VDC)	腳位 Relativity pin (+)	腳位 Relativity pin (-)
$0 \leq V \leq 25$	25	0
$25 < V \leq 120$	120	0
$120 < V \leq 550$	550	0



● 電流輸入模式 Current input mode

硬體設定 (Hardware setting) :

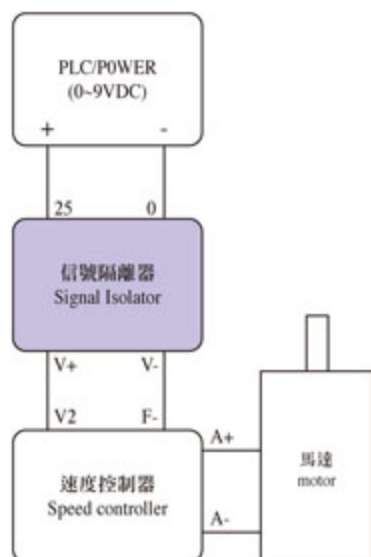
輸入範圍 Range of Input (mA)	跳腳設定 Jumper Setting	使用電阻 Use Resistor
1 ~ 5	VOL	1KΩ 1W
4 ~ 20	CUR	
10 ~ 50	CUR	150Ω 1W



應用接線圖 Applicability wiring diagram

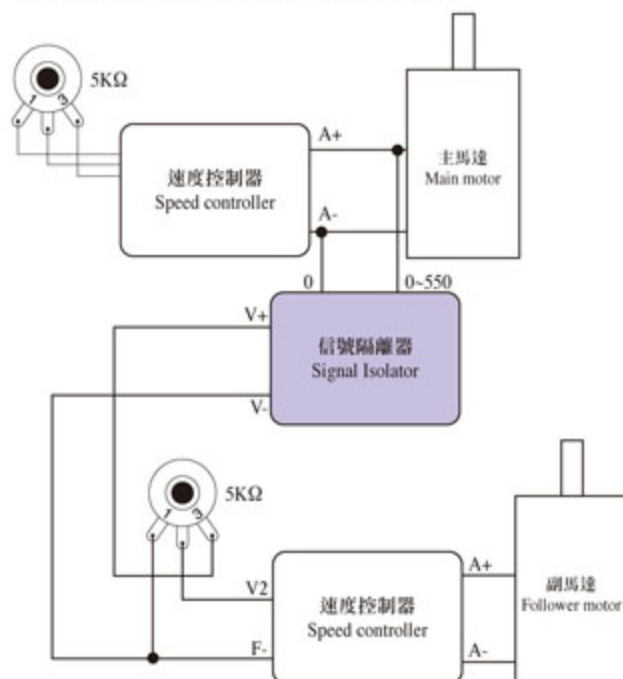
◎作為PLC的隔離控制

Regard PLC as isolation control



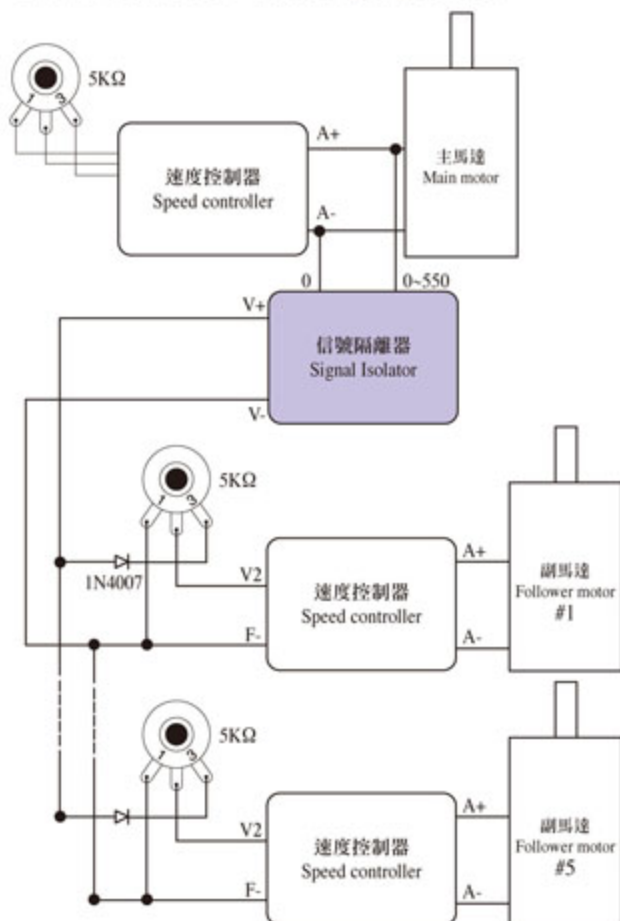
◎主/從馬達-運動控制

Main / Follower motor - gang control



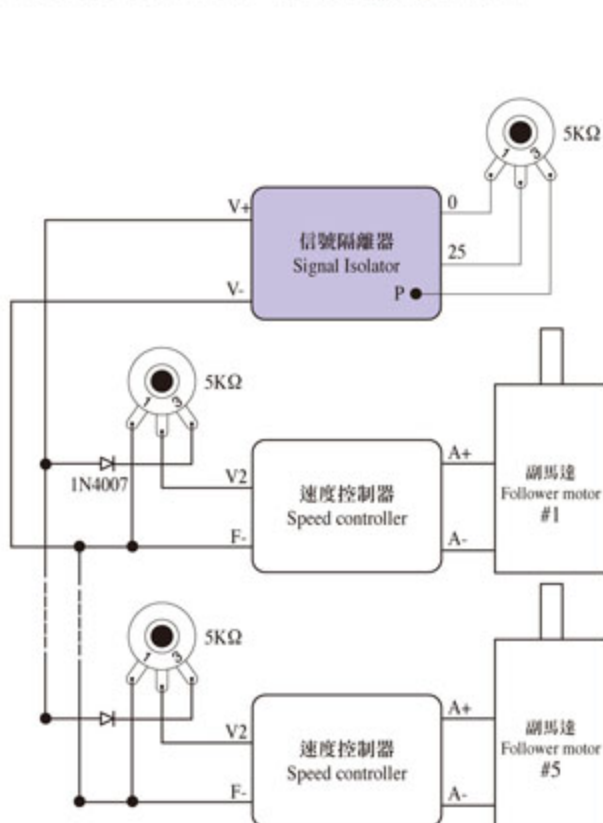
◎主馬達式-多台運動控制

Main motor mode - multiple gang control



◎電位計式-多台運動控制

Potentiometer mode - multiple gang control



★V2和F-為(全重速度控制器)電壓控制腳位

The V2 and F- is connect where (XAJONG speed controller) relativity pin by voltage.

減速機 Gear Reducer

Gear Reducer 減速機



• 減速機索引 Index of Gear Reducer

4

外型尺寸
Dimension

2: □60mm
3: □70mm
4: □80mm
5: □90mm

GN

齒輪種類
Gear Wheel Type

GN: 一般型
General

GX: 重負載
Loaded

100

減速比
Reduction ratio

100: 1/100

10X: 中間減速機
Middle gear reducer

B

軸承種類
Bearing Type

□: 含油軸承 (銘)
Oil bearing (Sketchy)

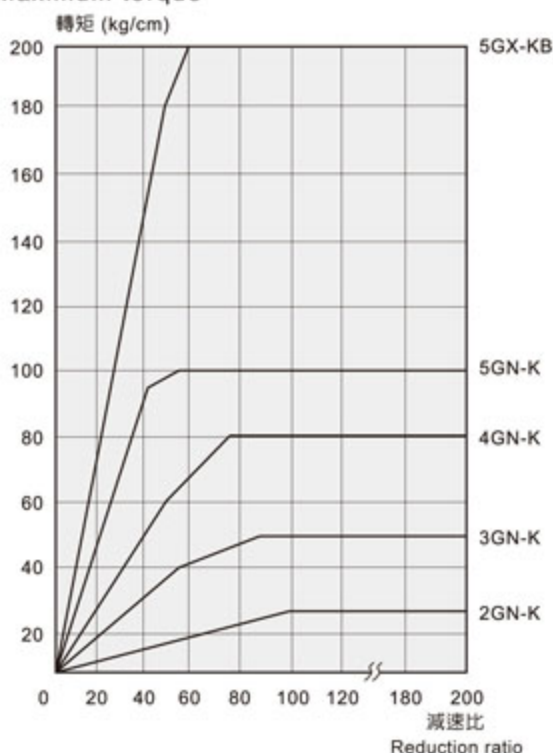
K / KB: 滾珠培林軸承
Row ball bearing

B: 含油軸承與滾珠軸承共用
Adapted to oil Bearing and row ball bearing

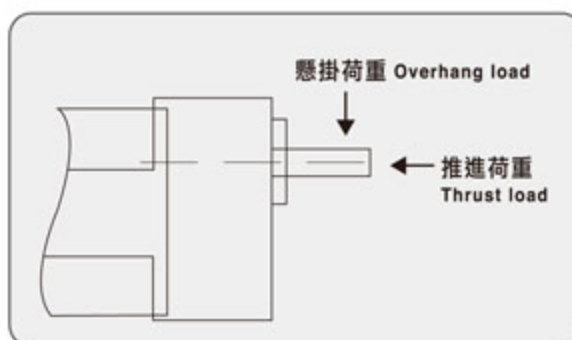
• 減速比及傳動效率 Reduction ratio and transmission efficiency

減速比	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
GN	81%									73%			66%							
GX	81%					73%			66%					59%						

• 最大容許轉矩 Maximum torque



• 容許懸掛荷重及容許推進荷重 Permitting hanging load and permitting propelling load



品名 Product name	最大容許轉矩 Maximum torque (kg.cm)	容許懸掛荷重 (kg) Permitting hanging load		容許推進荷重 permitting propelling load (kg)
		由軸心前10mm處 10mm from the front shaft	由軸心前20mm處 20mm from the front shaft	
2GN	25	8	12	3
2GN-K		12	18	
3GN	50	10	15	4
3GN-K		15	25	
4GN	80	15	25	5
4GN-K		20	30	
5GN	100	30	45	10
5GN-K				
5GX-KB	200	40	60	15

直流馬達 Dc Motor

• 馬達索引 Index of Motor

10 型 號 Type	S 法蘭面 Flange	GN 軸形狀 Shaft shape	F 附件 Attachment	180 電壓 Voltage (Vdc)	18 轉速 Rotation per min(RPM)
05 :2GN □ 60mm	R: 圓形 Round	GN: 螺旋齒軸 Spiral tooth shaft	F: 風扇 Fan	12 : 12	18 : 1800
06 :3GN □ 70mm		GX: 螺旋齒軸 Spiral tooth shaft		24 : 24	
07 :4GN □ 80mm				90 : 90	
08 :5GN □ 90mm				32 : 3200	
10 :5GN □ 90mm	S: 方形 Square	WG: 鍵槽式圓軸 Keyways of round shaft	B2: 後軸心 Rear shaft	180 : 180	36 : 3600
M29 :5GX □ 90mm		P: 圓軸 Round shaft			
M35 :5GX □ 90mm					
M31 : IEC71					

PROBE SENSOR

直流馬達額定規格 General Specification of Direct Current Motor

型號 Type	VOLT (vdc)	AMPS (A)	SPEED (RPM)	OUTPUT (W)	TORQUE (kg-cm)	RATING (min)	WEIGHT (kg)
05	12	1.2	1800	10	0.7	CONT	0.8
	24	0.6					
	90	0.17					
	12	2.4	3200	20	0.75	30 min	0.8
	24	1.2					
	90	0.34					
06	12	2.4	1800	20	1.08	CONT	1.0
	24	1.2					
	90	0.32					
	12	4.2	3200	36	1.1	30 min	1.0
	24	2.1					
	90	0.56					
07	12	3.5	1800	30	1.62	CONT	1.3
	24	1.8					
	90	0.5					
	12	5.2	3200	50	1.83	30 min	1.3
	24	2.6					
	90	0.7					
08	12	4.4	1800	40	2.2	CONT	1.7
	24	2.2					
	90	0.6					
	12	8	3200	70	2.1	30 min	1.7
	24	4					
	90	1.1					
10	12	9	1800	65	3.5	CONT	2.2
	24	4.5					
	90	1.2					
	180	0.6					
	12	14	3200	120	3.66	30 min	2.3
	24	6.8					
	90	1.8					
	180	0.9					
M29	12	13	1800	100	7.0	CONT	3.4
	24	6.5					
	90	1.7					
	180	0.85					
	12	24	3600	200	6.5	30 min	3.5
	24	12					
	90	3.2					
	180	1.6					
M35	12	16	1800	150	10	CONT	4.3
	24	8					
	90	2.4					
	180	1.2					
	24	15	3600	300	9.6	30 min	4.3
	90	4.5					
M31	180	2.3	1800	200	16.2	CONT	8.3
	90	3.2					
	180	1.6					
	90	6.4					
	180	3.2	3600	400	16.2	30 min	8.4

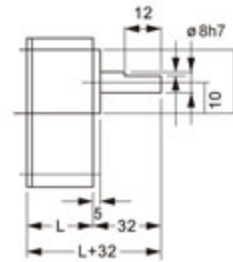
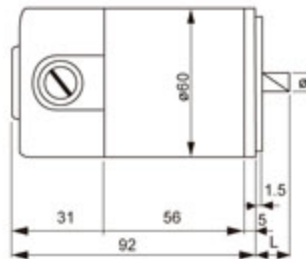
05 SP/SGN直流馬達額定規格 General Specification of Direct Current Motor

General Specification		VOLT (vdc)	AMPS (A)	SPEED (RPM)	OUTPUT (W)	TORQUE (kg-cm)	RATING (min)	WEIGHT (kg)	AUTHENTICATION
型號	Type								
05		12	1.2	1800	10	0.7	CONT	0.8	CE
		24	0.6						
		90	0.17						
		12	2.4	3200	20	0.75	30 min	0.8	
		24	1.2						
		90	0.34						

05 SGN
SP

馬達軸心 Motor shaft

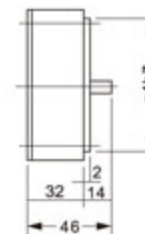
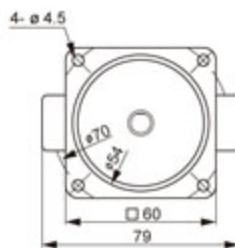
	Ø	L	Key
SGN	5.5	13	
SP	8	26	平面



2GN3-18 L=32
2GN25-180 L=42



key=平面
Weight:0.4kg



2GN10X



Weight:0.2kg

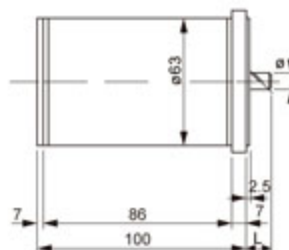
06 SP/SWG/SGN直流馬達額定規格 General Specification of Direct Current Motor

General Specification		VOLT	AMPS	SPEED	OUTPUT	TORQUE	RATING	WEIGHT	AUTHENTICATION
型號 Type	額定	(vdc)	(A)	(RPM)	(W)	(kg-cm)	(min)	(kg)	
06		12	2.4	1800	20	1.08	CONT	1.0	CE
		24	1.2						
		90	0.32						
		12	4.2	3200	36	1.1	30 min	1.0	
		24	2.1						
		90	0.56						

06 SGN
SP/SWG

馬達軸心 Motor shaft

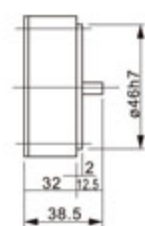
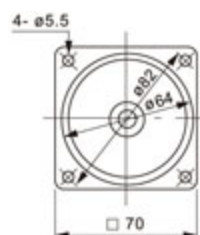
	Ø	L	Key
SGN	6.6	12.5	
SP	8	23	平面
SWG	8	23	3x3



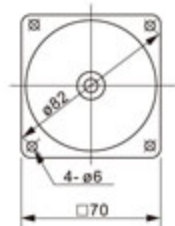
3GN3-18 L=32
3GN25-180 L=42



key=4x4
Weight:0.55kg



3GN10X



Weight:0.3kg

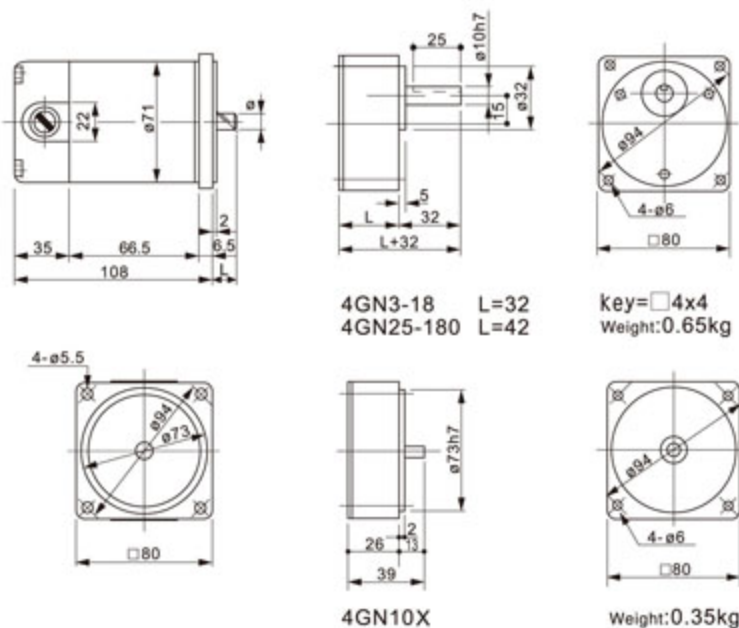
07 SP/SWG/SGN直流馬達額定規格 General Specification of Direct Current Motor

General Specification 型號 Type		VOLT (vdc)	AMPS (A)	SPEED (RPM)	OUTPUT (W)	TORQUE (kg-cm)	RATING (min)	WEIGHT (kg)	AUTHENTICATION
07	12	3.5	1800	30	1.62	CONT	1.3		
	24	1.8							
	90	0.5							
	12	5.2	3200	50	1.83	30 min	1.3		
	24	2.6							
	90	0.7							

07 SGN
SP/SWG ▶

馬達軸心 Motor shaft

	Ø	L	Key
SGN	8	12.5	
SP	8	25	平面
SWG	8	27	3x3



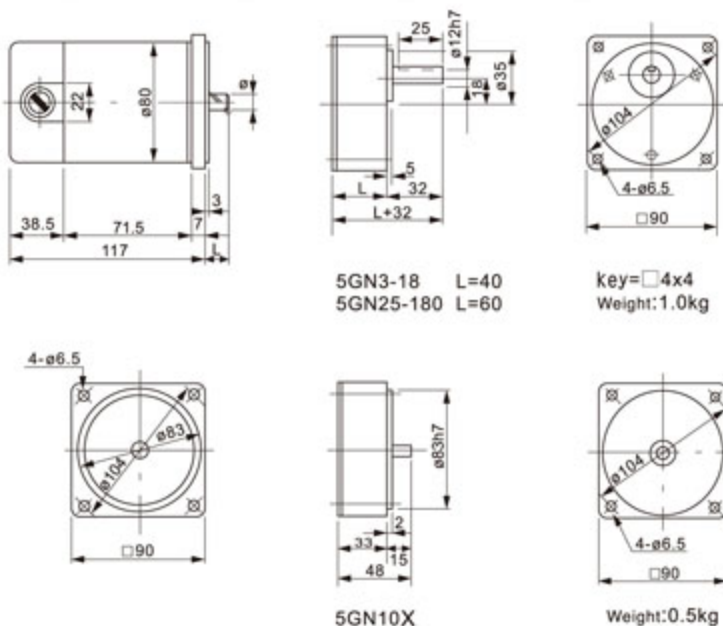
08 SP/SWG/SGN直流馬達額定規格 General Specification of Direct Current Motor

General Specification 型號 Type		VOLT (vdc)	AMPS (A)	SPEED (RPM)	OUTPUT (W)	TORQUE (kg-cm)	RATING (min)	WEIGHT (kg)	AUTHENTICATION
08	12	4.4	1800	40	2.2	CONT	1.7		
	24	2.2							
	90	0.6							
	12	8	3200	70	2.1	30 min	1.7		
	24	4							
	90	1.1							

08 SGN
SP/SWG ▶

馬達軸心 Motor shaft

	Ø	L	Key
SGN	8.9	17	
SP	10	28	平面
SWG	10	28	4x4



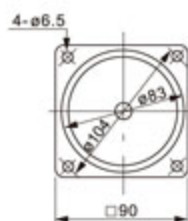
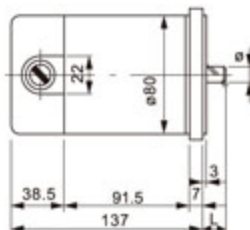
10 SP/SWG/SGN 直流馬達額定規格 General Specification of Direct Current Motor

General Specification 型號 Type		VOLT (vdc)	AMPS (A)	SPEED (RPM)	OUTPUT (W)	TORQUE (kg-cm)	RATING (min)	WEIGHT (kg)	AUTHENTICATION
10	12	9	1800	65	3.5	CONT	2.2		
	24	4.5							
	90	1.2							
	180	0.6							
	12	14	3200	120	3.66	30 min	2.3		
	24	6.8							
	90	1.8							
	180	0.9							

10 SGN
SP/SWG ▶

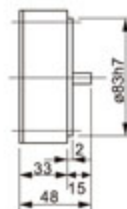
馬達軸心 Motor shaft

	Ø	L	Key
SGN	8.9	17	
SP	10	32	平面
SWG	10	32	4x4



5GN3-18 L=40
5GN25-180 L=60

key=4x4
Weight: 1.0kg



5GN10X

Weight: 0.5kg

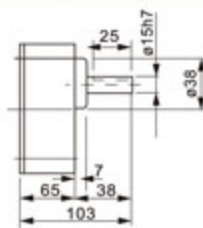
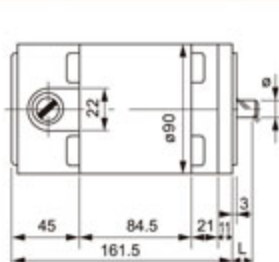
M29 SP/SWG/SGX 直流馬達額定規格 General Specification of Direct Current Motor

General Specification 型號 Type		VOLT (vdc)	AMPS (A)	SPEED (RPM)	OUTPUT (W)	TORQUE (kg-cm)	RATING (min)	WEIGHT (kg)	AUTHENTICATION
M29	12	13	1800	100	7.0	CONT	3.4		
	24	6.5							
	90	1.7							
	180	0.85							
	12	24	3600	200	6.5	30 min	3.5		
	24	12							
	90	3.2							
	180	1.6							

M29 SGX
SP/SWG ▶

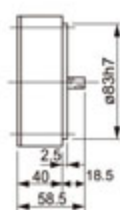
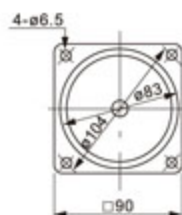
馬達軸心 Motor shaft

	Ø	L	Key
SGX	11.7	17	
SP	12	30	平面
SWG	12	30	4x4



5GX3-180KB

key=5x5
Weight: 1.5kg

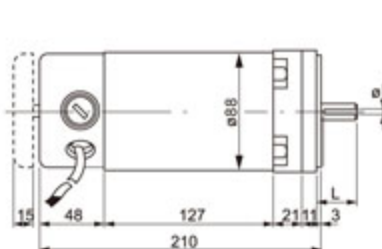


5GX10X

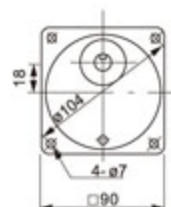
Weight: 0.5kg

General Specification 型號 Type		VOLT (vdc)	AMPS (A)	SPEED (RPM)	OUTPUT (W)	TORQUE (kg-cm)	RATING (min)	WEIGHT (kg)	AUTHENTICATION
M35	12	16	1800	150	10	CONT	4.3		
	24	8							
	90	2.4							
	180	1.2	3600	300	9.6	30 min	4.3		
	24	15							
	90	4.5							
	180	2.3							

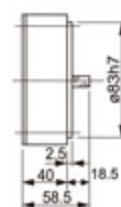
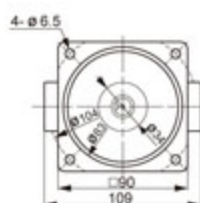
	Ø	L	Key
SGX	11.7	17	
SP	12	32	平面
SWG	12	32	4x4



5GX3~180KB



key=□5x5
Weight: 1.5kg

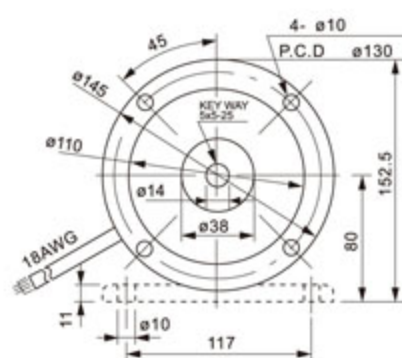


5GX10X



Weight:0.5kg

General Specification 型號 Type	額定 VOLT (vdc)	AMPS (A)	SPEED (RPM)	OUTPUT (W)	TORQUE (kg-cm)	RATING (min)	WEIGHT (kg)	AUTHENTICATION
M31	90	3.2	1800	200	16.2	CONT	8.3	
	180	1.6						
	90	6.4	3600	400	16.2	30 min	8.4	
	180	3.2						



法蘭面 IEC71
Flange



法蘭面 IEC71
Flange

微小直流馬達 Micro Dc Motor

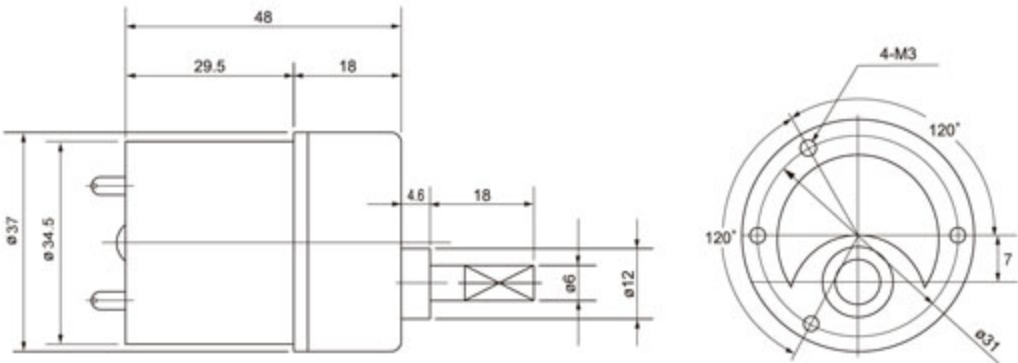
Micro DC Motor 減速機



型號 Type	電壓 (Vdc) Voltage	轉速 Rotational speed	mA 電流	功率 (W) Power	轉矩 (g/cm) Torque	重量 (g) Weight	使用期限(h) Expiration
GH12-1634Y	12	3000	100	0.8	30	120	800
GH24-1063Y	24		60				
GH12-2217Y	12	6000	200	1.7	42	120	800
GH24-1634Y	24		110				

• 減速比 Deceleration ratio

減速比 Ratio	10	30	50	90	100	150	170	270	300	450	500	810	900	1000	3000
EFF%	81	73	66					53					45		



馬達腳座 Motor Stand

Motor Stand 馬達腳座



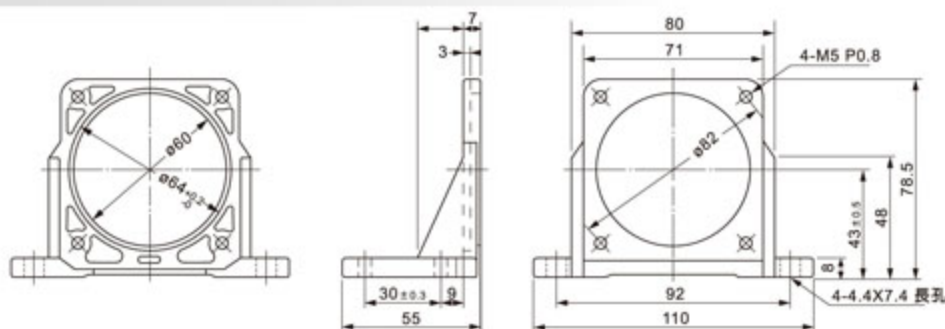
● 尺寸圖 Index of Motor Stand

● 70mm 角用 Angle

品名Product name : LB-3L

重量Weight : 75g

材質Material : AL

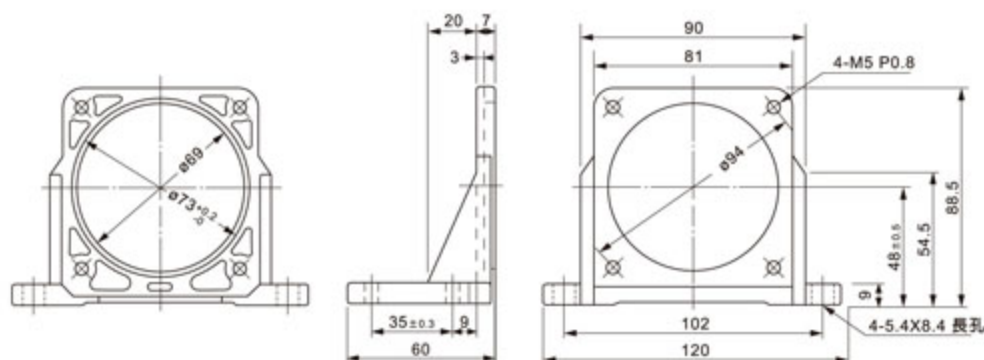


● 80mm 角用 Angle

品名Product name : LB-4L

重量Weight : 120g

材質Material : AL

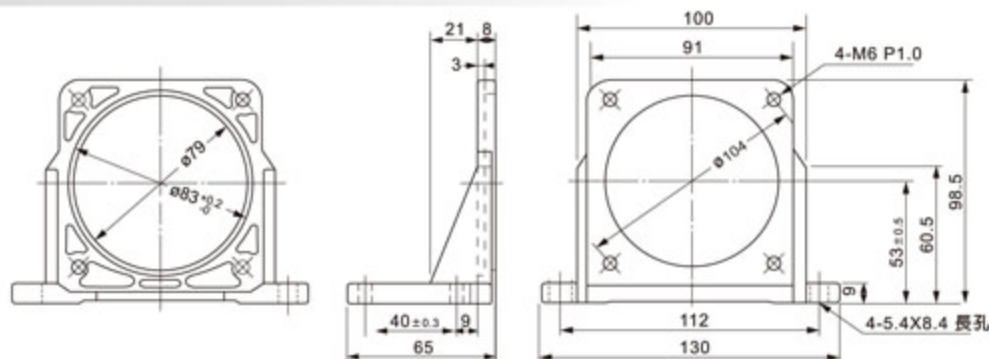


● 90mm 角用 Angle

品名Product name : LB-5L

重量Weight : 140g

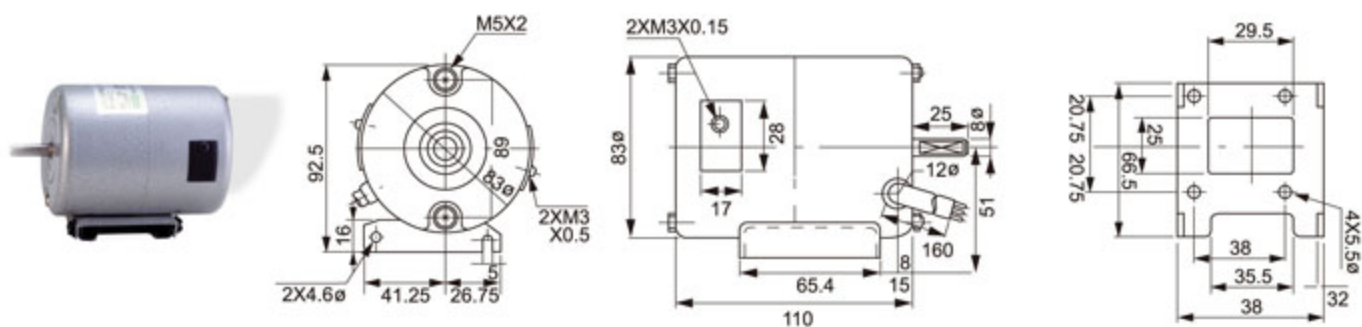
材質Material : AL



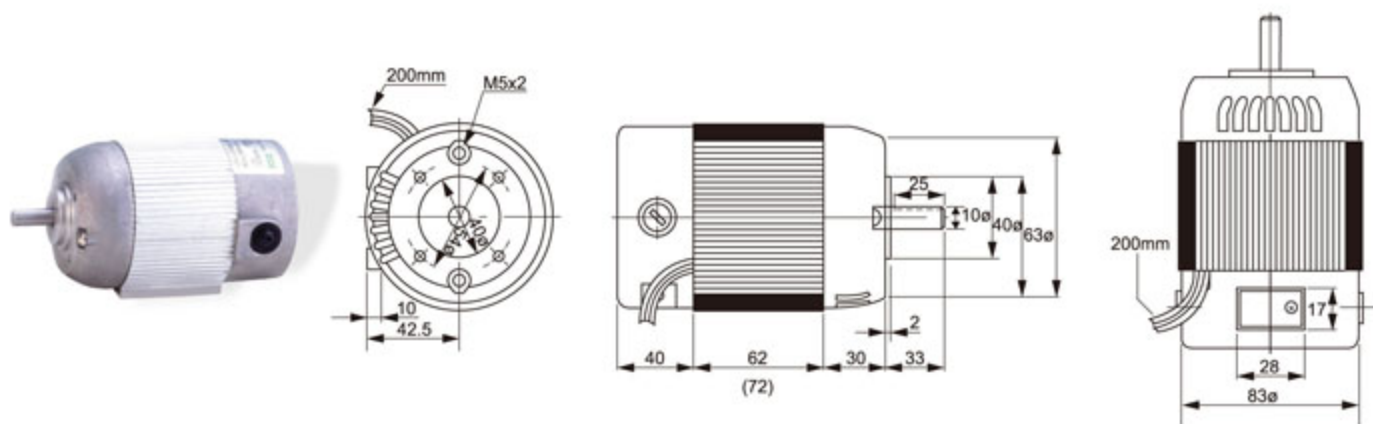
交、直流馬達 Series Motor (AC/DC Motor)

MODEL	VOLT (V)	AMPS (A)	SPEED (RPM)	OUTPUT (W)	TORQUE (kg-cm)	RATING (MIN)	WEIGHT (kg)
M16-F	110	1.5	11500	90	0.82	5	1.7
	220	0.75	11500	90	0.82	5	
8040F	110	1.8	18000	120	1.15	5	1.9
	220	0.9	18000	120	1.15	5	
8050F	110	2.6	18000	180	1.8	5	1.92
	220	1.3	18000	180	1.8	5	

M-16F ▶



8040/8050F ▶

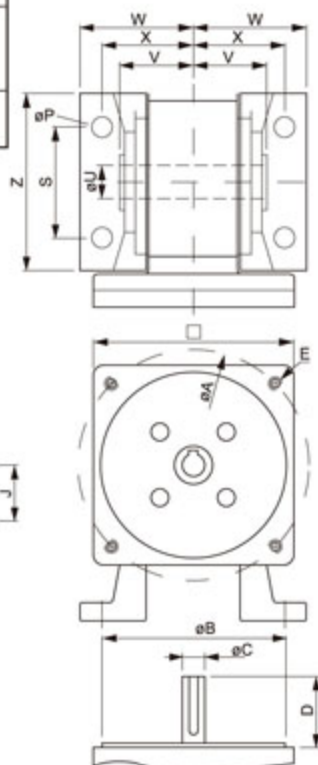
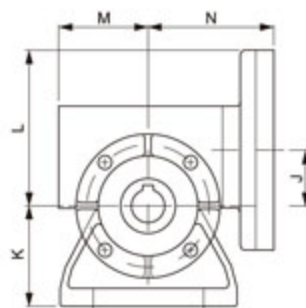


蝸輪減速機 Worm Gear

型號 Type		入 力 軸 側 Input shaft side							出 力 軸 Output shaft			固 定 座 Fixed base					外 部 Outer part				最大容許轉矩 Maximum torque	重量 Weight (kg)
J	□	øA	øB	øC	D	E	KEY	øU	V	KEY	øP	S	W	X	Z	K	L	M	N			
25	70x70	82	64	8	32	M5	3x3x25	15	33	5x5x66	9	50	51	41	80	45	60	40.5	56.5	150	1.1	
	80x80	94	73			M6	4x4x25										65					
	90x90	104	83			10	70															
35	90x90	104	83	12	32	M6	4x4x25	18	40	5x5x80	9	60	58	48	100	50	80	47.5	64.5	300	1.9	
	60x60	70	50	14	30	M5	5x5x25										66	47.5	65.5			

MODEL

25 HaHa - $\frac{i}{\square}$ - M3(□ 70x70)
 M4(□ 80x80)
 M5(□ 90x90)
 35 HaHa - $\frac{i}{\square}$ - M5(□ 90x90)
 M2(□ 60x60)
 $i=5/10/15/20/30/40/50/60$



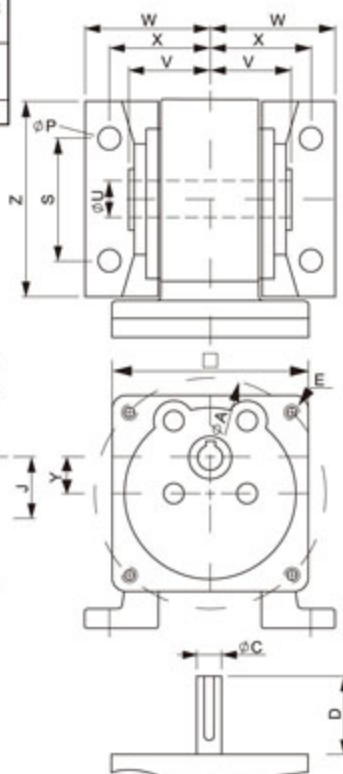
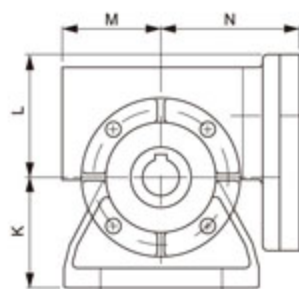
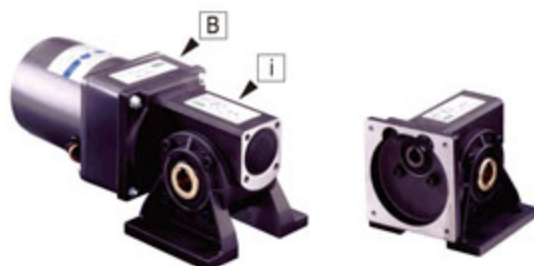
型號 Type		入力軸側 Input shaft side							出力軸 Output shaft			固定座 Fixed base					外部 Outer part				最大容許扭矩 Maximum torque	重量 Weight (kg)
J	□	øA	øC	D	E	KEY	Y	øU	V	KEY	øP	S	W	X	Z	K	L	M	N			
25	70x70	82	10	32	M5	4x4x25	15	15	33	5x5x66	9	50	51	41	80	45	45	40.5	56.5	150	1.1	
	80x80	94															50					
35	90x90	104	12	32	M6	4x4x25	18	18	40	5x5x80	9	60	58	48	100	50	62	47.5	64.5	300	1.9	

MODEL

25 HaHa - $\frac{i}{\square}$ - G3(□ 70x70-3GN)
 G4(□ 80x80-4GN)
 35 HaHa - $\frac{i}{\square}$ - G5(□ 90x90-5GN)
 $i=5/10/15/20/30/40/50/60 \times B$ (二段減速比)

Two-stage deceleration ratio

建議使用 $i=30$, 總比數/30=B
 Suggestion $i=30$, total ratio/30=B

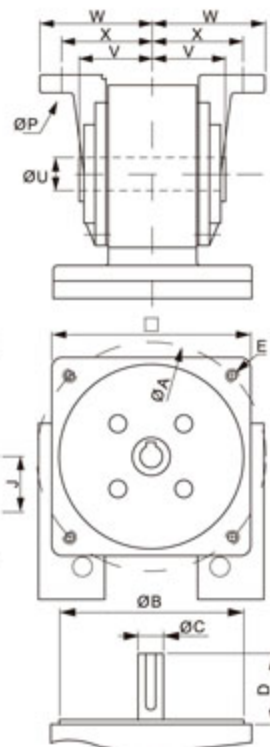
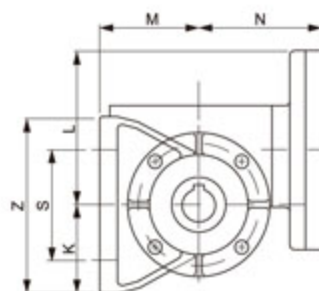


蝸輪減速機 Worm Gear

型號 Type	入力軸側 Input shaft side							出力軸 Output shaft			固定座 Fixed base							外部 Outer part				最大容許轉矩 Maximum torque	重量 Weight (kg)
J	□	øA	øB	øC	D	E	KEY	øU	V	KEY	øP	S	W	X	Z	K	L	M	N				
25	70x70	82	64	8	32	M5	3x3x25	15	33	5x5x66	9	50	51	41	80	40	60	45	56.5	150	1.1		
	80x80	94	73														65	45	56.5				
	90x90	104	83														70	45	56.5				
35	90x90	104	83	12	32	M6	4x4x25	18	40	5x5x80	9	60	58	48	100	50	80	50	64.5	300	1.9		
	60x60	70	50	14	30	M5	5x5x25										66	50	65.5				

MODEL

25 HbHb- $\square$ -M3($\square$ 70x70)
 M4($\square$ 80x80)
 M5($\square$ 90x90)
 35 HbHb- $\square$ -M5($\square$ 90x90)
 M2($\square$ 60x60)
 i=5/10/15/20/30/40/50/60



型號 Type	入力軸側 Input shaft side							出力軸 Output shaft			固定座 Fixed base							外部 Outer part				最大容許轉矩 Maximum torque	重量 Weight (kg)
J	□	øA	øC	D	E	KEY	Y	øU	V	KEY	øP	S	W	X	Z	K	L	M	N				
25	70x70	82	10	32	M5	4x4x25	15	15	33	5x5x66	9	50	51	41	80	45	45	45	56.5	150	1.1		
	80x80	94															50	45	56.5				
35	90x90	104	12	32	M6	4x4x25	18	18	40	5x5x80	9	60	58	48	100	50	62	50	64.5	300	1.9		

MODEL

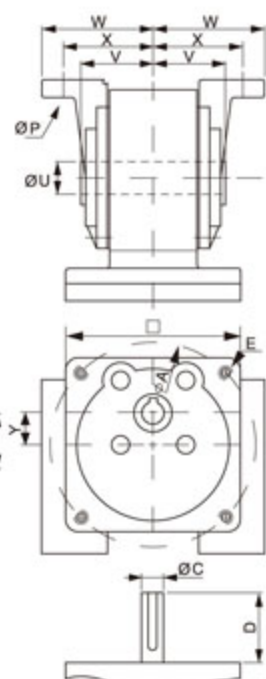
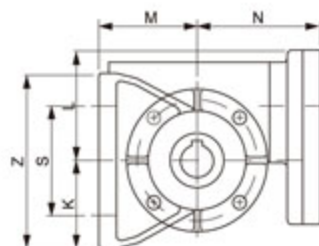
25 HbHb- $\square$ -G3($\square$ 70x70-3GN)
 G4($\square$ 80x80-4GN)
 35 HbHb- $\square$ -G5($\square$ 90x90-5GN)

i=5/10/15/20/30/40/50/60x[B] (二段減速比)

Two-stage deceleration ratio

建議使用 i=30, 總比數/30=B

Suggestion i=30, total ratio/30=B

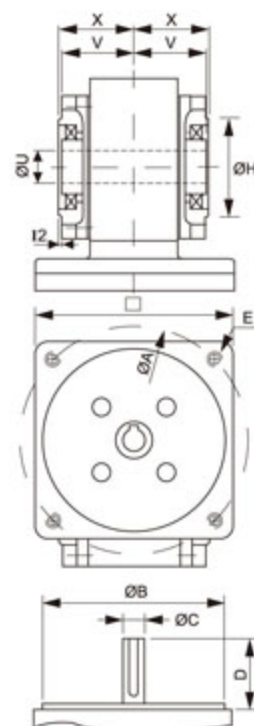
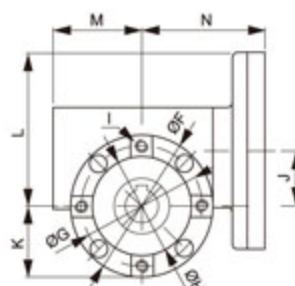


蝸輪減速機 Worm Gear

型號 Type	入 力 軸 側 Input shaft side							出 力 軸 Output shaft			固 定 座 Fixed base							外 部 Outer part				最大容許轉矩 Maximum torque	重 量 Weight (kg)
J	□	øA	øB	øC	D	E	KEY	øU	V	KEY	øF	øG	øH	I	I2	X	K	L	M	N			
25	70x70	82	64	8	32	M5	3x3x25	15	33	5x5x66	65	55	45	M6x7	1.5	34	32.5	60	40.5	56.5	150	1.1	
	80x80	94	73															65					
	90x90	104	83															10					M6
35	90x90	104	83	12	32	M6	4x4x25	18	40	5x5x80	80	70	52	M6x7	1.5	41	40	80	47.5	64.5	300	1.9	
	60x60	70	50	14	30	M5	5x5x25											66		65.5			

MODEL

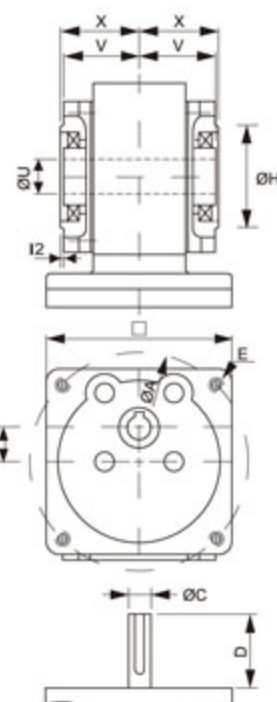
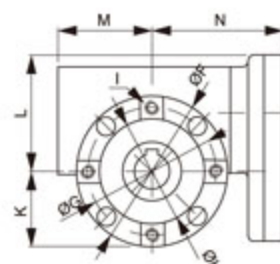
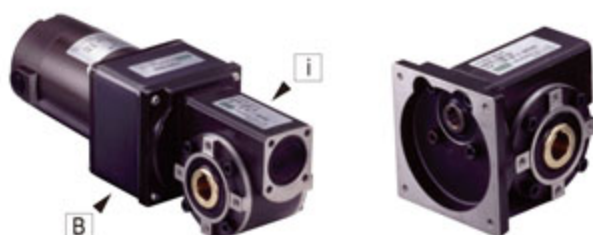
25 CC - $\frac{i}{\square}$ - M3($\square$ 70x70)
 M4($\square$ 80x80)
 M5($\square$ 90x90)
 35 CC - $\frac{i}{\square}$ - M5($\square$ 90x90)
 M2($\square$ 60x60)
 $i=5/10/15/20/30/40/50/60$
 25C/35C 扭力臂另選
 25C/35C Torque fixed arm it's another free choose



型號 Type	入力軸側 Input shaft side							出力軸 Output shaft			固定座 Fixed base							外部 Outer part				最大容許轉矩 Maximum torque	重量 Weight (kg)
J	□	øA	øC	D	E	KEY	Y	øU	V	KEY	øF	øG	øH	I	I2	X	K	L	M	N			
25	70x70	82	10	32	M5	4x4x25	15	15	33	5x5x66	65	55	45	M6x7	1.5	34	32.5	45	40.5	56.5	150	1.1	
	80x80	94																50					
35	90x90	104	12	32	M6	4x4x25	18	18	40	5x5x80	80	70	52	M6x7	1.5	41	40	62	47.5	64.5	300	1.9	

MODEL

25 CC - $\frac{i}{\square}$ - G3($\square$ 70x70-3GN)
 G4($\square$ 80x80-4GN)
 35 CC - $\frac{i}{\square}$ - G5($\square$ 90x90-5GN)
 $i=5/10/15/20/30/40/50/60 \times B$ (二段減速比) Two-stage deceleration ratio
 25C/35C 扭力臂另選
 25C/35C Torque fixed arm it's another free choose
 建議使用 $i=30$, 總比數 $30=B$
 Suggestion $i=30$, total ratio $30=B$

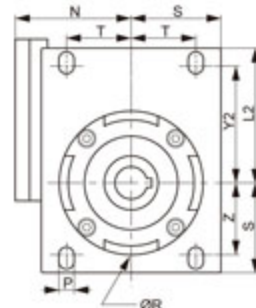
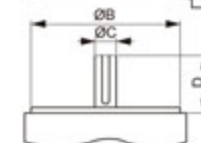
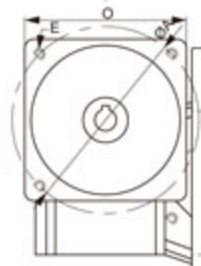
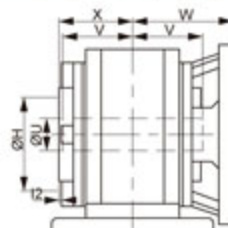
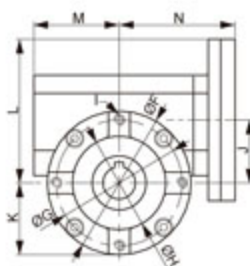
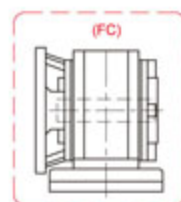


蝸輪減速機 Worm Gear

型號 Type	入 力 軸 側 Input shaft side							出 力 軸 Output shaft			固 定 座 Fixed base												外 部 Outer part					最大容許轉矩 Maximum torque	重量 Weight (kg)
J	□	øA	øB	øC	D	E	KEY	øU	V	KEY	øF	øG	øH	I2	L2	øP	øR	T	Y2	W	X	Z	K	L	M	N	S		
25	70x70	82	64	8	32	M5	3x3x25	15	33	5x5x66	65	55	45	1.5	54.5	6	65	30	48	46	34	36	32.5	60	40.5	56.5	42.5	150	1.2
	80x80	94	73			65																							
	90x90	104	83			10	M6																	4x4x25					
35	90x90	104	83	12	32	M6	4x4x25	18	40	5x5x80	80	70	52	1.5	75	8	80	36	65	56	41	40	40	80	64.5	50	300	2.0	
	60x60	70	50	14	30	M5	5x5x25																	66	47.5				65.5

MODEL

25 FC — i — M3(□ 70x70)
 CF — M4(□ 80x80)
 M5(□ 90x90)
 35 FC — i — M5(□ 90x90)
 CF — M2(□ 60x60)
 i=5/10/15/20/30/40/50/60

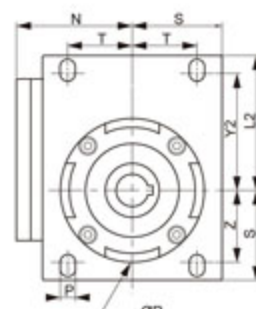
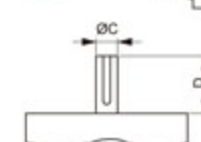
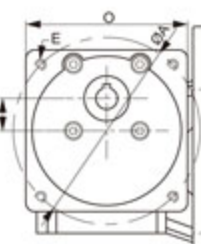
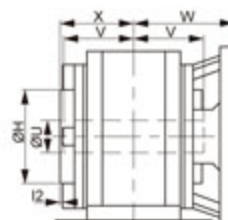
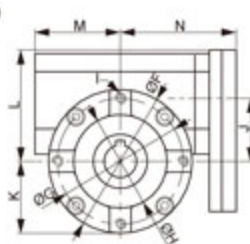
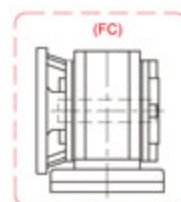


型號 Type	入 力 軸 側 Input shaft side							出 力 軸 Output shaft			固 定 座 Fixed base												外 部 Outer part					最大容許轉矩 Maximum torque	重 量 Weight (kg)
J	□	øA	øC	D	E	KEY	Y	øU	V	KEY	øF	øG	øH	I2	L2	øP	øR	T	W	X	Y2	Z	K	L	M	N	S		
25	70x70	82	10	32	M5	4x4x25	15	15	33	5x5x66	65	55	45	1.5	54.4	6	65	30	46	34	48	36	32.5	45	40.5	56.5	42.5		
	80x80	94																						50					
35	90x90	104	12	32	M6	4x4x25	18	18	40	5x5x80	80	70	52	1.5	75	8	80	36	56	41	65	40	40	62	47.5	64.5	50	300	2.0

MODEL

25 FC — i — G3(□ 70x70-3GN)
 CF — G4(□ 80x80-4GN)
 35 FC — i — G5(□ 90x90)
 CF —

i=5/10/15/20/30/40/50/60x[B] (二段減速比)
 Two-stage deceleration ratio
 建議使用 i=30, 總比數/30=B
 Suggestion i=30, total ratio/30=B

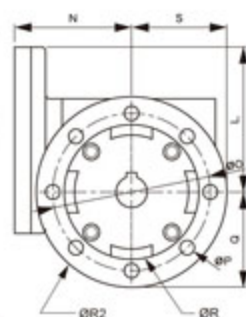
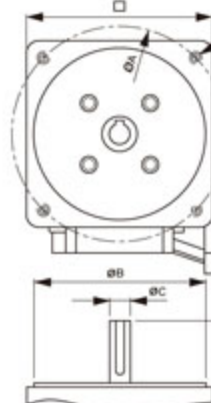
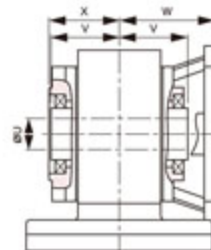
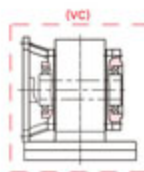


蝸輪減速機 Worm Gear

型號 Type	入 力 軸 側 Input shaft side							出 力 軸 Output shaft			固 定 座 Fixed base										外 部 Outer part					最大容許轉矩 Maximum torque	重量 Weight (kg)	
J	□	øA	øB	øC	D	E	KEY	øU	V	KEY	øF	øG	øH	I2	øO	øP	Q	øR	øR2	W	X	K	L	M	N	S		
25	70x70	82	64	8	32	M5	3x3x25	15	33	5x5x66	65	55	45	1.5	76	6.5	46	65	92	51.5	34	32.5	60	40.5	56.5	46	150	1.2
	80x80	94	73																				65					
	90x90	104	83																				10					
35	90x90	104	83	12	32	M6	4x4x25	18	40	5x5x80	80	70	52	1.5	91	6.5	54.5	80	109	56	41	40	80	47.5	64.5	54.5	300	2.0
	60x60	70	50	14	30	M5	5x5x25																66		65.5			

MODEL

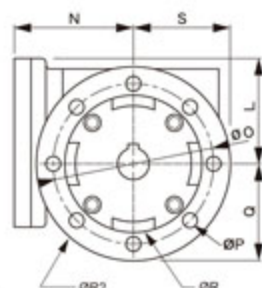
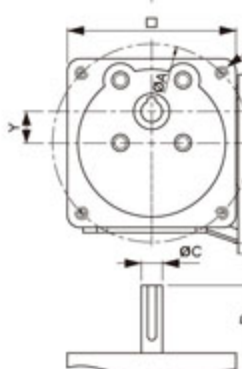
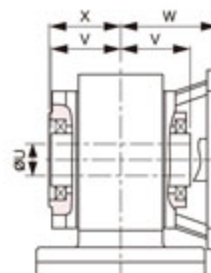
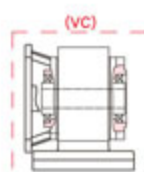
25 $\frac{CV}{VC}$ $\frac{i}{VC}$ M3(□ 70x70)
 M4(□ 80x80)
 M5(□ 90x90)
 35 $\frac{CV}{VC}$ $\frac{i}{VC}$ M5(□ 90x90)
 M2(□ 60x60)
 i=5/10/15/20/30/40/50/60



型號 Type	入力軸側 Input shaft side							出力軸 Output shaft			固定座 Fixed base										外部 Outer part					最大容許轉矩 Maximum torque	重量 Weight (kg)	
J	□	øA	øC	D	E	KEY	Y	øU	V	KEY	øF	øG	øH	I2	øO	øP	Q	øR	øR2	W	X	K	L	M	N	S		
25	70x70	82	10	32	M5	4x4x25	15	15	33	5x5x66	65	55	45	1.5	76	6.5	46	65	92	51.5	34	32.5	45	40.5	56.5	46	150	1.2
	80x80	94																					50					
35	90x90	104	12	32	M6	4x4x25	18	18	40	5x5x80	80	70	52	1.5	91	6.5	54.5	80	109	56	41	40	62	47.5	64.5	54.5	300	2.0

MODEL

25 $\frac{CV}{VC}$ $\frac{i}{VC}$ G3(□ 70x70-3GN)
 G4(□ 80x80-4GN)
 35 $\frac{CV}{VC}$ $\frac{i}{VC}$ G5(□ 90x90-5GN)
 i=5/10/15/20/30/40/50/60 x B (二段減速比)
 Two-Stage deceleration ratio
 建議使用 i=30, 總比數/30=B
 Suggestion i=30, total ratio/30=B



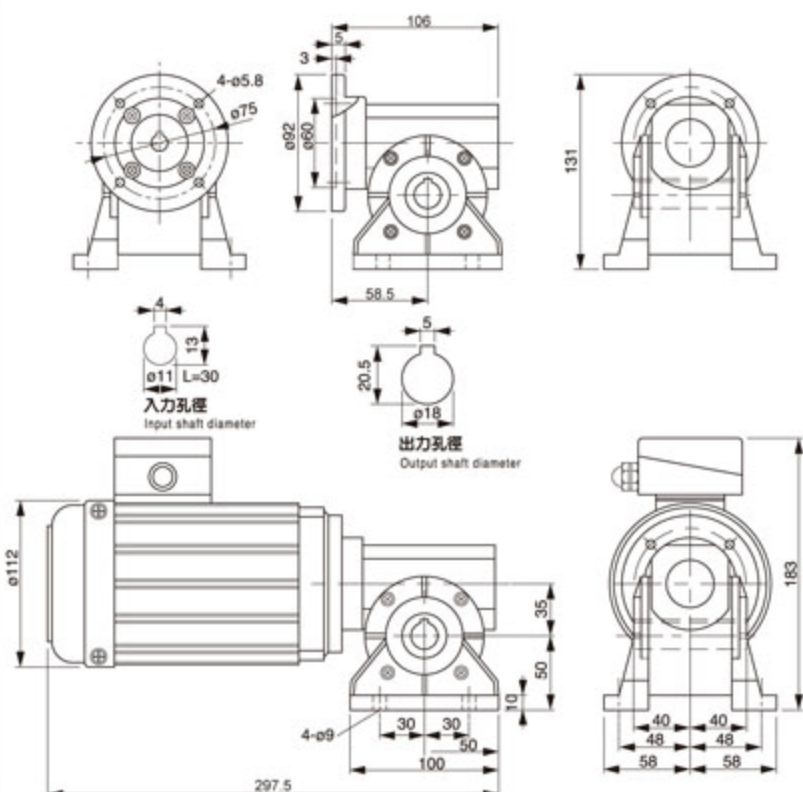
蝸輪減速機 Worm Gear

MODEL

35 HaHa--W200B14

35 HaHa--200W(附1/4HP馬達;with 1/4HP motor)

i=5/10/15/20/30/40/50/60

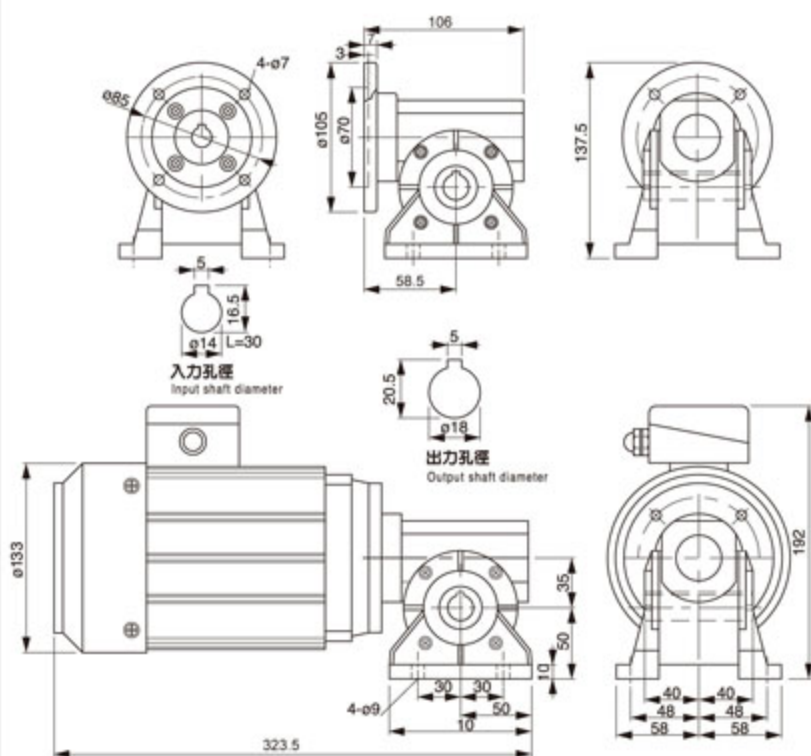


MODEL

35 HaHa--W400B14

35 HaHa--400W(附1/2HP馬達;with 1/2HP motor)

i=5/10/15/20/30/40/50/60



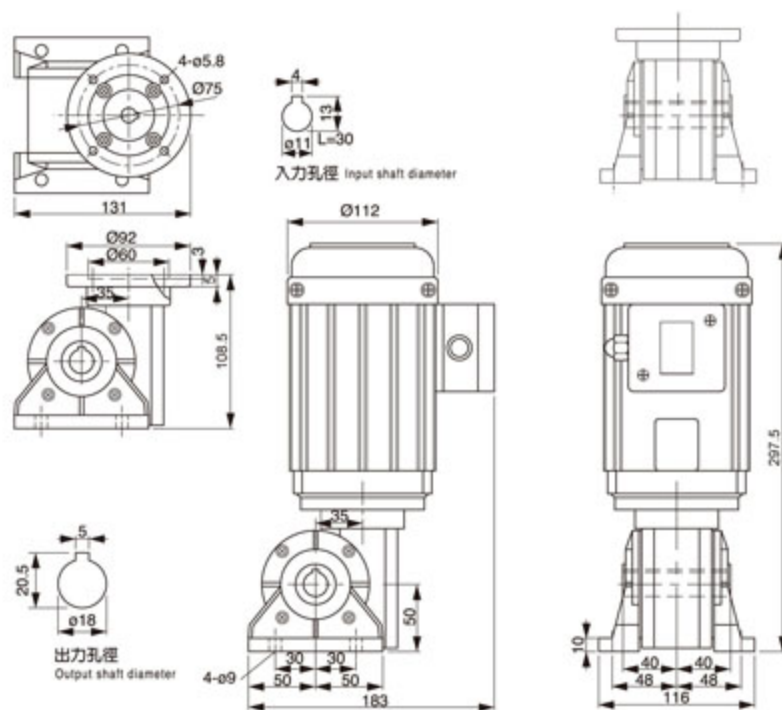
■ 最大容許轉矩300kg/cm
 Maximum torque

■ 重量 Gear.....1.9kg
 Weight 1/4 HP Motor.....5kg
 1/2 HP Motor.....7kg

蝸輪減速機 Worm Gear

MODEL

35 HbHb- $\square$ -W200B14
 35 HbHb- $\square$ -200W(附1/4HP馬達;with 1/4HP motor)
 i=5/10/15/20/30/40/50/60

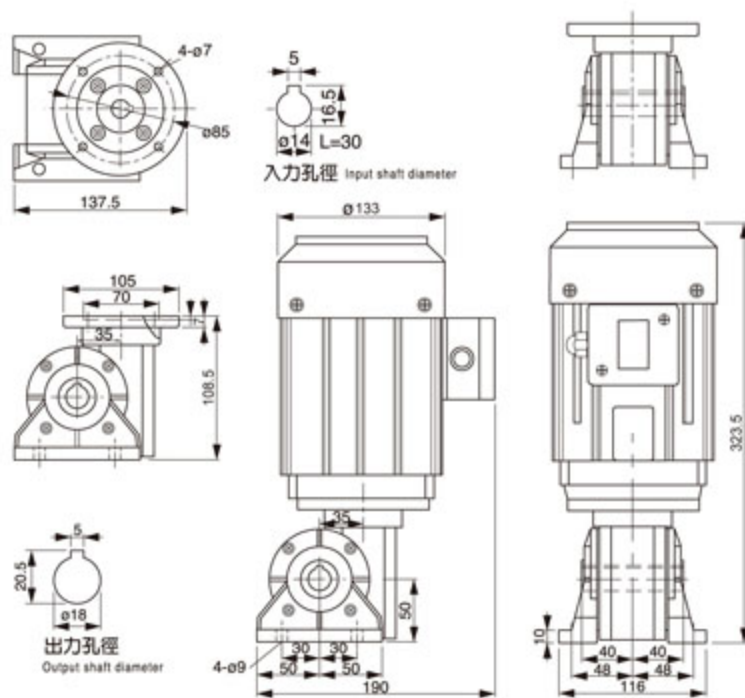


MODEL

35 HbHb- $\square$ -W400B14
 35 HbHb- $\square$ -400W(附1/2HP馬達;with 1/2HP motor)
 i=5/10/15/20/30/40/50/60

■ 最大容許轉矩300kg/cm
 Maximum torque

■ 重量 Gear.....1.9kg
 Weight 1/4 HP Motor.....5kg
 1/2 HP Motor.....7kg



蝸輪減速機 Worm Gear

MODEL

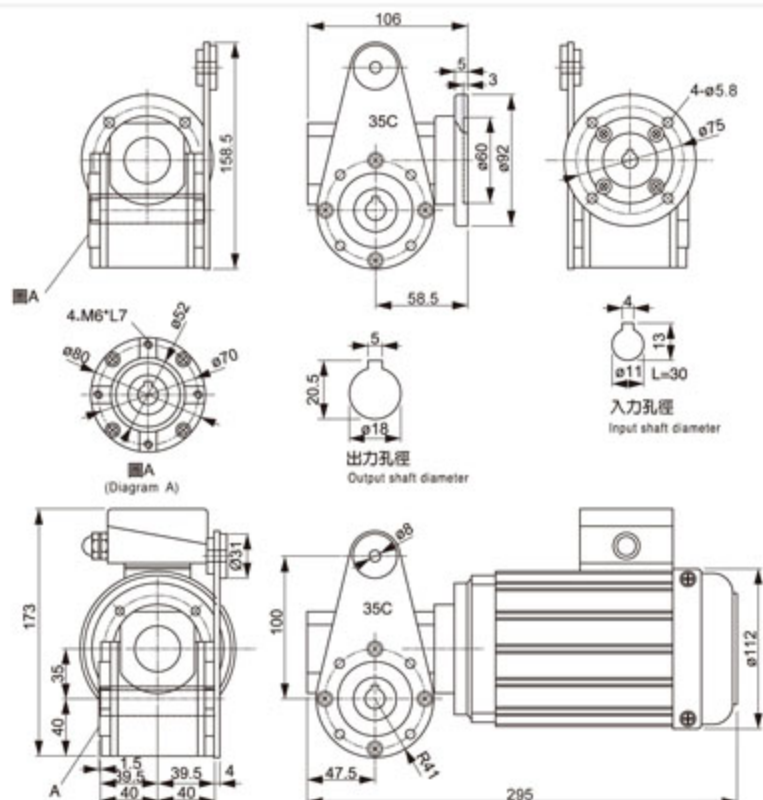
35 CC -  - W200B14

35 CC -  - 200W(附1/4HP馬達;with 1/4HP motor)

i=5/10/15/20/30/40/50/60

35C 扭力臂另選

35C Torque fixed arm it's another free choose



MODEL

35 CC -  - W400B14

35 CC -  - 400W(附1/2HP馬達;with 1/2HP motor)

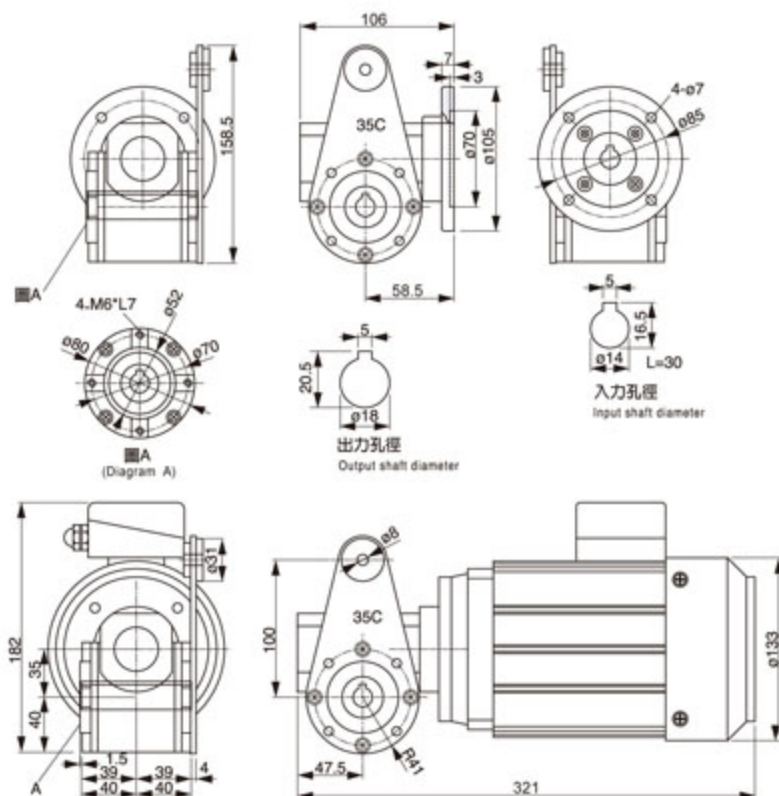
i=5/10/15/20/30/40/50/60

35C 扭力臂另選

35C Torque fixed arm it's another free choose

■ 最大容許轉矩300kg/cm
Maximum torque

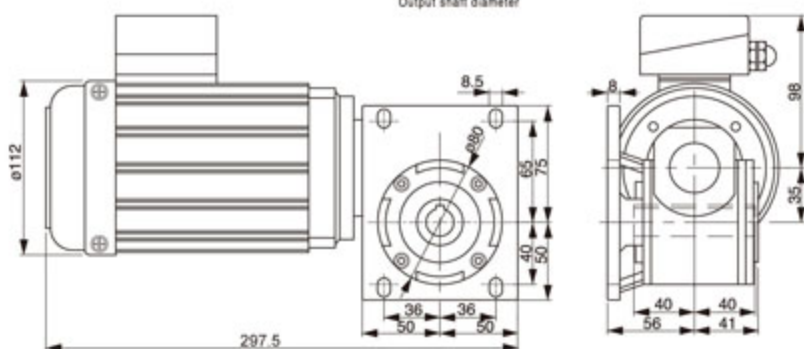
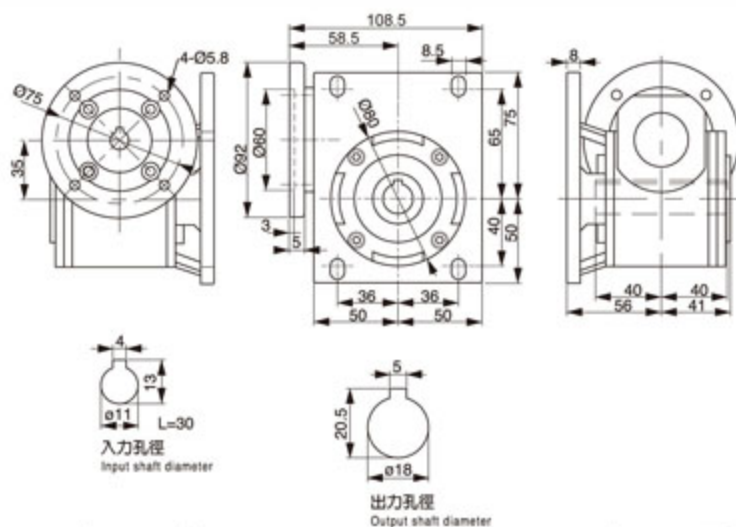
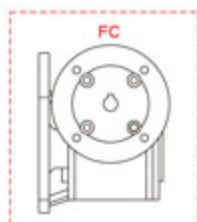
■ 重量 Gear.....1.9kg
Weight 1/4 HP Motor.....5kg
1/2 HP Motor.....7kg



蝸輪減速機 Worm Gear

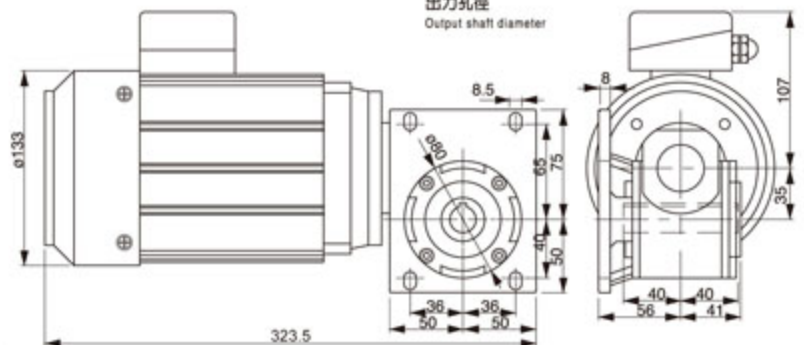
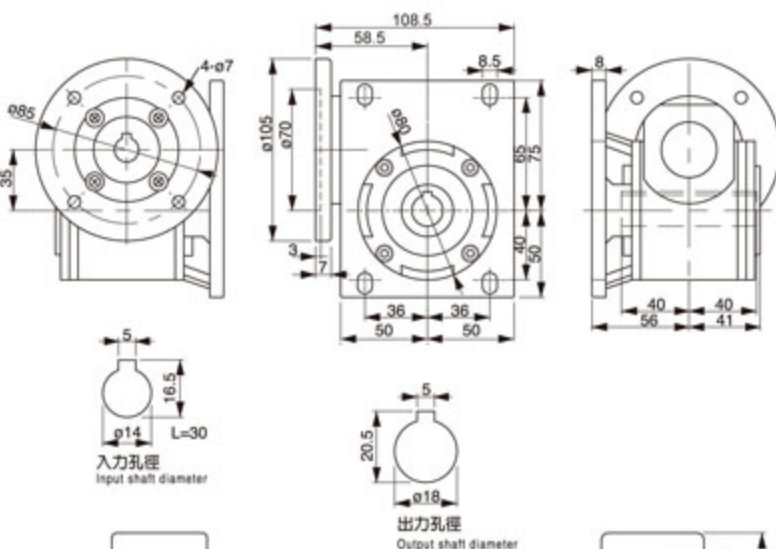
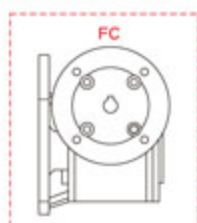
MODEL

35 $\frac{CF}{FC}$ - $\frac{i}{1}$ - W200B14
 35 $\frac{CF}{FC}$ - $\frac{i}{1}$ - 200W(附1/4HP馬達;with 1/4HP motor)
 $i=5/10/15/20/30/40/50/60$



MODEL

35 $\frac{CF}{FC}$ - $\frac{i}{1}$ - W400B14
 35 $\frac{CF}{FC}$ - $\frac{i}{1}$ - 400W(附1/2HP馬達;with 1/2HP motor)
 $i=5/10/15/20/30/40/50/60$



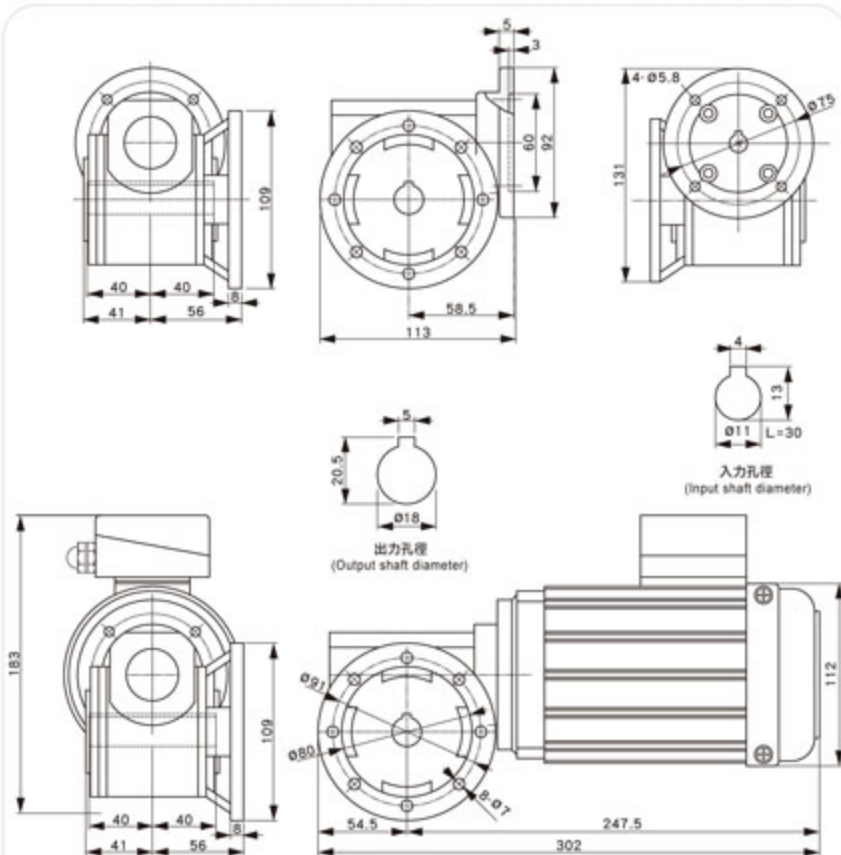
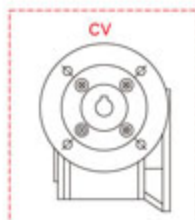
■ 最大容許轉矩300kg/cm
 Maximum torque

■ 重量 Gear.....1.9kg
 Weight 1/4 HP Motor.....5kg
 1/2 HP Motor.....7kg

蝸輪減速機 Worm Gear

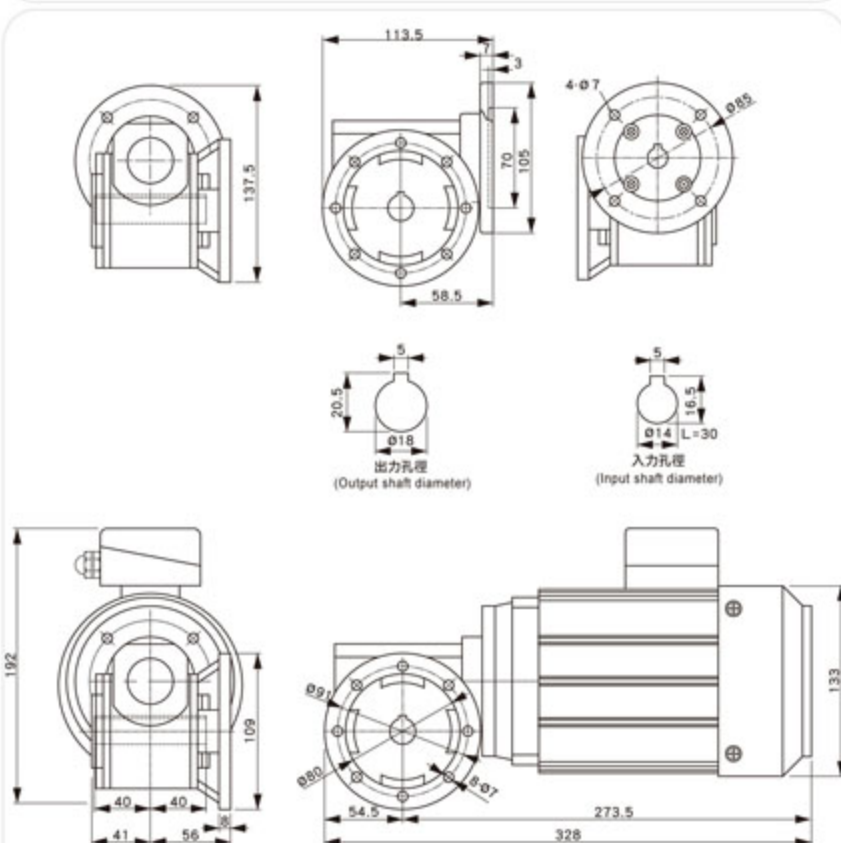
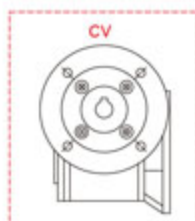
MODEL

$35 \frac{CV}{VC}$ - $\frac{i}{VC}$ - W200B14
 $35 \frac{CV}{VC}$ - $\frac{i}{VC}$ - 200W (附 1/4HP 馬達; with 1/4HP motor)
 $i=5/10/15/20/30/40/50/60$



MODEL

$35 \frac{CV}{VC}$ - $\frac{i}{VC}$ - W400B14
 $35 \frac{CV}{VC}$ - $\frac{i}{VC}$ - 400W (附 1/2HP 馬達; with 1/2HP motor)
 $i=5/10/15/20/30/40/50/60$

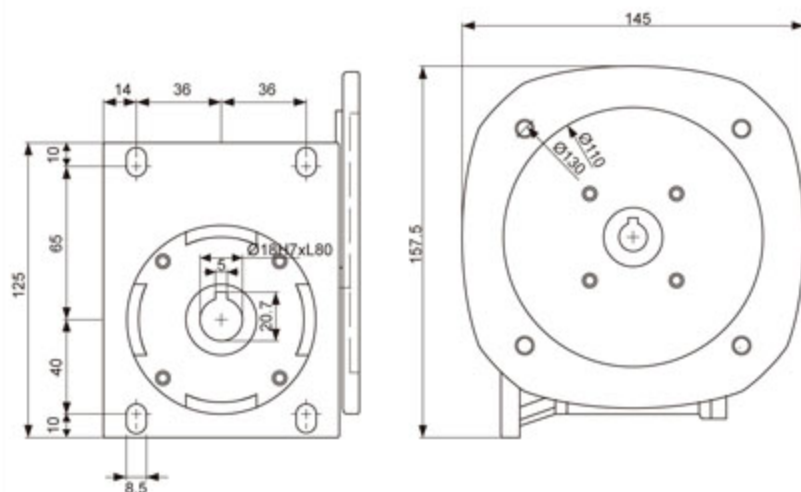


蝸輪減速機 Worm Gear

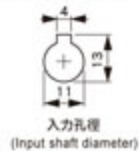
MODEL

35 FC —  63(IEC 63)
71(IEC 71)

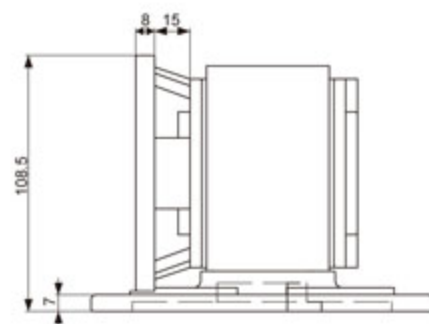
i=5/10/15/20/30/40/50/60



IEC-63



IEC-71



- IEC 63 搭配1/4HP馬達使用
- IEC 71 搭配1/4HP或1/2HP使用
- ★ IEC 71 搭配1/2HP馬達時蝸輪可使用之最大比數為40比

IEC 63 is applied to 1/4HP motor.

IEC 71 is applied to 1/4HP motor or 1/2HP motor

- ★ IEC 71 when it is applied to 1/2HP, the max ratio is 40.

- 固定方式選擇如下：

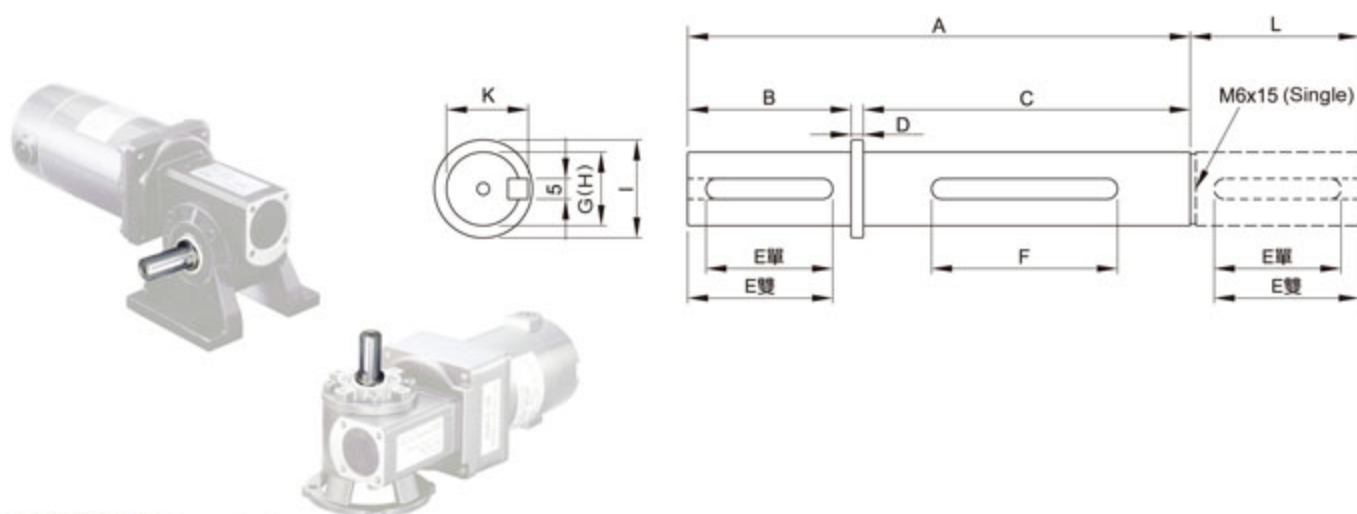
Fixed way can choose as below:

CC、CB、BC、CF、FC、CV、VC、HaHa、HbHb

蝸輪減速機 Worm Gear

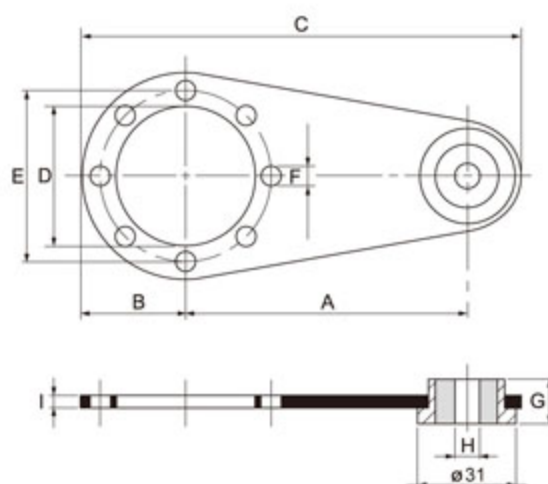
• 蝸輪減速機出力軸 Worm gear output shaft

型號 Type	A	B	C	D	E key	F key	G	H	I	J	K	L	Weight kg
25	102	35	Single 單 65	2	單 5x5x25	5x5x60	ø15	ø15	ø18	M6x15	17.3	36.5	Single 單 0.17
			Double 雙 66		雙 5x5x30								Double 雙 0.28
35	122	40	Single 單 79	3	單 5x5x30	5x5x70	ø18	ø18	ø22	M6x15	20.3	41.5	Single 單 0.23
			Double 雙 80		雙 5x5x35				ø24				Double 雙 0.38



• 扭力固定臂 Torque fixed arm

型號 Type	A	B	C	D	E	F	G	H	I	Weight kg
25C	90	33.5	141	ø45	ø55	ø6.5	14	ø8	4	0.14
35C	100	41	158.5	ø52	ø70	ø6.5	14	ø8	4	0.23



AC同步馬達 AC Synchronous Motor

扭力與線號比率表 Torque And Wire Ratio Table

60Hz RPM	50Hz RPM	110V ~ 220V		(電源線黑色) 方向線 Black power cord Direction wire	AC - 24V		(電源線白色) 方向線 White power cord Direction wire	Weight g
		# 線號 (W) Wire No.	制動扭力 Braking torque (kgf - cm)		# 線號 (W) Wire No.	制動扭力 Braking torque (kgf - cm)		
1	0.83	48 (4)	68.8	藍色線 Blue wire	90 (5)	78.3	藍色線 Blue wire	255
2	1.66	48 (4)	46.4	橙色線 Orange wire	90 (5)	53.2	橙色線 Orange wire	
3	2.5	48 (4)	34.3	橙色線 Orange wire	90 (5)	35.1	橙色線 Orange wire	
4	3.33	48 (4)	25.8	橙色線 Orange wire	90 (5)	28.6	橙色線 Orange wire	
6	5	48 (4)	19.9	藍色線 Blue wire	14 (3)	16.8	黃色線 Yellow wire	
10	8.33	48 (4)	16.2	藍色線 Blue wire	14 (3)	14	綠色線 Green wire	
15	12.5	48 (4)	14.3	橙色線 Orange wire	14 (3)	12.9	黃色線 Yellow wire	
20	16.6	48 (4)	12.3	橙色線 Orange wire	14 (3)	11.9	黃色線 Yellow wire	
30	25	48 (4)	10.4	橙色線 Orange wire	14 (4)	10.6	黃色線 Yellow wire	
60	50	48 (4)	9.2	橙色線 Orange wire	14 (3)	7.3	黃色線 Yellow wire	
100	83.3	42 (5)	6.5	棕色線 Brown wire	90 (5)	6.9	藍色線 Blue wire	
150	125	42 (5)	3.5	棕色線 Brown wire	90 (5)	4.4	藍色線 Blue wire	
200	166	42 (5)	2.8	棕色線 Brown wire	90 (5)	3.2	藍色線 Blue wire	

1. 110V~220V 電源識別線為黑色，24V 電源識別線為白色。

2. 負載力量為制動扭力的1/3。

3. 110V~220V 電容為0.43~0.15uf。

4. 24V 電容4.7~6.8uf。

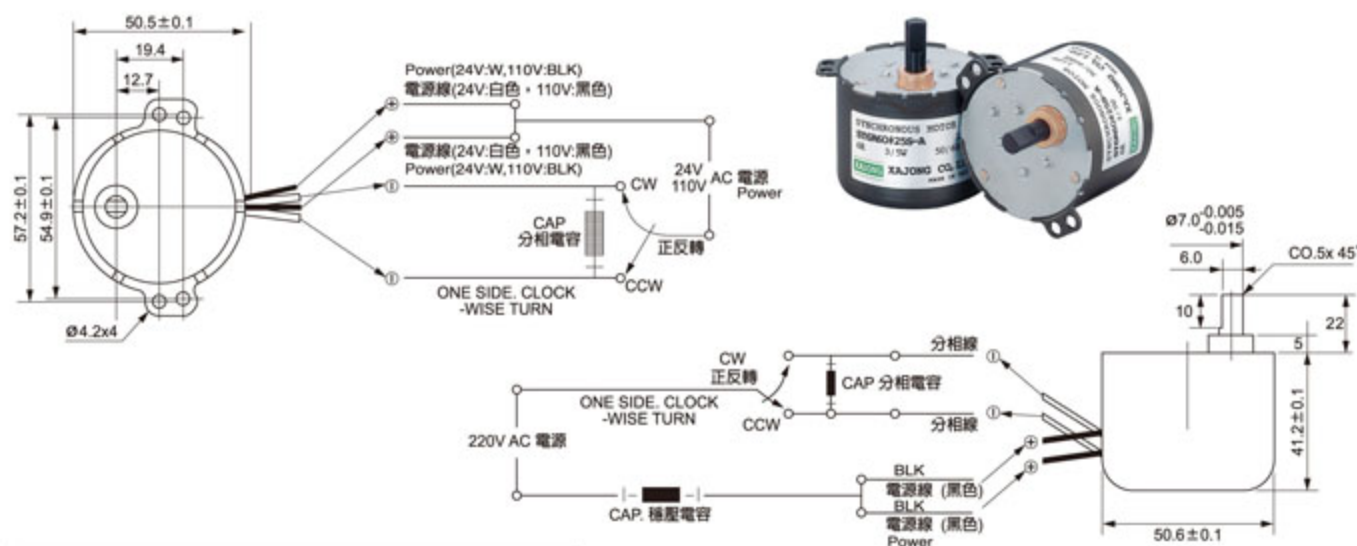
1. 110V~220V Black power cord, 24V White power cord.

2. The load of motor equal to the 1/3 of braking torque.

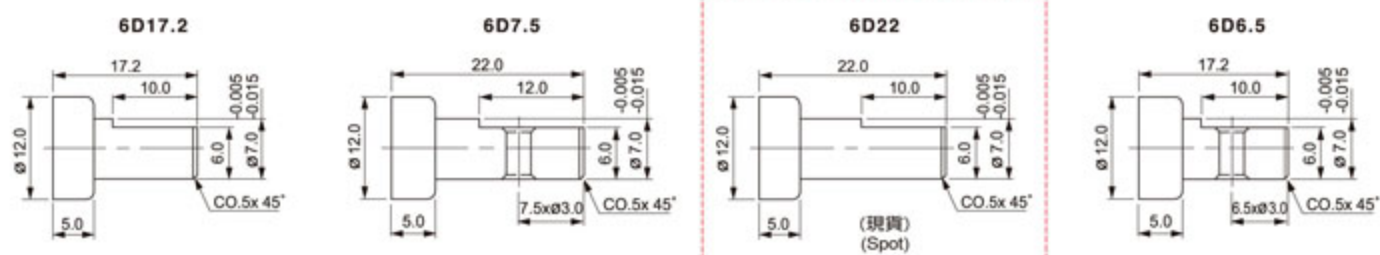
3. 110V~220V capacitor 0.43~0.51uf.

4. 24V capacitor 4.7~6.8uf.

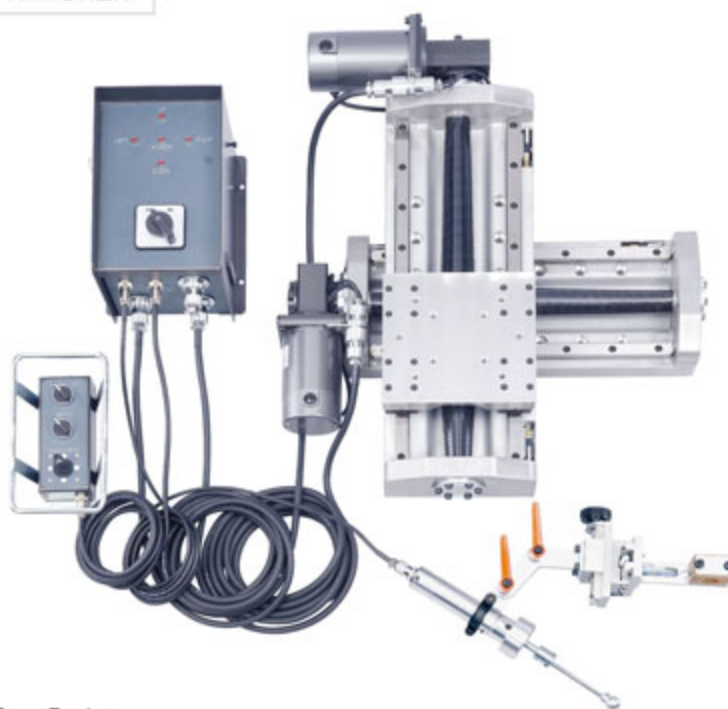
外觀尺寸 (mm) Surface Dimension (mm)



出力軸形式圖 Output Shaft Diagram



焊縫追蹤器 SEAM TRACKER



• 焊縫追蹤器索引 Index of Seam Tracker

型號 Model		規格 Specification		附件 Accessories Option
XY滑塊 XY TABLE	T200	Range: 200 mm W: 18.5Kg	1..90Vdc 120W 3200rpm	
	T300	Range: 300 mm W: 21Kg	2..1/30 Speed: 380mm/Min Load: 160Kg	
	T500	Range: 500 mm W: 26.5Kg	1/40 Speed: 300mm/Min Load: 180Kg	
			1/50 Speed: 240mm/Min Load: 200Kg	
			1/60 Speed: 200mm/Min Load: 220Kg	
XY控制器 XY CONTROL	XY-C10.03	Input: 110Vac 50/60Hz 5Ax2 Output: Max 42Vdc W: 8.5Kg		XY 電線 Cable 4.5Mx2 遠端控制器 Remote Control x 1 遠端控制線 Remote Cable 3M x 1
跟蹤感測器 PROBE SENSOR	S.A-10.03	Mini XY Range: 50mm Load: 5Kg W: 2.8Kg		感測器線 Sensor Cable 3M x 1 調整架構 Adjust x 1Set 感測探頭 Sensor Tip (round) x 3 感測探針 Sensor Tip (hook) x 2

應用特性 Applied Property :

- 全自動組合：XY滑塊+XY控制器(XY-C10.03)+跟蹤器(S.A-10.03)
動作特性：上、下、左、右自動跟蹤微調。
- 半自動組合：XY滑塊+XY控制器(XY-C10.03)
動作特性：由視覺觀察，操作遠端控制器，作上、下、左、右移動。
- 手動組合：XY滑塊(由手輪取代電動機)
動作特性：由操作人員，藉由同軸手輪移動XY滑塊，作上、下、左、右移動。
- Automatic Combination: XY Table+ XY Control (XY-C10.03)+Probe sensor (S.A-10.03)
Moving Property: The product can be automatic track and tiny adjust to up、down、left、right.
- Semi-Automatic Combination: XY Table+ XY Control (XY-C10.03)
Moving Property: You can use remote control to move up、down、left、right by visual observation.
- Manual Combination: XY Table (We replaced gear motor with coaxial gear)
Moving Property: You can move XY Table to up、down、left、right by coaxial handwheel.

滑塊 TABLE



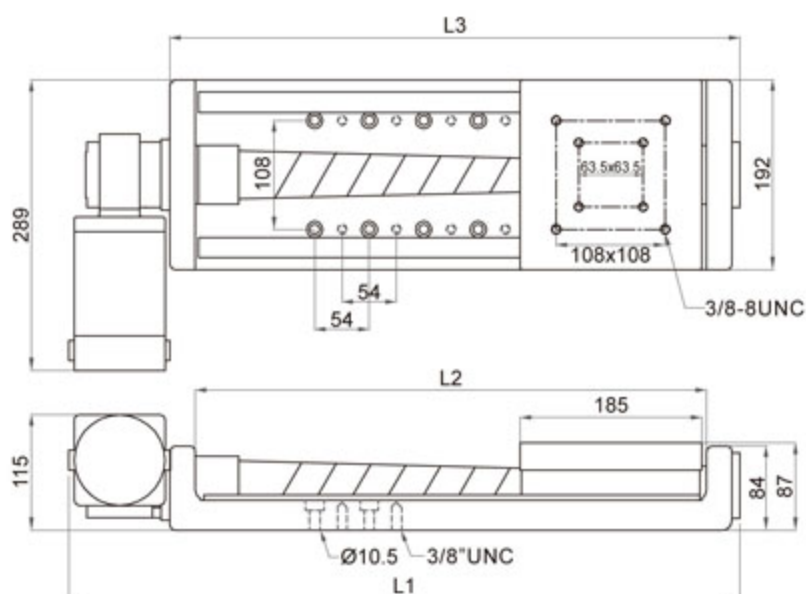
• 滑塊索引 Index of Table

型號 Model	Range Max/mm	Weight (kg)	規格 Specification		
			Ratio	Load Max/kg	Speed mm/Min
T200	200	18.5	1/30	140	10.0
T300	300	21	1/40	160	8.0
			1/50	180	6.2
T500	500	26.5	1/60	200	5.3

使用及功能 Usage and functions:

- 高剛性鋁合金，一體成形，簡潔、安全、牢固。
- 精密螺桿傳動，穩定順暢。
- 極限安全設計。
- 優良防塵防護。
- 可依速度、荷重、長度...等需求作選擇。
- The material is high rigidity aluminum alloy, one piece design for conciseness, security, firmness.
- Precision ball screw provides smooth and accurate movement.
- The operating range would be set up.
- Excellent of dust proofing to protect.
- You can choose the XY Table according to speed, load, length and so on.

型號 Model	L1	L2	L3
T200	565	407	465
T300	665	507	565
T500	865	717	775



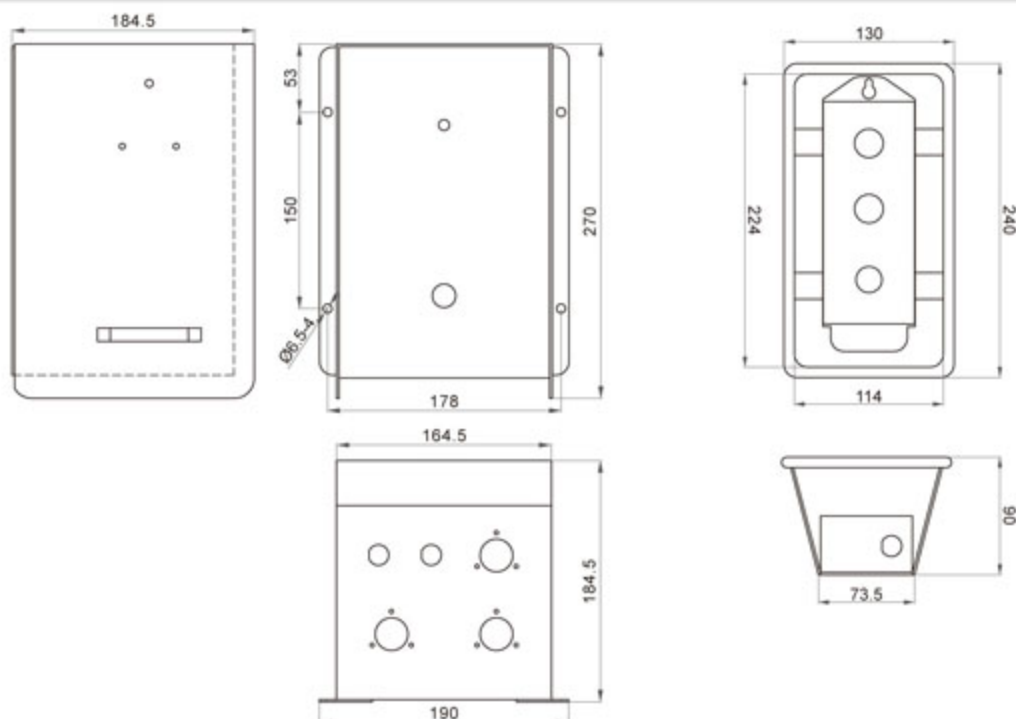
XY 控制器：XY-C10.03 XY CONTROL



使用及功能 Usage and functions:

- 110Vac / 42Vdc 5Ax2 W: 8.5Kg
- 可由跟蹤器自動追蹤，或手動遠端控制器，由操作桿操作。
- 優先次序：1. 極限開關
2. 遠端控制十字操作桿
3. 跟蹤器
4. 遠端控制器選擇開關。
- X軸可由遠端控制器選擇開關設定向左或向右歸位，亦可選擇由操作人員用十字操作桿控制。
- 經光敏電阻(CDS)感測直接回饋，信號確實，不因其他因素干擾。
- 應答速度快，移動速度依邏輯演算，自動改變移動速度。
- 附件：X.Y 電線 Cable 4.5M x 2
遠端控制器 Remote Control x 1
遠端控制線 Remote Cable 3M x 1

- 110Vac / 42Vdc 5Ax2 W: 8.5Kg
- The probe sensor can track automatically. Or you can use joystick by manual remote control.
- Preference order:
1. Limit switch.
2. Remote manual control.
3. Probe sensor.
4. Remote control choose switch.
- X-Axis can use remote control's choose switch set left or right homing, also you can use joystick to control.
- It can direct feedback message through CDS detection and the reaction signal is clear. There is no absolute interference by other factors.
- The speed of response is very fast. According to calculation logic, the speed of movement will change automatically.
- Accessory: X.Y Cable 4.5M x 2
Remote Control x 1
Remote Cable 3M x 1

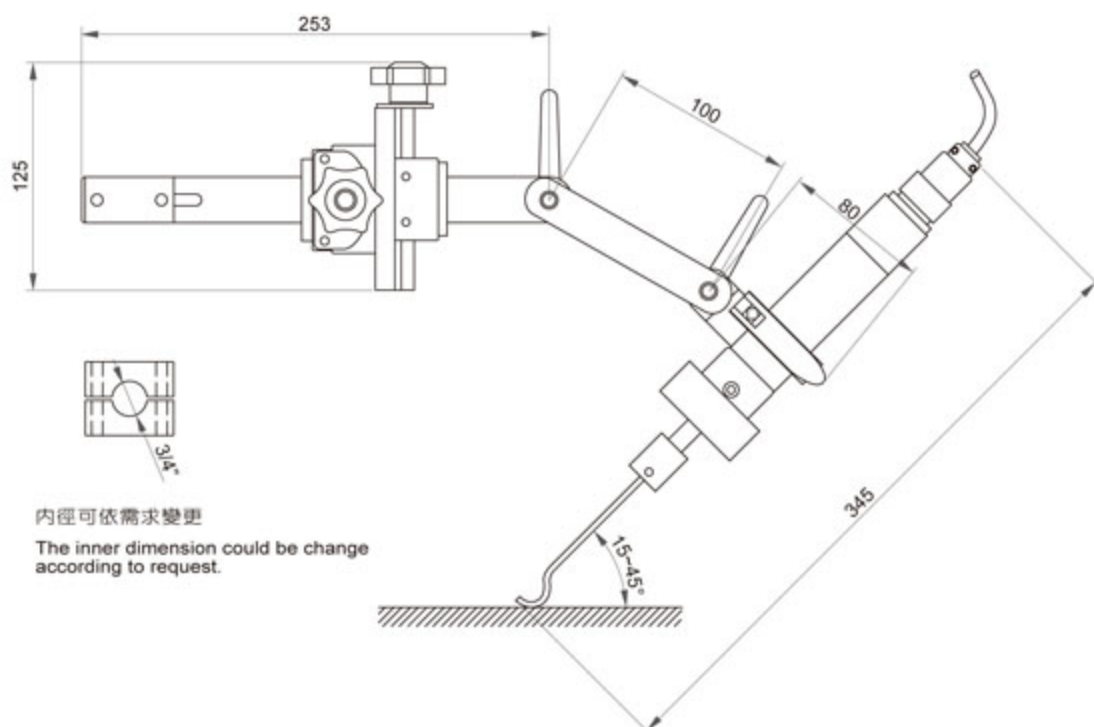


跟蹤感測器：S.A-10.03 PROBE SENSOR



使用及功能 Usage and functions:

- 自動跟蹤工件形狀，將光敏電阻(CDS)信號回饋控制器，指揮XY滑塊作上、下、左、右移動。
- 不需工具，即可多點結微調。
- Mini XY 行程：50mm，容許負荷：5kg。
- 附件：感測器線 Sensor Cable 3M x 1
調整架構 Adjust x 1Set
感測探頭 Sensor Tip (round) x 3
感測探針 Sensor Tip (hook) x 2
- It can track the external shape of hardware automatically, and reply the CDS signal to guide XY Table movement of up、down、left、right.
- It is able to various grade adjust without any tools.
- Mini XY traveling stroke: 50mm, Load limited: 5kg
- Accessory: Sensor Cable 3M x 1
Adjust x 1Set
Sensor Tip (round) x 3
Sensor Tip (hook) x 2



XAJONG

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