



# Variators



**EUR TRANSMISSION CORP.**

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# Foreward

NP Model variable speed variator is a brand new designed DISCO variable speed variator. The current production Serial No. of its aluminum alloy body is 003. 005. 010. 020. 030. 050. and the horse power is ranging from 1/4HP to 7.5HP, the horse power of cast-iron model is ranging from 7.5HP to 15HP (Cast-iron model are open PAM)

## Feature

- (1) Can supply any 6X range rpm output under 2000 rpm or any rpm within 0~2000rpm.
- (2) High-efficiency linear speed reducer that can get 125%~250% of motor torque capacity.
- (3) High strength aluminum alloy outer shell body featured with attractive appearance, light in weight, convenient in transportation, and greatly reduce the weight of the body.
- (4) The installation of the flange is inter-convertible with that of the foot stand, capable of reducing inventory and enabling rapid supply.
- (5) The lateral side of the input is air-tight to completely get rid of leakage disturbance and for convenient installation.
- (6) Connected with the motor, adopting IEC specifications. Both B5 flange and B14 flange can be used.
- (7) Adopting a magnetic oil exhaust screw to maintain internal cleanness and lengthen its life of service.
- (8) Highly efficient operation without noise and vibration.
- (9) Can be used for obverse and reverse operation, and the whole body of the device is anti-explosive without producing any danger.
- (10) Both the two sides of the handle can be used, to which a digital remote control device can also be installed for convenient remote control operation.

# 前言

NP 型無段變速機是一個全新改良設計的 DISCO 無段變速機，本體採高強度鋁合金重力鑄造；並經高溫熱處理，為目前唯一強度高於鑄鐵的無段變速機。目前鋁合金機體生產框號為 003,005,010,020,030,050 馬力從 1/4HP ~7.5HP，鑄鐵機型馬力從 7.5HP~15HP(鑄鐵機型為開放式馬達直結形)

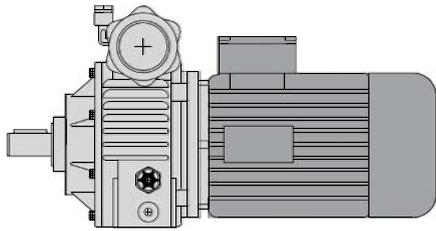
## 特點

- (1) 輸出轉速 2000rpm 以下任何 6 倍範圍或 0~2000rpm 以下任何轉速均可供應。
- (2) 能取得馬達 125% ~250% 扭力的高效率無段變速機。
- (3) 高強度鋁合金機體外殼、外形美觀、重量輕、搬運方便、減輕機台重量。
- (4) 法蘭安裝與腳座安裝，具互換性、減少庫存量，供貨迅速。
- (5) 入力側採密封式，杜絕漏油困擾，並且安裝方便。
- (6) 與馬達連結，採 IEC 規格，B5 法蘭與 B14 法蘭皆可使用。
- (7) 採用磁性排油螺絲，保持內部清潔延長使用壽命。
- (8) 高效率，運轉無噪音、不振動。
- (9) 可做正逆轉使用，且全機體防爆，不產生危險。
- (10) 把手兩邊皆可使用，並可加裝數字式遙控裝置，控速方便。

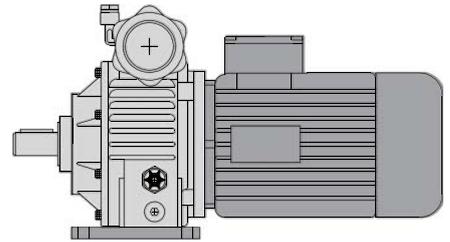


# Model 型式

## Variators 無段變速機

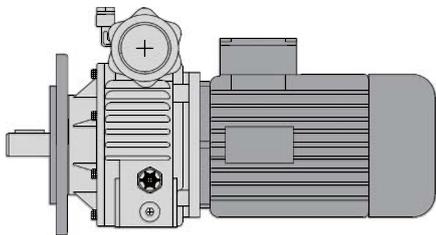


N : Standard 基本型

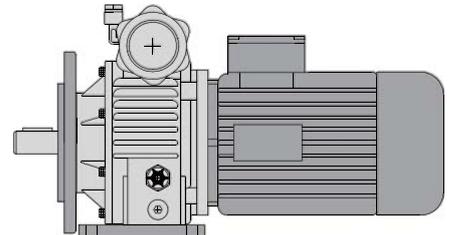


SM : with Feet 加裝腳座

Output speed 輸出轉速  
 50Hz 60Hz  
 167~1000rpm 200~1200rpm  
 D Type  
 0~1000rpm 0~1200rpm

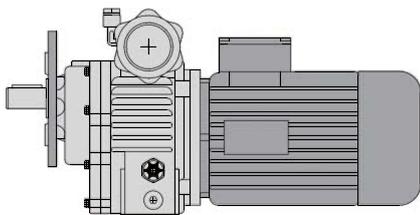


SF : with Flange 加裝法蘭



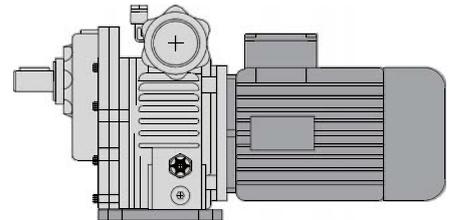
SMF : with Feet & Flange  
 加裝腳座及法蘭

## Variators with R1 Gear units 無段變速機附一段形減速機



SRF : with Flange 加裝法蘭

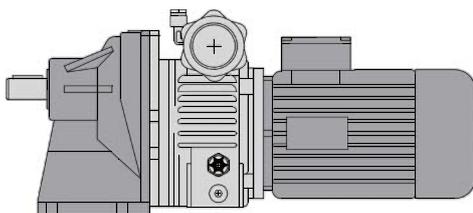
Output speed 輸出轉速  
 50Hz 60Hz  
 110~660rpm 133~800rpm  
 83~500rpm 100~600rpm  
 67~400rpm 80~480rpm  
 53~317rpm 63~380rpm  
 33~200rpm 40~240rpm  
 27~158rpm 32~190rpm  
 22~135rpm 27~160rpm



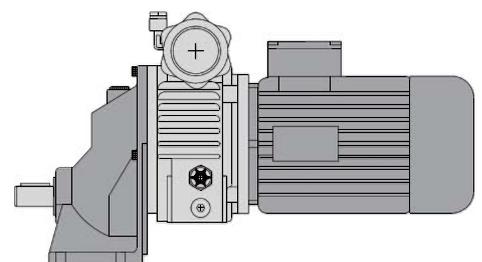
SRM : with Feet 加裝腳座

D Type

0~660rpm 0~800rpm  
 0~500rpm 0~600rpm  
 0~400rpm 0~480rpm  
 0~317rpm 0~380rpm  
 0~200rpm 0~240rpm  
 0~158rpm 0~190rpm



SRT : Feet Mount 腳座型

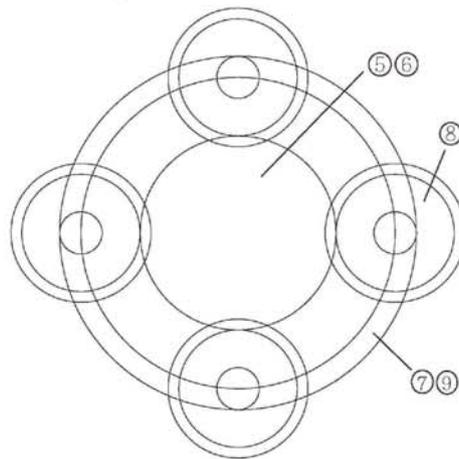


SRL : Feet Mount 腳座型

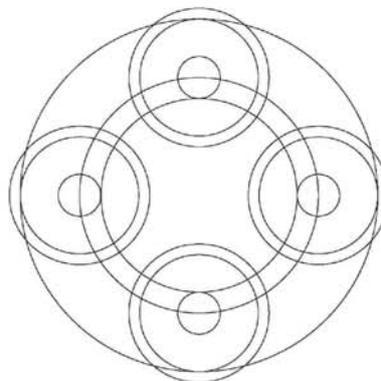
# Speed-change theorem

When motor drives the Fixed sun race (5) (6) to spin, use handle to adjust the cam (9.15) gap as to control the Planet disk (8) moving inward or outward in order to change the radii of contact. The Planet disk (8) turn one circle as output one turn; when the Planet disk (8) moves outward, the contacting track between the Planet disk (8) and Fixed sun race (5) (6) becomes wider; i.e., the turning speed of Planet disk (8) slows down. When the Planet disk (8) moves outward, the co-turning track of Planet disk (8), Fixed annulus race (7) and Adjustable annulus race (9) also becomes slower, as shown in the above figure; otherwise the output rpm becomes faster as shown in the below figure:

**At the Min Speed**  
出力軸最低轉數時

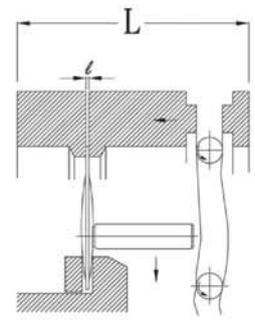
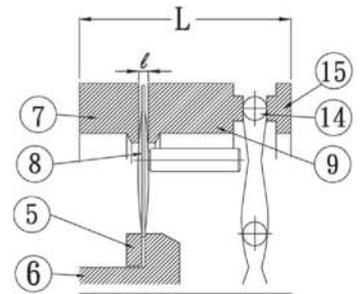


**At the Max. Speed**  
出力軸最高轉數時



# 變速原理

當馬達帶動太陽輪 (5) (6) 旋轉時，由把手來調整凸輪 (9.15) 的間隙以控制遊星片 (8) 往外或往內移動而改變接觸的半徑距離。遊星片 (8) 公轉一圈即輸出一轉，當遊星片 (8) 往外時，遊星片 (8) 與太陽輪 (5) (6) 接觸的軌道變大，即遊星片 (8) 自轉變慢，且遊星片 (8) 往外時，遊星片 (8) 與外環 (7) 調速凸輪 (9) 間的公轉軌道也變慢，如上圖，反之則輸出轉速變快，如下圖



- ⑤⑥ Fixed sun race
- ⑧ Planet disk
- ⑭ Ball ring

- ⑦ Fixed annulus race
- ⑨ Adjustable annulus race
- ⑮ Can ring

- ⑤⑥ 太陽輪
- ⑧ 遊星片
- ⑭ 鋼珠環

- ⑦ 外環
- ⑨ 調速凸輪
- ⑮ 固定凸輪

# Select

Select the conditions required for the speed VARIATOR:

- 一、Set up the rpm range of machine.
- 二、Calculate required transmission torque: the safety factor must be counted; refer to the torque curve.
- 三、Follow the required torque level to query the required motor capacity (kW) and model coding No. from the model character selection table.

## How to select

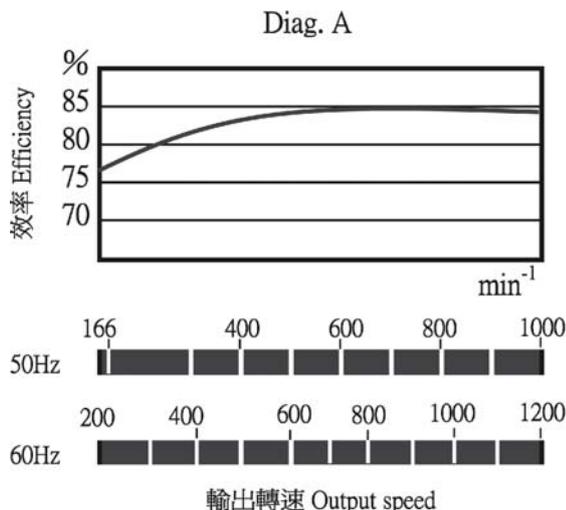
- 一、First, set up the rpm range applied. The rpm range of speed VARIATOR can be categorized into the 6X range below 1000rpm (2P:2000rpm) and the entire range within 0~1000rpm (2P:2000rpm) (equipped with D-type differential; lower rpm upper limit can get higher torque; thus, when selecting the torque range, use the rpm upper limit to query the model character selection table and get higher torque output.

例一： 轉速設定範圍：200~400rpm 0.75kw-4P 有下列選擇

TYPE： SM010	1000~166rpm	6~12Nm
SRM010/1/2.04	490.2~81.4rpm	12~24Nm
SRM010/1/2.44	409.8~68.0rpm	14.3~28.7Nm

例二： 轉速設定範圍：0~300rpm 0.75kw-4P 有下列選擇

TYPE： SMD010	1000~0rpm	6~12Nm
SRMD010/1/3.16	316.5~0rpm	18.96~37.92Nm



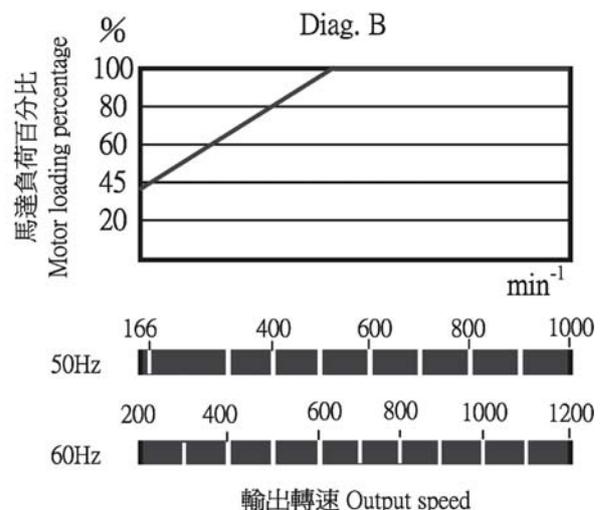
# 選定

選定變速機所需要的條件：

- 一、設定機械使用的轉速範圍
- 二、計算機械需要的傳動扭力：必須把安全係數考慮進去，並且參考扭力曲線圖
- 三、依所需的傳動扭力值於機種特性選擇表中查閱所需馬達容量 (kW) 與機種代號

## 選定方式

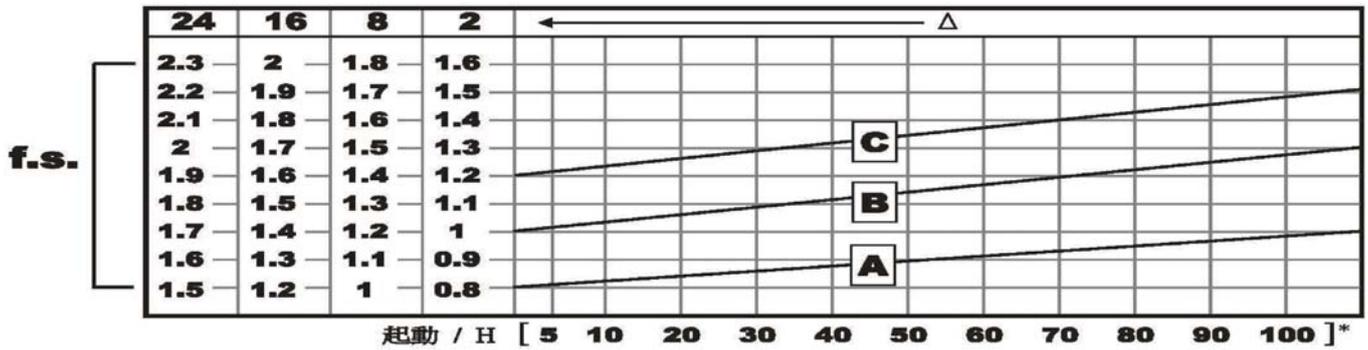
- 一、機種選定首先必須設定機械使用的轉速範圍。變速機轉速範圍分為 1000rpm(2P:2000rpm)以下六倍範圍及 0~1000rpm(2P:2000rpm)以下無限範圍(附 D 型差速器)而轉速上限越低則越能得到更高的轉矩，所以當您以轉速查閱扭力範圍時，請以轉速上限查閱機種特性選擇表以得到較高的輸出扭力。



The torque output means the maximum available rated torque while the motor is directly connected to the speed reducer; do not have the output exceed the rated torque-output during operation

輸出轉矩係指變速機直結馬達時，所能輸出的最大額定轉矩，使用時請勿超過額定轉矩。

# Service factor 使用係數



## Service factor

To correctly and sufficiently select a safety factor it needs to consider the following conditions:

- 1) Machine loading type: A, B or C
- 2) Mean operating hours per day: hour/day
- 3) Startup frequency: times per hour: times/hour

Loading type A: uniform load, continuous operation, no reverse turn, small moment-of-inertia.

Load type B: light shock, intermediate run, with reverse run, medium moment-of-inertia.

Load type C: large shock, intermediate run, with reverse run, big moment-of-inertia.

The maximum allowable startup frequency depends on the load type and motor temperature; if the startup frequency is too high, it might cause speed-reducer's wear, or the bad heat-dissipation of motor and high operating temperature would cause motor burnt.

Suggest that for frequent startup operating condition, user can equip the braking clutch at the output side of speed reducer; the startup frequency can be up to 90 times per minute.

For the work environment with high startup frequency, contact our technical service dept for help.

## 使用係數

正確的選擇足夠的使用安全係數需要考慮的狀況包括：

- 1) 機器運轉的負載類型：A、B、C
- 2) 一天平均運轉的時間：小時／天
- 3) 啓動頻率：每小時多少次：次／小時

負載類型 A：均勻的負荷、連續運轉、無正逆轉、慣性小

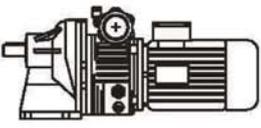
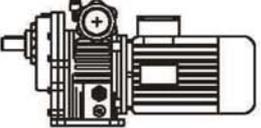
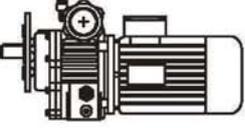
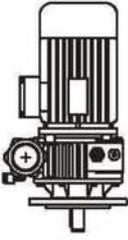
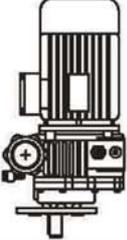
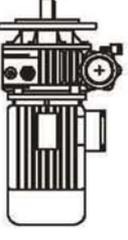
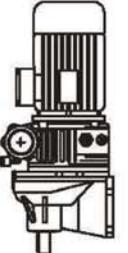
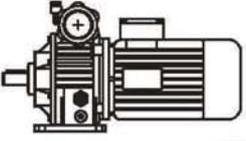
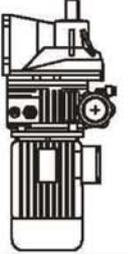
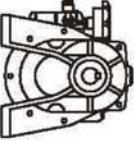
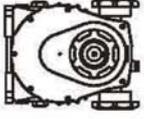
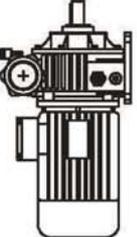
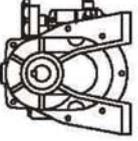
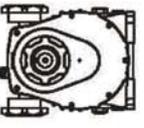
負載類型 B：輕微的衝擊、間歇運轉、有正逆轉、慣性中

負載類型 C：衝擊大、間歇運轉、有正逆轉、慣性大

最大容許啓動次數取決於負載類型與馬達的溫度，啓動頻率太高，可能對變速機造成磨損，或因馬達散熱不良及高溫而造成馬達燒毀。建議在啓動頻繁的使用場所，可以在變速機輸出側加裝剎車離合器，最高每分鐘可以達到 90 次的啓動。

在啓動頻繁的工作場所請與我們的技術服務部門聯系。

# Mounting Positions 安裝位置

SF/SM	SRT/SRL	SRM	SRF
 <p>B5</p>	 <p>B3</p>	 <p>B3</p>	 <p>B5</p>
 <p>V1</p>	 <p>B8</p>	 <p>B8</p>	 <p>V1</p>
 <p>V3</p>	 <p>V5</p>	 <p>V5</p>	 <p>V3</p>
 <p>B3</p>	 <p>V6</p>	 <p>V6</p>	 <p>MOTOR 3 馬達</p>
 <p>B8</p>	 <p>B6S</p>	 <p>B6</p>	
 <p>V3</p>	 <p>B7S</p>	 <p>B7</p>	

# SPEED INDICATOR

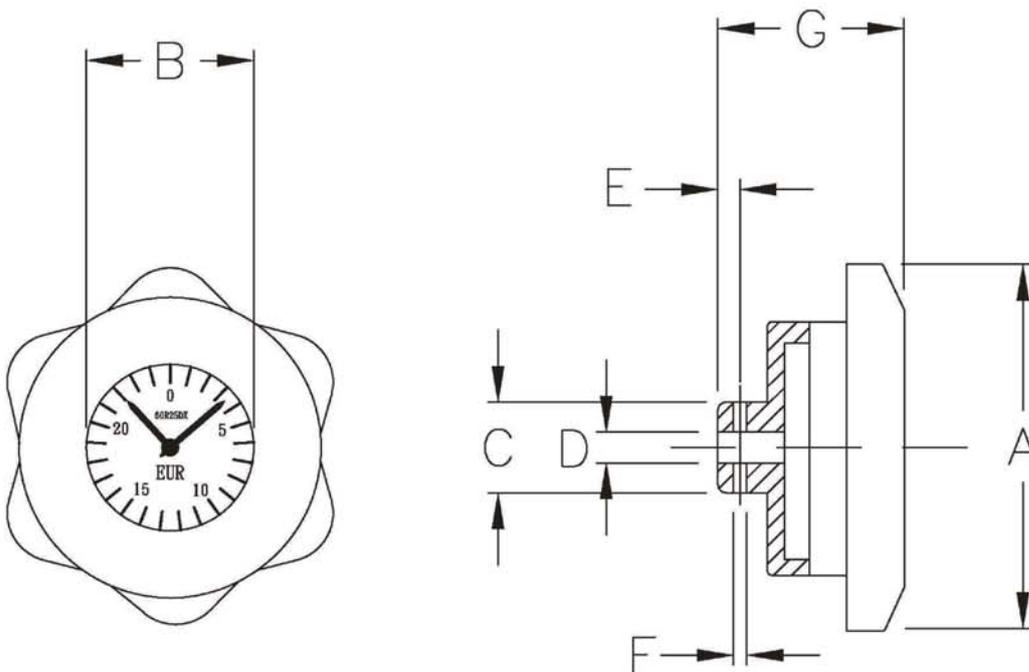
# 速度指針表

Eur variators can be supplied with gravitational of speed indicator, The gravitational speed indicator is installed on the variator control hand wheel. Set the variator to minimum speed, disassemble the indicator from the hand wheel and set the two indices to zero and reassemble. (12 o'clock positions)

Eur 無段變速機可以供應重力式速度指針表，重力式速度指針表是安裝在變速機控制手輪上。設置時將變速機轉到最低轉速，從手輪拆卸指針表並且調整二個指針到零後重新組合(12 點位置)。

## DIMENSIONS OF GRAVITATIONAL SPEED INDICATOR

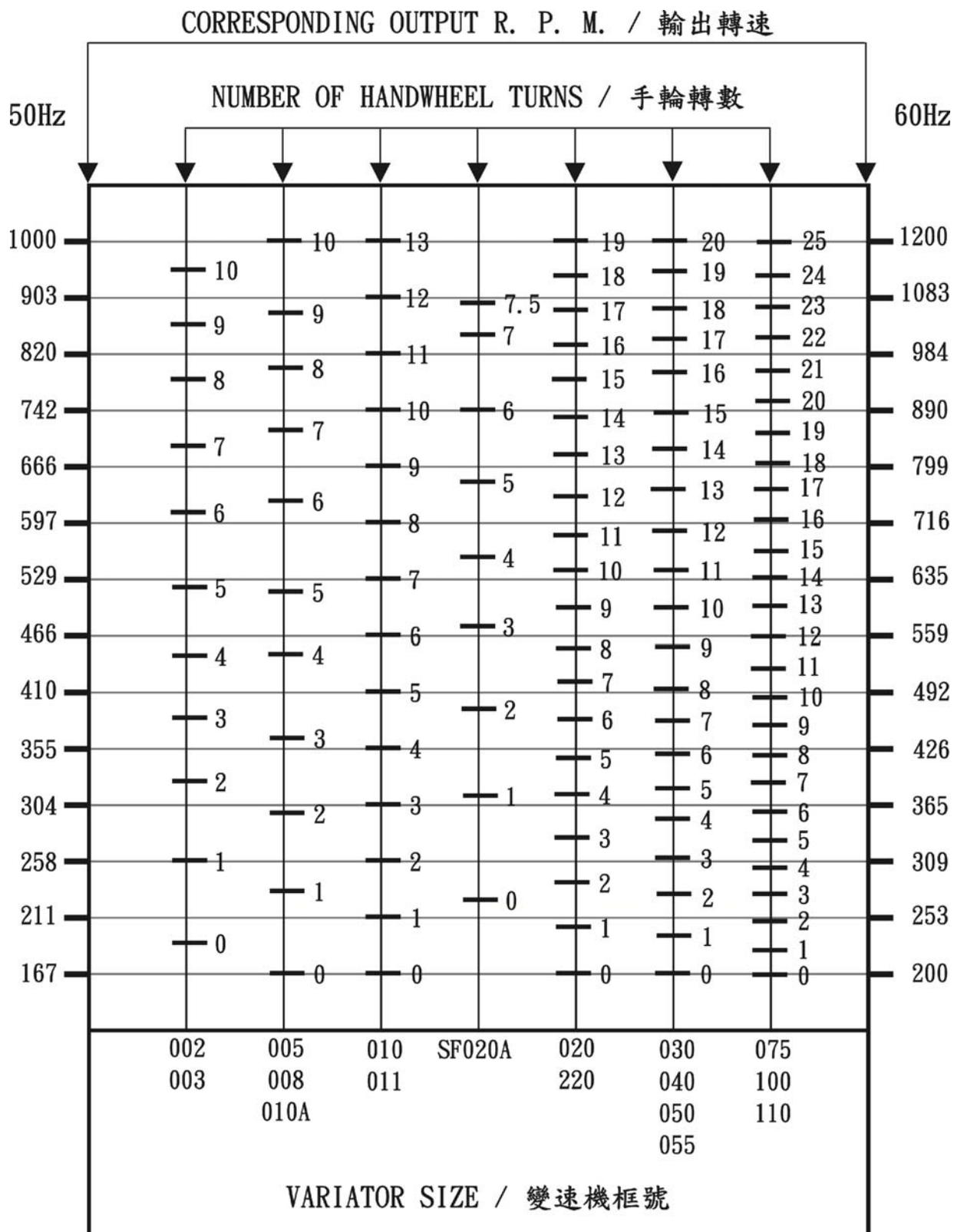
### 重力式速度指針表



VARIATOR SIZE	A	B	C	D	E	F	G
002, 003, 005, 008, 010A	90	57	22	8	6	3	47
010, 011, 020A, 020, 022	90	57	22	10	6	4	47
030, 040, 050, 055, 075, 100, 110	120	57	30	12	6	5	50

# HAND WHEEL TURNS WITH CORRESPONDING OUTPUT RPM

## 手輪轉數與輸出轉速對照表



# Remote Controller

Devices Including a single or 3 phase motor, torsional force turbine speed reducer and connecting device in coordination with the controller are capable of performing the following function;

- (1) Digital value indicating the actual rotating speed, gross speed, and frequency fluid without affecting its accuracy in working environments with dust and hair.
- (2) Capable of keeping memory and automatically locating the value set beforehand, and also with an auto rectification function when there are changes affected by external force.
- (3) A maximum limit switch or a mechanical process control can be additional attached.
- (4) Speed and linkage ratio can be fixed beforehand to function linkage operation.
- (5) One unit of speed reducer can be operated in many different spots or many units of speed reducer can be operated in one spot.

# 遙控裝置

包括單相或三相馬達、扭力限制渦輪減速機及連結裝置，配合控制器可作下列各項功能。

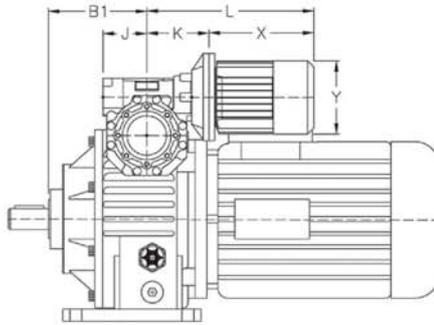
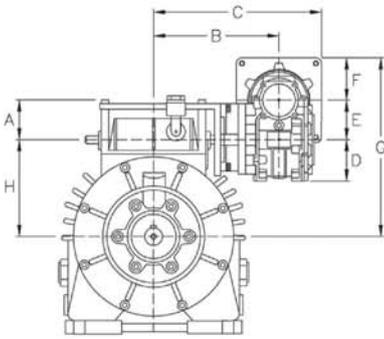
- (1) 顯示實際轉速、線速度、頻率或流量，在灰塵和毛絮多的工作環境亦不影響準確性。
- (2) 可記憶並且自動尋找所設定的值，當它受外力而產生變化時亦有自動補正功能。
- (3) 可附加極限開關或機械動作做程序控制。
- (4) 可做速度設定及並聯比例聯動運轉。
- (5) 可多處操作一台或一處操作多台變速機。

Control motor :

002~022 : 60W

030~055 : 90W

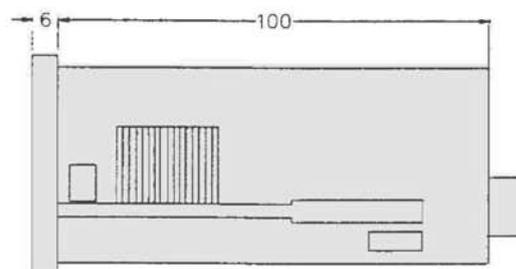
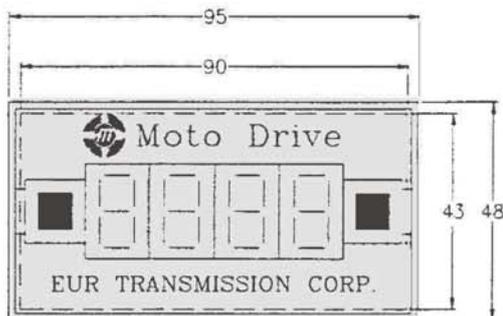
075~110 : 180W



TYPE	A	B	B1	C	D	E	F	G	J	K	Y	H	X	L
002、003	40	115	66	160	37.5	30	45	151	40	55	90	76	106	161
005、008、010A	40	115	80	160	37.5	30	45	163	40	55	90	88	106	161
010、011、020A	40	123	97	168	37.5	30	45	182	40	55	90	107	106	161
020、022	40	123	106	168	37.5	30	45	201	40	55	90	126	106	161
030、040、050、055	40	156	124	201	37.5	30	45	233	40	55	90	158	120	175
075、100、110	55	205	165	266	42	40	61	306	50	70	122	205	192	262

控制器：110/220V,50/60HZ ± 10 %-3-7VA  
Remote Controller:

控制器外形圖 Controller outer appearance drawing



# Lubrication

- \*\*\* The standard variators are supplied complete with lubricant for mounting positions B3-B5, Different mounting positions should be specified on the order.
- \*\*\* By means of the oil level plug check oil level when the variator is not working.
- \*\*\* If you need to change lubricant in variators, please refer to oil types recommended on the table.
- \*\*\* The variators first time of change oil is work 500 hours then every 1,500 hours for regularly change.
- \*\*\* Operation ambient temperature: -15°C ~+40°C.
- \*\*\* The R1 Gear Reducer, grease is permanent and so they need no servicing.

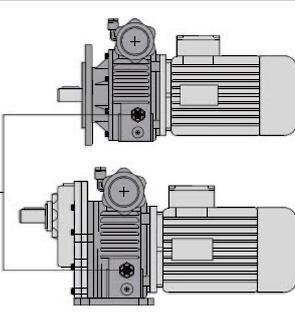
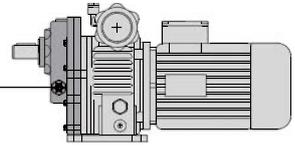
# 潤滑

- \*\*\*標準型無段變速機供應 B3-B5 安裝位置的潤滑油，其它不同的安裝位置，則依據訂單指定。
- \*\*\*通過油位鏡，當無段變速機不運轉時請檢查油量位置。
- \*\*\*如果您需要更換無段變速機的潤滑油，則請參考表中推薦使用的潤滑油。
- \*\*\*無段變速機第一次換油是工作 500 個小時，爾後每 1,500 個小時更換潤滑油。
- \*\*\*適用場所為-15°C ~+40°C。
- \*\*\*R1 減速機部份為永久性潤滑油脂，將不用更換。

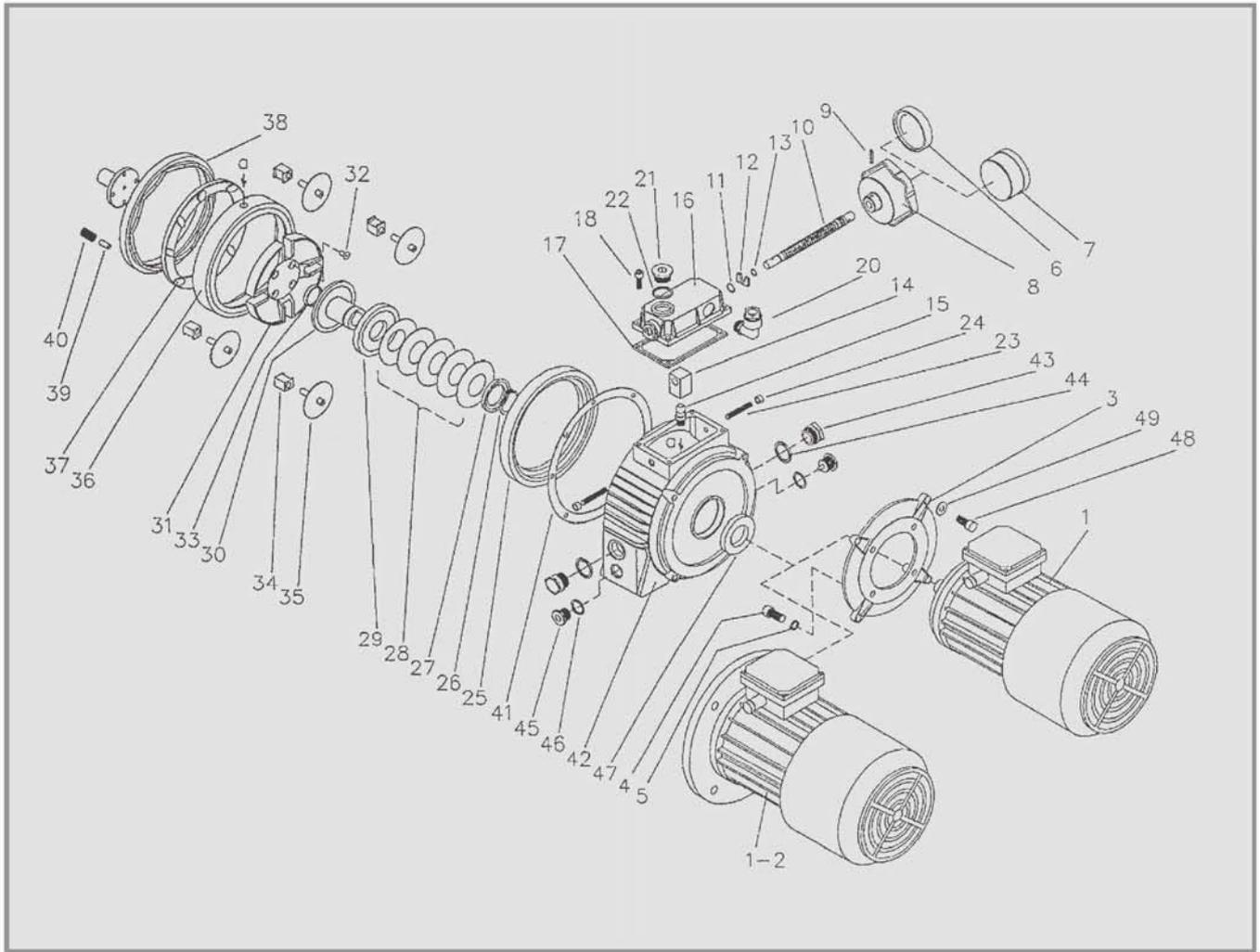
## 1. Quantity of oil in litre. 油量/公升

Size	Mounting Position	B3 – B5	V1 – V5	V3 – V6	B8
		B6 B7 B6S B7S			
002、003		0.13	0.27	0.25	0.13
005、008、010A		0.20	0.50	0.4	0.20
010、011、020A		0.38	1.07	0.5	0.38
020、022		0.72	1.80	0.85	0.72
030、040、050、055		1.35	2.88	2.00	1.35
075、100、110		2.25	3.90	3.70	2.25

## Recommended / 推薦潤滑油

Dexron fluid II	IP		Atina grease 0	IP	
A.T.F. Dexron fluid DIII	SHELL		Tivela Compound A	SHELL	
A.T.F. 200 RED	MOBIL				
A.T.F. Dexron	FINA				
BP Autran DX	BP				
A.T.F. Dexron	ESSO				
A.T.F. Dexron	CHEVRON				
A.T.F. Dexron	AGIP				

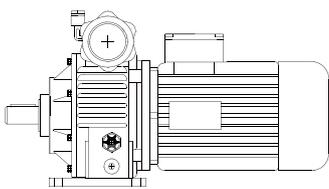
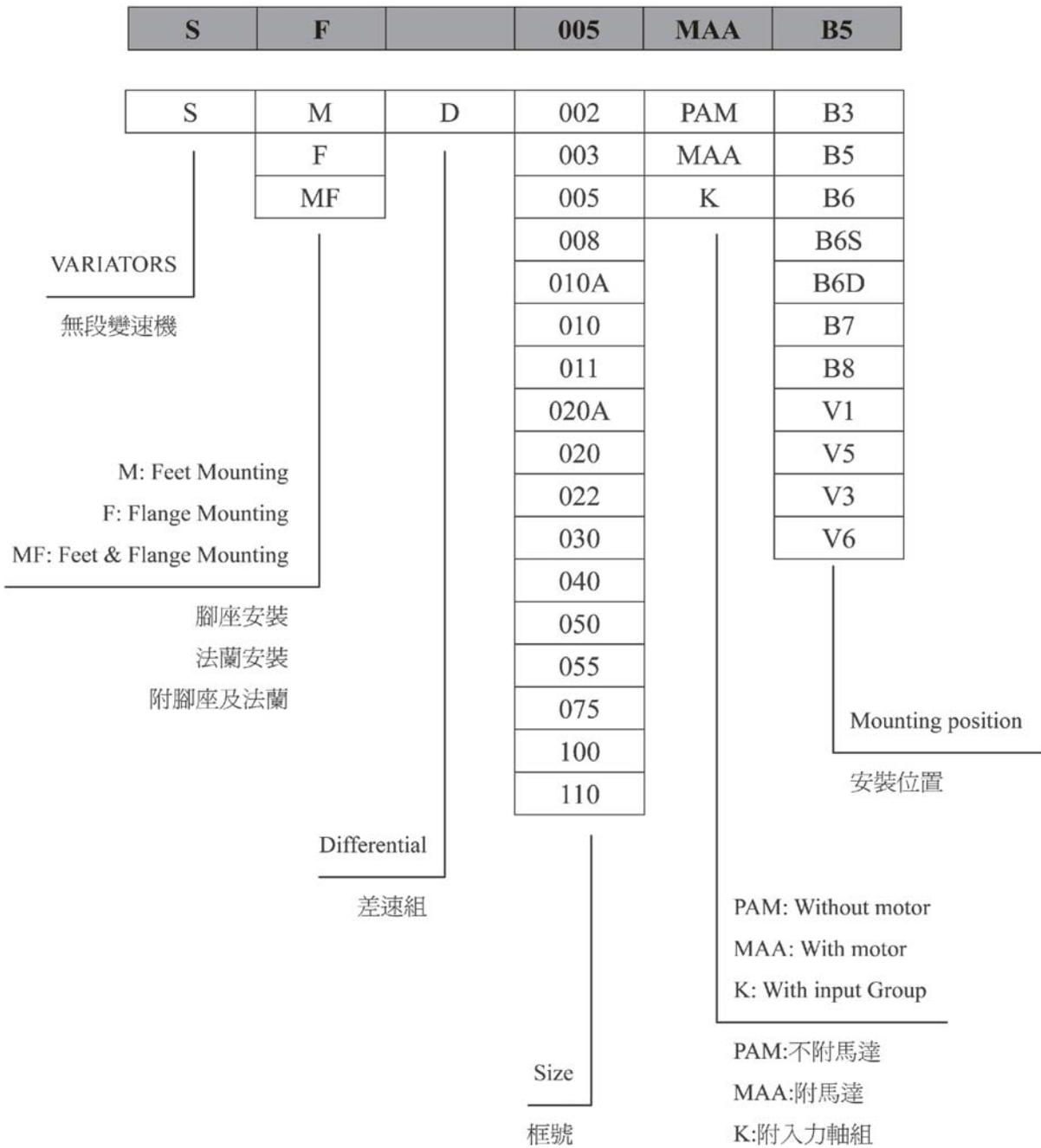
# Components List 零件代號



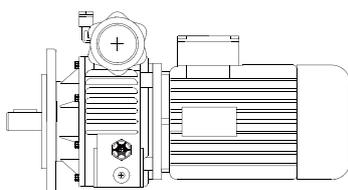
NO	品名 / DESCRIPTION	NO	品名 / DESCRIPTION
10	調速螺桿 Control screw	34	含油軸承 Disk friction bearing
14	調速卡鐵 Control block	35	遊星片 Planet disk
15	調速螺絲 Ball joint	36	調速凸輪 Adjustable annulus race
25	外環 Fixed annulus race	37	鋼珠環 Ball ring
27	止動環 Spring holder ring	38	固定凸輪 Can ring
28	調壓彈簧 Belleville spring	40	圈彈簧 Spring
29	入力薄片 Adjustable sun race	41	止油墊片 Output flange seal
30	太陽輪 Fixed sun race	42	外殼 Variator casing
31	輸出盤 Planet carrier	43	視油鏡 Oil level plug

# DESIGNATION 代號說明

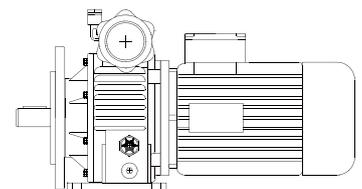
S : Standard Variators 標準型無段變速機



SM



SF

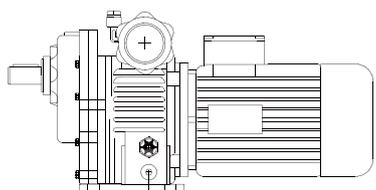
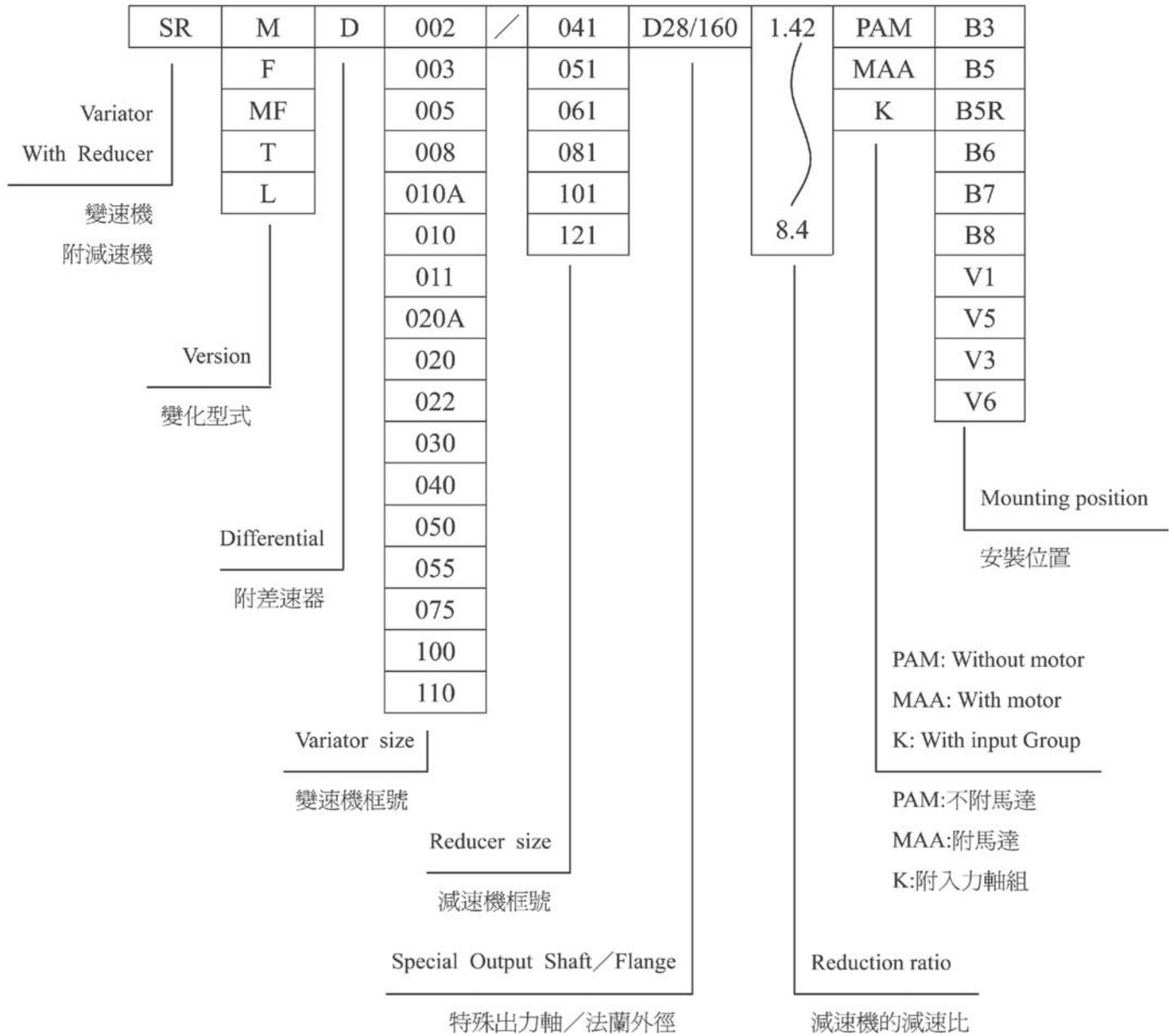


SMF

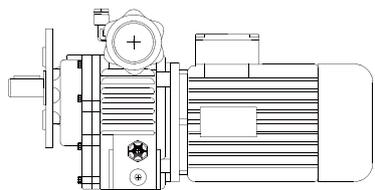
# DESIGNATION 代號說明

## SR : Variators With Gear Units 變速機附齒輪減速機

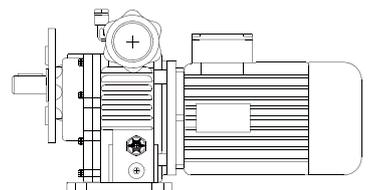
SR	T		010	/	061		3.69	PAM	B3
----	---	--	-----	---	-----	--	------	-----	----



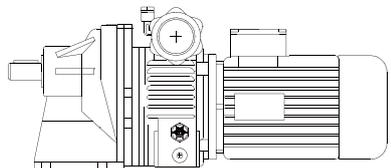
SRM



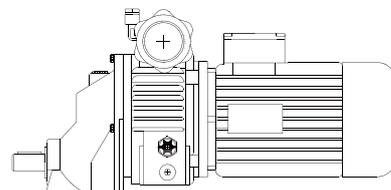
SRF



SRMF



SRT



SRL

# PERFORMANCE OF VARIATORS 變速機特性表 (50Hz)

## Standard Variator 基本型無段變速機

Type : SM、SF、SMF

P1 (kw)	SIZE	Motors (B5)	n2 rpm	n2 (D) rpm	M2 Nm
0.37-2P	S.003-2P	63C2	1900~380	1900~0	1.7~4
0.75-2P	S.005-2P	71C2	2000~333	2000~0	3~6
1.5-2P	SF010A-2P	80C2	2000~333	2000~0	6~6
1.5-2P	S.010-2P	80C2	2000~333	2000~0	6~12
2.2-2P	S.020A-2P	90L2	1800~450	1800~0	9.3~12
2.2-2P	S.020-2P	90L2	2000~333	2000~0	9~24
0.18-4P	S.002	63B4	950~190	950~0	1.5~4
0.25-4P	S.003	63C4	950~190	950~0	2~4
0.37-4P	S.005	71B4	1000~166	1000~0	3~6
0.55-4P	S.008	71C4	1000~166	1000~0	4.4~6
0.75-4P	SF010A	80B4	1000~166	1000~0	6~6
0.75-4P	S.010	80B4	1000~166	1000~0	6~12
1.1-4P	S.011	80C4	1000~166	1000~0	9.1~12
1.5-4P	S.020A	90L4	900~225	900~0	12~12
1.5-4P	S.020	90L4	1000~166	1000~0	12~24
2.2-4P	S.022	90LB4	1000~166	1000~0	18~24
2.2-4P	S.030	100LA4	1000~166	1000~0	18~48
4-4P	S.040	100LC4	1000~166	1000~0	32~48
4-4P	S.050	112M4	1000~166	1000~0	32~64
5.5-4P	S.055	112L4	1000~166	1000~0	44~64
5.5-4P	S.075	132SA4	1000~166	1000~0	44~88
7.5-4P	S.100	132MA4	1000~166	1000~0	60~120
11-4P	S.110	132MD4	1000~166	1000~0	72~144
0.18-6P	S.005-6P	71MA6	660~110	660~0	2.3~6
0.37-6P	SF010A-6P	80MA6	660~110	660~0	4.6~6
0.37-6P	S.010-6P	80MA6	660~110	660~0	4.6~12
0.75-6P	S.020A-6P	90S6	600~150	600~0	9~12
0.75-6P	S.020-6P	90S6	660~110	660~0	9~24
1.5-6P	S.030-6P	100LA6	660~110	660~0	18~48
2.2-6P	S.040-6P	112M6	660~110	660~0	27~48
2.2-6P	S.050-6P	112M6	660~110	660~0	27~64
4-6P	S.075-6P	132MA6	660~110	660~0	48~88
5.5-6P	S.075-6P	132MB6	660~110	660~0	66~88
5.5-6P	S.100-6P	132MB6	660~110	660~0	66~144

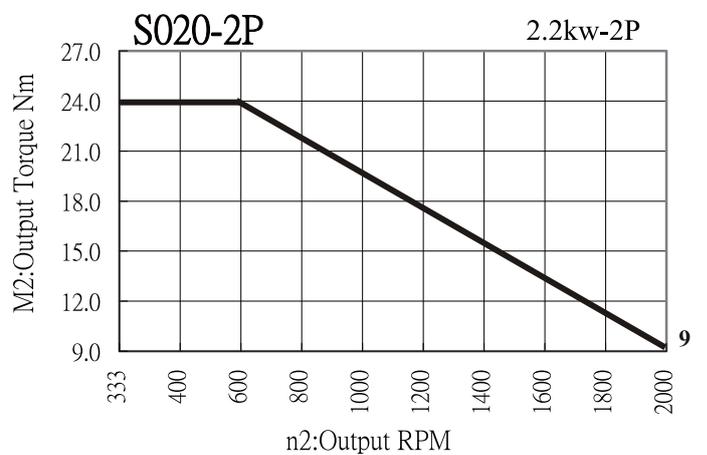
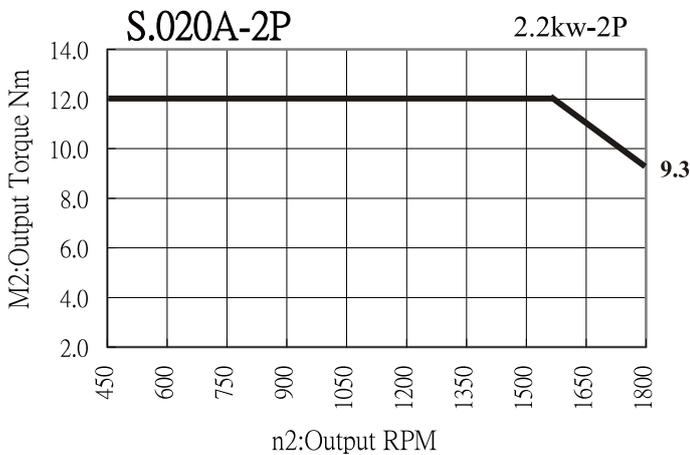
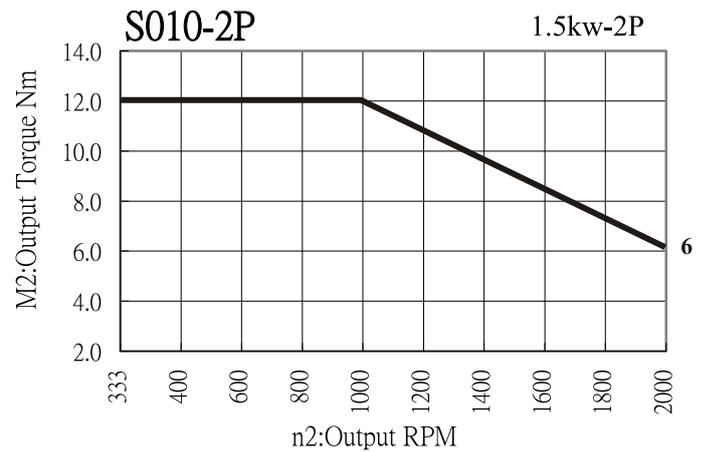
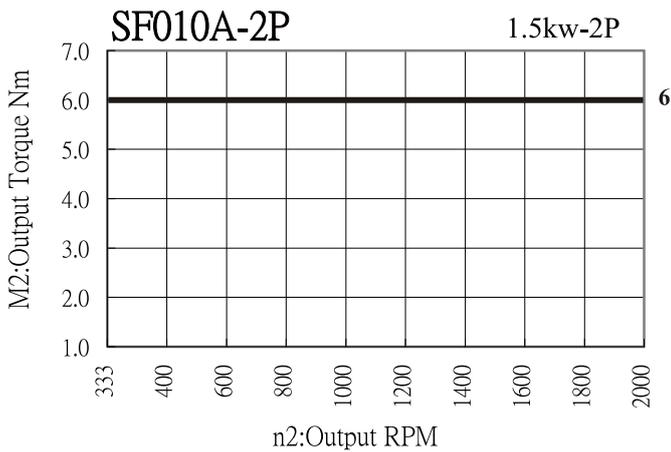
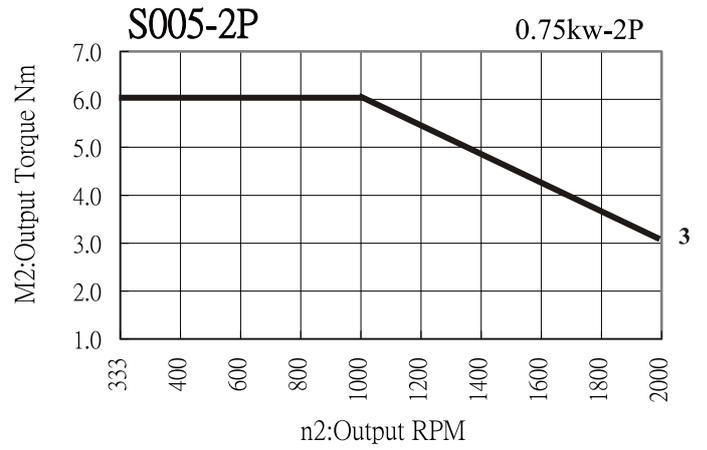
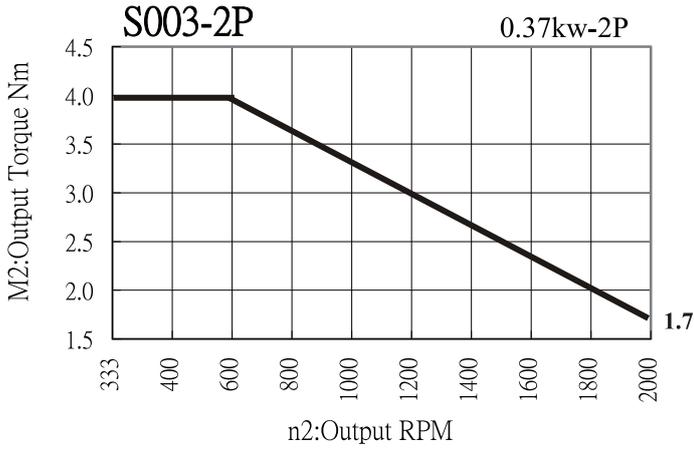
010A : type SF only.

M2 : means the maximum torque output of speed reducer; for low rpm status, motor can reach maximum torque output at non-full-load status.

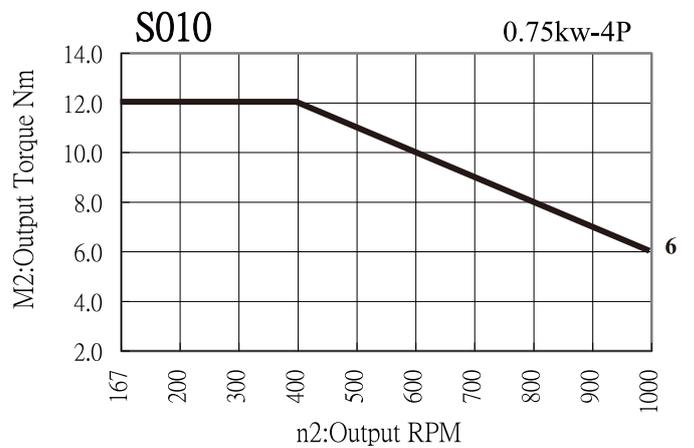
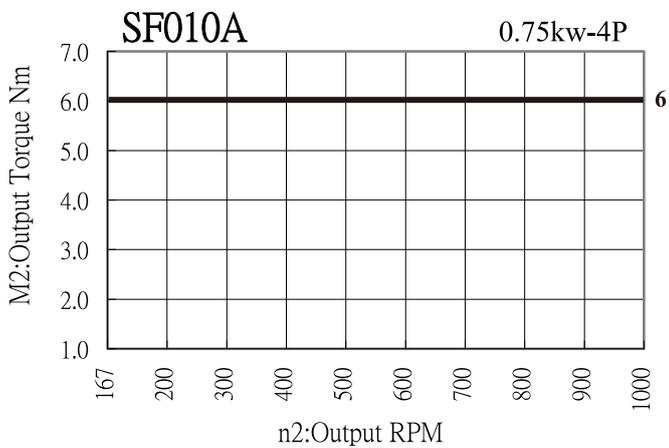
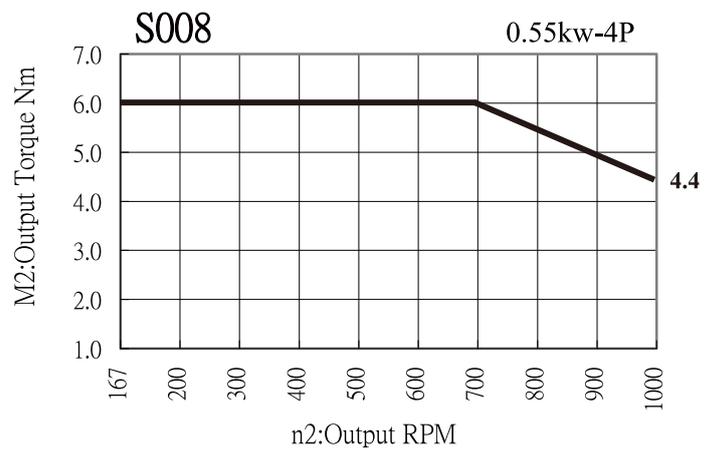
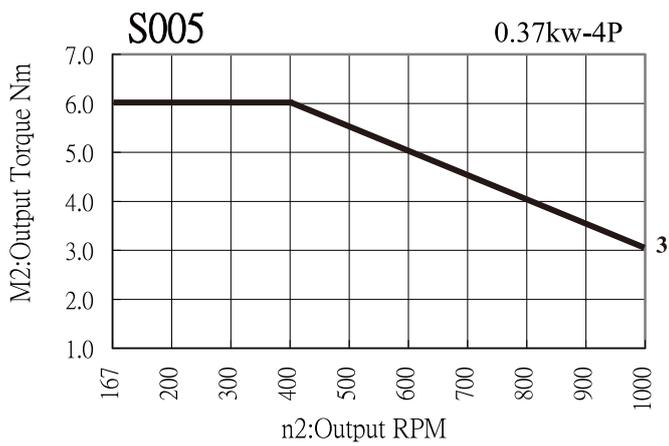
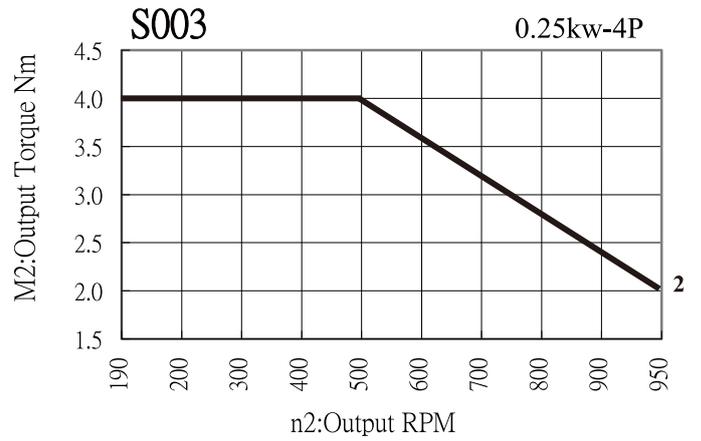
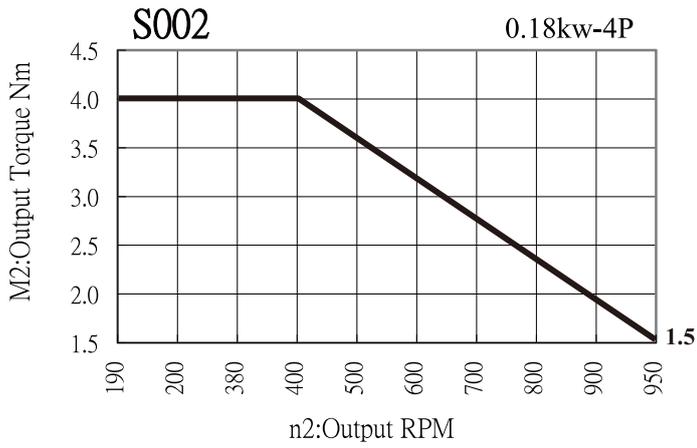
010A : 只供應 SF 型。

M2 : 為變速機的最大輸出轉矩，低轉速時，馬達在非滿載的情況下就能達到最大輸出轉矩。

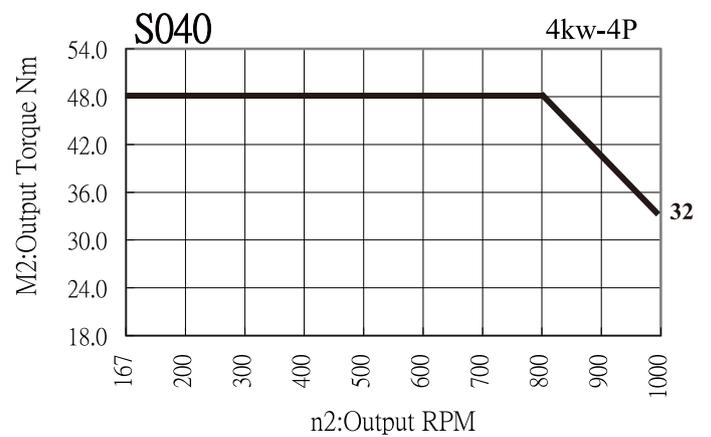
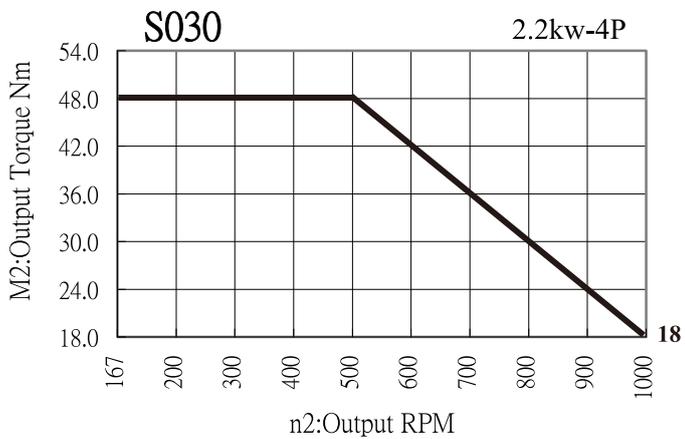
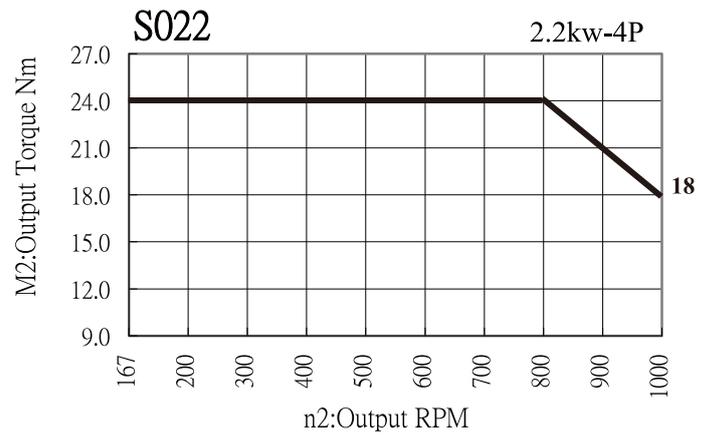
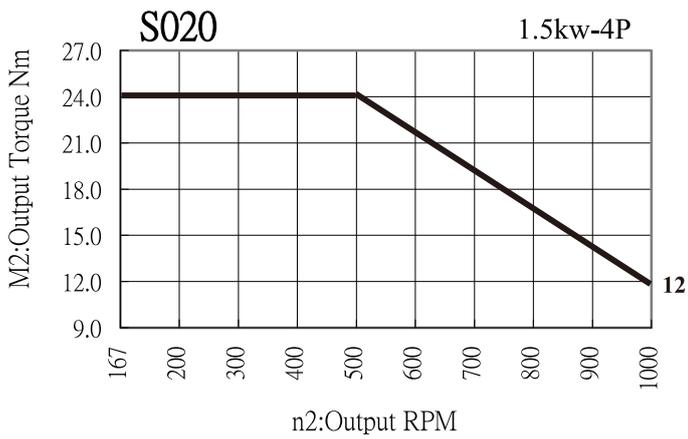
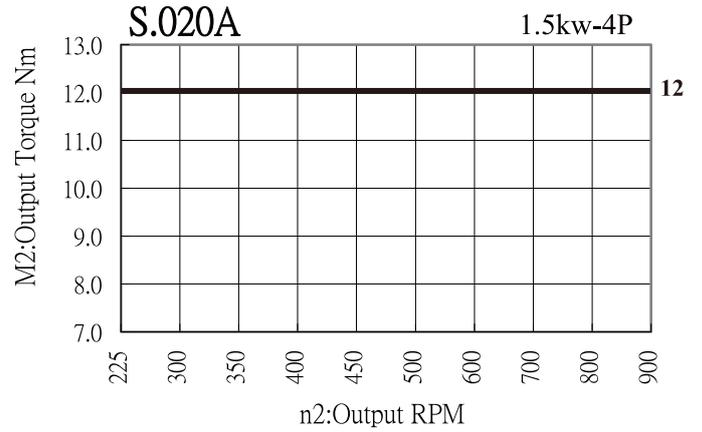
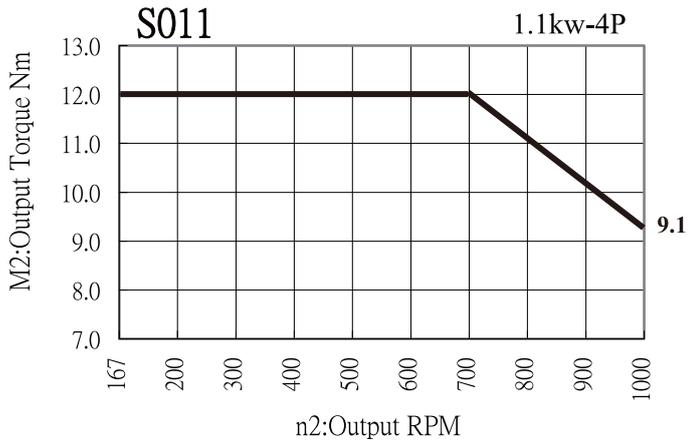
# Performance Curves - 2 Pole / 扭力曲線圖 - 2極



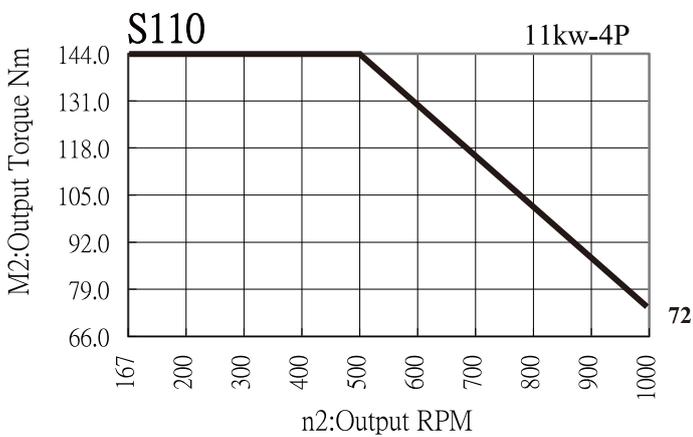
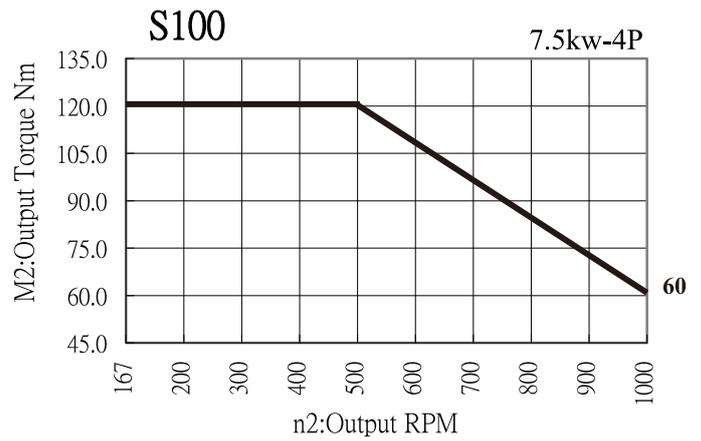
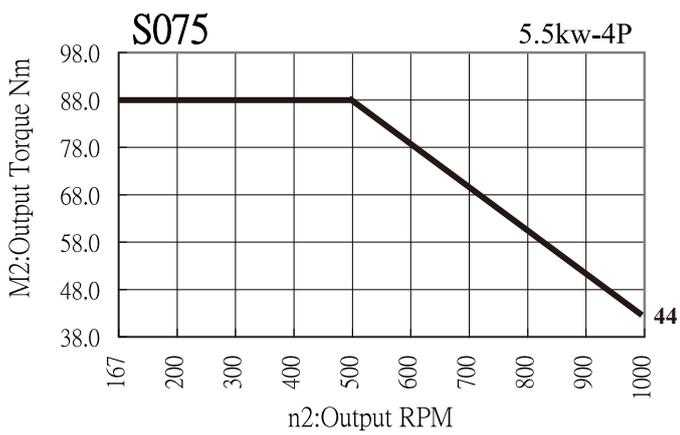
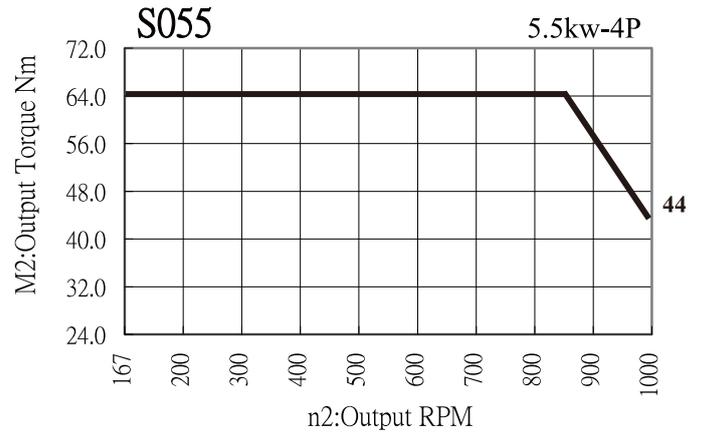
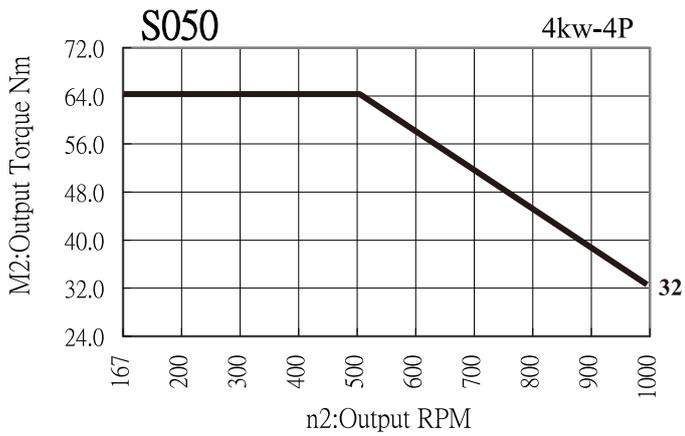
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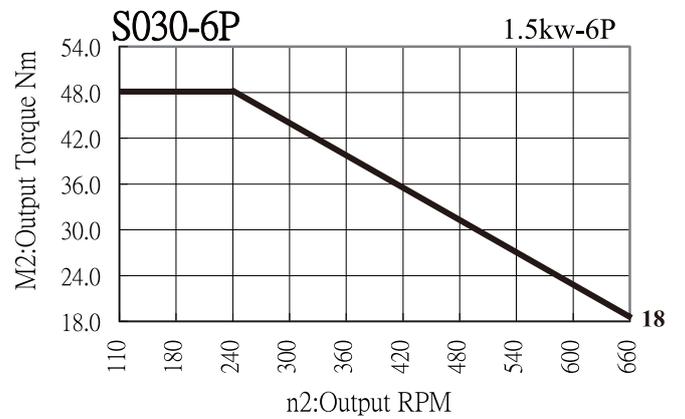
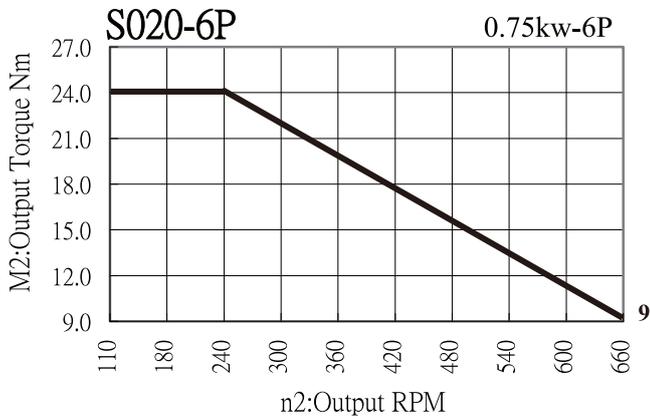
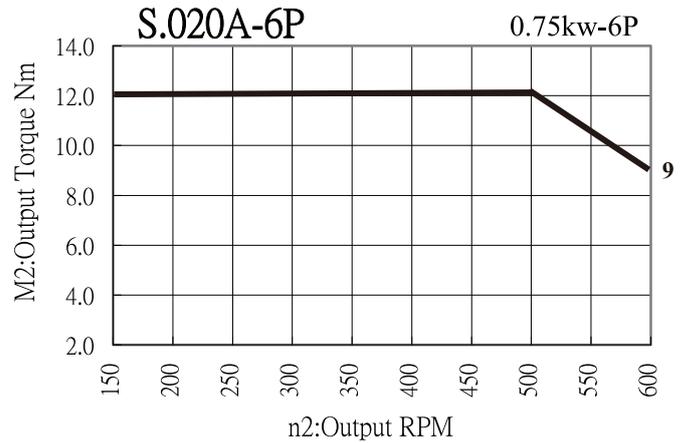
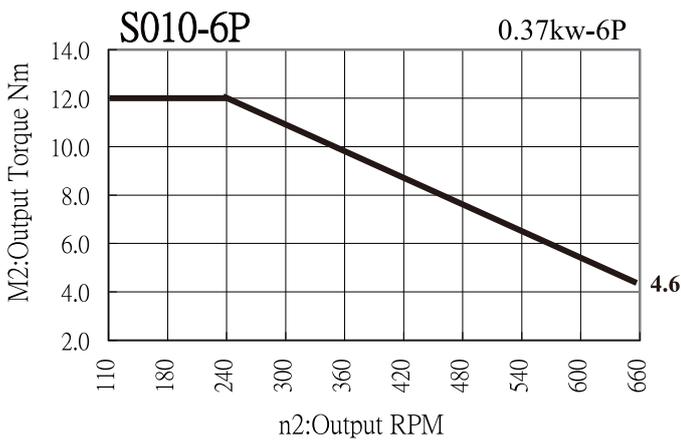
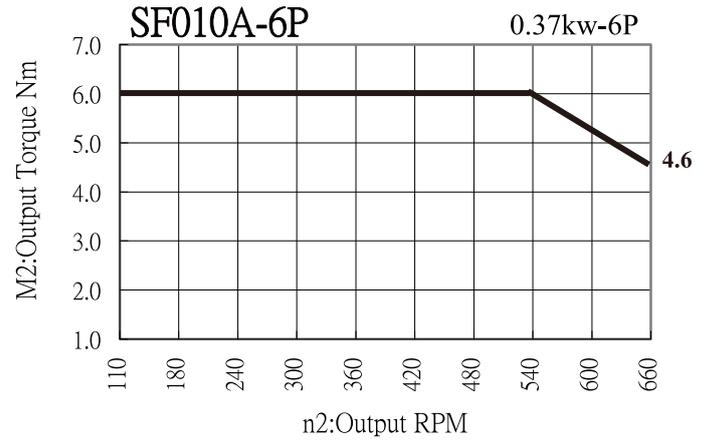
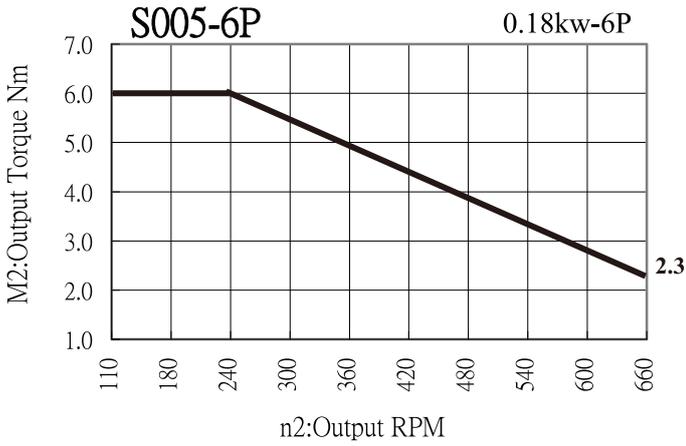
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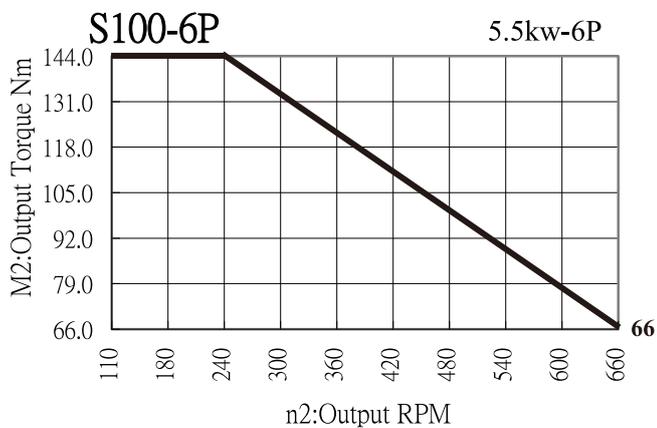
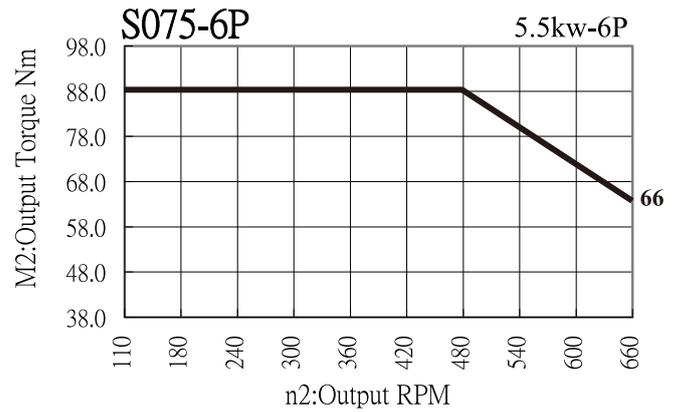
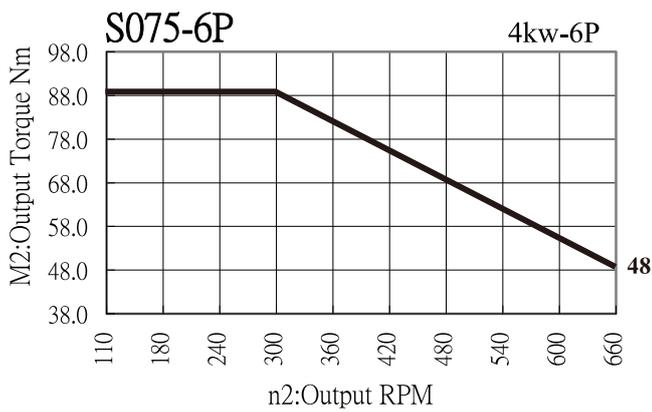
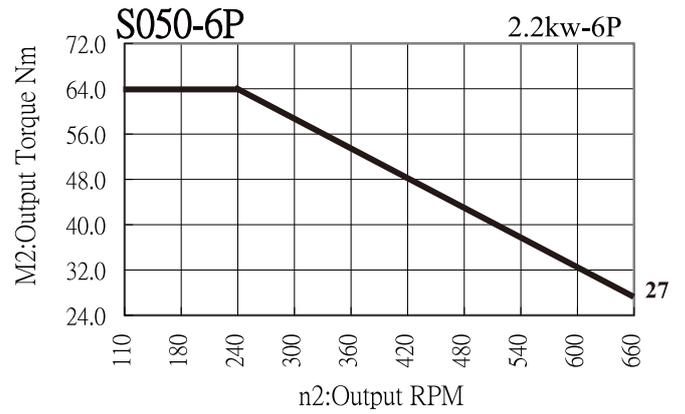
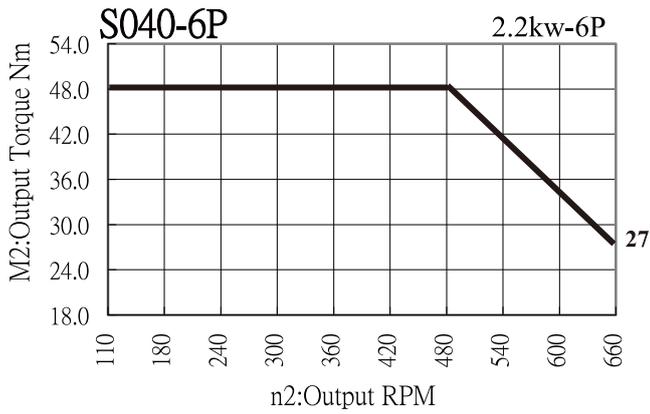
# Performance Curves - 4 Pole / 扭力曲線圖 - 4極



# Performance Curves - 6 Pole / 扭力曲線圖 - 6極



# Performance Curves - 6 Pole / 扭力曲線圖 - 6極

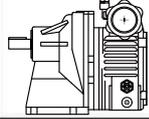
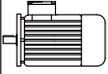


# PERFORMANCE OF VARIATORS 變速機特性表

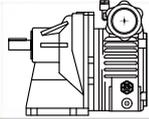
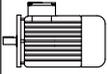
## Variators With Gear Units 變速機附齒輪減速機

Type : SRM、SRF、SRMF、SRT、SRL

0.18KW

★	n2(a) ~ n2(b)		n2 (D)	M2(a) ~ M2(b)		M2 max	S.F.		i		
	rpm	rpm		Nm	Nm		(a)	(b)			
★	950.0	190.0	---	1.5	4.0	---	---	---	---	S.002	63B4
	785.1	157.0	---	1.8	4.7	25	>3	>3	1.21	SR.002041	63B4
	597.5	119.5	---	2.3	6.2	25	>3	>3	1.59	SR.002041	63B4
	502.6	100.5	---	2.8	7.4	25	>3	>3	1.89	SR.002041	63B4
	394.2	78.8	---	3.5	9.4	30	>3	>3	2.41	SR.002041	63B4
	322.0	64.4	---	4.3	11.6	40	>3	>3	2.95	SR.002041	63B4
	237.5	47.5	---	5.9	15.7	45	>3	2.87	4.00	SR.002041	63B4
	197.9	39.6	---	7.1	18.8	45	>3	2.39	4.80	SR.002041	63B4
	146.2	29.2	---	9.6	25.5	50	>3	1.96	6.50	SR.002041	63B4
	129.6	25.9	---	10.8	28.7	50	>3	1.74	7.33	SR.002041	63B4
	113.4	22.7	---	12.3	32.8	50	4.06	1.52	8.38	SR.002041	63B4

0.25KW

★	n2(a) ~ n2(b)		n2 (D)	M2(a) ~ M2(b)		M2 max	S.F.		i		
	rpm	rpm		Nm	Nm		(a)	(b)			
★	950.0	190.0	---	2.0	4.0	---	---	---	---	S.003	63C4
	785.1	157.0	---	2.4	4.7	25	>3	>3	1.21	SR.003041	63C4
	605.1	121.0	---	3.1	6.2	25	>3	>3	1.57	SR.003041	63C4
	502.6	100.5	---	3.7	7.4	25	>3	>3	1.89	SR.003041	63C4
	394.2	78.8	---	4.7	9.4	30	>3	>3	2.41	SR.003041	63C4
	322.0	64.4	---	5.8	11.6	40	>3	>3	2.95	SR.003041	63C4
	237.5	47.5	---	7.8	15.7	45	>3	2.87	4.00	SR.003041	63C4
	197.9	39.6	---	9.4	18.8	45	>3	2.39	4.80	SR.003041	63C4
	146.2	29.2	---	12.7	25.5	50	>3	1.96	6.50	SR.003041	63C4
	129.6	25.9	---	14.4	28.7	50	>3	1.74	7.33	SR.003041	63C4
	113.4	22.7	---	16.4	32.8	50	3.04	1.52	8.38	SR.003041	63C4

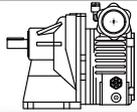
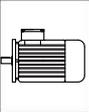
★ without gear unit. 不含減速機

# PERFORMANCE OF VARIATORS 變速機特性表

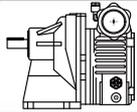
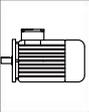
## Variators With Gear Units 變速機附齒輪減速機

Type : SRM、SRF、SRMF、SRT、SRL / SRMD、SRFD、SRMFD、SRTD、SRLD

### 0.37KW

	n2(a) ~ n2(b)		n2(a)~ n2(b)		M2(a) ~ M2(b)		M2 max	S.F.		i		
	rpm		rpm (D Type)		Nm		Nm	(a)	(b)			
★	1900.0	380.0	---	---	1.7	4.0	---	---	---	---	S.003-2P	63C2
★	1000.0	166.0	1000.0	0	3.0	6.0	---	---	---	---	S.005	71B4
	704.2	116.9	704.2	0	4.2	8.3	60	>3	>3	1.42	SR.005051	71B4
	500.0	83.0	500.0	0	5.9	11.8	60	>3	>3	2.00	SR.005051	71B4
	389.1	64.6	389.1	0	7.6	15.1	70	>3	>3	2.57	SR.005051	71B4
	315.5	52.4	315.5	0	9.3	18.6	80	>3	>3	3.17	SR.005051	71B4
	293.3	48.7	293.3	0	10.0	20.1	80	>3	>3	3.41	SR.005051	71B4
	250.0	41.5	250.0	0	11.8	23.5	90	>3	>3	4.00	SR.005051	71B4
	190.5	31.6	190.5	0	15.4	30.9	100	>3	>3	5.25	SR.005051	71B4
	153.8	25.5	153.8	0	19.1	38.2	100	>3	2.62	6.50	SR.005051	71B4
	136.4	22.6	136.4	0	21.6	43.1	100	>3	2.32	7.33	SR.005051	71B4

### 0.55KW

	n2(a) ~ n2(b)		n2(a)~ n2(b)		M2(a) ~ M2(b)		M2 max	S.F.		i		
	rpm		rpm (D Type)		Nm		Nm	(a)	(b)			
★	1000.0	166.0	1000.0	0	4.4	6.0	---	---	---	---	S.008	71C4
	704.2	116.9	704.2	0	6.1	8.3	60	>3	>3	1.42	SR.008051	71C4
	500.0	83.0	500.0	0	8.6	11.8	60	>3	>3	2.00	SR.008051	71C4
	389.1	64.6	389.1	0	11.1	15.1	70	>3	>3	2.57	SR.008051	71C4
	315.5	52.4	315.5	0	13.7	18.6	80	>3	>3	3.17	SR.008051	71C4
	293.3	48.7	293.3	0	14.7	20.1	80	>3	>3	3.41	SR.008051	71C4
	250.0	41.5	250.0	0	17.2	23.5	90	>3	>3	4.00	SR.008051	71C4
	190.5	31.6	190.5	0	22.6	30.9	100	>3	>3	5.25	SR.008051	71C4
	153.8	25.5	153.8	0	28.0	38.2	100	>3	2.62	6.50	SR.008051	71C4
	136.4	22.6	136.4	0	31.6	43.1	100	>3	2.32	7.33	SR.008051	71C4

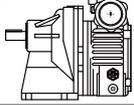
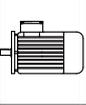
★ without gear unit. 不含減速機

# PERFORMANCE OF VARIATORS 變速機特性表

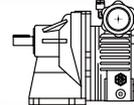
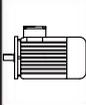
## Variators With Gear Units 變速機附齒輪減速機

Type : SRM、SRF、SRMF、SRT、SRL / SRMD、SRFD、SRMFD、SRTD、SRLD

### 0.75KW (Type A)

★	n2(a) ~ n2(b)		n2(a)~ n2(b)		M2(a) ~ M2(b)		M2 max	S.F.		i		
	rpm	rpm	rpm (D Type)	rpm	Nm	Nm	(a)	(b)				
★	2000.0	333.0	2000.0	0	3.0	6.0	---	---	---	---	S.005-2P	71C2
★	1000.0	166.0	1000.0	0	6.0	6.0	---	---	---	---	SF010A	80B4
	704.2	116.9	704.2	0	8.3	8.3	60	>3	>3	1.42	SR.010A051	80B4
	500.0	83.0	500.0	0	11.8	11.8	60	>3	>3	2.00	SR.010A051	80B4
	389.1	64.6	389.1	0	15.1	15.1	70	>3	>3	2.57	SR.010A051	80B4
	315.5	52.4	315.5	0	18.6	18.6	80	>3	>3	3.17	SR.010A051	80B4
	293.3	48.7	293.3	0	20.1	20.1	80	>3	>3	3.41	SR.010A051	80B4
	250.0	41.5	250.0	0	23.5	23.5	90	>3	>3	4.00	SR.010A051	80B4
	190.5	31.6	190.5	0	30.9	30.9	100	>3	>3	5.25	SR.010A051	80B4
	153.8	25.5	153.8	0	38.2	38.2	100	2.62	2.62	6.50	SR.010A051	80B4
	136.4	22.6	136.4	0	43.1	43.1	100	2.32	2.32	7.33	SR.010A051	80B4

### 0.75KW

★	n2(a) ~ n2(b)		n2(a)~ n2(b)		M2(a) ~ M2(b)		M2 max	S.F.		i		
	rpm	rpm	rpm (D Type)	rpm	Nm	Nm	(a)	(b)				
★	2000.0	333.0	2000.0	0	3.0	6.0	---	---	---	---	S.005-2P	71C2
★	1000.0	166.0	1000.0	0	6.0	12.0	---	---	---	---	S.010	80B4
★	666.0	111.0	666.0	0	9.0	12.0	---	---	---	---	S.020A-6P	90S6
★	666.0	111.0	666.0	0	9.0	24.0	---	---	---	---	S.020-6P	90S6
	757.6	125.8	757.6	0	7.8	15.5	120	>3	>3	1.32	SR.010061	80B4
	490.2	81.4	490.2	0	12.0	24.0	120	>3	>3	2.04	SR.010061	80B4
	409.8	68.0	409.8	0	14.3	28.7	120	>3	>3	2.44	SR.010061	80B4
	316.5	52.5	316.5	0	18.6	37.2	130	>3	>3	3.16	SR.010061	80B4
	253.8	42.1	253.8	0	23.2	46.3	150	>3	>3	3.94	SR.010061	80B4
	196.9	32.7	196.9	0	29.9	59.7	170	>3	2.85	5.08	SR.010061	80B4
	161.8	26.9	161.8	0	36.3	72.7	170	>3	2.34	6.18	SR.010061	80B4
	128.5	21.3	128.5	0	45.7	91.5	170	3.72	1.86	7.78	SR.010061	80B4

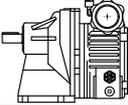
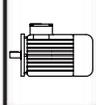
★ without gear unit. 不含減速機

# PERFORMANCE OF VARIATORS 變速機特性表

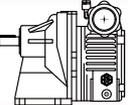
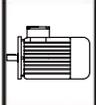
## Variators With Gear Units 變速機附齒輪減速機

Type : SRM、SRF、SRMF、SRT、SRL / SRMD、SRFD、SRMFD、SRTD、SRLD

### 1.1KW

★	n2(a) ~ n2(b)		n2(a)~ n2(b)		M2(a) ~ M2(b)		M2 max	S.F.		i		
	rpm	rpm	rpm (D Type)	rpm	Nm	Nm	(a)	(b)				
★	1000.0	166.0	1000.0	0	9.0	12.0	---	---	---	---	S.011	80C4
	757.6	125.8	757.6	0	11.6	15.5	120	>3	>3	1.32	SR.011061	80C4
	490.2	81.4	490.2	0	18.0	24.0	120	>3	>3	2.04	SR.011061	80C4
	409.8	68.0	409.8	0	21.5	28.7	120	>3	>3	2.44	SR.011061	80C4
	316.5	52.5	316.5	0	27.9	37.2	130	>3	>3	3.16	SR.011061	80C4
	253.8	42.1	253.8	0	34.8	46.3	150	>3	>3	3.94	SR.011061	80C4
	196.9	32.7	196.9	0	44.8	59.7	170	>3	2.85	5.08	SR.011061	80C4
	161.8	26.9	161.8	0	54.5	72.7	170	>3	2.34	6.18	SR.011061	80C4
	128.5	21.3	128.5	0	68.6	91.5	170	2.48	1.86	7.78	SR.011061	80C4

### 1.5KW (A Type)

★	n2(a) ~ n2(b)		n2(a)~ n2(b)		M2(a) ~ M2(b)		M2 max	S.F.		i		
	rpm	rpm	rpm (D Type)	rpm	Nm	Nm	(a)	(b)				
★	2000.0	333.0	2000.0	0	6.0	6.0	---	---	---	---	SF.010A-2P	80C2
★	900.0	225.0	900.0	0	12.0	12.0	---	---	---	---	S.020A	90L4
	681.8	170.5	681.8	0	15.5	15.5	120	>3	>3	1.32	SR.020A061	90L4
	441.2	110.3	441.2	0	24.0	24.0	120	>3	>3	2.04	SR.020A061	90L4
	368.9	92.2	368.9	0	28.7	28.7	120	>3	>3	2.44	SR.020A061	90L4
	284.8	71.2	284.8	0	37.2	37.2	130	>3	>3	3.16	SR.020A061	90L4
	228.4	57.1	228.4	0	46.3	46.3	150	>3	>3	3.94	SR.020A061	90L4
	177.2	44.3	177.2	0	59.7	59.7	170	2.85	2.85	5.08	SR.020A061	90L4
	145.6	36.4	145.6	0	72.7	72.7	170	2.34	2.34	6.18	SR.020A061	90L4
	115.7	28.9	115.7	0	91.5	91.5	170	1.86	1.86	7.78	SR.020A061	90L4

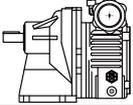
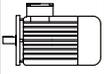
★ without gear unit. 不含減速機

# PERFORMANCE OF VARIATORS 變速機特性表

## Variators With Gear Units 變速機附齒輪減速機

Type : SRM、SRF、SRMF、SRT、SRL / SRMD、SRFD、SRMFD、SRTD、SRLD

1.5KW

	n2(a) ~ n2(b)		n2(a) ~ n2(b)		M2(a) ~ M2(b)		M2 max	S.F.		i		
	rpm		rpm (D Type)		Nm		Nm	(a)	(b)			
★	2000.0	333.0	2000.0	0	6.0	12.0	---	---	---	---	S.010-2P	80C2
★	1000.0	166.0	1000.0	0	12.0	24.0	---	---	---	---	S.020	90L4
★	660.0	110.0	660.0	0	18.0	48.0	---	---	---	---	S.030-6P	100LA6
	757.6	125.8	757.6	0	15.5	31.0	120	>3	>3	1.32	SR.020061	90L4
	490.2	81.4	490.2	0	24.0	48.0	120	>3	2.50	2.04	SR.020061	90L4
	409.8	68.0	409.8	0	28.7	57.4	120	>3	2.09	2.44	SR.020061	90L4
	316.5	52.5	316.5	0	37.2	74.3	130	>3	1.75	3.16	SR.020061	90L4
	253.8	42.1	253.8	0	46.3	92.7	150	>3	1.62	3.94	SR.020061	90L4
	196.9	32.7	196.9	0	59.7	119.5	170	2.85	1.42	5.08	SR.020061	90L4
	161.8	26.9	161.8	0	72.7	145.4	170	2.34	1.17	6.18	SR.020061	90L4
	128.5	21.3	128.5	0	91.5	183.0	170	1.86	0.93	7.78	SR.020061	90L4
	699.3	116.1	699.3	0	16.8	33.6	220	>3	>3	1.43	SR.020081	90L4
	518.1	86.0	518.1	0	22.7	45.4	230	>3	>3	1.93	SR.020081	90L4
	393.7	65.4	393.7	0	29.9	59.7	280	>3	>3	2.54	SR.020081	90L4
	307.7	51.1	307.7	0	38.2	76.4	310	>3	>3	3.25	SR.020081	90L4
	250.0	41.5	250.0	0	47.0	94.1	320	>3	>3	4.00	SR.020081	90L4
	214.1	35.5	214.1	0	54.9	109.8	320	>3	2.91	4.67	SR.020081	90L4
	180.5	30.0	180.5	0	65.2	130.3	330	>3	2.53	5.54	SR.020081	90L4
	164.5	27.3	164.5	0	71.5	143.0	340	>3	2.38	6.08	SR.020081	90L4
	133.3	22.1	133.3	0	88.2	176.4	350	>3	1.98	7.50	SR.020081	90L4
	118.5	19.7	118.5	0	99.3	198.5	350	>3	1.76	8.44	SR.020081	90L4

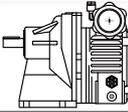
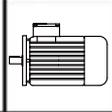
★ without gear unit. 不含減速機

# PERFORMANCE OF VARIATORS 變速機特性表

## Variators With Gear Units 變速機附齒輪減速機

Type : SRM、SRF、SRMF、SRT、SRL / SRMD、SRFD、SRMFD、SRTD、SRLD

### 2.2KW

	n2(a) ~ n2(b)		n2(a) ~ n2(b)		M2(a) ~ M2(b)		M2 max		S.F.		i		
	rpm	rpm	rpm (D Type)	rpm	Nm	Nm	(a)	(b)	(a)	(b)			
★	1800.0	450.0	1800.0	0	9.3	12.0	---	---	---	---	---	S.020A-2P	90L2
★	2000.0	333.0	2000.0	0	9.0	24.0	---	---	---	---	---	S.020-2P	90L2
★	1000.0	166.0	1000.0	0	18.0	24.0	---	---	---	---	---	S.022	90LB4
★	660.0	110.0	660.0	0	27.0	48.0	---	---	---	---	---	S.040-6P	112M6
	757.6	125.8	757.6	0	23.3	31.0	120	>3	>3	1.32		SR.022061	90LB4
	490.2	81.4	490.2	0	36.0	48.0	120	>3	2.50	2.04		SR.022061	90LB4
	409.8	68.0	409.8	0	43.0	57.4	120	2.79	2.09	2.44		SR.022061	90LB4
	316.5	52.5	316.5	0	55.7	74.3	130	2.33	1.75	3.16		SR.022061	90LB4
	253.8	42.1	253.8	0	69.5	92.7	150	2.16	1.62	3.94		SR.022061	90LB4
	196.9	32.7	196.9	0	89.6	119.5	170	1.90	1.42	5.08		SR.022061	90LB4
	161.8	26.9	161.8	0	109.0	145.4	170	1.56	1.17	6.18		SR.022061	90LB4
	128.5	21.3	128.5	0	137.2	183.0	170	1.24	0.93	7.78		SR.022061	90LB4
	699.3	116.1	699.3	0	25.2	33.6	220	>3	>3	1.43		SR.022081	90LB4
	518.1	86.0	518.1	0	34.0	45.4	230	>3	>3	1.93		SR.022081	90LB4
	393.7	65.4	393.7	0	44.8	59.7	280	>3	>3	2.54		SR.022081	90LB4
	307.7	51.1	307.7	0	57.3	76.4	310	>3	>3	3.25		SR.022081	90LB4
	250.0	41.5	250.0	0	70.6	94.1	320	>3	>3	4.00		SR.022081	90LB4
	214.1	35.5	214.1	0	82.4	109.8	320	>3	2.91	4.67		SR.022081	90LB4
	180.5	30.0	180.5	0	97.7	130.3	330	>3	2.53	5.54		SR.022081	90LB4
	164.5	27.3	164.5	0	107.3	143.0	340	>3	2.38	6.08		SR.022081	90LB4
	133.3	22.1	133.3	0	132.3	176.4	350	2.65	1.98	7.50		SR.022081	90LB4
	118.5	19.7	118.5	0	148.9	198.5	350	2.35	1.76	8.44		SR.022081	90LB4

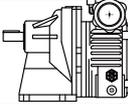
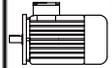
★ without gear unit. 不含減速機

# PERFORMANCE OF VARIATORS 變速機特性表

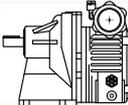
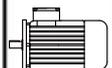
## Variators With Gear Units 變速機附齒輪減速機

Type : SRM、SRF、SRMF、SRT、SRL / SRMD、SRFD、SRMFD、SRTD、SRLD

### 2.2KW

	n2(a) ~ n2(b)		n2(a)~ n2(b)		M2(a) ~ M2(b)		M2 max	S.F.		i		
	rpm	rpm	rpm	(D Type)	Nm	Nm	Nm	(a)	(b)			
★	1000.0	166.0	1000.0	0	18.0	48.0	---	---	---	---	S.030	100LA4
★	660.0	110.0	660.0	0	27.0	64.0	---	---	---	---	S.050-6P	112M6
	709.2	117.7	709.2	0	24.9	66.3	450	>3	>3	1.41	SR.030101	100LA4
	492.6	81.8	492.6	0	35.8	95.5	450	>3	>3	2.03	SR.030101	100LA4
	403.2	66.9	403.2	0	43.7	116.7	550	>3	>3	2.48	SR.030101	100LA4
	305.8	50.8	305.8	0	57.7	153.8	600	>3	>3	3.27	SR.030101	100LA4
	270.3	44.9	270.3	0	65.3	174.0	600	>3	>3	3.70	SR.030101	100LA4
	237.0	39.3	237.0	0	74.4	198.5	610	>3	>3	4.22	SR.030101	100LA4
	204.9	34.0	204.9	0	86.1	229.6	620	>3	2.70	4.88	SR.030101	100LA4
	189.8	31.5	189.8	0	93.0	247.9	620	>3	2.50	5.27	SR.030101	100LA4
	160.5	26.6	160.5	0	109.9	293.1	640	>3	2.18	6.23	SR.030101	100LA4
	132.5	22.0	132.5	0	133.2	355.2	650	>3	1.83	7.55	SR.030101	100LA4
	119.0	19.8	119.0	0	148.2	395.1	650	>3	1.65	8.40	SR.030101	100LA4

### 4KW

	n2(a) ~ n2(b)		n2(a)~ n2(b)		M2(a) ~ M2(b)		M2 max	S.F.		i		
	rpm	rpm	rpm	(D Type)	Nm	Nm	Nm	(a)	(b)			
★	1000.0	166.0	1000.0	0	32.0	48.0	---	---	---	---	S.040	100LC4
	709.2	117.7	709.2	0	44.2	66.3	450	>3	>3	1.41	SR.040101	100LC4
	492.6	81.8	492.6	0	63.7	95.5	450	>3	>3	2.03	SR.040101	100LC4
	403.2	66.9	403.2	0	77.8	116.7	550	>3	>3	2.48	SR.040101	100LC4
	305.8	50.8	305.8	0	102.5	153.8	600	>3	>3	3.27	SR.040101	100LC4
	270.3	44.9	270.3	0	116.0	174.0	600	>3	>3	3.70	SR.040101	100LC4
	237.0	39.3	237.0	0	132.3	198.5	610	>3	>3	4.22	SR.040101	100LC4
	204.9	34.0	204.9	0	153.0	229.6	620	>3	2.70	4.88	SR.040101	100LC4
	189.8	31.5	189.8	0	165.3	247.9	620	>3	2.50	5.27	SR.040101	100LC4
	160.5	26.6	160.5	0	195.4	293.1	640	>3	2.18	6.23	SR.040101	100LC4
	132.5	22.0	132.5	0	236.8	355.2	650	2.75	1.83	7.55	SR.040101	100LC4
	119.0	19.8	119.0	0	263.4	395.1	650	2.47	1.65	8.40	SR.040101	100LC4

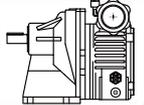
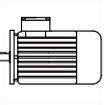
★ without gear unit. 不含減速機

# PERFORMANCE OF VARIATORS 變速機特性表

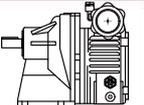
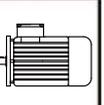
## Variators With Gear Units 變速機附齒輪減速機

Type : SRM、SRF、SRMF、SRT、SRL / SRMD、SRFD、SRMFD、SRTD、SRLD

### 4KW

	n2(a) ~ n2(b)		n2(a)~ n2(b)		M2(a) ~ M2(b)		M2 max	S.F.		i		
	rpm	rpm	rpm	(D Type)	Nm	Nm	Nm	(a)	(b)			
★	1000.0	166.0	1000.0	0	32.0	64.0	---	---	---	---	S.050	100LC4
★	660.0	110.0	660.0	0	48.0	88.0	---	---	---	---	S.075	132MA6
	709.2	117.7	709.2	0	44.2	88.4	450	>3	>3	1.41	SR.050101	100LC4
	492.6	81.8	492.6	0	63.7	127.3	450	>3	>3	2.03	SR.050101	100LC4
	403.2	66.9	403.2	0	77.8	155.5	550	>3	>3	2.48	SR.050101	100LC4
	305.8	50.8	305.8	0	102.5	205.1	600	>3	2.93	3.27	SR.050101	100LC4
	270.3	44.9	270.3	0	116.0	232.1	600	>3	2.59	3.70	SR.050101	100LC4
	237.0	39.3	237.0	0	132.3	264.7	610	>3	2.30	4.22	SR.050101	100LC4
	204.9	34.0	204.9	0	153.0	306.1	620	>3	2.03	4.88	SR.050101	100LC4
	189.8	31.5	189.8	0	165.3	330.5	620	>3	1.88	5.27	SR.050101	100LC4
	160.5	26.6	160.5	0	195.4	390.7	640	>3	1.64	6.23	SR.050101	100LC4
	132.5	22.0	132.5	0	236.8	473.5	650	2.75	1.37	7.55	SR.050101	100LC4
	119.0	19.8	119.0	0	263.4	526.8	650	2.47	1.23	8.40	SR.050101	100LC4

### 5.5KW

	n2(a) ~ n2(b)		n2(a)~ n2(b)		M2(a) ~ M2(b)		M2 max	S.F.		i		
	rpm	rpm	rpm	(D Type)	Nm	Nm	Nm	(a)	(b)			
★	1000.0	166.0	1000.0	0	44.0	64.0	---	---	---	---	S.055	112L4
★	660.0	110.0	660.0	0	66.0	88.0	---	---	---	---	S.075-6P	132MB6
	709.2	117.7	709.2	0	60.8	88.4	450	>3	>3	1.41	SR.055101	112L4
	492.6	81.8	492.6	0	87.5	127.3	450	>3	>3	2.03	SR.055101	112L4
	403.2	66.9	403.2	0	106.9	155.5	550	>3	>3	2.48	SR.055101	112L4
	305.8	50.8	305.8	0	141.0	205.1	600	>3	2.93	3.27	SR.055101	112L4
	270.3	44.9	270.3	0	159.5	232.1	600	>3	2.59	3.70	SR.055101	112L4
	237.0	39.3	237.0	0	182.0	264.7	610	>3	2.30	4.22	SR.055101	112L4
	204.9	34.0	204.9	0	210.4	306.1	620	2.95	2.03	4.88	SR.055101	112L4
	189.8	31.5	189.8	0	227.2	330.5	620	2.73	1.88	5.27	SR.055101	112L4
	160.5	26.6	160.5	0	268.6	390.7	640	2.38	1.64	6.23	SR.055101	112L4
	132.5	22.0	132.5	0	325.6	473.5	650	2.00	1.37	7.55	SR.055101	112L4
	119.0	19.8	119.0	0	362.2	526.8	650	1.79	1.23	8.40	SR.055101	112L4

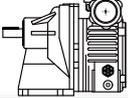
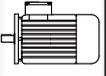
★ without gear unit. 不含減速機

# PERFORMANCE OF VARIATORS 變速機特性表

## Variators With Gear Units 變速機附齒輪減速機

Type : SRM、SRF、SRMF、SRT、SRL / SRMD、SRFD、SRMFD、SRTD、SRLD

5.5KW

	n2(a) ~ n2(b)		n2(a)~ n2(b)		M2(a) ~ M2(b)		M2 max	S.F.		i		
	rpm	rpm	rpm (D Type)	rpm	Nm	Nm	Nm	(a)	(b)			
★	1000.0	166.0	1000.0	0	44.0	88.0	---	---	---	---	S.075	132SA4
★	660.0	110.0	660.0	0	66.0	144.0	---	---	---	---	S.100-6P	132MB6
	709.2	117.7	709.2	0	60.8	121.6	450	>3	>3	1.41	SR.075101	132SA4
	492.6	81.8	492.6	0	87.5	175.1	450	>3	2.57	2.03	SR.075101	132SA4
	403.2	66.9	403.2	0	106.9	213.9	550	>3	2.57	2.48	SR.075101	132SA4
	305.8	50.8	305.8	0	141.0	282.0	600	>3	2.13	3.27	SR.075101	132SA4
	270.3	44.9	270.3	0	159.5	319.1	600	>3	1.88	3.70	SR.075101	132SA4
	237.0	39.3	237.0	0	182.0	363.9	610	>3	1.68	4.22	SR.075101	132SA4
	204.9	34.0	204.9	0	210.4	420.9	620	2.95	1.47	4.88	SR.075101	132SA4
	189.8	31.5	189.8	0	227.2	454.5	620	2.73	1.36	5.27	SR.075101	132SA4
	160.5	26.6	160.5	0	268.6	537.3	640	2.38	1.19	6.23	SR.075101	132SA4
	132.5	22.0	132.5	0	325.6	651.1	650	2.00	1.00	7.55	SR.075101	132SA4
	119.0	19.8	119.0	0	362.2	724.4	650	1.79	0.90	8.40	SR.075101	132SA4
	704.2	116.9	704.2	0	61.2	122.5	700	>3	>3	1.42	SR.075121	132SA4
	552.5	91.7	552.5	0	78.0	156.1	700	>3	>3	1.81	SR.075121	132SA4
	500.0	83.0	500.0	0	86.2	172.5	750	>3	>3	2.00	SR.075121	132SA4
	403.2	66.9	403.2	0	106.9	213.9	800	>3	>3	2.48	SR.075121	132SA4
	339.0	56.3	339.0	0	127.2	254.4	800	>3	>3	2.95	SR.075121	132SA4
	318.5	52.9	318.5	0	135.4	270.8	820	>3	>3	3.14	SR.075121	132SA4
	279.3	46.4	279.3	0	154.4	308.7	850	>3	2.75	3.58	SR.075121	132SA4
	242.7	40.3	242.7	0	177.7	355.3	850	>3	2.39	4.12	SR.075121	132SA4
	208.3	34.6	208.3	0	207.0	414.0	870	>3	2.10	4.80	SR.075121	132SA4
	191.9	31.9	191.9	0	224.7	449.3	880	>3	1.96	5.21	SR.075121	132SA4
	160.0	26.6	160.0	0	269.5	539.0	900	>3	1.67	6.25	SR.075121	132SA4
	129.9	21.6	129.9	0	332.0	664.0	1000	>3	1.51	7.70	SR.075121	132SA4

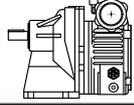
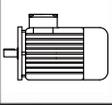
★ without gear unit. 不含減速機

# PERFORMANCE OF VARIATORS 變速機特性表

## Variators With Gear Units 變速機附齒輪減速機

Type : SRM、SRF、SRMF、SRT、SRL / SRMD、SRFD、SRMFD、SRTD、SRLD

7.5KW

★	n2(a) ~ n2(b)		n2(a)~ n2(b)		M2(a) ~ M2(b)		M2 max	S.F.		i		
	rpm	rpm	rpm	(D Type)	Nm	Nm	Nm	(a)	(b)			
★	1000.0	166.0	1000.0	0	60.0	120.0	---	---	---	---	S.100	132MA4
	775.2	128.7	775.2	0	75.9	151.7	400	>3	2.64	1.29	SR.100101	132MA4
	709.2	117.7	709.2	0	82.9	165.8	450	>3	2.71	1.41	SR.100101	132MA4
	492.6	81.8	492.6	0	119.4	238.7	450	>3	1.88	2.03	SR.100101	132MA4
	403.2	66.9	403.2	0	145.8	291.6	550	>3	1.89	2.48	SR.100101	132MA4
	305.8	50.8	305.8	0	192.3	384.6	600	>3	1.56	3.27	SR.100101	132MA4
	270.3	44.9	270.3	0	217.6	435.1	600	2.76	1.38	3.70	SR.100101	132MA4
	237.0	39.3	237.0	0	248.1	496.3	610	2.46	1.23	4.22	SR.100101	132MA4
	204.9	34.0	204.9	0	286.9	573.9	620	2.16	1.08	4.88	SR.100101	132MA4
	189.8	31.5	189.8	0	309.9	619.8	620	2.00	1.00	5.27	SR.100101	132MA4
	704.2	116.9	704.2	0	83.5	167.0	700	>3	>3	1.42	SR.100121	132MA4
	552.5	91.7	552.5	0	106.4	212.9	700	>3	>3	1.81	SR.100121	132MA4
	500.0	83.0	500.0	0	117.6	235.2	750	>3	>3	2.00	SR.100121	132MA4
	403.2	66.9	403.2	0	145.8	291.6	800	>3	2.74	2.48	SR.100121	132MA4
	339.0	56.3	339.0	0	173.5	346.9	800	>3	2.31	2.95	SR.100121	132MA4
	318.5	52.9	318.5	0	184.6	369.3	820	>3	2.22	3.14	SR.100121	132MA4
	279.3	46.4	279.3	0	210.5	421.0	850	>3	2.02	3.58	SR.100121	132MA4
	242.7	40.3	242.7	0	242.3	484.5	850	>3	1.75	4.12	SR.100121	132MA4
	208.3	34.6	208.3	0	282.2	564.5	870	>3	1.54	4.80	SR.100121	132MA4
	191.9	31.9	191.9	0	306.3	612.7	880	2.87	1.44	5.21	SR.100121	132MA4
	160.0	26.6	160.0	0	367.5	735.0	900	2.45	1.22	6.25	SR.100121	132MA4
	129.9	21.6	129.9	0	452.8	905.5	1000	2.21	1.10	7.70	SR.100121	132MA4

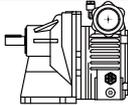
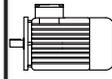
★ without gear unit. 不含減速機

# PERFORMANCE OF VARIATORS 變速機特性表

## Variators With Gear Units 變速機附齒輪減速機

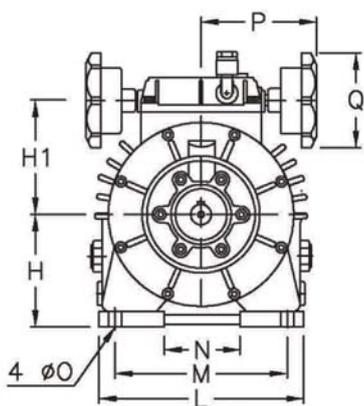
Type : SRM、SRF、SRMF、SRT、SRL / SRMD、SRFD、SRMFD、SRTD、SRLD

11KW

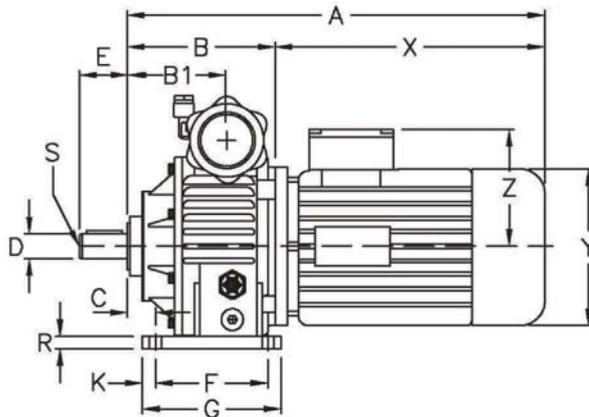
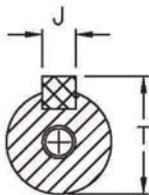
★	n2(a) ~ n2(b)		n2(a)~ n2(b)		M2(a) ~ M2(b)		M2 max	S.F.		i		
	rpm	rpm	rpm (D Type)	rpm	Nm	Nm	(a)	(b)				
★	1000.0	166.0	1000.0	0	72.0	144.0	---	---	---	---	S.110	132MD4
	775.2	128.7	775.2	0	91.0	182.0	400	>3	2.20	1.29	SR.110101	132MD4
	709.2	117.7	709.2	0	99.5	199.0	450	>3	2.26	1.41	SR.110101	132MD4
	492.6	81.8	492.6	0	143.2	286.5	450	>3	1.57	2.03	SR.110101	132MD4
	403.2	66.9	403.2	0	175.0	350.0	550	>3	1.57	2.48	SR.110101	132MD4
	305.8	50.8	305.8	0	230.7	461.5	600	2.60	1.30	3.27	SR.110101	132MD4
	270.3	44.9	270.3	0	261.1	522.1	600	2.30	1.15	3.70	SR.110101	132MD4
	237.0	39.3	237.0	0	297.8	595.5	610	2.05	1.02	4.22	SR.110101	132MD4
	204.9	34.0	204.9	0	344.3	688.7	620	1.80	0.90	4.88	SR.110101	132MD4
	189.8	31.5	189.8	0	371.9	743.7	620	1.67	0.83	5.27	SR.110101	132MD4
	704.2	116.9	704.2	0	100.2	200.4	700	>3	>3	1.42	SR.110121	132MD4
	552.5	91.7	552.5	0	127.7	255.4	700	>3	2.74	1.81	SR.110121	132MD4
	500.0	83.0	500.0	0	141.1	282.2	750	>3	2.66	2.00	SR.110121	132MD4
	403.2	66.9	403.2	0	175.0	350.0	800	>3	2.29	2.48	SR.110121	132MD4
	339.0	56.3	339.0	0	208.2	416.3	800	>3	1.92	2.95	SR.110121	132MD4
	318.5	52.9	318.5	0	221.6	443.1	820	>3	1.85	3.14	SR.110121	132MD4
	279.3	46.4	279.3	0	252.6	505.2	850	>3	1.68	3.58	SR.110121	132MD4
	242.7	40.3	242.7	0	290.7	581.4	850	2.92	1.46	4.12	SR.110121	132MD4
	208.3	34.6	208.3	0	338.7	677.4	870	2.57	1.28	4.80	SR.110121	132MD4
	191.9	31.9	191.9	0	367.6	735.2	880	2.39	1.20	5.21	SR.110121	132MD4
	160.0	26.6	160.0	0	441.0	882.0	900	2.04	1.02	6.25	SR.110121	132MD4
	129.9	21.6	129.9	0	543.3	1086.6	1000	1.84	0.92	7.70	SR.110121	132MD4

★ without gear unit. 不含減速機

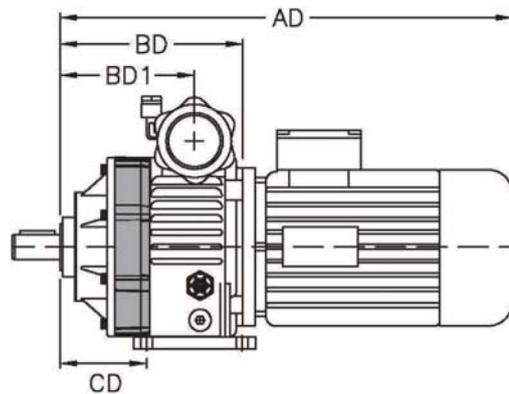
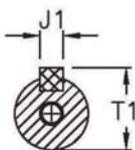
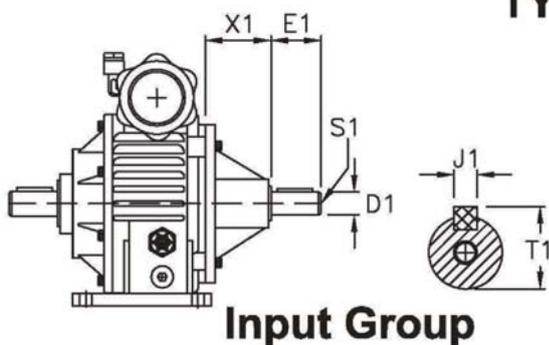
# DIMENSIONS 尺寸圖



**TYPE:SM**



**TYPE:SMD**



SIZE	A	AD	B	BD	B1	BD1	C	CD	F	G	H	H1	K	L	M	N	O	P
SM002	302	-	110	-	66	-	25	-	105	130	71	76	12.5	140	110	80	9	97
SM003																		
SM005	354	392	120	158	80	118	30	68	105	130	90	88	12.5	155	120	83	10	97
SM008																		
SM010	395	428	145	178	97	130	35	68	125	150	106	107	12.5	190	160	120	12	107
SM011																		
SM020A	395	428	145	178	97	130	35	68	125	150	106	107	12.5	190	160	120	12	107
SM020	488	525	173	210	106	143	50	87	140	165	125	126	12.5	230	180	130	12	107
SM022																		
SM030	534	588	208	262	124	178	25	79	230	270	150	158	20	300	245	190	14	155
SM040																		
SM050																		
SM055	543	597																
SM075	622	676	266	320	165	219	33	87	250	290	180	205	20	365	315	225	18	182
SM100	686	740																
SM110	686	740																

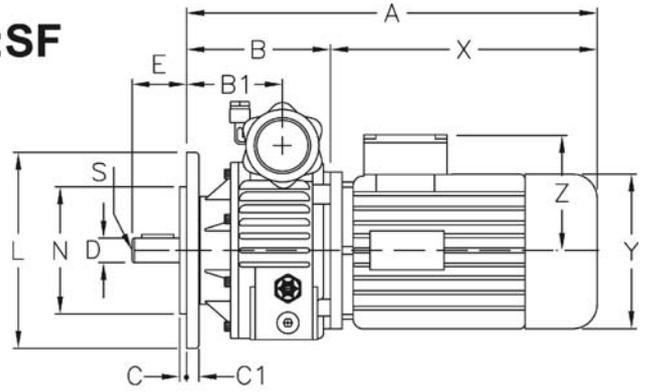
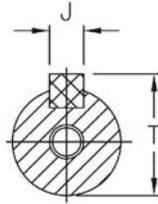
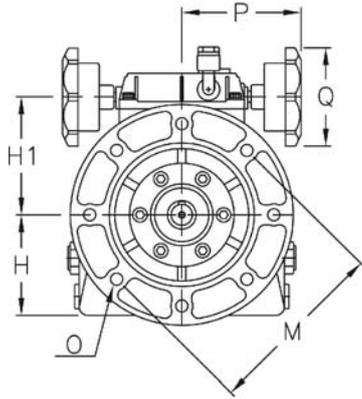
SIZE	Q	R	X	Y	Z	Output Shaft					Input Group					W.T. Kg	
						D	E	J	T	S	D1	E1	J1	T1	S1		X1
SM002	89	11	192	122	110	11	23	4	12.5	M5	11	23	4	12.5	M5	42	4
SM003						(14)	(30)	(5)	(16)	(M6)							
SM005	89	13	234	137	117	14	30	5	16	M6	14	30	5	16	M6	50	5.5
SM008						(19)	(40)	(6)	(21.5)								
SM010	89	13.5	250	158	137	19	40	6	21.5	M6	19	40	6	21.5	M6	65	9.5
SM011						(24)	(50)	(8)	(27)	(M8)							
SM020A	89	13.5	315	177	145	24	50	8	27	M8	19	40	6	21.5	M6	65	9.5
SM020	89	16	315	177	145	24	50	8	27	M8	24	50	8	27	M8	70	15
SM022						28											
SM030	120	20	326	197	152	28	60	8	31	M10	28	60	8	31	M10	95	30
SM040			326	197	152												
SM050			335	220	180												
SM055	120	20	335	220	180	38	80	10	41	M12	28	60	8	31	M10	95	30
SM075	120	25	356	253	193	38	80	10	41	M12	38	80	10	41	M12	110	85
SM100			420	253	193	42	(110)	(12)	(45)								
SM110			420	253	193	42	110	12	45	M12	38	80	10	41	M12	110	86

\* WEIGHT WITHOUT MOTOR & INPUT GROUP.  
 \* ( ) DIMENSIONS ACCORDING TO REQUEST ,  
 ACCEPT OTHER CUSTOMIZED SIZE'S ORDERS.

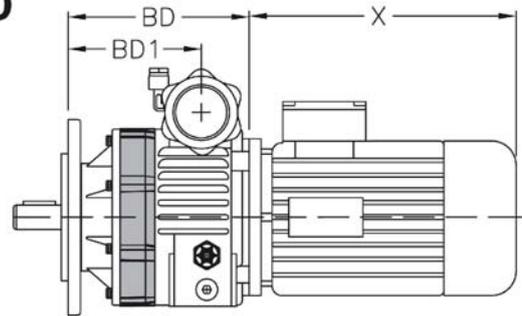
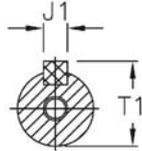
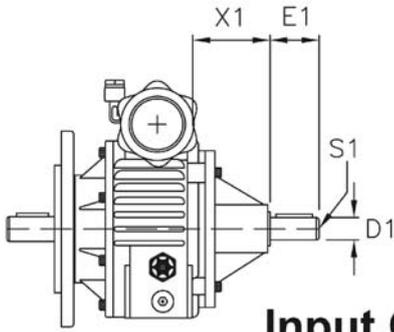
\* 重量不包含馬達或入力軸組  
 \* ( ) 內尺寸依要求供應,並且接受其它尺寸訂製

# DIMENSIONS 尺寸圖

## TYPE:SF



## TYPE:SFD



### Input Group

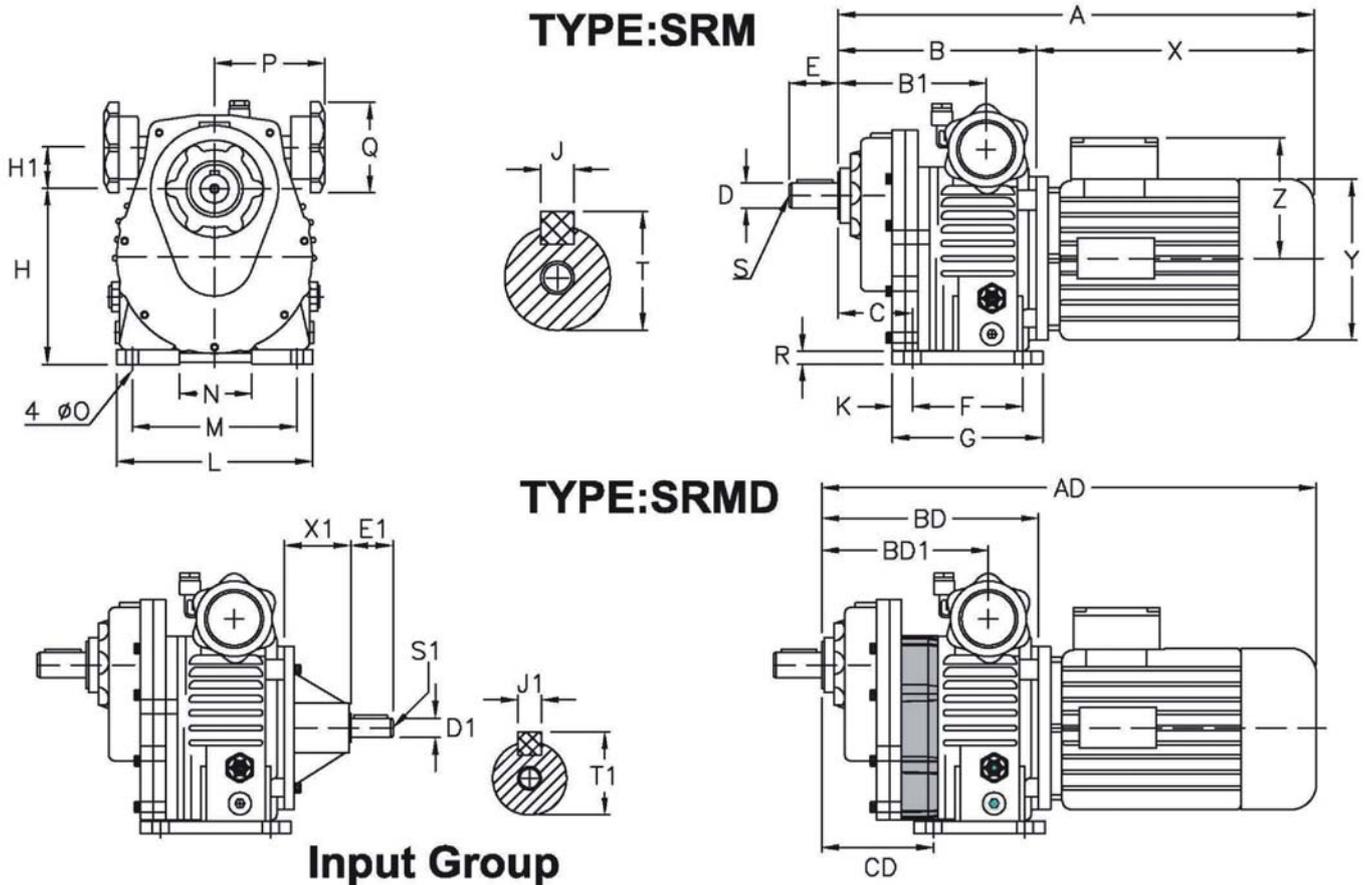
SIZE	A	B	BD	B1	BD1	H	H1	P	Q	Input Shaft					
										D1	E1	J1	T1	S1	X1
SF002 SF003	302	110	-	66	-	58	76	97	89	11	23	4	12.5	M5	42
SF005 SF008	354	120	158	80	118	73	88	97	89	14	30	5	16	M6	50
SF010A	368	134	172	80	132	73	88	97	89	14	30	5	16	M6	50
SF010	395	145	178	97	130	91	107	107	89	19	40	6	21.5	M6	65
SF011	395														
S.020A	460														
SF020 SF022	488	173	210	106	143	108	126	107	89	24	50	8	27	M8	70
SF030 SF040 SF050 SF055	534 534 543 543	208	262	124	178	134	158	155	120	28	60	8	31	M10	95
SF075 SF100 SF110	622 686 686	266	320	165	219	165	205	183	120	38	80	10	41	M12	110

SIZE	X	Y	Z	Input Flange						Output Shaft					W.T. Kg
				C	C1	L	M	N	O	D	E	J	T	S	
SF002 SF003	192	122	110	3.5	8	140 (160)	115 (130)	95 (110)	9	11 (14)	23 (30)	4 (5)	12.5 (16)	M5 (M6)	4
SF005 SF008	234	137	117	3.5	10.5	160 (200)	130 (165)	110 (130)	9 (11)	14 (19)	30 (40)	5 (6)	16 (21.5)	M6	5.5
SF010A	250	158	137	3.5	10.5	200	165	130	11	19	40	6	21.5	M6	6.2
SF010 SF011	250	158	137	3.5	13.5	200 (160)	165 (130)	130 (110)	11 (9)	19 (24)	40 (50)	6 (8)	21.5 (27)	M6 (M8)	9.5
S.020A	315	177	145	3.5	13.5	200	165	130	11	24	50	8	27	M8	9.6
SF020 SF022	315	177	145	4	14	200 250	165 215	130 180	11 14	24 28	50 60	8 8	27 31	M8 M10	15 16
SF030 SF040 SF050	326 326 335	197 197 220	152 152 180	4	16	250 (300)	215 (265)	180 (230)	14	28 (38)	60 (80)	8 (10)	31 (41)	M10 (M12)	30
SF055	335	220	180	4	16	300	265	230	14	38	80	10	41	M12	31
SF075 SF100 SF110	356 420 420	253	193	5	18	300 (350) 350	265 (300) 300	230 (250) 250	14 (18) 18	38 (42) 42	80 (110) 110	10 (12) 12	41 (45) 45	M12 (M12) M12	85 86

\* WEIGHT WITHOUT MOTOR & INPUT GROUP.  
 \* ( ) DIMENSIONS ACCORDING TO REQUEST ,  
 ACCEPT OTHER CUSTOMIZED SIZE'S ORDERS.

\* 重量不包含馬達或入力軸組  
 \* ( ) 內尺寸依要求供應,並且接受其它尺寸訂製

# DIMENSIONS 尺寸圖



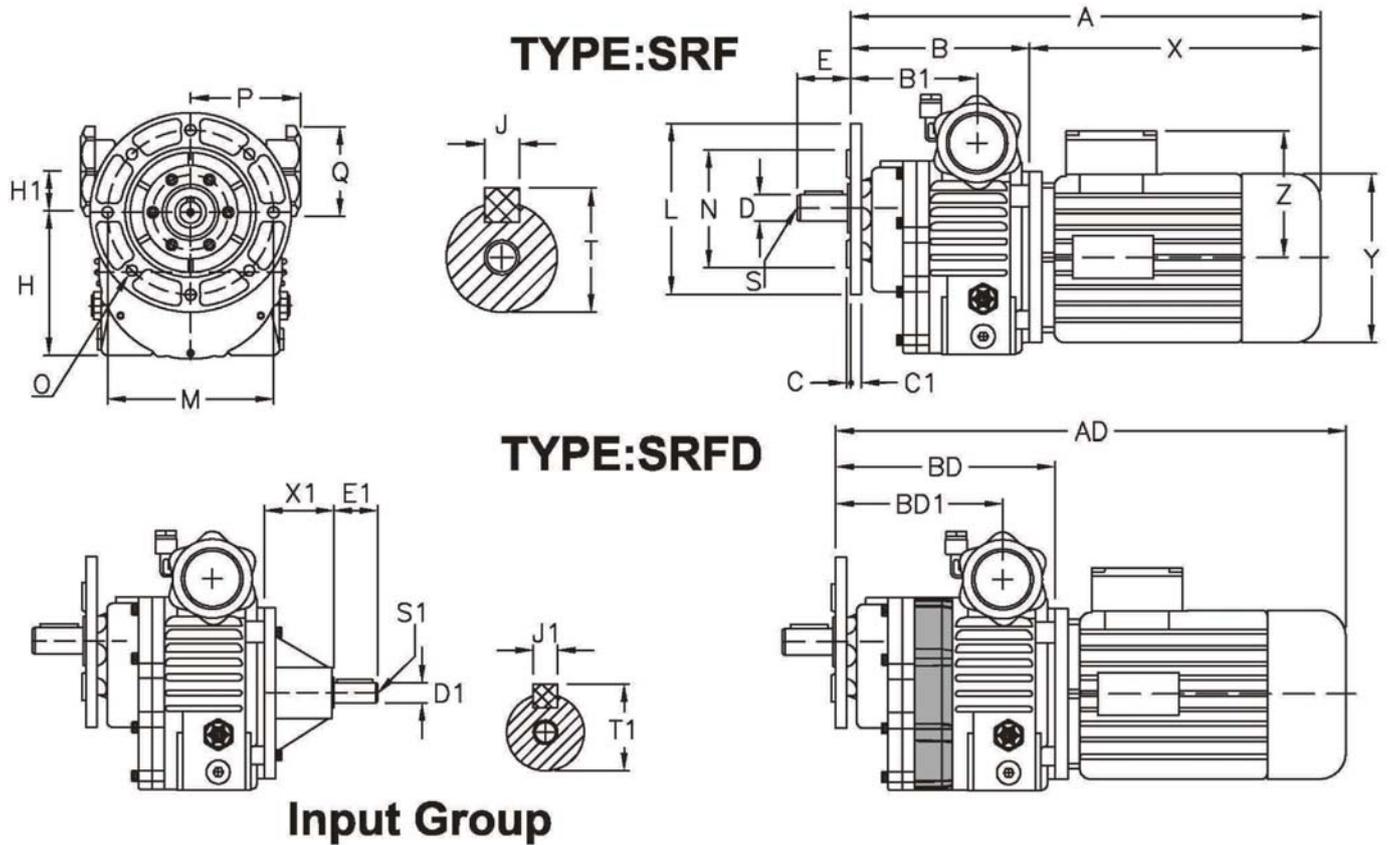
SIZE	A	AD	B	BD	B1	BD1	C	CD	F	G	H	H1	K	L	M	N	O
SRM002	331	-	139	-	108	-	57	-	105	130	111	36	12.5	140	110	80	9
SRM003																	
SRM005	379	417	145	183	105	143	54	92	105	130	140	38	12.5	155	120	83	10
SRM008																	
SRM010	429	462															
SRM011	429	462	179	212	131	164	69	102	125	150	169	44	12.5	190	160	120	12
SRM020A	494	527															
SRM020	516	553	201	238	135	172	78	115	140	165	188	63	12.5	230	180	130	12
SRM022																	
SRM030	572	609															
SRM040			246	300	165	219	63	117	230	270	224	87	20	300	245	190	14
SRM050																	
SRM055	581	635															
SRM075	729	783															
SRM100	793	847	373	427	277	331	169	223	250	270	318	205	40	365	315	225	18
SRM110	793	847															

SIZE	P	Q	R	X	Y	Output Shaft					Input Group						W.T. Kg
						D	E	J	T	S	D1	E1	J1	T1	S1	X1	
SRM002	97	89	11	192	122	19	30	6	21.5	M6	11	23	4	12.5	M5	42	5
SRM003						(20)			(22.5)								
SRM005	97	89	13	234	137	19	30	6	21.5	M6	14	30	5	16	M6	50	8
SRM008						(20)			(22.5)								
SRM010	107	89	13.5	250	158	24	35	8	27	M8	19	40	6	21.5	M6	65	14
SRM011						(25)			(28)								
SRM020A	107	89	13.5	315	177	24	35	8	27	M8	19	40	6	21.5	M6	65	14
SRM020	107	89	16	315	177	28	45	8	31	M1	24	50	8	27	M8	70	20
SRM022						(30)			(33)								
SRM030	155	120	20	326	197	38	60	10	41	M12	28	60	8	31	M10	95	45
SRM040						(40)			(43)								
SRM050	155	120	20	335	220	38	60	10	41	M12	28	60	8	31	M10	95	45
SRM055						(40)			(43)								
SRM075				356													
SRM100	250	150	30	420	253	48	82	14	51.5	M12	28	80	10	41	M12	110	190
SRM110				420													

\* WEIGHT WITHOUT MOTOR & INPUT GROUP.  
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 ACCEPT OTHER CUSTOMIZED SIZE'S ORDERS.

\* 重量不包含馬達或入力軸組  
 \* ( ) 內尺寸依要求供應,並且接受其它尺寸訂製

# DIMENSIONS 尺寸圖



	A	AD	B	BD	B1	BD1	C	C1	H	H1	P	Q	X	X1	Y
SRF002	331	-	139	-	108	-	3.5	8	98	36	97	89	192	42	122
SRF003															
SRF005	379	417	145	183	105	143	3.5	10.5	123	38	97	89	234	50	137
SRF008															
SRF010A							3.5	10.5	123		97	89	250	50	158
SRF010	429	462									107	89	250	65	158
SRF011	429	462	179	212	131	164	3.5	13.5	154	44					
SRF020A	494	527									107	89	315	65	177
SRF020	516	553	201	238	135	172	4	14	171	63	107	89	315	70	177
SRF022															
SRF030	572	609									155	120	326	95	197
SRF040			246	300	165	219	4	16	206	87					
SRF050	581	635									155	120	335	95	220
SRF055															
SRF075	729	783											356		
SRF100	793	847	373	427	277	331	5	18	302	205	250	150	420	110	253
SRF110	793	847											420		

	Output Flange				Output Shaft					Input Shaft					W.T. Kg
	L	M	N	O	D	E	J	T	S	D1	E1	J1	T1	S1	
SRF002	140	115	95	9	19	30	6	21.5	M6	11	23	4	12.5	M5	5
SRF003	(160)	(130)	(110)												
SRF005	160	130	110	9	19	30	6	21.5	M6	14	30	5	16	M6	8
SRF008	(200)	(165)	(130)	(11)											8
SRF010A															8.5
SRF010	200	165	130	11	24	35	8	27	M8	19	40	6	21.5	M6	14
SRF011	(160)	(130)	(110)	(9)											
SRF020A															
SRF020	200	165	130	11	28	45	8	31	M10	24	50	8	27	M8	20
SRF022	(250)	(215)	(180)	(14)											
SRF030	250	215	180	14	38	60	10	41	M12	28	60	8	31	M10	45
SRF040	(300)	(265)	(230)												
SRF050				14											
SRF055															
SRF075	300	265	230	18	48	82	14	51.5	M12	38	80	10	41	M12	190
SRF100	(350)	(300)	(250)												
SRF110															

\* WEIGHT WITHOUT MOTOR & INPUT GROUP

重量不包含馬達或入力軸組

\* ( ) DIMENSIONS ACCORDING TO REQUEST, ACCEPT OTHER CUSTOMIZED SIZE'S ORDERS

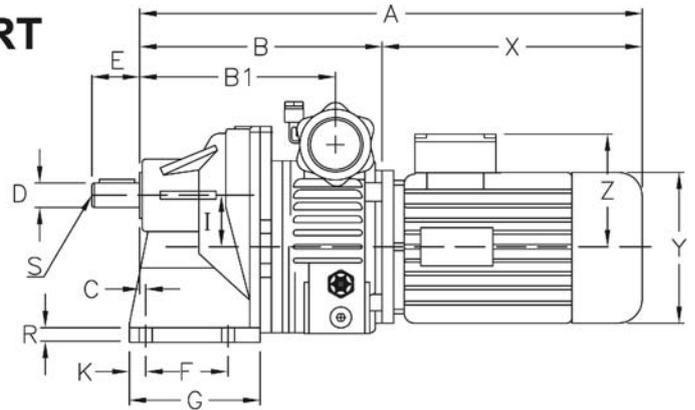
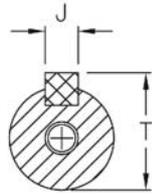
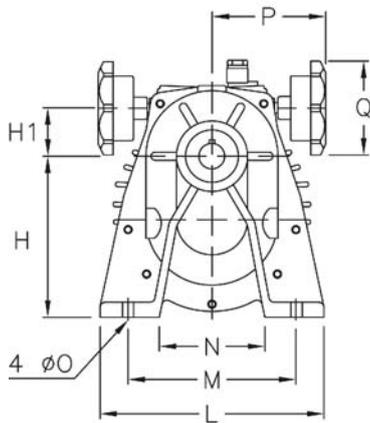
( ) 內尺寸依要求供應, 並且接受其它尺寸訂製

\* ACCEPT ORDERS OF CUSTOMIZED FLANGES AND SPINDLES

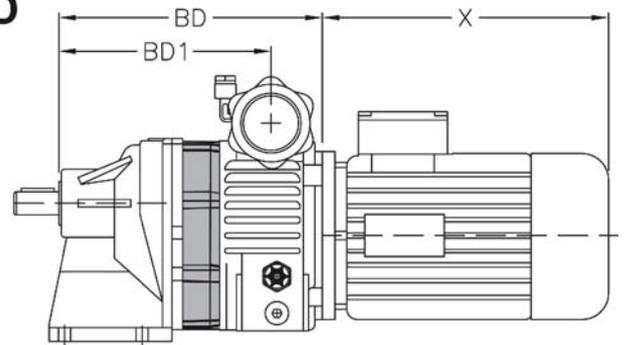
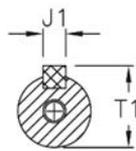
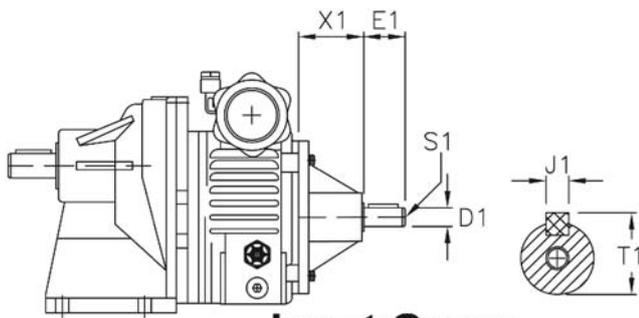
法蘭與軸心可依要求製作

# DIMENSIONS 尺寸圖

## TYPE:SRT



## TYPE:SRTD



### Input Group

SIZE	A	B	BD	B1	BD1	C	F	G	H	H1	I	K	L	M	N	O	P
002-003/041	373	181	-	140	-	20	45	80	110	36	40	12	130	105	70	9	97
005-008/051	428	194	232	154	192	6	70	110	130	38	50	15	180	150	90	11	97
010A051	442	208	246	168	206	6	70	110	130	38	50	15	180	150	90	11	97
010-011/061	468	218	251	171	204	9	70	115	160	44	63	15	215	165	100	11	107
020A061	533										63						
020-022/061	558	243	280	184	221	9	70	115	160	44	63	15	215	165	100	11	107
020-022/081	623	308	345	347	384	25	85	130	195	46	80	23	230	185	123	14	107
030-040/101	714	388	441	304	357	19	130	175	252	59	100	17	295	240	160	18	155
050-055/101	723	388	441	304	357	19	130	175	252	59	100	17	295	240	160	18	155
075101	802	446	500	345	399	19	130	175	252	105	100	17	295	240	160	18	155
100-110/101	866	446	500	345	399	19	130	175	252	105	100	17	295	240	160	18	155
075121	832	476	530	375	429	25	150	203	300	90	125	22	340	280	180	18	183
100-110/121	896	476	530	375	429	25	150	203	300	90	125	22	340	280	180	18	183

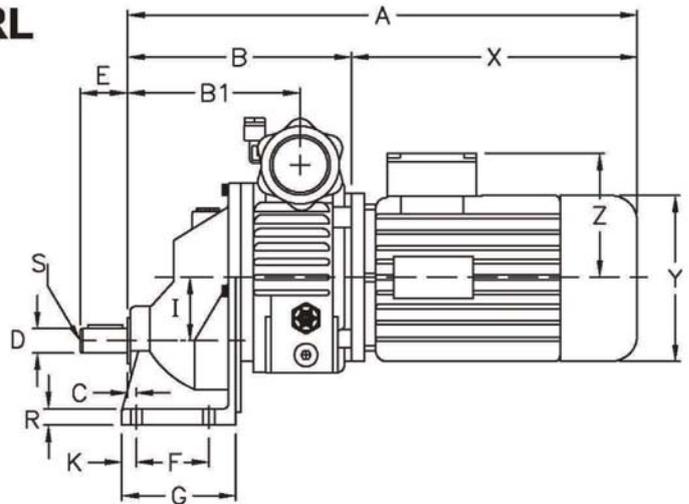
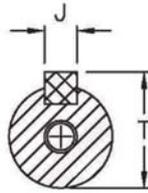
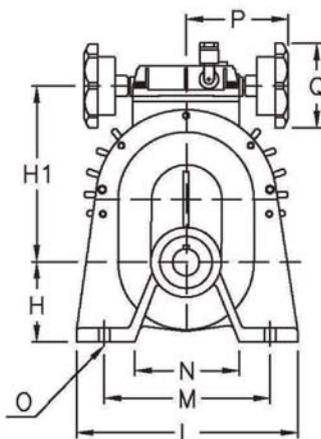
SIZE	Q	R	X	Y	Z	Output Shaft					Input Group						W.T. Kg
						D	E	J	T	S	D1	E1	J1	T1	S1	X1	
002-003/041	89	10	192	122	110	19	40	6	21.5	M6	11	23	4	12.5	M5	42	5.5
005-008/051	89	12	234	137	117	24	50	8	27	M8	14	30	5	16	M6	50	9
010A051			250	158	137												9.5
010-011/061	89	15	250	158	137	28	60	8	31	M10	19	40	6	21.5	M6	65	15
020A061			315	177	145												
020-022/061	89	15	315	177	145	28	60	8	31	M10	24	50	8	27	M8	70	22
020-022/081	89	15	315	177	145	38	80	10	41	M12	24	50	8	27	M8	70	35
030-040/101	120	16	326	197	152	48	110	14	51.5	M16	28	60	8	31	M10	95	65
050-055/101	120	16	335	220	180	48	110	14	51.5	M16	28	60	8	31	M10	95	66
075101	150	16	356	253	193	48	110	14	51.5	M16	38	80	10	41	M12	110	116
100-110/101	150	16	420	253	193	48	110	14	51.5	M16	38	80	10	41	M12	110	117
075121	150	19	356	253	193	55	110	16	59	M20	38	80	10	41	M12	110	122
100-110/121	150	19	420	253	193	55	110	16	59	M20	38	80	10	41	M12	110	123

\* WEIGHT WITHOUT MOTOR & INPUT GROUP.  
 \* ( ) DIMENSIONS ACCORDING TO REQUEST ,  
 ACCEPT OTHER CUSTOMIZED SIZE'S ORDERS.

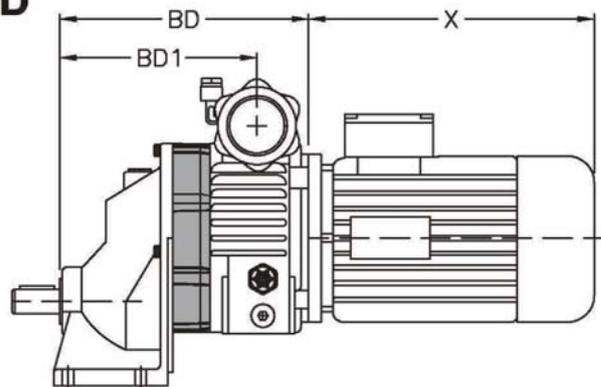
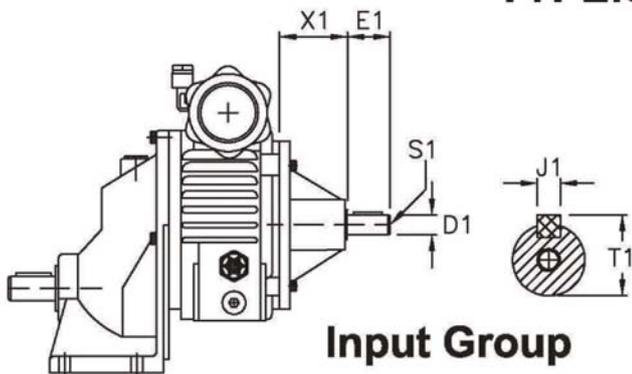
\* 重量不包含馬達或入力軸組  
 \* ( ) 內尺寸依要求供應,並且接受其它  
 尺寸訂製

# DIMENSIONS 尺寸圖

## TYPE:SRL



## TYPE:SRLD



SIZE	A	B	BD	B1	BD1	C	F	G	H	H1	I	K	L	M	N	O	P
002-003/041	373	181	-	140	-	20	45	80	50	166	40	12	130	105	70	9	97
005-008/051	428	194	232	154	192	6	70	110	63	201	50	15	180	150	90	11	97
010A/051	442	208	246	168	206	6	70	110	63	201	50	15	180	150	90	11	97
010-011/061	468	218	251	171	204	9	70	115	80	250	63	15	215	165	100	11	107
020A/061	533																
020-022/061	558	243	280	184	221	9	70	115	80	269	63	15	215	165	100	11	107
020-022/081	623	308	345	347	384	25	85	130	100	306	80	23	230	185	123	14	107
030-040/101	714	388	441	304	357	19	130	175	125	383	100	17	295	240	160	18	155
050-055/101	723	388	441	304	357	19	130	175	125	383	100	17	295	240	160	18	155
075101	802	446	500	345	399	19	130	175	125	430	100	17	295	240	160	18	155
100-110/101	866	446	500	345	399	19	130	175	125	430	100	17	295	240	160	18	155
075121	832	476	530	375	429	25	150	203	160	480	125	22	340	280	180	18	183
100-110/121	896	476	530	375	429	25	150	203	160	480	125	22	340	280	180	18	183

SIZE	Q	R	X	Y	Z	Output Shaft					Input Group						W.T. Kg
						D	E	J	T	S	D1	E1	J1	T1	S1	X1	
002-003/041	89	10	192	122	110	19	40	6	21.5	M6	11	23	4	12.5	M5	42	5.5
005-008/051	89	12	234	137	117	24	50	8	27	M8	14	30	5	16	M6	50	9
010A/051			250	158	137												9.5
010-011/061	89	15	250	158	137	28	60	8	31	M10	19	40	6	21.5	M6	65	15
020A/061			315	177	145												
020-022/061	89	15	315	177	145	28	60	8	31	M10	24	50	8	27	M8	70	22
020-022/081	89	15	315	177	145	38	80	10	41	M12	24	50	8	27	M8	70	35
030-040/101	120	16	326	197	152	48	110	14	51.5	M16	28	60	8	31	M10	95	65
050-055/101	120	16	335	220	180	48	110	14	51.5	M16	28	60	8	31	M10	95	66
075101	150	16	356	253	193	48	110	14	51.5	M16	38	80	10	41	M12	110	116
100-110/101	150	16	420	253	193	48	110	14	51.5	M16	38	80	10	41	M12	110	117
075121	150	19	356	253	193	55	110	16	59	M20	38	80	10	41	M12	110	122
100-110/121	150	19	420	253	193	55	110	16	59	M20	38	80	10	41	M12	110	123

\* WEIGHT WITHOUT MOTOR & INPUT GROUP.  
 \* ( ) DIMENSIONS ACCORDING TO REQUEST ,  
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 尺寸訂製

# EUR 變速機使用說明書

Motor Speed  
摩托迪克股份有限公司

## 一. 安裝

1. 請安裝於潤滑管理容易及通風良好的位置。
2. 本機適用於周圍溫度 50°C 以下之環境下運轉，其最立容許溫升為常溫+55°C。
3. 非水平安裝的容許傾斜角度如下圖，使用時並注意油面計及排油栓的位置是否適當，或洽詢本公司。
4. 安裝時，被動軸應盡量避免承受衝擊、振動、軸向推力等。
5. 注意安裝是否牢固，軸心與軸心間是否平行，直接配合時軸心是否成一直線。
6. EUR 變速機輸出軸轉向與輸入軸轉向相同。

## 二. 運轉操作

1. 變速機靜止時（馬達無運轉狀態），請勿轉動操作把手，避免造成送電後機件損傷。
2. 起動前請先檢查油量是否到達油鏡中央位置。油量過多會使機溫過高及產生溢油現象；油量過少則會使機件磨損。
3. 請勿超負載使用，以免產生振動致使游星片損耗或破裂。
4. 最高負載起動電流請勿超過正常使用的四倍。
5. 全負荷使用之場合，起動時，請盡量採用低速度起動
6. 變換速度時請注意操作把手高速低速之指示方向。
7. 當把手轉至最低速或最高速後請即停止轉動，切勿再用力旋轉以免損壞機件。
8. 油質的好壞、油質的黏度、周圍溫度之變化均會影響本機壽命。油性的黏度常因周圍溫度之變化而有所改變，至於使用何種潤滑油請參考下列使用潤滑油一覽表。

## 三. 換油指示

1. 潤滑油的品質關係著變速機的壽命，請定期換油（不是加油）。
2. 第一次換油時間為使用 500 小時。
3. 爾後每使用 1500 小時更換一次。

產品名稱	周圍溫度	潤滑油名稱	
EUR 變速機	-10°C	ESSO	A.T.F. DEXRON
	I	MOBIL	A.T.F. 220
	50°C	SHELL	A.T.F. DEXRON
		中國石油	自動變速器油 DEXRON II

框號/Type	安裝方式/Mounting position (公升)		
	B3-B5-B6	V1-V5	V3-V6
002/003	0.13	0.27	0.25
005/008/010A	0.19	0.42	0.32
010/011/020A	0.38	0.90	0.50
020/022	0.75	1.60	0.85
030/040	1.30	2.50	2.00
050/055	1.30	2.50	2.00
075/100/110	2.26	3.90	3.70