

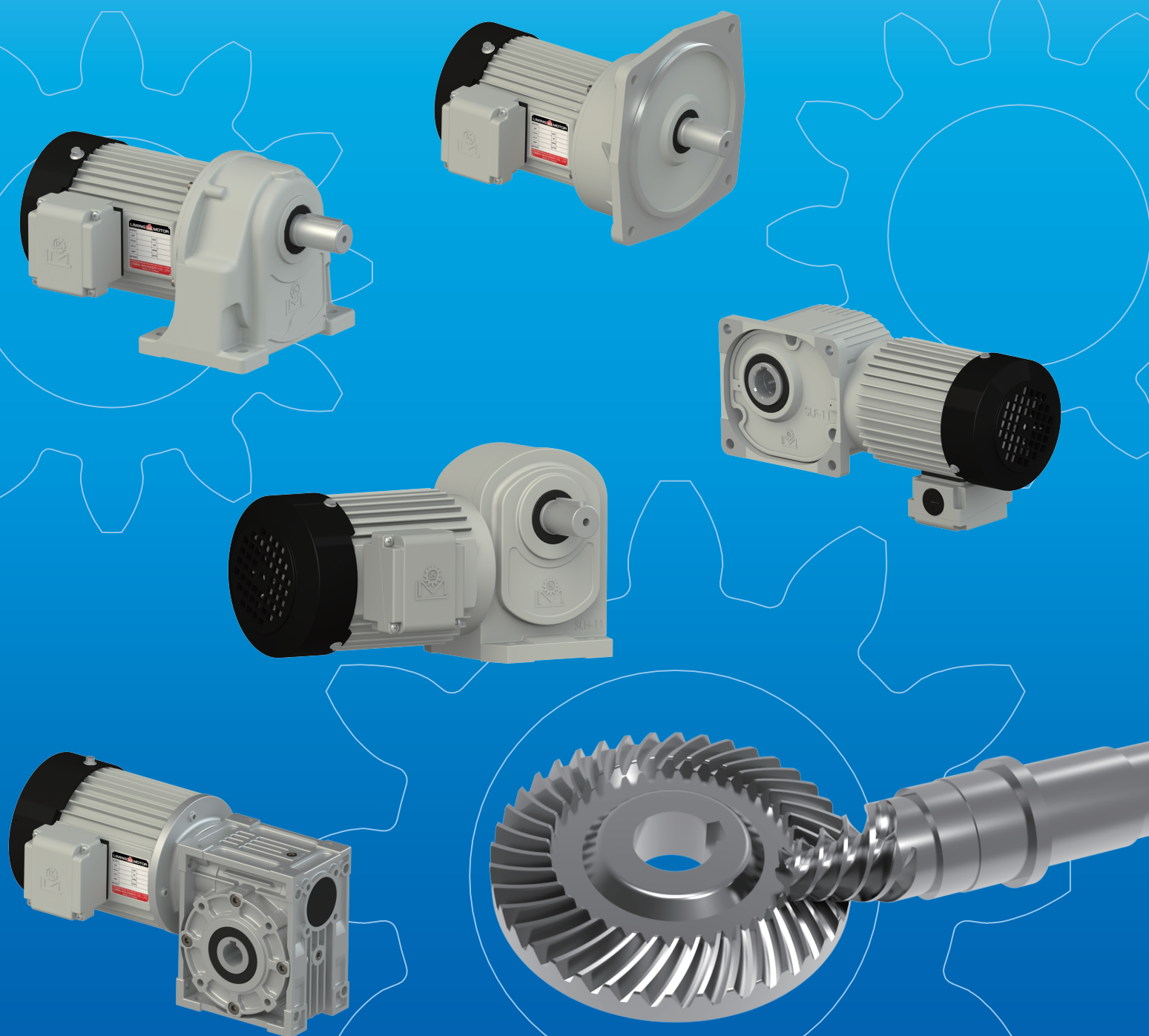
2018



小型齒輪減速機

SMALL GEAR REDUCER

小型齒輪減速機

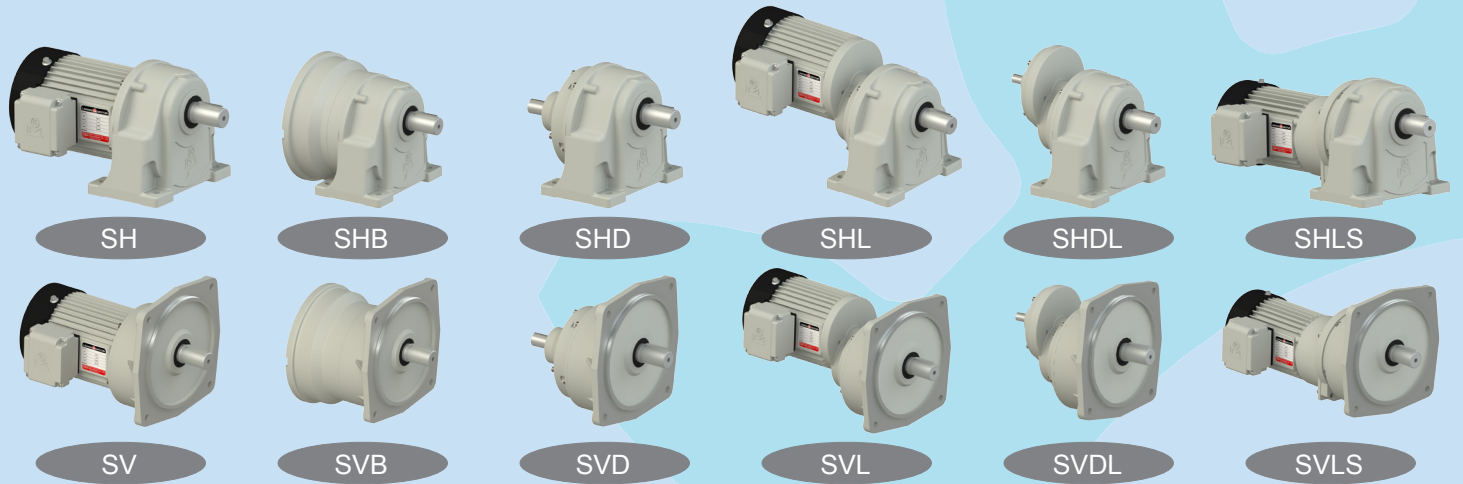


HYPOID GEAR

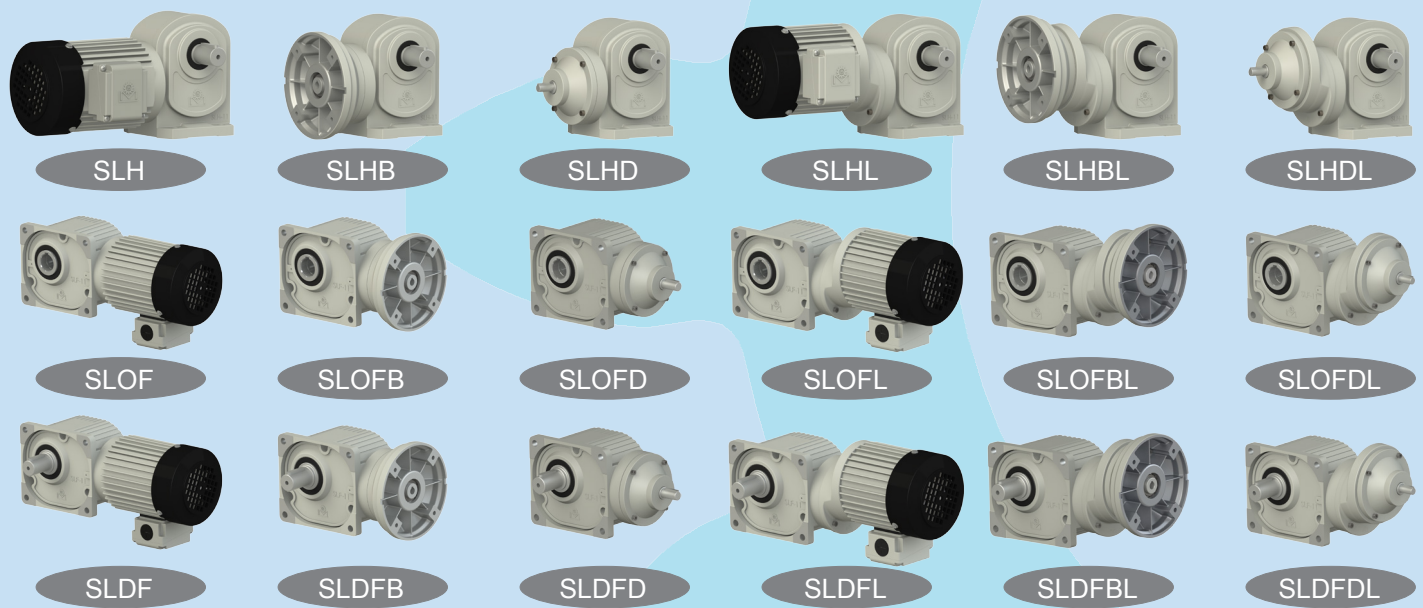
2018

LIMING REDUCERS

小型齒輪減速機系列 SMALL GEAR REDUCER



小型戟齒輪減速機系列 SMALL HYPOID GEAR REDUCER



小型蝸輪減速機系列 SMALL WORM REDUCER



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訂貨須知

Your Order Shall Kindly Specify

■ 機種、型號、馬力	■ Type, model and horsepower
■ 減速比或每分鐘回轉數	■ Reduction gear ratio or rpm
■ 回轉方向和出力軸配置	■ Rotating direction and position of output shaft
■ 荷重狀況及聯結方式	■ Load and connecting method
■ 數量及被安裝的機械名稱	■ Quantity and the kind of machine applied
■ 入力方式和入力轉速	■ Input method and rpm

馬達 kW 選定表扭力曲線圖

Motor kW Selection Table Torque Curve Drawing

- (1) 本選定表系針對標準馬達（低壓三相全密式感應電動機，E 級絕緣）使用而言，對於起動頻繁、變動負載或衝擊負載等特殊負載條件者，不在此限。
- (2) 馬達所需 kW 以 $\frac{\text{必要負載轉矩}}{\text{效率}}$ 計算所得決定之
- 減速機效率 2 段減速時為 95%，3 段減速時為 92%。
 - 必要負載轉矩，如為變動負載以其等值轉矩表示之，如負載變動循環不明時，以最大轉矩使用之。
 - 一般對起動轉矩不予考慮。

選用例：

60Hz 地區所需低速軸回轉數 60RPM 負載最大轉矩 6kg-m

$$\frac{\text{負載轉矩}}{\text{效率}} = \frac{6}{0.95} = 6.3\text{Kg-m}$$

負載轉矩 6.3kg-m 之橫線與 60RPM 之垂直線之交點可得知馬達使用 0.4kW

計算值：

$$\text{馬達} kW = \frac{6.3 \times 60}{974} = 0.39kW$$

0.39kW，可選用 1/2HP 馬達

$$\text{減速比} = \frac{\text{出力轉數}}{\text{馬達轉數}} = \frac{60}{1800} = \frac{1}{30}$$

(1) This selection table is for standard motor (low voltage 3-phase fully-enclosed induction motor, E class insulation). But it is exclusive for the conditions of frequent starting.

(2) kW required by the motor shall be decided from the calculation of

$$\frac{\text{Necessary Loading Torque}}{\text{Reducing Efficiency}}$$

● The reducing efficiency of 2-stage reducer is 95%, and the reducing efficiency of 3-stage reduce is 92%.

● Necessary loading torque, if the change loading is indicated by its equivalent value or if loading change cycle is unclear, please use the maximum torque.

● In general, start torque won't be considered.

Example Of Selection:

60Hz district, low speed shaft required is 60 RPM, Maximum torque 6kg-m.

$$\frac{\text{Loading Torque}}{\text{Efficiency}} = \frac{6}{0.95} = 6.3\text{Kg-m}$$

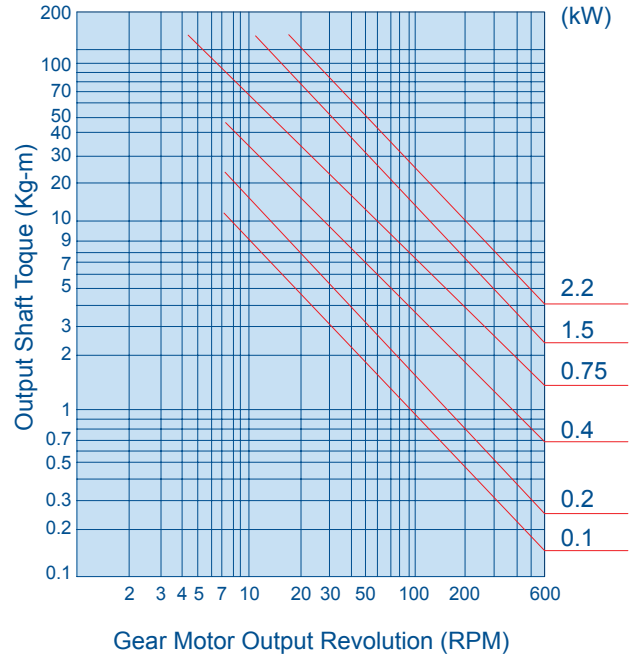
From the cross point of the cross line of loading torque 6.3kg-m and the vertical line of 60RPM, we know the motor applied is 0.4kW.

Calculation value:

$$\text{Motor} kW = \frac{6.3 \times 60}{974} = 0.39kW$$

0.39kW can select to use of 1/2HP motor.

$$\text{Reducing Ratio} = \frac{\text{Output Revolving Speed}}{\text{Motor RPM}} = \frac{60}{1800} = \frac{1}{30}$$



齒輪減速機性能表

Gear Reducer Performance Chart

減速比 Gear Ratio	出力軸回轉數 Output Shaft (RPM)		出力軸容許值 Permissible Value for Output Shaft																	
	50Hz	60Hz	0.1kW		0.2kW		0.4kW		0.75kW		1.5kW		2.2kW							
			Model	50Hz Kg-m	60Hz Kg-m	Model	50Hz Kg-m	60Hz Kg-m	Model	50Hz Kg-m	60Hz Kg-m	Model	50Hz Kg-m	60Hz Kg-m	Model	50Hz Kg-m	60Hz Kg-m			
1/3	465	570	10	0.17	0.13	10	0.3	0.25	11	0.75	0.6	12	1.6	1	12	2.5	2	13	4.0	3.5
1/5	300	360		0.3	0.25		0.6	0.5		1.2	1		2.3	1.9		4.5	3.7		6.7	5.6
1/10	150	180		0.6	0.5		1.2	1		2.4	2		4.5	3.8		9.0	7.5		13.4	11.2
1/15	100	120		0.9	0.75		1.8	1.5		3.6	3		6.9	5.7		13.6	11.3		20.0	16.8
1/20	75	90		1.2	1		2.4	2.0		4.8	4		9.1	7.5		18.0	15.1		26.8	22.4
1/25	60	72		1.5	1.2		3.0	2.5		6.0	5		11.3	9.4		22.6	18.9		33.6	28
1/30	50	60		1.8	1.5		3.6	3.0		7.2	6		13.6	11.3		27.2	22.6		40.0	33
1/40	37.5	45		2.3	1.9		4.6	3.9		9.3	7.8		17.5	14.6		35.0	29.1		52.0	43
1/50	30	36		2.9	2.4		5.8	4.8		11.6	9.7		21.9	18.3		43.7	36.4		65.0	54
1/60	25	30		3.5	2.9		7.0	5.8		14.0	11.6		26.3	21.9		52.0	43		-	67
1/75	20	24	4.4	3.6	8.7	7.3	17.5	14.6	32.9	27.4	66.0	55	-	84						
1/100	15	18	5.8	4.9	11.6	9.7	23.3	19.4	43.0	36	87.0	73	-	112						
1/120	12.5	15	7.0	5.8	14.0	11.6	28.0	23.3	52.0	43	-	88	-	134						
1/150	10	12	8.7	7.3	17.5	14.6	35.0	29.2	65.0	54	-	110	-	-						
1/200	7.5	9	11.6	9.7	23.0	19.1	43.0	36	78.0	73	-	147	-	-						

齒輪減速機標準馬達規格性能參考值

Specification & Performance Reference Value for Gear Reducer Motor

相數	馬力	周率	電壓	電流	回轉數
PHASE	HP	Hz	V	A	R.P.M
三相 3n	1/8HP(0.1kW)	50/60	220/380	0.7/0.4	1350/1650
	1/4HP(0.2kW)			1.2/0.75	1350/1650
	1/2HP(0.4kW)			2.1/1.3	1380/1680
	1HP(0.75kW)			3.5/2.3	1400/1700
	2HP(1.5kW)			6/3.7	1410/1720
	3HP(2.2kW)			9/6	1410/1720

相數	馬力	周率	電壓	電流	回轉數
PHASE	HP	Hz	V	A	R.P.M
單相 1n	1/8HP(0.1kW)	50/60	110/220	3.4/1.7	1350/1650
	1/4HP(0.2kW)			3.6/1.8	1350/1650
	1/2HP(0.4kW)			7.6/3.8	1350/1650
	1HP(0.75kW)			12/6	1380/1680
	2HP(1.5kW)			28/14	1400/1700

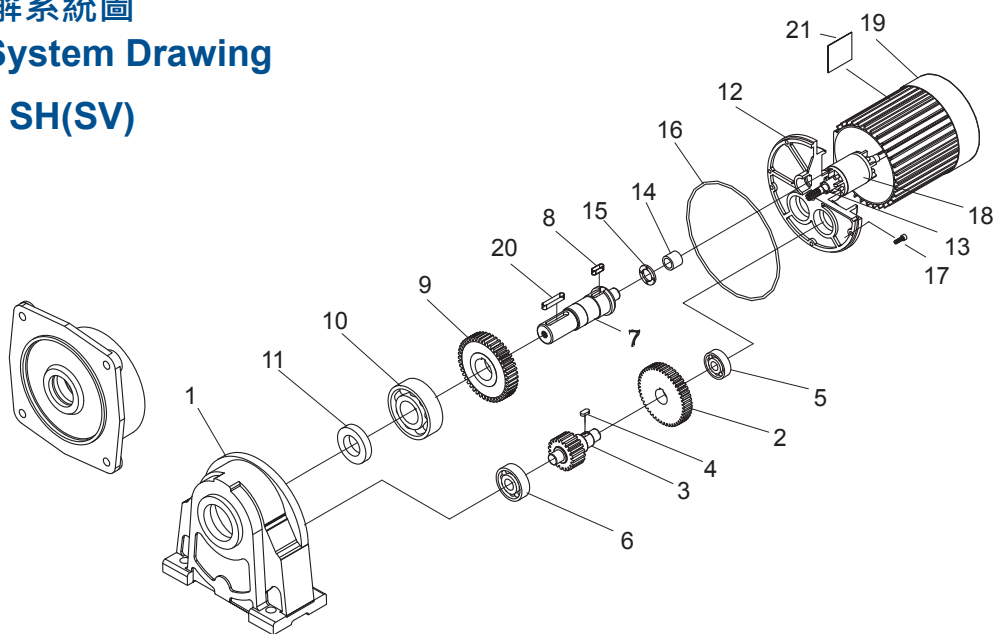
註：1. 指定特殊異電壓，不適用上述規範參考值，另行設計。
2. 實際值依產品銘牌為準。

NOTES:

1. When the need arises to determine the special voltage frequency. Please contact the Li-Ming application engineering team.
2. Please refer to the nameplate to confirm the actual value.

■ 二段式分解系統圖 2-Stage System Drawing

■ MODEL : SH(SV)



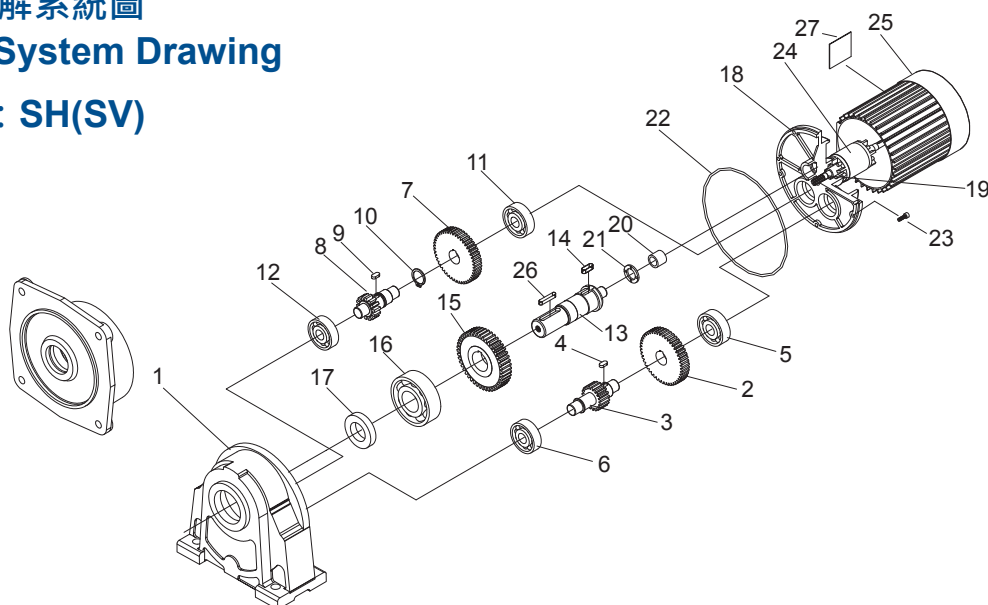
NO.	零件名稱	Name of Parts
1	本體	Body
2	B 齒輪	Gear B
3	C 齒輪	Gear C
4	鍵	Key
5	軸承	Bearing
6	軸承	Bearing
7	出力軸	Output Shaft

NO.	零件名稱	Name of Parts
8	鍵	Key
9	D 齒輪	Gear D
10	軸承	Bearing
11	油封	Oil Seal
12	後蓋	Rear Cover
13	油封	Oil Seal
14	針狀軸承	Needle Bearing

NO.	零件名稱	Name of Parts
15	止推墊片	Washer
16	O 型環	O-Ring
17	固定螺絲	Fixing Screw
18	A 齒輪	Gear A
19	馬達	Motor
20	鍵	Key
21	銘牌	Name Plate

■ 三段式分解系統圖 3-Stage System Drawing

■ MODEL : SH(SV)



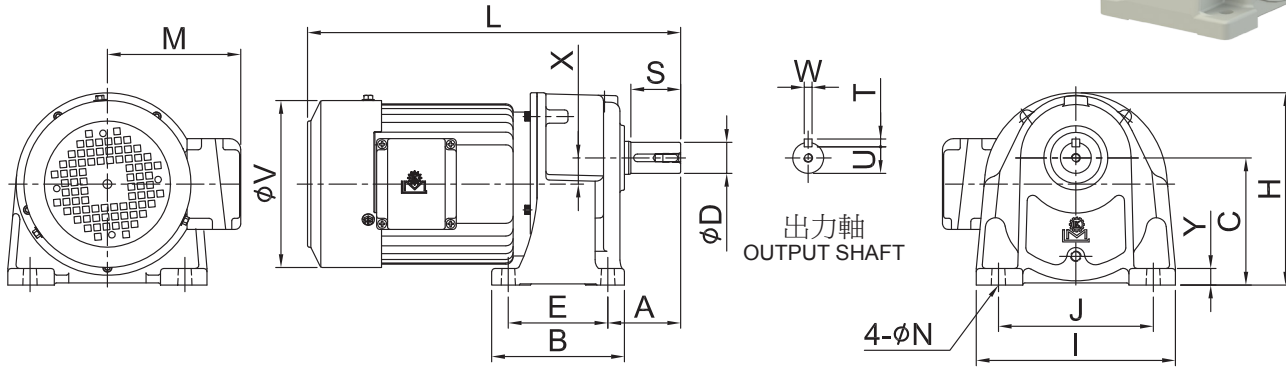
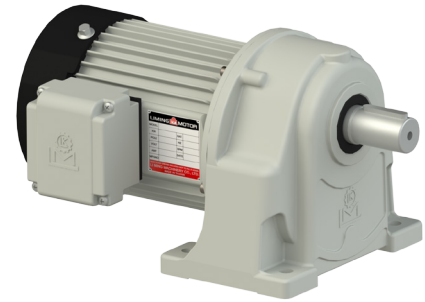
NO.	零件名稱	Name of Parts
1	本體	Body
2	B 齒輪	Gear B
3	E 齒輪	Gear E
4	鍵	Key
5	軸承	Bearing
6	軸承	Bearing
7	F 齒輪	Gear F
8	C 齒輪	Gear C
9	鍵	Key

NO.	零件名稱	Name of Parts
10	扣環	Snap ring
11	軸承	Bearing
12	軸承	Bearing
13	出力軸	Output shaft
14	鍵	Key
15	D 齒輪	Gear D
16	軸承	Bearing
17	油封	Oil seal
18	後蓋	Rear Cover

NO.	零件名稱	Name of Parts
19	油封	Oil seal
20	針狀軸承	Needle Bearing
21	止推墊片	Washer
22	O 型環	O-ring
23	固定螺絲	Fixing screw
24	A 齒輪	Gear A
25	馬達	Motor
26	鍵	Key
27	銘牌	Name plate

■ 臥式減速機
Horizontal Type Reducer

■ MODEL : SH



機種型號表示 Indication of Model Numbers

SH	10	1/3	0.1	A	M6
機型 Type	型號 Model	減速比 Ratio	馬力 Horse Power	馬達 Motor	標準品出力軸攻牙 Standard Output Axle Threading
SH	10	1/3	0.1 kW	A: 三相 3-Phase	10#: M6
SHD	11	~	0.2 kW	B: 剎車 Brake	11#: M6
SHB	12	1/2000	0.4 kW	C: 特殊 Special	12#: M8
	13		0.75 kW	S: 單相 Single Phase	13#: M10
	14	※	1.5 kW		14#: M12
	15		2.2 kW		15#: M16
					* 特殊品及其他除外

※ 表中減速比以公稱速比，如需實際速比，請另告知。The reduction ration in the table are nominal ratios. Please contact us if your need actual ratios.

unit: m/m

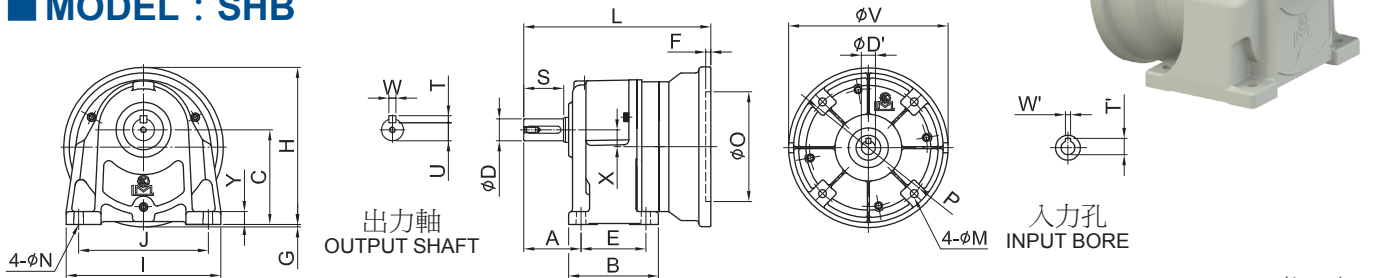
馬力 Horse Power	型號 Model	減速比 Ratio	A	E	B	J	I	C	H	Y	N	X	L	M	V	出力軸 Output Shaft					重量 Weight (KG)
																D	S	W	T	U	
1/8HP (0.1kW)	10	1/3~1/50 (1/60~1/200)	46	40	65	110	135	85	129	12	9	17	280	108	123	18	30	5	5	15	5
	11	1/6~1/200	57	65	90	130	155	95	145	13	9	17	305	108	123	22	40	7	7	18	7
1/4HP (0.2kW)	10	1/3~1/30 (1/40~1/155)	46	40	65	110	135	85	129	12	9	17	295	115	137	18	30	5	5	15	8
	11	1/3~1/90 (1/95~1/155)	57	65	90	130	155	95	145	13	9	17	315	115	137	22	40	7	7	18	10
	12	1/35~1/200	66	90	120	140	180	115	175	15	11	23	330	115	137	28	45	7	7	24	11
1/2HP (0.4kW)	11	1/3~1/30 (1/35~1/120)	57	65	90	130	155	95	145	13	9	17	325	121	151	22	40	7	7	18	12
	12	1/3~1/90 (1/100~1/200)	66	90	120	140	180	115	175	15	11	23	340	121	151	28	45	7	7	24	13
	13	1/25~1/200	78	130	165	170	210	130	205	18	13	26	365	121	151	32	55	10	8	27	16
1HP (0.75kW)	12	1/3~1/30 (1/40~1/130)	66	90	120	140	180	115	175	15	11	23	360	128	163	28	45	7	7	24	16
	13	1/3~1/90 (1/100~1/165)	78	130	165	170	210	130	205	18	13	26	385	128	163	32	55	10	8	27	19
	14	1/35~1/180 (1/200)	95	150	195	210	255	150	240	20	15	28	430	128	163	40	65	10	8	35	44
2HP (1.5kW)	12	(1/2.5~1/60)	66	90	120	140	180	115	175	15	11	23	395	138	181	28	45	7	7	24	25
	13	1/3~1/25 (1/30~1/130)	78	130	165	170	210	130	205	18	13	26	425	138	181	32	55	10	8	27	28
	14	1/30~1/90 (1/100~1/170)	95	150	195	210	255	150	240	20	15	28	465	138	181	40	65	10	8	35	46
	15	1/80~1/150 (1/170~1/200)	112	170	225	265	330	185	295	25	19	38	500	138	181	50	80	14	9	44.5	46
3HP (2.2kW)	13	(1/3~1/80)	78	130	165	170	210	130	205	18	13	26	465	138	181	32	55	10	8	27	28
	14	1/25~1/50 (1/60~1/170)	95	150	195	210	255	150	240	20	15	28	505	138	181	40	65	10	8	35	46
	15	1/30~1/85 (1/90~1/100)	112	170	225	265	330	185	295	25	19	38	550	138	181	50	80	14	9	44.5	56

- 注：
- 表中 () 內數字系表示輕荷重使用。
 - 表中重量以配合三相 4P 馬達為主，其它單相、剎車、直流、特殊等馬達重量另訂。
 - 表中 L、LL 內數字以三相 (剎車) 馬達為主，其它特殊馬達另訂。
 - 馬達單頻、單雙電壓依設計所須另訂。
 - 以上數值若有變更，恕不另行通知。

- NOTE:
- Values shown in parenthesis () are used for light loading.
 - Weights shown in the above chart are based on 3-phase 4P motors, weights for single phase, brake, DC, or special motor shall be referred to specific values.
 - Values shown in "L" & "LL" column are based on 3-phase (brake) motor, other special motor refer to specific motor refer to specific values.
 - When the need arises to determine the special voltage frequency for single phase, please contact the LI-MING application engineering team.
 - Above specifications are subject to change without prior notice.

■ 臥式馬達自裝式減速機
Horizontal Motor-Driver Reducer

■ MODEL : SHB

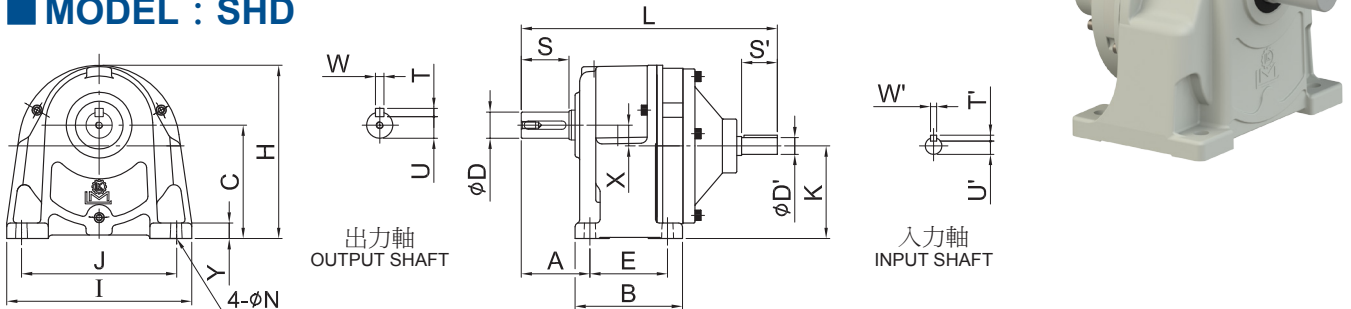


unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	A	E	B	J	I	C	H	Y	G	N	X	L	F	O	P	M	V	出力軸 Output Shaft					入力孔 Input Bore			重量 Weight (KG)
																				D	S	W	T	U	D'	W'	T'	
1/8HP (0.1kW)	11	1/6~1/200	57	65	90	130	155	95	158	13	2.5	9	17	187	5	110	130	8	160	22	40	7	7	18	11	4	12.8	6
	10	1/3~1/30 (1/40~1/155)	46	40	65	110	135	85	148	12	12.4	9	17	161	5	110	130	8	160	18	30	5	5	15	11	4	12.8	3
1/4HP (0.2kW)	11	1/3~1/90 (1/95~1/155)	57	65	90	130	155	95	158	13	2.5	9	17	187	5	110	130	8	160	22	40	7	7	18	11	4	12.8	6
	12	1/35~1/200	66	90	120	140	180	115	174	15	-	11	23	207	5	110	130	8	162	28	45	7	7	24	11	4	12.8	7
	11	1/3~1/30 (1/35~1/120)	57	65	90	130	155	95	158	13	2.5	9	17	187	5	110	130	8	160	22	40	7	7	18	14	5	16.3	5
1/2HP (0.4kW)	12	1/3~1/90 (1/100~1/200)	66	90	120	140	180	115	174	15	-	11	23	207	5	110	130	8	162	28	45	7	7	24	14	5	16.3	7
	13	1/25~1/200	78	130	165	170	210	130	205	18	-	13	26	234	5	110	130	8	162	32	55	10	8	27	14	5	16.3	10
	12	1/3~1/30 (1/40~1/130)	66	90	120	140	180	115	191	15	9	11	23	222	5	130	165	10	200	28	45	7	7	24	19	6	21.8	6
1HP (0.75kW)	13	1/3~1/90 (1/100~1/165)	78	130	165	170	210	130	205	18	-	13	26	249	5	130	165	10	200	32	55	10	8	27	19	6	21.8	10
	14	1/35~1/180 (1/200)	95	150	195	210	255	150	240	20	-	15	28	292	5	130	165	10	200	40	65	10	8	35	19	6	21.8	34
	12	(1/2.5~1/60)	66	90	120	140	180	115	191	15	9	11	23	232	5	130	165	10	200	28	45	7	7	24	24	8	27.3	7
2HP (1.5kW)	13	1/3~1/25 (1/30~1/130)	78	130	165	170	210	130	205	18	-	13	26	259	5	130	165	10	200	32	55	10	8	27	24	8	27.3	10
	14	1/30~1/90 (1/100~1/170)	95	150	195	210	255	150	240	20	-	15	28	302	5	130	165	10	200	40	65	10	8	35	24	8	27.3	34
	15	1/80~1/150 (1/170~1/200)	112	170	225	265	330	185	295	25	-	19	38	335	5	130	165	10	200	50	80	14	9	44.5	24	8	27.3	36
3HP (2.2kW)	15	1/30~1/85 (1/90~1/100)	112	170	225	265	330	185	295	25	-	19	38	349	5	180	215	12	250	50	80	14	9	44.5	28	8	31.3	36

■ 臥式雙軸式減速機
Horizontal Type Double-Axle Reducer

■ MODEL : SHD

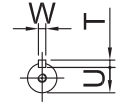
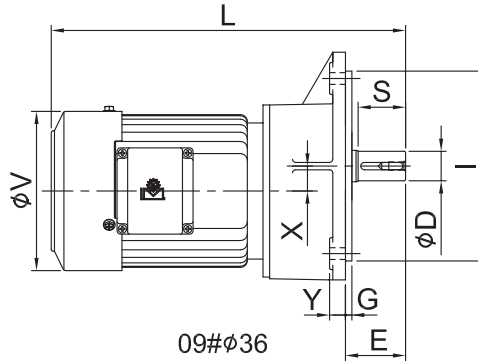
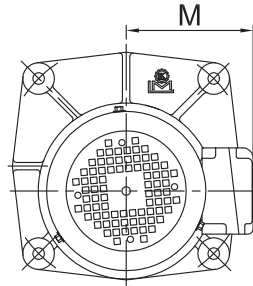
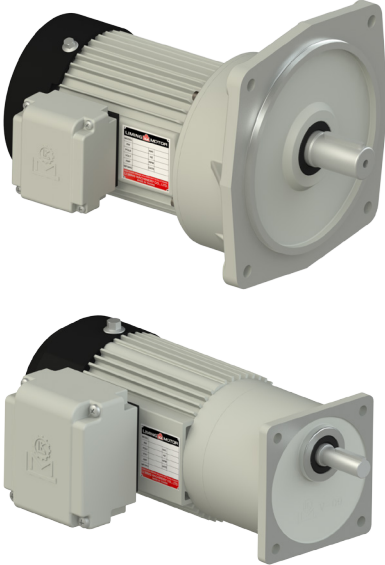


unit: m/m

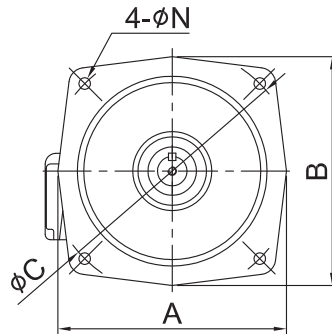
馬力 Horse Power	型號 Model	減速比 Ratio	A	E	B	J	I	C	H	Y	N	X	K	L	出力軸 Output Shaft					入力軸 Input Shaft					重量 Weight (KG)
															D	S	W	T	U	D'	S'	W'	T'	U'	
1/8HP (0.1kW)	10	1/3~1/50 (1/60~1/200)	46	40	65	110	135	85	129	12	9	17	68	167	18	30	5	5	15	11	20	4	4	8.5	3
	11	1/6~1/200	57	65	90	130	155	95	145	13	9	17	78	189	22	40	7	7	18	11	20	4	4	8.5	6
1/4HP (0.2kW)	10	1/3~1/30 (1/40~1/155)	46	40	65	110	135	85	129	12	9	17	68	179	18	30	5	5	15	12	25	4	4	9.5	3
	11	1/3~1/90 (1/95~1/155)	57	65	90	130	155	95	145	13	9	17	78	201	22	40	7	7	18	12	25	4	4	9.5	6
	12	1/35~1/200	66	90	120	140	180	115	175	15	11	23	91	217	28	45	7	7	24	12	25	4	4	9.5	7
1/2HP (0.4kW)	11	1/3~1/30 (1/35~1/120)	57	65	90	130	155	95	145	13	9	17	78	213	22	40	7	7	18	14	30	5	5	11	6
	12	1/3~1/90 (1/100~1/200)	66	90	120	140	180	115	175	15	11	23	91	229	28	45	7	7	24	14	30	5	5	11	7
	13	1/25~1/200	78	130	165	170	210	130	205	18	13	26	104	256	32	55	10	8	27	14	30	5	5	11	10
1HP (0.75kW)	12	1/3~1/30 (1/40~1/130)	66	90	120	140	180	115	175	15	11	23	91	249	28	45	7	7	24	19	35	5	5	16	8
	13	1/3~1/90 (1/100~1/165)	78	130	165	170	210	130	205	18	13	26	104	276	32	55	10	8	27	19	35	5	5	16	11
	14	1/35~1/180 (1/200)	95	150	195	210	255	150	240	20	15	28	122	319	40	65	10	8	35	19	35	5	5	16	33
2HP (1.5kW)	12	(1/2.5~1/60)	66	90	120	140	180	115	175	15	11	23	91	264	28	45	7	7	24	24	40	7	7	20	8
	13	1/3~1/25 (1/30~1/130)	78	130	165	170	210	130	205	18	13	26	104	291	32	55	10	8	27	24	40	7	7	20	11
	14	1/30~1/90 (1/100~1/170)	95	150	195	210	255	150	240	20	15	28	122	334	40	65	10	8	35	24	40	7	7	20	33
3HP (2.2kW)	15	1/80~1/150 (1/170~1/200)	112	170	225	265	330	185	295	25	19	38	146	367	50	80	14	9	44.5	24	40	7	7	20	34
	14	1/25~1/50 (1/60~1/170)	95	150	195	210	255	150	240	20	15	28	122	334	40	65	10	8	35	24	40	7	7	20	33
	15	1/30~1/85 (1/90~1/100)	112	170	225	265	330	185	295	25	19	38	146	396	50	80	14	9	44.5	28	55	7	7	24	34

■ 立式減速機
Vertical Type Reducer

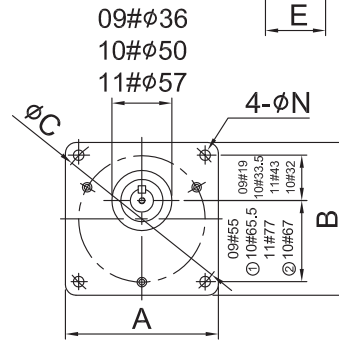
■ MODEL : SV



出力軸
OUTPUT SHAFT



SV(B法蘭面)



SV-A法蘭面

型號Model: 10, 11, 12, 13, 14

1. 型號Model: 09, 10, 11
有凸托架(WITH CONVEX TRAILER)
2. 型號Model: 10
無凸托架(WITHOUT CONVEX TRAILER)

unit: m/m

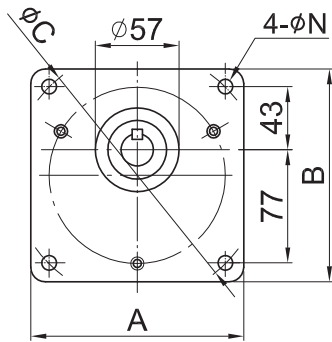
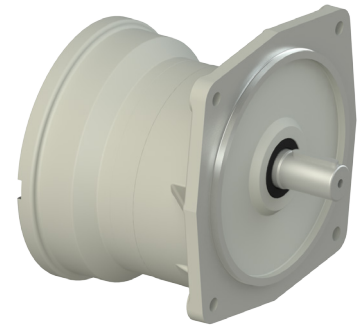
馬力 Horse Power	型號 Model	減速比 Ratio	A	B	C	M	N	I	E	G	Y	X	L	V	出力軸 Output Shaft					重量 Weight (KG)
															D	S	W	T	U	
60W	SV-A09	1/3~1/120 (1/160~1/230)	92	92	104	101	7	-	40	4.5	10.5	18	270	98	12	33	4	4	9.5	4
90W	SV-A09	1/3~1/80 (1/90~1/230)	92	92	104	101	7	-	40	4.5	10.5	18	285	98	15	35	5	5	12	4
1/8HP (0.1kW)	SV-A10	1/3~1/50 (1/60~1/200)	122	122	140	108	9	-	33	-	10	17	280	123	18	30	5	5	15	5
	SV-10		158	158	170	108	9	120	36	3	10	17	280	123	18	30	5	5	15	5
	SV-A11	1/6~1/200	145	145	170	108	11	-	47	4	12	17	305	123	22	40	7	7	18	7
	SV-11		174	174	185	108	11	140	49	4	12	17	305	123	22	40	7	7	18	7
1/4HP (0.2kW)	SV-A10	1/3~1/30 (1/40~1/155)	122	122	140	115	9	-	33	-	10	17	295	137	18	30	5	5	15	5
	SV-10		158	158	170	115	9	120	36	3	10	17	295	137	18	30	5	5	15	8
	SV-A11	1/3~1/90 (1/95~1/155)	145	145	170	115	11	-	47	4	12	17	315	137	22	40	7	7	18	10
	SV-11		174	174	185	115	11	140	49	4	12	17	315	137	22	40	7	7	18	10
	12	1/35~1/200	217	217	235	115	11	180	57	6	15	23	330	137	28	45	7	7	24	11
1/2HP (0.4kW)	SV-A11	1/3~1/30 (1/35~1/120)	145	145	170	121	11	-	47	4	12	17	325	151	22	40	7	7	18	12
	SV-11		174	174	185	121	11	140	49	4	12	17	325	151	22	40	7	7	18	12
	12	1/3~1/90 (1/100~1/200)	217	217	235	121	11	180	57	6	15	23	340	151	28	45	7	7	24	13
1HP (0.75kW)	12	1/25~1/200	250	250	280	121	13	220	65	5	17	26	365	151	32	55	10	8	27	16
	12	1/3~1/30 (1/40~1/130)	217	217	235	128	11	180	57	6	15	23	360	163	28	45	7	7	24	16
	13	1/3~1/90 (1/100~1/165)	250	250	280	128	13	220	65	5	17	26	385	163	32	55	10	8	27	19
2HP (1.5kW)	14	1/35~1/180 (1/200)	260	276	310	128	18	230	77	5	20	28	430	163	40	65	10	8	35	44
	12	(1/2.5~1/60)	217	217	235	138	11	180	57	6	15	23	395	181	28	45	7	7	24	25
	13	1/3~1/25 (1/30~1/130)	250	250	280	138	13	220	65	5	17	26	425	181	32	55	10	8	27	28
3HP (2.2kW)	14	1/30~1/90 (1/100~1/170)	260	276	310	138	18	230	77	5	20	28	465	181	40	65	10	8	35	46
	13	(1/3~1/80)	250	250	280	138	13	220	65	5	17	26	465	181	32	55	10	8	27	28
	14	1/25~1/50 (1/60~1/170)	260	276	310	138	18	230	77	5	20	28	505	181	40	65	10	8	35	46

注：
1. 表中 () 內數字系表示輕荷重使用。
2. 表中重量以配合三相 4P 馬達為主，其它單相、剎車、直流、特殊等馬達重量另訂。
3. 表中 L、LL 內數字以三相 (剎車) 馬達為主，其它特殊馬達另訂。
4. 馬達頻、單雙電壓依設計所須另訂。
5. 以上數值若有變更，恕不另行通知。

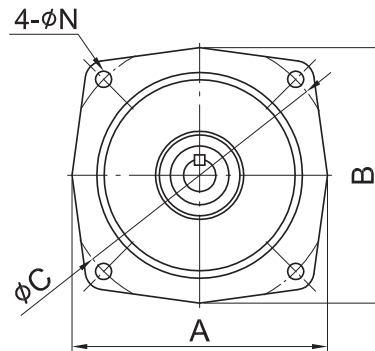
NOTE:
1. Values shown in parenthesis () are used for light loading.
2. Weights shown in the above chart are based on 3-phase 4P motors, weights for single phase, brake, DC, or special motor shall be referred to specific values.
3. Values shown in "L" & "LL" column are based on 3-phase (brake) motor, other special motor refer to specific values.
4. When the need arises to determine the special voltage frequency for single phase, please contact the LI-MING application engineering team.
5. Above specifications are subject to change without prior notice.

■ 立式馬達插入式減速機
Vertical Motor-Driven Reducer

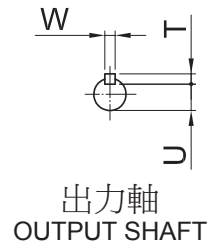
■ MODEL : SVB



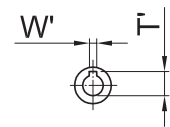
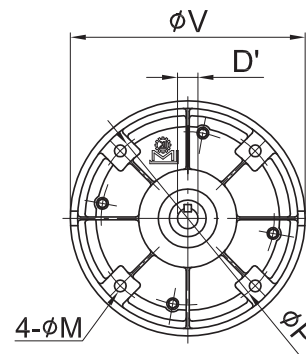
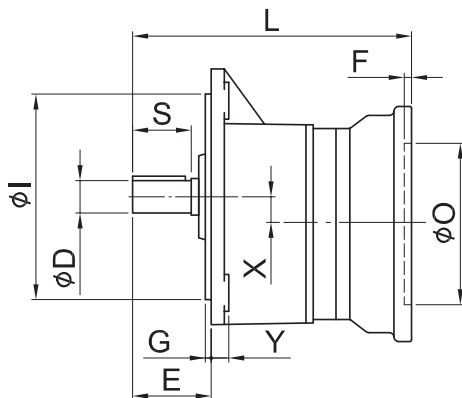
SVB-A法蘭面
型號Model:11



SVB(B法蘭面)
型號Model:11,12,13,14



出力軸
OUTPUT SHAFT



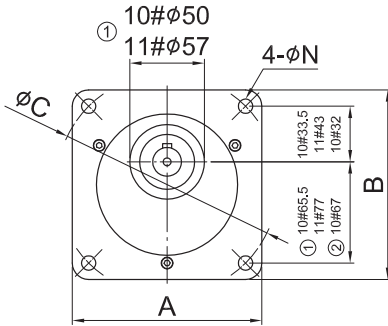
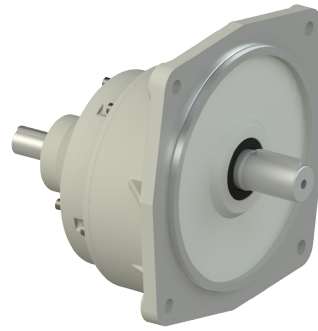
入力孔
INPUT BORE

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	A	B	C	N	I	E	G	Y	X	L	F	O	P	M	V	出力軸 Output Shaft					入力孔 Input Bore			重量 Weight (KG)
																		D	S	W	T	U	D'	W'	T'	
1/8HP (0.1kW)	SVB-A11	1/6~1/200	145	145	170	11	-	47	4	12	17	187	5	110	130	8	160	22	40	7	7	18	11	4	12.8	6
	SVB-11		174	174	185	11	140	49	4	12	17	187	5	110	130	8	160	22	40	7	7	18	11	4	12.8	6
1/4HP (0.2kW)	SVB-A10	1/3~1/30 (1/40~1/155)	122	122	140	9	-	33	-	10	17	161	5	110	130	8	160	18	30	5	5	15	11	4	12.8	3
	SVB-10		158	158	170	9	120	36	3	10	17	161	5	110	130	8	160	18	30	5	5	15	11	4	12.8	3
	SVB-A11	1/3~1/90 (1/95~1/155)	145	145	170	11	-	47	4	12	17	187	5	110	130	8	160	22	40	7	7	18	11	4	12.8	6
	SVB-11		174	174	185	11	140	49	4	12	17	187	5	110	130	8	160	22	40	7	7	18	11	4	12.8	6
	12	1/35~1/200	217	217	235	11	180	57	6	15	23	207	5	110	130	8	162	28	45	7	7	24	11	4	12.8	7
1/2HP (0.4kW)	SVB-A11	1/3~1/30 (1/35~1/120)	145	145	170	11	-	47	4	12	17	187	5	110	130	8	160	22	40	7	7	18	14	5	16.3	5
	SVB-11		174	174	185	11	140	49	4	12	17	187	5	110	130	8	160	22	40	7	7	18	14	5	16.3	5
	12	1/3~1/90 (1/100~1/200)	217	217	235	11	180	57	6	15	23	207	5	110	130	8	162	28	45	7	7	24	14	5	16.3	7
	13	1/25~1/200	250	250	280	13	220	65	5	17	26	234	5	110	130	8	162	32	55	10	8	27	14	5	16.3	10
1HP (0.75kW)	12	1/3~1/30 (1/40~1/130)	217	217	235	11	180	57	6	15	23	222	5	130	165	10	200	28	45	7	7	24	19	6	21.8	6
	13	1/3~1/90 (1/100~1/165)	250	250	280	13	220	65	5	17	26	249	5	130	165	10	200	32	55	10	8	27	19	6	21.8	10
	14	1/35~1/180 (1/200)	260	276	310	18	230	77	5	20	28	292	5	130	165	10	200	40	65	10	8	35	19	6	21.8	34
2HP (1.5kW)	12	(1/2.5~1/60)	217	217	235	11	180	57	6	15	23	232	5	130	165	10	200	28	45	7	7	24	24	8	27.3	7
	13	1/3~1/25 (1/30~1/130)	250	250	280	13	220	65	5	17	26	259	5	130	165	10	200	32	55	10	8	27	24	8	27.3	10
	14	1/30~1/90 (1/100~1/170)	260	276	310	18	230	77	5	20	28	302	5	130	165	10	200	40	65	10	8	35	24	8	27.3	34

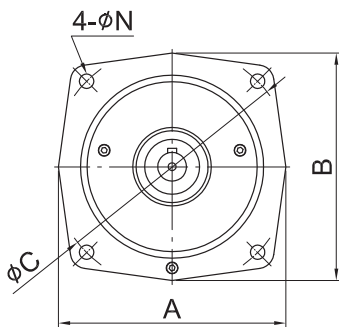
■ 立式雙軸式
Vertical Type Reducer

■ MODEL : SVD



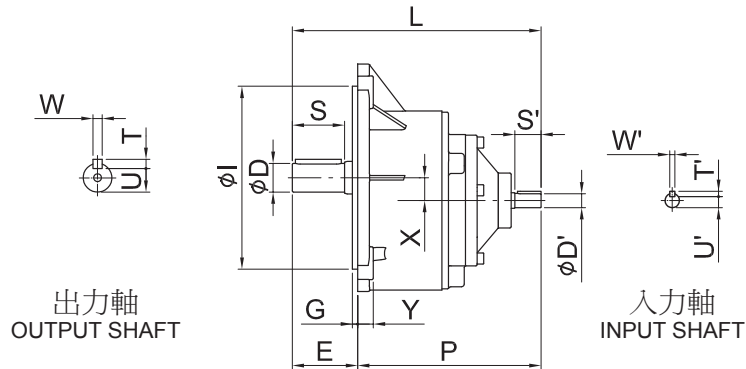
SVD-A法蘭面

- ① 型號Model:09,10,11有凸托架(WITH CONVEX TRAILER)
- ② 型號Model:10無凸托架(WITHOUT CONVEX TRAILER)



SVD-B法蘭面

型號Model:10,11,12,13,14



出力軸
OUTPUT SHAFT

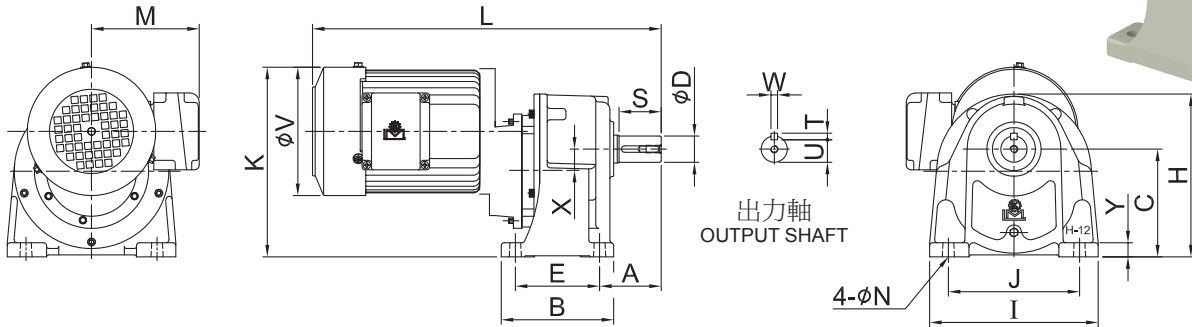
入力軸
INPUT SHAFT

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	A	B	C	N	I	X	G	Y	E	P	L	出力軸 Output Shaft					入力軸 Input Shaft					重量 Weight (KG)
														D	S	W	T	U	D'	S'	W'	T'	U'	
1/8HP (0.1kW)	SVD-A10	1/3~1/50 (1/60~1/200)	122	122	140	9	-	17	-	10	33	134	167	18	30	5	5	15	11	20	4	4	8.5	3
	SVD-10		158	158	170	9	120	17	3	10	36	131	167	18	30	5	5	15	11	20	4	4	8.5	3
	SVD-A11	1/6~1/200	145	145	170	11	-	17	4	12	47	142	189	22	40	7	7	18	11	20	4	4	8.5	6
	SVD-11		174	174	185	11	140	17	4	12	49	140	189	22	40	7	7	18	11	20	4	4	8.5	6
1/4HP (0.2kW)	SVD-A10	1/3~1/30 (1/40~1/155)	122	122	140	9	-	17	-	10	33	146	179	18	30	5	5	15	12	25	4	4	9.5	3
	SVD-10		158	158	170	9	120	17	3	10	36	143	179	18	30	5	5	15	12	25	4	4	9.5	3
	SVD-A11	1/3~1/90 (1/95~1/155)	145	145	170	11	-	17	4	12	47	154	201	22	40	7	7	18	12	25	4	4	9.5	6
	SVD-11		174	174	185	11	140	17	4	12	49	152	201	22	40	7	7	18	12	25	4	4	9.5	6
	12	1/35~1/200	217	217	235	11	180	23	6	15	57	160	217	28	45	7	7	24	12	25	4	4	9.5	7
1/2HP (0.4kW)	SVD-A11	1/3~1/30 (1/35~1/120)	145	145	170	11	-	17	4	15	47	166	213	22	40	7	7	18	14	30	5	5	11	6
	SVD-11		174	174	185	11	140	17	4	12	49	165	213	22	40	7	7	18	14	30	5	5	11	6
	12	1/3~1/90 (1/100~1/200)	217	217	235	11	180	23	6	15	57	172	229	28	45	7	7	24	14	30	5	5	11	7
1HP (0.75kW)	12	1/25~1/200	250	250	280	13	220	26	5	17	65	191	256	32	55	10	8	27	14	30	5	5	11	10
	12	1/3~1/30 (1/40~1/130)	217	217	235	11	180	23	6	15	57	192	249	28	45	7	7	24	19	35	5	5	16	8
	13	1/3~1/90 (1/100~1/165)	250	250	280	13	220	26	5	17	65	211	276	32	55	10	8	27	19	35	5	5	16	11
	14	1/35~1/180 (1/200)	260	276	310	18	230	28	5	20	77	242	319	40	65	10	8	35	19	35	5	5	16	34
2HP (1.5kW)	12	(1/2.5~1/60)	217	217	235	11	180	23	6	15	57	207	264	28	45	7	7	24	24	40	7	7	20	8
	13	1/3~1/25 (1/30~1/130)	250	250	280	13	220	26	5	17	65	226	291	32	55	10	8	27	24	40	7	7	20	11
	14	1/30~1/90 (1/100~1/170)	260	276	310	18	230	28	5	20	77	257	334	40	65	10	8	35	24	40	7	7	20	34
3HP (2.2kW)	14	1/25~1/50 (1/60~1/170)	260	276	310	18	230	28	5	20	77	257	334	40	65	10	8	35	24	40	7	7	20	34

■ 臥式多速比減速機 Horizontal High Reduction Gear Reducer

■ MODEL : SHL



最大容許扭力 Max. Permissible Torque					
型號 Model No.	11	12	13	14	15
扭力 Torque kg-m	10	20	40	75	110

unit: m/m

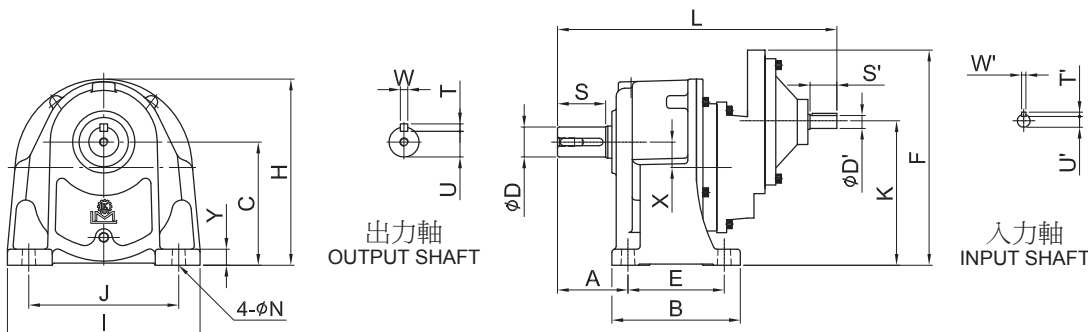
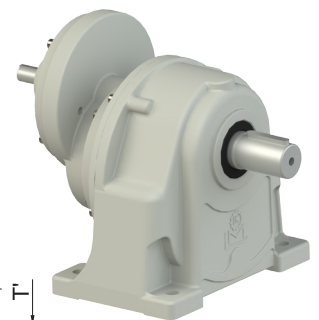
馬力 Horse Power	型號 Model	減速比 Ratio	A	E	B	J	I	C	H	Y	N	X	L	M	V	K	出力軸 Output Shaft					重量 Weight (KG)
																	D	S	W	T	U	
1/8HP (0.1kW)	11	1/200~1/2000	57	65	90	130	155	95	145	13	9	17	350	112	123	180	22	40	7	7	18	12
1/4HP (0.2kW)	12		66	90	120	140	180	115	175	15	11	23	375	118	137	210	28	45	7	7	24	14
1/2HP (0.4kW)	13		78	130	165	170	210	130	205	18	13	26	425	109	151	240	32	55	10	8	27	19
1HP (0.75kW)	14		95	150	195	210	255	150	240	20	15	28	490	114	163	275	40	65	10	8	35	48
2HP (1.5kW)	15	1/280~1/700	112	170	225	265	330	185	295	25	19	38	565	127	181	295	50	80	14	9	44.5	50

注：多速比減速機以定轉速設計，請參考齒箱最大容許扭力。

NOTE: This multistage gear reducer is designed to rotate at fixed speed. Please refer to the maximum allowable torque of the gear box.

■ 臥式多速比雙軸減速機 Horizontal High Gear Reducer

■ MODEL : SHDL



unit: m/m

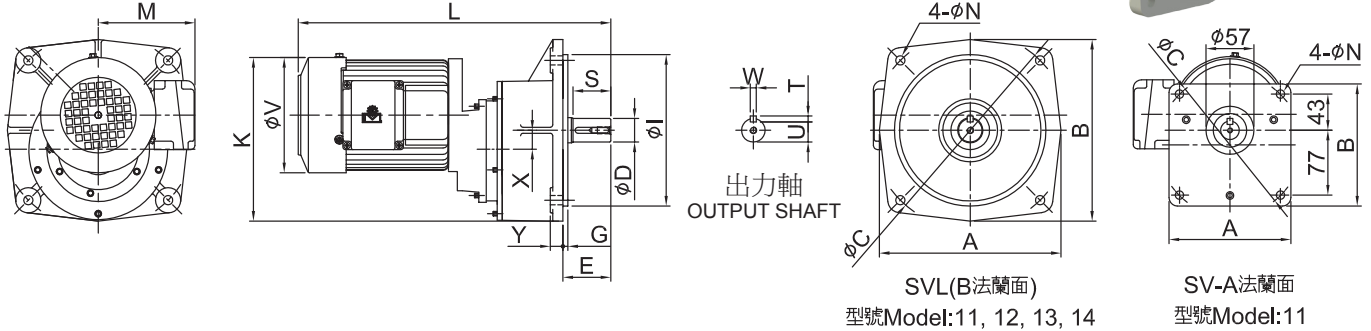
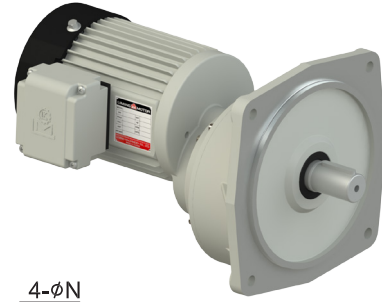
馬力 Horse Power	型號 Model	減速比 Ratio	A	E	B	J	I	C	H	Y	N	X	K	L	F	出力軸 Output Shaft					入力軸 Input Shaft					重量 Weight (KG)
																D	S	W	T	U	D'	S'	W'	T'	U'	
1/8HP (0.1kW)	11	1/200~1/2000	57	65	90	130	155	95	145	13	9	17	114	237	175	22	40	7	7	18	11	20	4	4	8.5	9
1/4HP (0.2kW)	12		66	90	120	140	180	115	175	15	11	23	137	263	205	28	45	7	7	24	12	28	4	4	9.5	10
1/2HP (0.4kW)	13		78	130	165	170	210	130	205	18	13	26	159	315	230	32	55	10	8	27	14	30	5	5	11	13
1HP (0.75kW)	14		95	150	195	210	255	150	240	20	15	28	188	380	265	40	65	10	8	35	19	35	5	5	16	34
2HP (1.5kW)	15	1/280~1/700	112	170	225	265	330	185	295	25	19	38	201	432	289	50	80	14	9	44.5	24	40	7	7	20	36

注：多速比減速機以定轉速設計，請參考齒箱最大容許扭力。

NOTE: This multistage gear reducer is designed to rotate at fixed speed. Please refer to the maximum allowable torque of the gear box.

立式多速馬達減速機
Vertical High Reduction Gear Reducer

MODEL : SVL



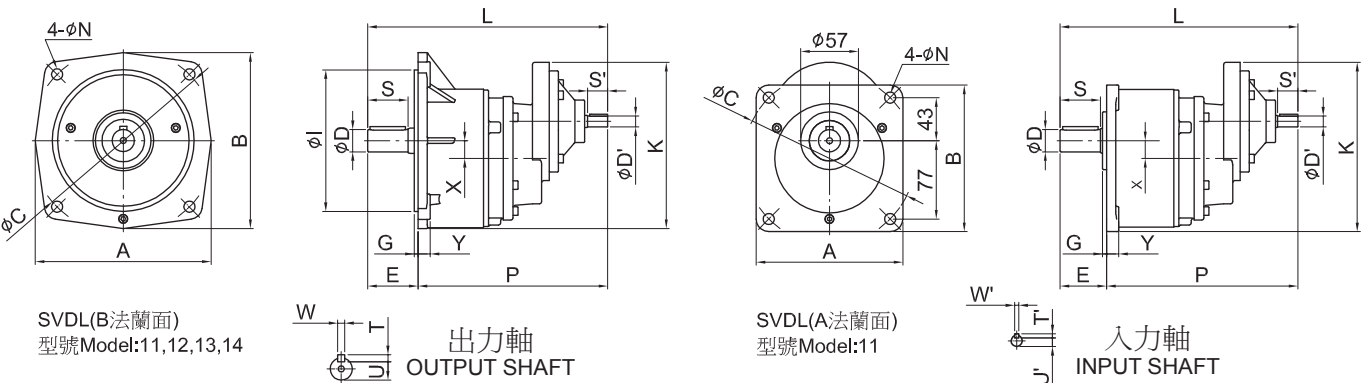
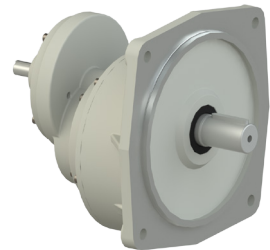
unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	A	B	C	M	N	I	E	G	Y	X	L	V	K	出力軸 Output Shaft					重量 Weight (KG)
																D	S	W	T	U	
1/8HP (0.1kW)	SVL-A11	1/200~1/2000	145	145	170	112	11	-	47	4	12	17	350	123	175	22	40	7	7	18	12
	SVL-11		174	174	185	112	11	140	49	4	12	17	350	123	170	22	40	7	7	18	12
1/4HP (0.2kW)	12		217	217	235	118	11	180	57	6	15	23	375	137	200	28	45	7	7	24	14
1/2HP (0.4kW)	13		250	250	280	109	13	220	65	5	17	26	425	151	235	32	55	10	8	27	19
1HP (0.75kW)	14		260	276	310	114	18	230	77	5	20	28	490	163	265	40	65	10	8	35	48

注：多速比減速機以定轉速設計，請參考齒箱最大容許扭力。
NOTE: This multistage gear reducer is designed to rotate at fixed speed. Please refer to the maximum allowable torque of the gear box.

立式多速雙軸減速機
Vertical High Reduction Double-Axle Gear Reducer

MODEL : SVDL



unit: m/m

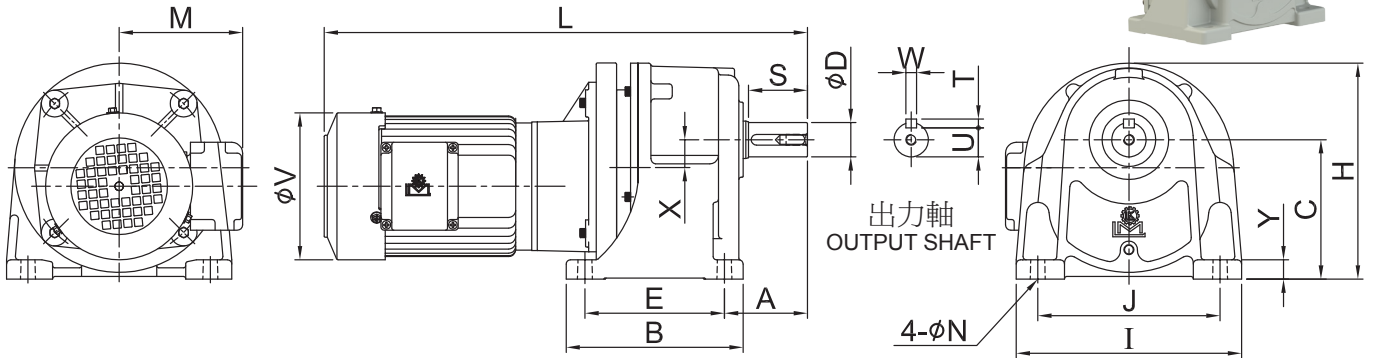
馬力 Horse Power	型號 Model	減速比 Ratio	A	B	C	N	I	X	G	Y	E	P	L	K	出力軸 Output Shaft					入力軸 Input Shaft					重量 Weight (KG)
															D	S	W	T	U	D'	S'	W'	T'	U'	
1/8HP (0.1kW)	SVDL-A11	1/200~1/2000	145	145	170	11	-	17	4	12	47	190	237	167	22	40	7	7	18	11	20	4	4	8.5	9
	SVDL-11		174	174	185	11	140	17	4	12	49	189	237	165	22	40	7	7	18	11	20	4	4	8.5	9
1/4HP (0.2kW)	12		217	217	235	11	180	23	6	15	57	206	263	194	28	45	7	7	24	12	25	4	4	9.5	10
1/2HP (0.4kW)	13		250	250	280	13	220	26	5	17	65	251	316	224	32	55	10	8	27	14	30	5	5	11	13
1HP (0.75kW)	14		260	276	310	18	230	28	5	20	77	303	380	258	40	65	10	8	35	19	35	5	5	16	37

注：多速比減速機以定轉速設計，請參考齒箱最大容許扭力。
NOTE: This multistage gear reducer is designed to rotate at fixed speed. Please refer to the maximum allowable torque of the gear box.

■ 臥式高速比多段減速機

Horizontal High Gear Ratio & Multi-Stage Reducemodel

■ MODEL : SHLS



unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	A	E	B	J	I	C	H	Y	N	X	L	M	V	出力軸 Output Shaft					重量 Weight (KG)
																D	S	W	T	U	
60kW	11	1/2000 以上	57	65	90	130	155	95	145	13	9	17	380	101	98	22	40	7	7	18	10
90kW	11		57	65	90	130	155	95	145	13	9	17	395	101	98	22	40	7	7	18	10
1/8HP (0.1kW)	12		66	90	120	140	180	115	175	15	11	23	415	108	123	28	45	7	7	24	12
1/4HP (0.2kW)	13		78	130	165	170	210	130	205	18	13	26	455	115	137	32	55	10	8	27	18
1/2HP (0.4kW)	14		95	150	195	210	255	150	240	20	15	28	520	121	151	40	65	10	8	35	35
1HP (0.75kW)	15		112	170	225	265	330	185	295	25	19	38	585	128	163	50	80	14	9	44.5	54

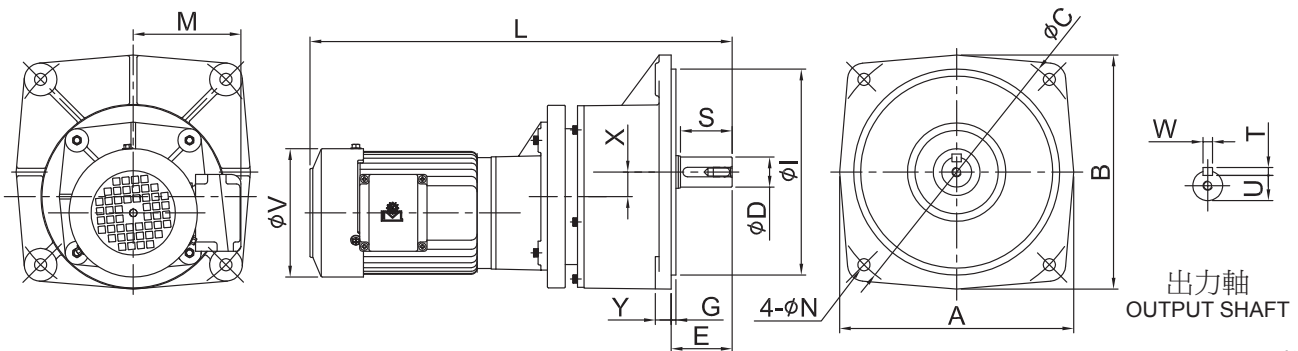
注：多速比減速機以定轉速設計，請參考齒箱最大容許扭力。

NOTE: This multistage gear reducer is designed to rotate at fixed speed. Please refer to the maximum allowable torque of the gear box.

■ 立式高速比多段減速機

Vertical High Gear Ratio & Multi-Stage Reducer

■ MODEL : SVLS



unit: m/m

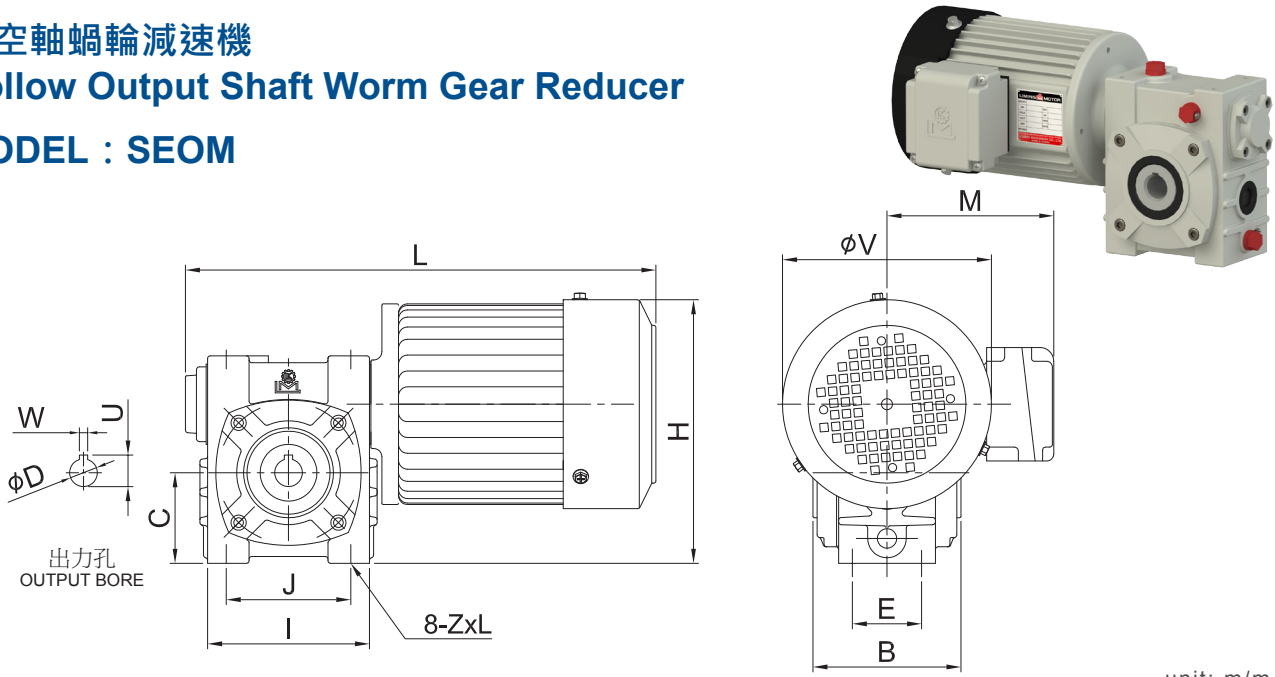
馬力 Horse Power	型號 Model	減速比 Ratio	A	B	C	M	N	I	E	G	Y	X	L	V	出力軸 Output Shaft					重量 Weight (KG)
															D	S	W	T	U	
60kW	SV-A11	1/2000 以上	145	145	170	101	11	-	47	4	12	17	380	98	22	40	7	7	18	10
	SV-11		174	174	185	101	11	140	49	4	12	17	380	98	22	40	7	7	18	10
90kW	SV-A11		145	145	170	101	11	-	47	4	12	17	395	98	22	40	7	7	18	10
	SV-11		174	174	185	101	11	140	49	4	12	17	395	98	22	40	7	7	18	10
1/8HP (0.1kW)	12		217	217	235	108	11	180	57	6	15	23	415	123	28	45	7	7	24	12
1/4HP (0.2kW)	13		250	250	280	115	13	220	65	5	17	26	455	137	32	55	10	8	27	18
1/2HP (0.4kW)	14	260	276	310	121	18	230	77	5	20	28	520	151	40	65	10	8	35	35	

注：多速比減速機以定轉速設計，請參考齒箱最大容許扭力。

NOTE: This multistage gear reducer is designed to rotate at fixed speed. Please refer to the maximum allowable torque of the gear box.

■ 中空軸蝸輪減速機
Hollow Output Shaft Worm Gear Reducer

■ MODEL : SEOM

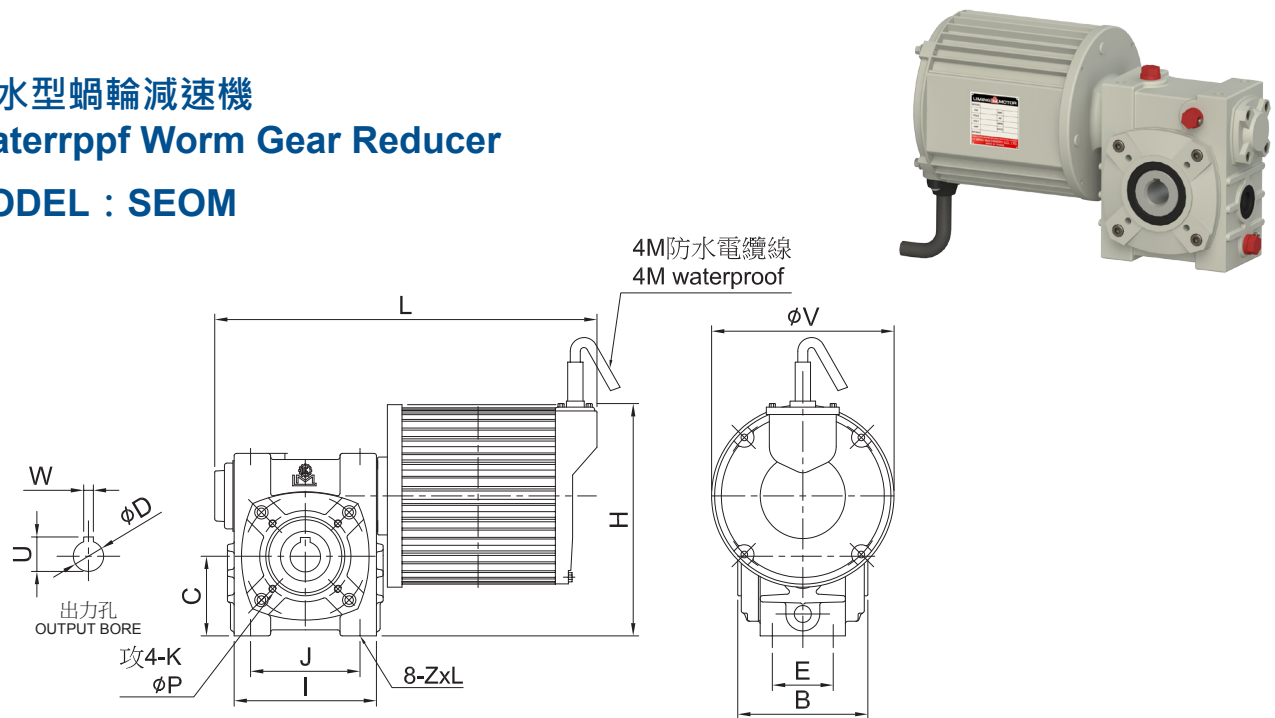


unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	E	B	J	I	C	H	L	M	V	ZxL	出力孔 Output Bore			重量 Weight (KG)
													W	D	U	
1/4HP (0.2kW)	50	1/5~1/60	50	98	90	115	65	185	335	115	137	M8x16	6	20	22.8	13
1/2HP (0.4kW)	50	1/5~1/40(1/50~1/60)	50	98	90	115	65	195	340	121	151	M8x16	6	20	22.8	15
	60	1/5~1/60	55	108	100	125	75	215	355	121	151	M10x18	8	25	28.3	18
1HP (0.75kW)	60	(1/5~1/30)	55	108	100	125	75	220	370	128	163	M10x18	8	25	28.3	20
	70	1/5~1/40(1/50~1/60)	65	128	125	158	85	240	405	128	163	M10x18	8	30	33.3	24

■ 防水型蝸輪減速機
Waterrppf Worm Gear Reducer

■ MODEL : SEOM

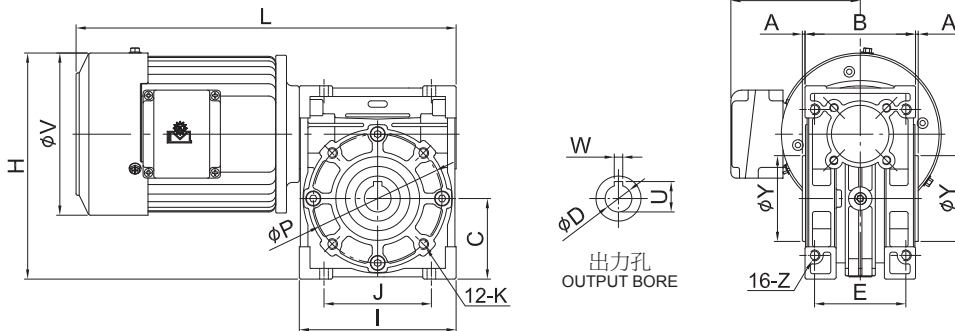
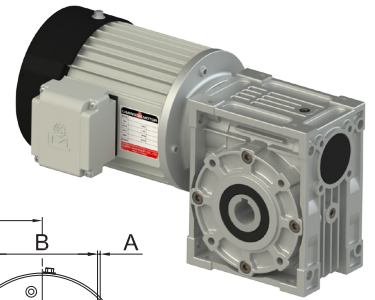


unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	E	B	J	I	C	H	L	V	K	P	ZxL	出力孔 Output Bore			重量 Weight (KG)
														W	D	U	
1/2HP (0.4kW)	50	1/5~1/40(1/50~1/60)	50	107	90	115	65	190	315	150	M6	76	M8x16	8	25	28.5	15
1HP (0.75kW)	60	(1/5~1/30)	50	110	100	125	75	210	350	150	M8	92	M10x18	8	30	33.5	20

■ 小型蝸輪減速機
Hollow Output Shaft Worm Gear Reducer

■ MODEL : SNEOM



馬力 Horse Power	型號 Model	減速比 Ratio	A	E	B	J	I	C	H	Y	L	M	V	K	P	Z	出力孔 Output Bore			重量 Weight (KG)
																	W	D	U	
60W	30	1/5~1/60	2	45	60	55	80	40	116	55	240	95	98	M6	65	M6	5	14	16.3	4.7
90W	30	1/5~1/40(1/50~1/60)	2	45	60	55	80	40	116	55	255	95	98	M6	65	M6	5	14	16.3	5
1/8HP (0.1kW)	40	1/5~1/60	2	60	80	70	102	50	155	60	295	108	123	M6	77	M8	6	20	22.8	6.5
1/4HP (0.2kW)	40	1/5~1/50(1/60)	2	60	80	70	102	50	160	60	305	115	137	M6	77	M8	6	20	22.8	8
1/2HP (0.4kW)	40	1/5~1/10(1/20~1/30)	2	60	80	70	102	50	170	60	310	121	151	M6	77	M8	6	20	22.8	9
1/4HP (0.2kW)	50	1/5~1/40(1/50~1/60)	3	70	94	80	120	60	180	70	325	115	137	M6	95	M10	8	25	28.3	9.5
1/2HP (0.4kW)	50	1/5~1/30(1/40~1/60)	3	70	94	80	120	60	190	70	330	121	151	M6	95	M10	8	25	28.3	10.5
1HP (0.75kW)	50	1/5(1/10~1/20)	3	70	94	80	120	60	195	70	350	128	163	M6	95	M10	8	25	28.3	13.5
1/2HP (0.4kW)	60	1/5~1/60	3	85	102	100	146	75	215	80	355	121	151	M8	120	M10	8	25	28.3	12.5
1HP (0.75kW)	60	(1/5~1/40)	3	85	102	100	146	75	220	80	375	128	163	M8	120	M10	8	25	28.3	15.5
2HP (1.5kW)	60	1/5(1/10~1/15)	3	85	102	100	146	75	226	80	425	150	181	M8	120	M10	8	25	28.3	21
1/2HP (0.4kW)	70	1/5~1/60	3	90	118	120	170	85	235	90	385	121	151	M10	140	M10	8	30	33.3	17
1HP (0.75kW)	70	1/5~1/40(1/50~1/60)	3	90	118	120	170	85	240	90	405	128	163	M10	140	M10	8	30	33.3	20
2HP (1.5kW)	70	1/5~1/10(1/15~1/30)	3	90	118	120	170	85	250	90	440	138	181	M10	140	M10	8	30	33.3	25

- 注：
1. 表中 () 內數字系表示輕荷重使用。
2. 表中重量以配合三相 4P 馬達為主，其它單相、剎車、直流、特殊等馬達重量另訂。
3. 表中 L 內數字以三相馬達為主，其它特殊馬達另訂。
4. 馬達單頻，單雙電壓依設計所須另訂。
5. 以上數值若有變更，恕不另行通知。

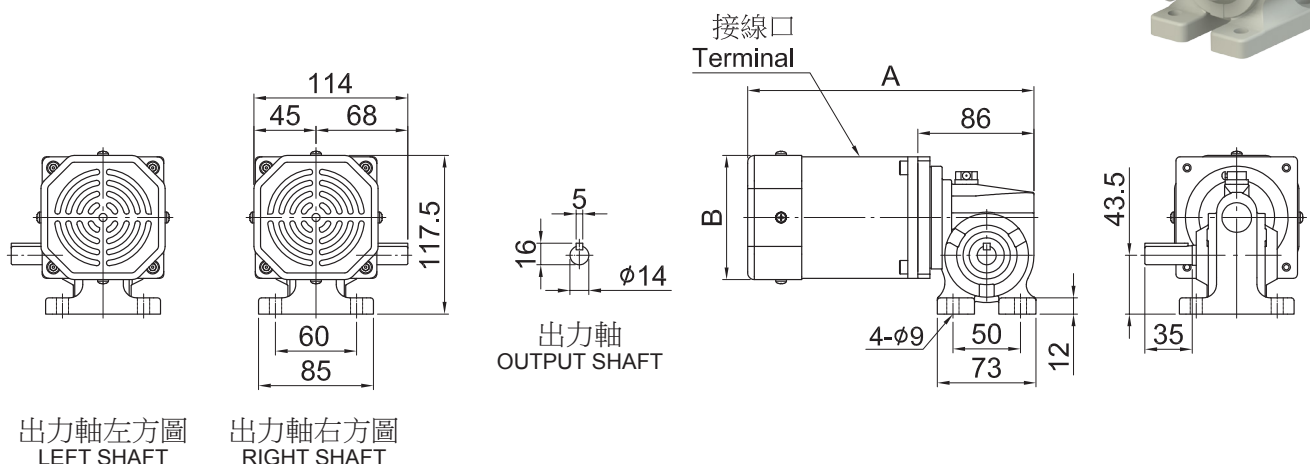
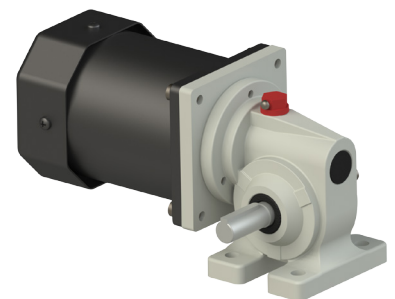
- NOTE：
1.Values shown in paranthesis () are used for light loading.
2.Weights shown in the above chart are based on 3-phase 4P motors, weights for single phase, brake, DC, or special motor shall be referred to specific values.
3.Values shown in 'L' column are based on 3-phase motor, other special motor Refer to specific motor refer to specific values.
4.When the need arises to determine the special voltage frequency for single phase, please contact the Li-Ming application engineering team.
5.Above specifications are subject to change without prior notice.

■ 小型蝸輪減速機
Small Worm Reducer

■ MODEL : SMW28

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	A	B
25W	28	1/5~1/60	186	80
40W	28		191	88
60W	28		216	90

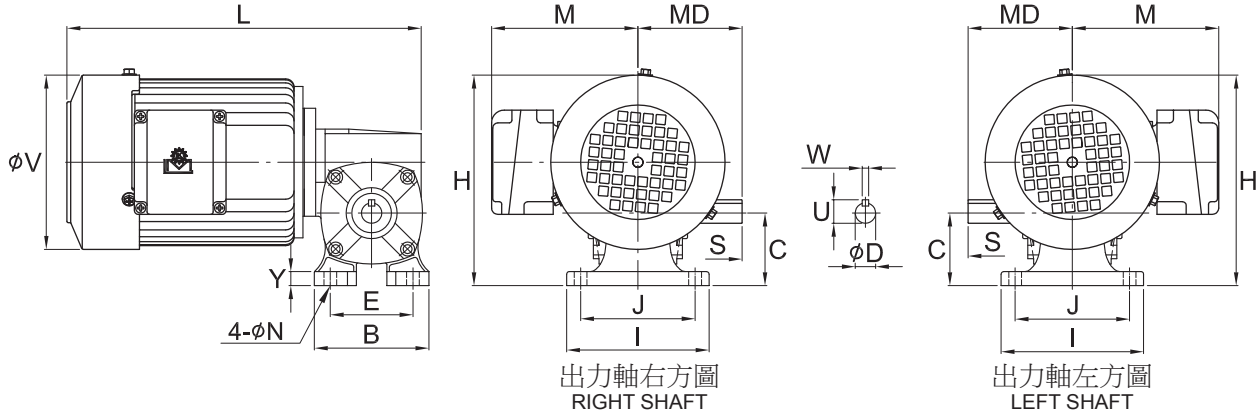
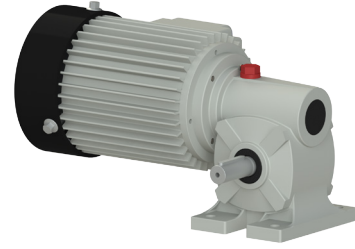


出力軸左方圖
LEFT SHAFT

出力軸右方圖
RIGHT SHAFT

■ 小型蝸輪減速機
Small Worm Reducer

■ MODEL : SMW

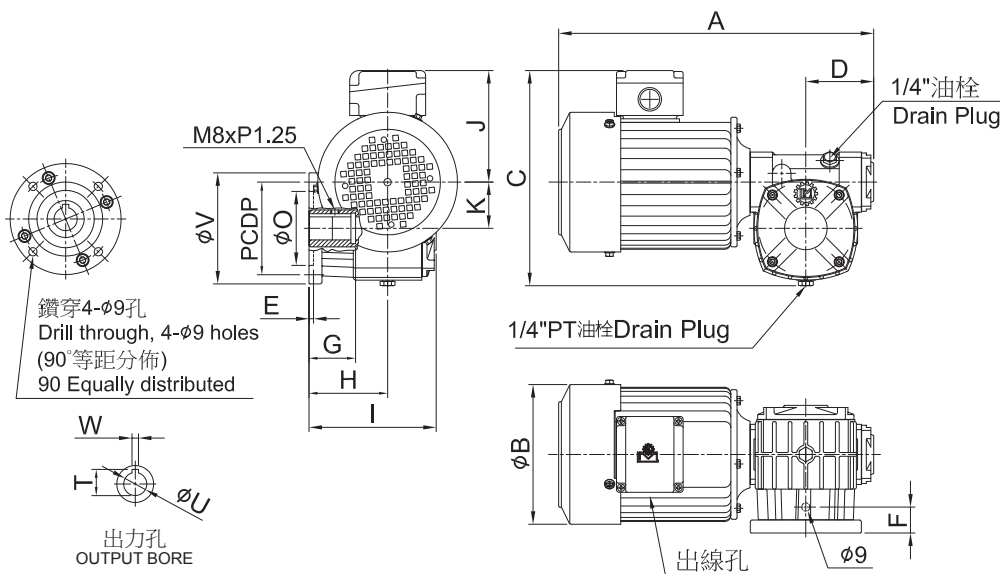
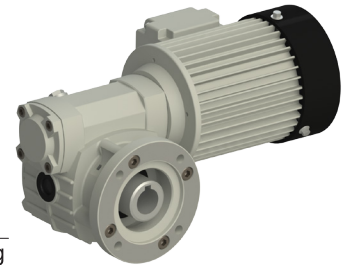


unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	L	V	M	H	E	B	J	I	Y	C	N	MD	出力軸 Output Shaft				重量 Weight (KG)
															D	S	W	U	
1/8HP (0.1kW)	40	1/5~1/60	275	123	108	160	65	92	90	112	11	56.5	10	82	16	40	5	18	6
1/4HP (0.2kW)	40	1/5~1/50(1/60)	285	137	115	170	65	92	90	112	11	56.5	10	82	16	40	5	18	7
1/2HP (0.4kW)	40	(1/5~1/30)	290	151	121	175	65	92	90	112	11	56.5	10	82	16	40	5	18	9
	50	1/5~1/60	340	151	121	210	120	150	105	130	15	80	11	106	22	50	7	25	16

■ 小型蝸輪減速機
Small Worm Reducer

■ MODEL : SAM50

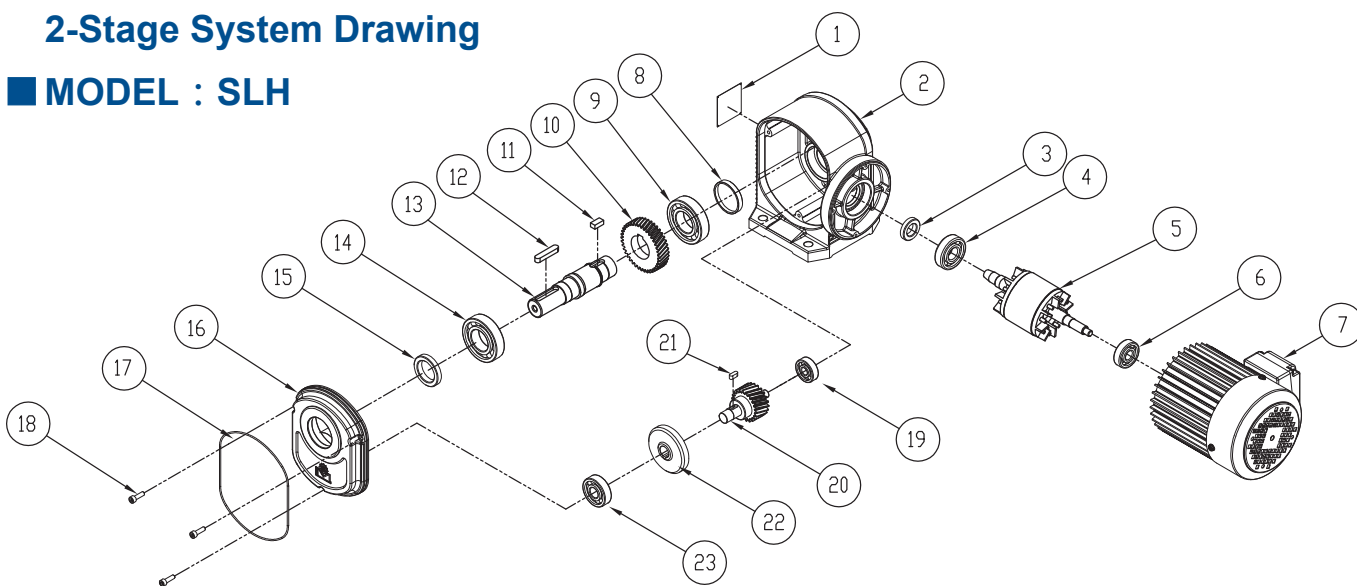


unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	A	B	C	D	E	F	G	H	I	J	K	V	P	O	出力孔 Output Bore			重量 Weight (KG)
																	W	T	U	
1/8HP (0.1kW)	50	1/5~1/60	325	123	225	73.3	5	28	50.3	85	140	108	50	120	100	80	7	28.3	25	10
1/4HP (0.2kW)		1/5~1/40(1/50~1/60)	335	137	230	73.3	5	28	50.3	85	140	115	50	120	100	80	7	28.3	25	12
1/2HP (0.4kW)		1/5~1/30(1/40~1/60)	345	151	235	73.3	5	28	50.3	85	140	121	50	120	100	80	7	28.3	25	14

■ 二段式分解系統圖
2-Stage System Drawing

■ MODEL : SLH



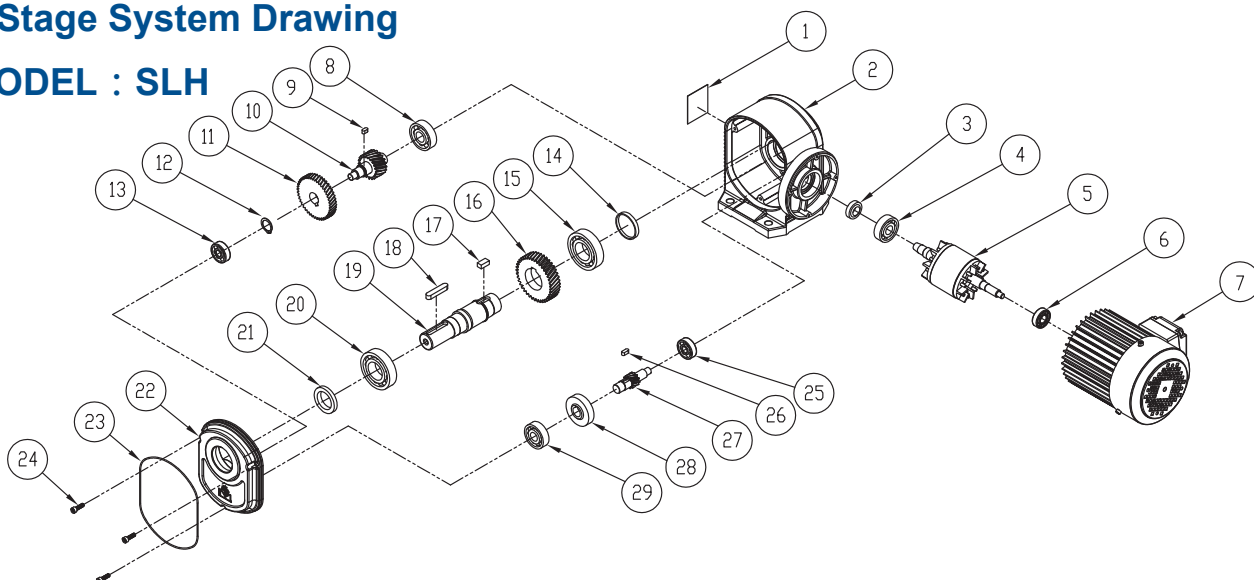
NO.	零件名稱	Name of Parts
1	銘牌	Name Plate
2	本體	Body
3	油封	Oil Seal
4	軸承	Bearing
5	A 齒輪	Gear A
6	軸承	Bearing
7	馬達	Motor
8	油封	Oil Seal

NO.	零件名稱	Name of Parts
9	軸承	Bearing
10	D 齒輪	Gear D
11	鍵	Key
12	鍵	Key
13	出力軸	Output Shaft
14	軸承	Bearing
15	油封	Oil Seal
16	本體蓋	Body Cover

NO.	零件名稱	Name of Parts
17	O 型環	O-Ring
18	固定螺絲	Fixing Screw
19	軸承	Bearing
20	C 齒輪	Gear C
21	鍵	Key
22	B 齒輪	Gear B
23	軸承	Bearing

■ 三段式分解系統圖
3-Stage System Drawing

■ MODEL : SLH



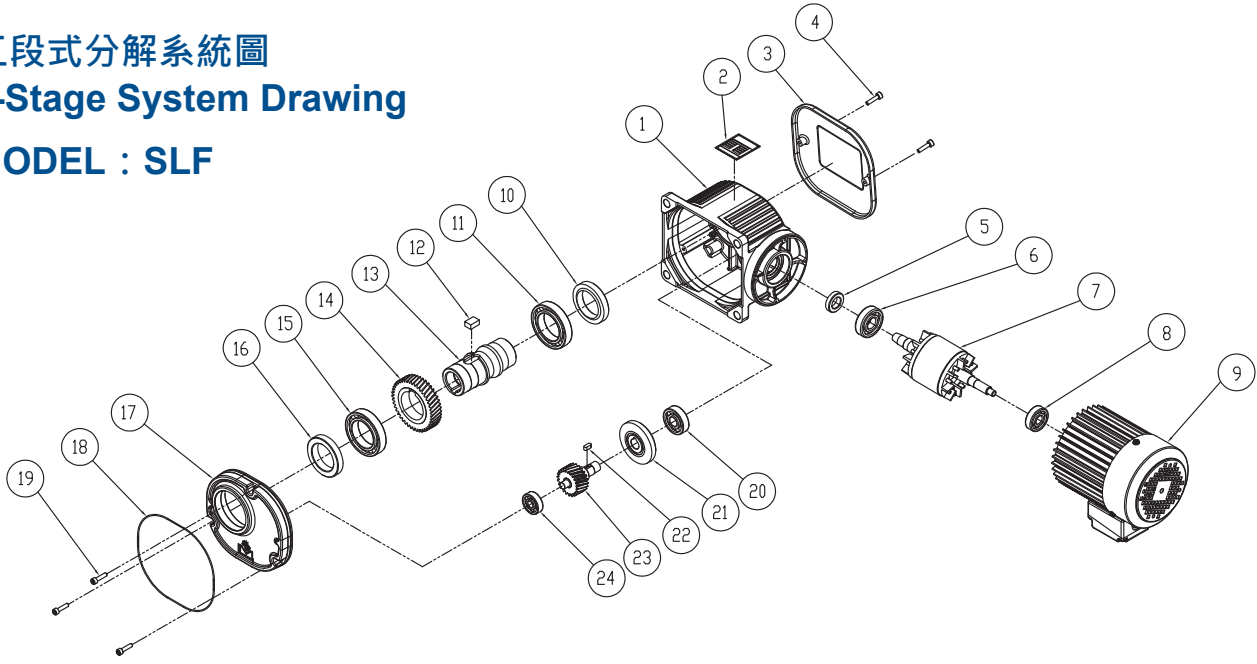
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1	銘牌	Name Plate
2	本體	Body
3	油封	Oil Seal
4	軸承	Bearing
5	A 齒輪	Gear A
6	軸承	Bearing
7	馬達	Motor
8	軸承	Bearing
9	鍵	Key
10	C 齒輪	Gear C

NO.	零件名稱	Name of Parts
11	F 齒輪	Gear F
12	扣環	Snap Ring
13	軸承	Bearing
14	油封	Oil Seal
15	軸承	Bearing
16	D 齒輪	Gear D
17	鍵	Key
18	鍵	Key
19	出力軸	Output Shaft
20	軸承	Bearing

NO.	零件名稱	Name of Parts
21	油封	Oil Seal
22	本體蓋	Body Cover
23	O 型環	O-Ring
24	固定螺絲	Fixing Screw
25	軸承	Bearing
26	鍵	Key
27	E 齒輪	Gear E
28	B 齒輪	Gear B
29	軸承	Bearing

■ 二段式分解系統圖 2-Stage System Drawing

■ MODEL : SLF



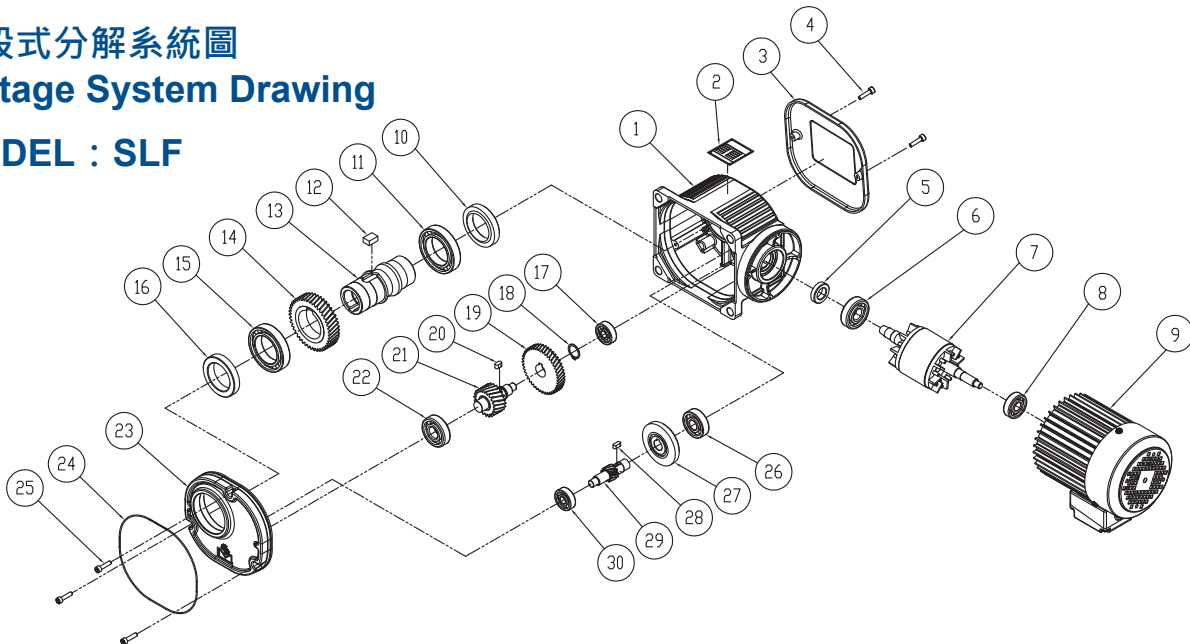
NO.	零件名稱	Name of Parts
1	本體	Body
2	銘牌	Name Plate
3	防護蓋	Protective Cover
4	固定螺絲	Fixing Screw
5	油封	Oil Seal
6	軸承	Bearing
7	A 齒輪	Gear A
8	軸承	Bearing

NO.	零件名稱	Name of Parts
9	馬達	Motor
10	油封	Oil Seal
11	軸承	Bearing
12	鍵	Key
13	出力軸	Output Shaft
14	D 齒輪	Gear D
15	軸承	Bearing
16	油封	Oil Seal

NO.	零件名稱	Name of Parts
17	本體蓋	Body Cover
18	O 型環	O-Ring
19	固定螺絲	Fixing Screw
20	軸承	Bearing
21	B 齒輪	Gear B
22	鍵	Key
23	C 齒輪	Gear C
24	軸承	Bearing

■ 三段式分解系統圖 3-Stage System Drawing

■ MODEL : SLF



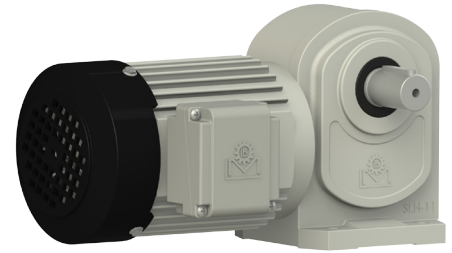
NO.	零件名稱	Name of Parts
1	本體	Body
2	銘牌	Name Plate
3	防護蓋	Protective Cover
4	固定螺絲	Fixing Screw
5	油封	Oil Seal
6	軸承	Bearing
7	A 齒輪	Gear A
8	軸承	Bearing
9	馬達	Motor
10	油封	Oil Seal

NO.	零件名稱	Name of Parts
11	軸承	Bearing
12	鍵	Key
13	出力軸	Output Shaft
14	D 齒輪	Gear D
15	軸承	Bearing
16	油封	Oil Seal
17	軸承	Bearing
18	扣環	Snap Ring
19	F 齒輪	Gear F
20	鍵	Key

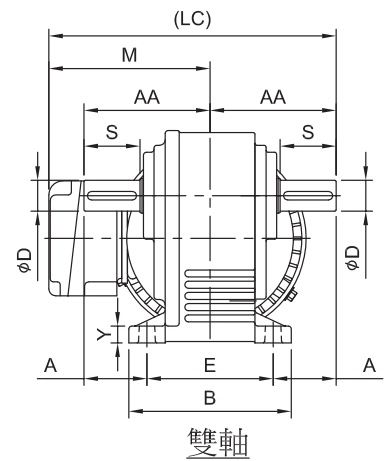
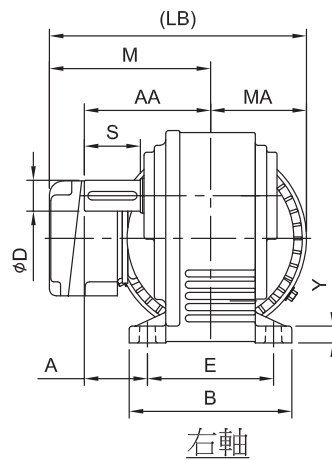
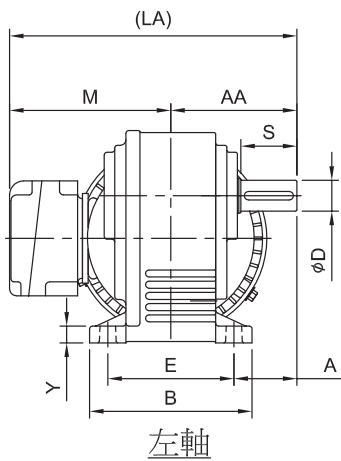
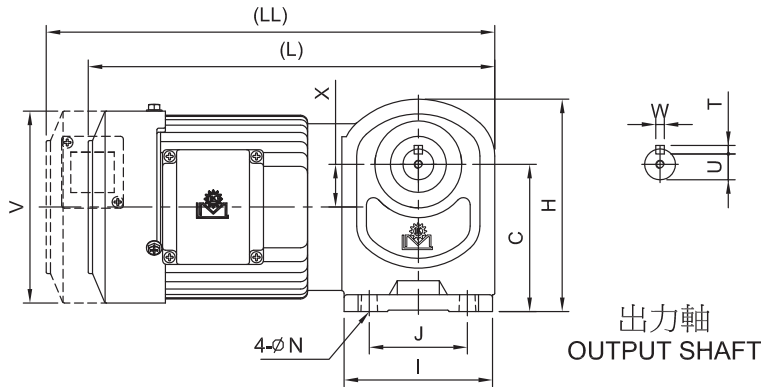
NO.	零件名稱	Name of Parts
21	C 齒輪	Gear C
22	軸承	Bearing
23	本體蓋	Body Cover
24	O 型環	O-Ring
25	固定螺絲	Fixing Screw
26	軸承	Bearing
27	B 齒輪	Gear B
28	鍵	Key
29	E 齒輪	Gear E
30	軸承	Bearing

■ 臥式戟齒減速機
Horizontal Type Hypoid Gear Reducer

■ MODEL : SLH



台灣專利字號：M480208
中國專利字號：201420161664.1



unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	A	AA	J	I	E	B	C	H	Y	X	N	V	M
1/8HP (0.1kW)	10	1/5~1/200(1/230~1/260)	45	90	70	106	90	116	105	152	12	30	11	137	115
	10	1/5~1/100(1/120)	45	90	70	106	90	116	105	152	12	30	11	137	115
1/4HP (0.2kW)	11	1/5~1/160(1/180~1/250)	50	100	80	127	100	126	120	177	15	41	11	137	115
	11	1/5~1/50(1/60~1/75)	50	100	80	127	100	126	120	177	15	41	11	137	115
1/2HP (0.4kW)	12	1/5~1/200(1/225~1/250)	60	120	95	154	120	150	140	208	18	47	13	163	131
	12	1/5~1/50(1/60~1/80)	60	120	95	154	120	150	140	208	18	47	13	163	131
1HP (0.75kW)	13	1/5~1/120(1/160~1/240)	70	140	120	180	140	180	165	251	20	59	15	181	142
	13	1/5~1/60(1/80~1/125)	70	140	120	180	140	180	165	251	20	59	15	181	142

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	MA	L	LL	LA	LB	LC	出力軸 Output Shaft					重量 Weight (KG)
									D	S	W	T	U	
1/8HP (0.1kW)	10	1/5~1/200(1/230~1/260)	69	295	315	205	184	205	22	40	6	6	18.5	
	10	1/5~1/100(1/120)	69	315	335	205	184	205	22	40	6	6	18.5	
1/4HP (0.2kW)	11	1/5~1/160(1/180~1/250)	69	330	350	215	184	215	28	45	8	7	24	
	11	1/5~1/50(1/60~1/75)	69	345	365	215	184	215	28	45	8	7	24	
1/2HP (0.4kW)	12	1/5~1/200(1/225~1/250)	82	345	360	251	213	251	32	55	10	8	27	
	12	1/5~1/50(1/60~1/80)	82	380	395	251	213	251	32	55	10	8	27	
1HP (0.75kW)	13	1/5~1/120(1/160~1/240)	91	420	440	282	233	282	40	65	12	8	35	
	13	1/5~1/60(1/80~1/125)	91	450	470	282	233	282	40	65	12	8	35	

注：

- 表中 () 內數字系表示輕荷重使用。
- 表中重量以配合三相 4P 馬達為主，其它單相、剎車、直流、特殊等馬達重量另訂。
- 表中 L 內數字以三相馬達為主，其它特殊馬達另訂。
- 馬達單頻、單雙電壓依設計所須另訂。
- 以上數值若有變更，恕不另行通知。

NOTE :

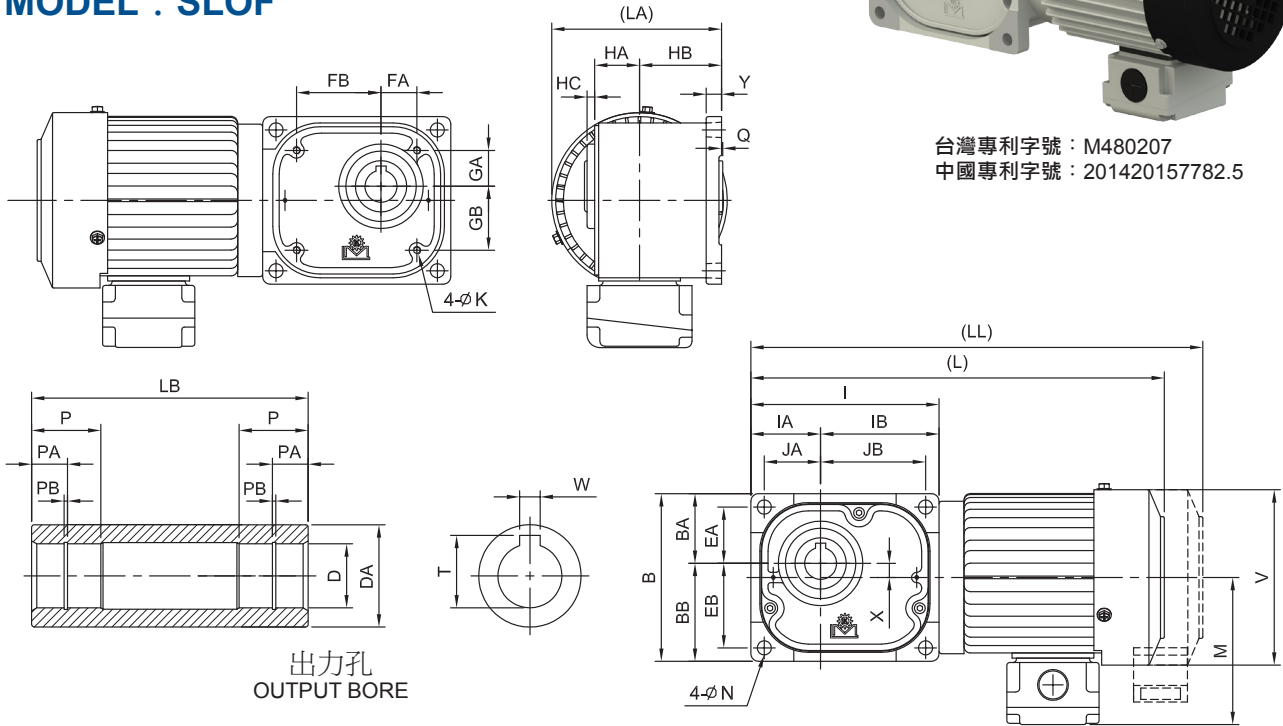
- Values shown in paranthesis () are used for light loading.
- Weights shown in the above chart are based on 3-phase 4P motors, weights for single phase, brake, DC, or special motor shall be referred to specific values.
- Values shown in 'L' column are based on 3-phase motor, other special motor Refer to specific motor refer to specific values.
- When the need arises to determine the special voltage frequency for single phase, please contact the Li-Ming application engineering team.
- Above specifications are subject to change without prior notice.

■ 法蘭式戟齒減速機
Flange Type Hypoid Gear Reducer

■ MODEL : SLOF



台灣專利字號：M480207
中國專利字號：201420157782.5



出力孔
OUTPUT BORE

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	JA	JB	I	IA	IB	EA	EB	B	BA	BB	FA	FB
1/8HP (0.1kW)	10	1/5~1/200(1/240)	44	82	147	55	93	44	66	131	55	77	28	66
	10	1/5~1/100(1/120)	44	82	147	55	93	44	66	131	55	77	28	66
1/4HP (0.2kW)	11	1/5~1/180(1/210~1/260)	50	90	164	62	102	50	72	146	62	84	33	73
	11	1/5~1/45(1/60~1/100)	50	90	164	62	102	50	72	146	62	84	33	73
1/2HP (0.4kW)	12	1/5~1/200(1/225~1/250)	56	108	188	68	120	56	88	170	69	101	38	90
	12	1/5~1/40(1/50~1/80)	56	108	188	68	120	56	88	170	69	101	38	90
1HP (0.75kW)	13	1/5~1/125(1/170~1/260)	70	134	234	85	149	70	104	204	85	119	48	112
	13	1/5~1/60(1/80~1/125)	70	134	234	85	149	70	104	204	85	119	48	112

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	GA	GB	HA	HB	HC	Q	Y	X	V	M	L	LL
1/8HP (0.1kW)	10	1/5~1/200(1/240)	28	50	35	64	6	1	12	11	137	115	330	350
	10	1/5~1/100(1/120)	28	50	35	64	6	1	12	11	137	115	350	370
1/4HP (0.2kW)	11	1/5~1/180(1/210~1/260)	33	55	42	65	7	1	14	11	137	115	365	385
	11	1/5~1/45(1/60~1/100)	33	55	42	65	7	1	14	11	137	115	380	400
1/2HP (0.4kW)	12	1/5~1/200(1/225~1/250)	38	70	44	70	7	1	16	16	151	120	395	400
	12	1/5~1/40(1/50~1/80)	38	70	44	70	7	1	16	16	151	120	420	425
1HP (0.75kW)	13	1/5~1/125(1/170~1/260)	48	82	51	80	6	1	18	17	163	131	460	470
	13	1/5~1/60(1/80~1/125)	48	82	51	80	6	1	18	17	163	131	480	490

unit: m/m

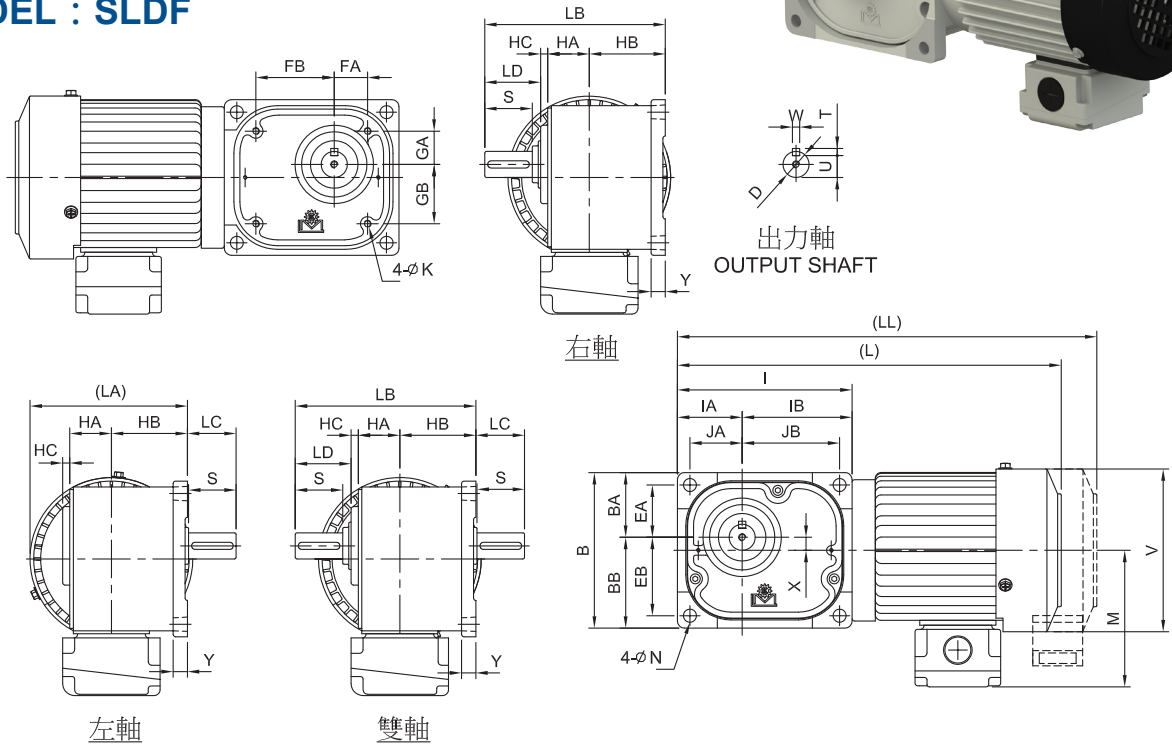
馬力 Horse Power	型號 Model	減速比 Ratio	LA	K	N	出力孔 Output Bore								重量 Weight (KG)
						D	DA	W	T	P	PA	PB	LB	
1/8HP (0.1kW)	10	1/5~1/200(1/240)	133	M6	11	25	40	8	28.3	30	14	1.35	108	
1/4HP (0.2kW)	10	1/5~1/100(1/120)	133	M6	11	25	40	8	28.3	30	14	1.35	108	
	11	1/5~1/180(1/210~1/260)	134	M8	11	30	45	8	33.3	35	17	1.35	117	
1/2HP (0.4kW)	11	1/5~1/45(1/60~1/100)	134	M8	11	30	45	8	33.3	35	17	1.35	117	
	12	1/5~1/200(1/225~1/250)	146	M8	13	35	50	10	38.3	40	20	1.75	124	
1HP (0.75kW)	12	1/5~1/40(1/50~1/80)	146	M8	13	35	50	10	38.3	40	20	1.75	124	
	13	1/5~1/125(1/170~1/260)	162	M10	15	45	65	14	48.8	50	26	1.95	140	
2HP (1.5kW)	13	1/5~1/60(1/80~1/125)	162	M10	15	45	65	14	48.8	50	26	1.95	140	

- 注：
- 表中 () 內數字系表示輕荷重使用。
 - 表中重量以配合三相 4P 馬達為主，其它單相、剎車、直流、特殊等馬達重量另訂。
 - 表中 L 內數字以三相馬達為主，其它特殊馬達另訂。
 - 馬達單頻、單雙電壓依設計所須另訂。
 - 以上數值若有變更，恕不另行通知。

- NOTE :
- Values shown in paranthesis () are used for light loading.
 - Weights shown in the above chart are based on 3-phase 4P motors, weights for single phase, brake, DC, or special motor shall be referred to specific values.
 - Values shown in 'L' column are based on 3-phase motor, other special motor Refer to specific motor refer to specific values.
 - When the need arises to determine the special voltage frequency for single phase, please contact the Li-Ming application engineering team.
 - Above specifications are subject to change without prior notice.

■ 法蘭式戟齒減速機
Flange Type Hypoid Gear Reducer

■ MODEL : SLDF



unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	JA	JB	I	IA	IB	EA	EB	B	BA	BB	FA	FB
1/8HP (0.1kW)	10	1/5~1/200(1/240)	44	82	147	55	93	44	66	131	55	77	28	66
	10	1/5~1/100(1/120)	44	82	147	55	93	44	66	131	55	77	28	66
1/4HP (0.2kW)	11	1/5~1/180(1/210~1/260)	50	90	164	62	102	50	72	146	62	84	33	73
	11	1/5~1/45(1/60~1/100)	50	90	164	62	102	50	72	146	62	84	33	73
1/2HP (0.4kW)	12	1/5~1/200(1/225~1/250)	56	108	188	68	120	56	88	170	69	101	38	90
	12	1/5~1/40(1/50~1/80)	56	108	188	68	120	56	88	170	69	101	38	90
1HP (0.75kW)	13	1/5~1/125(1/170~1/260)	70	134	234	85	149	70	104	204	85	119	48	112
	13	1/5~1/60(1/80~1/125)	70	134	234	85	149	70	104	204	85	119	48	112

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	GA	GB	HA	HB	HC	Y	X	V	M	L	LL	LA
1/8HP (0.1kW)	10	1/5~1/200(1/240)	28	50	35	64	6	12	11	137	115	330	350	133
	10	1/5~1/100(1/120)	28	50	35	64	6	12	11	137	115	350	370	133
1/4HP (0.2kW)	11	1/5~1/180(1/210~1/260)	33	55	42	65	7	14	11	137	115	365	385	134
	11	1/5~1/45(1/60~1/100)	33	55	42	65	7	14	11	137	115	380	400	134
1/2HP (0.4kW)	12	1/5~1/200(1/225~1/250)	38	70	44	70	7	16	16	151	120	395	400	146
	12	1/5~1/40(1/50~1/80)	38	70	44	70	7	16	16	151	120	420	425	146
1HP (0.75kW)	13	1/5~1/125(1/170~1/260)	48	82	51	80	6	18	17	163	131	460	470	162
	13	1/5~1/60(1/80~1/125)	48	82	51	80	6	18	17	163	131	480	490	162

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	K	N	出力軸 Output Shaft								重量 Weight (KG)
					D	S	W	T	U	LB	LC	LD	
1/8HP (0.1kW)	10	1/5~1/200(1/240)	M6	11	22	40	6	6	18.5	152	41	47	
	10	1/5~1/100(1/120)	M6	11	22	40	6	6	18.5	152	41	47	
1/4HP (0.2kW)	11	1/5~1/180(1/210~1/260)	M8	11	28	45	8	7	24	166	50	52	
	11	1/5~1/45(1/60~1/100)	M8	11	28	45	8	7	24	166	50	52	
1/2HP (0.4kW)	12	1/5~1/200(1/225~1/250)	M8	13	32	55	10	8	27	183	61	62	
	12	1/5~1/40(1/50~1/80)	M8	13	32	55	10	8	27	183	61	62	
1HP (0.75kW)	13	1/5~1/125(1/170~1/260)	M10	15	40	65	12	8	35	209	71	72	
	13	1/5~1/60(1/80~1/125)	M10	15	40	65	12	8	35	209	71	72	

注:

- 表中 () 內數字系表示輕荷重使用。
- 表中重量以配合三相 4P 馬達為主，其它單相、剎車、直流、特殊等馬達重量另訂。
- 表中 L 內數字以三相馬達為主，其它特殊馬達另訂。
- 馬達單頻、單雙電壓依設計所須另訂。
- 以上數值若有變更，恕不另行通知。

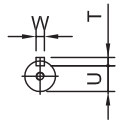
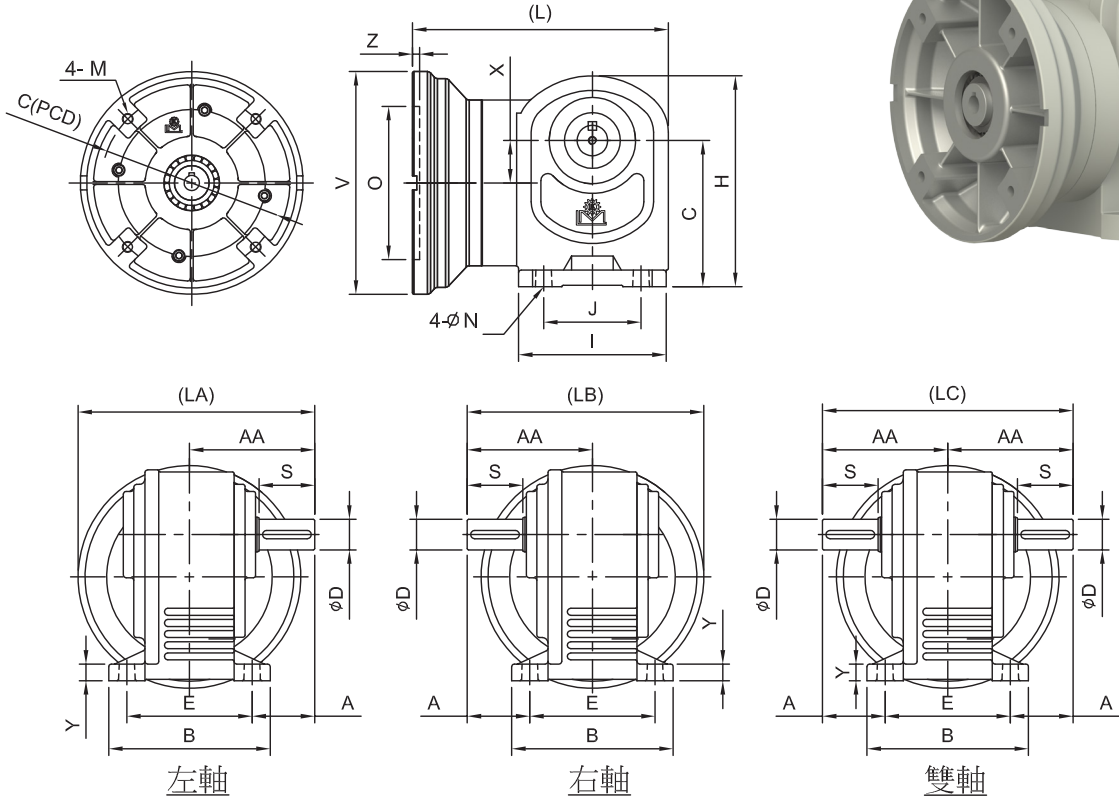
NOTE:

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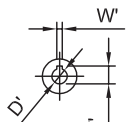
■ 臥式馬達自裝式軋齒減速機

Horizontal Motor-Driver Hypoid Gear Reducer

■ MODEL : SLHB



出力軸
OUTPUT SHAFT



入力孔
INPUT BORE

unit: m/m

馬力 Horse Power	V	O	Z	M	P	D'	W'	T'
1/8	160	110	5	M8	130	11	4	12.8
1/4	160	110	5	M8	130	11	4	12.8
1/2	160	110	5	M8	130	14	5	16.3
1	200	130	5	M10	165	19	6	21.8
2	200	130	5	M10	165	24	8	27.3

unit: m/m

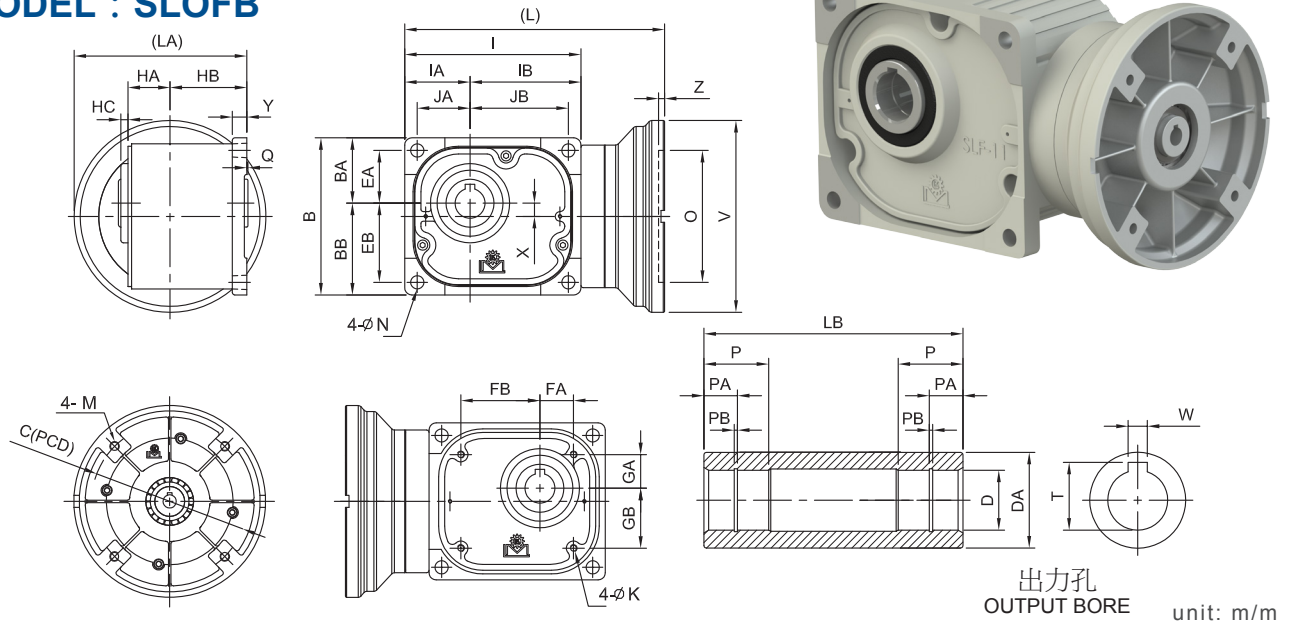
馬力 Horse Power	型號 Model	減速比 Ratio	A	AA	J	I	E	B	C	H	Y	N	X	L
1/8HP (0.1kW)	10	1/5~1/200(1/230~1/260)	45	90	70	106	90	116	105	152	12	11	30	184
1/4HP (0.2kW)	10	1/5~1/100(1/120)	45	90	70	106	90	116	105	152	12	11	30	184
	11	1/5~1/160(1/180~1/250)	50	100	80	127	100	126	120	177	15	11	41	198
1/2HP (0.4kW)	11	1/5~1/50(1/60~1/75)	50	100	80	127	100	126	120	177	15	11	41	198
	12	1/5~1/200(1/225~1/250)	60	120	95	154	120	150	140	208	18	13	47	227
1HP (0.75kW)	12	1/5~1/50(1/60~1/80)	60	120	95	154	120	150	140	208	18	13	47	240
	13	1/5~1/120(1/160~1/240)	70	140	120	180	140	180	165	251	20	15	59	272
2HP (1.5kW)	13	1/5~1/60(1/80~1/125)	70	140	120	180	140	180	165	251	20	15	59	282

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	LA	LB	LC	出力軸 Output Shaft					重量 Weight (KG)
						D	S	W	T	U	
1/8HP (0.1kW)	10	1/5~1/200(1/230~1/260)	170	170	180	22	40	6	6	18.5	
1/4HP (0.2kW)	10	1/5~1/100(1/120)	170	170	180	22	40	6	6	18.5	
	11	1/5~1/160(1/180~1/250)	180	180	200	28	45	8	7	24	
1/2HP (0.4kW)	11	1/5~1/50(1/60~1/75)	180	180	200	28	45	8	7	24	
	12	1/5~1/200(1/225~1/250)	200	200	240	32	55	10	8	27	
1HP (0.75kW)	12	1/5~1/50(1/60~1/80)	220	220	240	32	55	10	8	27	
	13	1/5~1/120(1/160~1/240)	240	240	280	40	65	12	8	35	
2HP (1.5kW)	13	1/5~1/60(1/80~1/125)	240	240	280	40	65	12	8	35	

■ 法蘭式馬達自裝式軟齒減速機
Flange Motor-Driver Hypoid Gear Reducer

■ MODEL : SLOFB



出力孔
OUTPUT BORE unit: m/m

入力孔
INPUT BORE

馬力 Horse Power	V	O	Z	M	C	D'	W'	T'
1/8	160	110	5	M8	130	11	4	12.8
1/4	160	110	5	M8	130	11	4	12.8
1/2	160	110	5	M8	130	14	5	16.3
1	200	130	5	M10	165	19	6	21.8
2	200	130	5	M10	165	24	8	27.3

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	JA	JB	I	IA	IB	EA	EB	B	BA	BB	FA	FB
1/8HP (0.1kW)	10	1/5~1/200(1/240)	44	82	147	55	93	44	66	131	55	77	28	66
1/4HP (0.2kW)	10	1/5~1/100(1/120)	44	82	147	55	93	44	66	131	55	77	28	66
	11	1/5~1/180(1/210~1/260)	50	90	164	62	102	50	72	146	62	84	33	73
1/2HP (0.4kW)	11	1/5~1/45(1/60~1/100)	50	90	164	62	102	50	72	146	62	84	33	73
	12	1/5~1/200(1/225~1/250)	56	108	188	68	120	56	88	170	69	101	38	90
1HP (0.75kW)	12	1/5~1/40(1/50~1/80)	56	108	188	68	120	56	88	170	69	101	38	90
	13	1/5~1/125(1/170~1/260)	70	134	234	85	149	70	104	204	85	119	48	112
2HP (1.5kW)	13	1/5~1/60(1/80~1/125)	70	134	234	85	149	70	104	204	85	119	48	112

unit: m/m

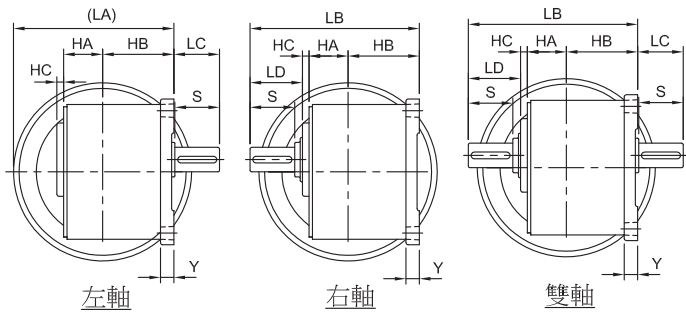
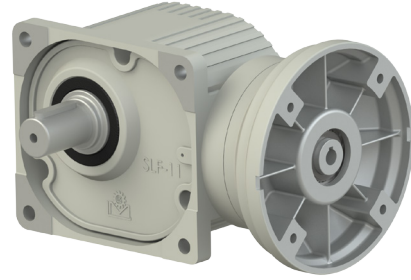
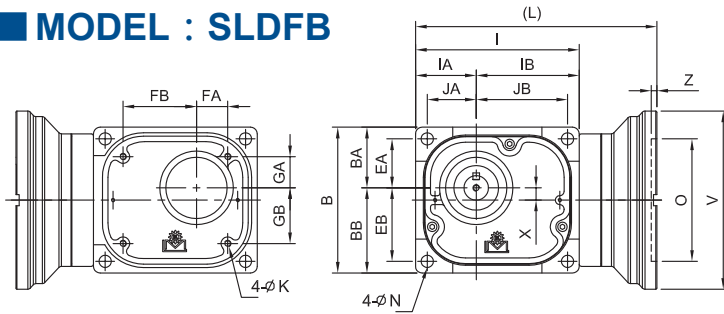
馬力 Horse Power	型號 Model	減速比 Ratio	GA	GB	HA	HB	HC	Q	Y	X	L	LA	K	N
1/8HP (0.1kW)	10	1/5~1/200(1/240)	28	50	35	64	6	1	12	11	217	144	M6	11
1/4HP (0.2kW)	10	1/5~1/100(1/120)	28	50	35	64	6	1	12	11	217	144	M6	11
	11	1/5~1/180(1/210~1/260)	33	55	42	65	7	1	14	11	234	145	M8	11
1/2HP (0.4kW)	11	1/5~1/45(1/60~1/100)	33	55	42	65	7	1	14	11	234	145	M8	11
	12	1/5~1/200(1/225~1/250)	38	70	44	70	7	1	16	16	259	150	M8	13
1HP (0.75kW)	12	1/5~1/40(1/50~1/80)	38	70	44	70	7	1	16	16	273	170	M8	13
	13	1/5~1/125(1/170~1/260)	48	82	51	80	6	1	18	17	319	180	M10	15
2HP (1.5kW)	13	1/5~1/60(1/80~1/125)	48	82	51	80	6	1	18	17	329	180	M10	15

unit: m/m

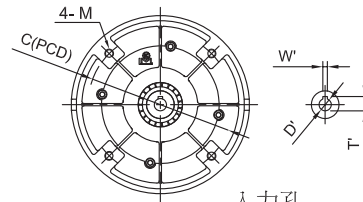
馬力 Horse Power	型號 Model	減速比 Ratio	出力孔 Output Bore								重量 Weight (KG)
			D	DA	W	T	P	PA	PB	LB	
1/8HP (0.1kW)	10	1/5~1/200(1/230~1/260)	25	40	8	28.3	30	14	1.35	108	
1/4HP (0.2kW)	10	1/5~1/100(1/120)	25	40	8	28.3	30	14	1.35	108	
	11	1/5~1/160(1/180~1/250)	30	45	8	33.3	35	17	1.35	117	
1/2HP (0.4kW)	11	1/5~1/50(1/60~1/75)	30	45	8	33.3	35	17	1.35	117	
	12	1/5~1/200(1/225~1/250)	35	50	10	38.3	40	20	1.75	124	
1HP (0.75kW)	12	1/5~1/50(1/60~1/80)	35	50	10	38.3	40	20	1.75	124	
	13	1/5~1/120(1/160~1/240)	45	65	14	48.8	50	26	1.95	140	
2HP (1.5kW)	13	1/5~1/60(1/80~1/125)	45	65	14	48.8	50	26	1.95	140	

■ 法蘭式馬達自裝式戟齒減速機 Flange Motor-Driver Hypoid Gear Reducer

■ MODEL : SLDFB



出力軸
OUTPUT SHAFT



入力孔
INPUT BORE

unit: m/m

馬力 Horse Power	V	O	Z	M	C	D'	W'	T'
1/8	160	110	5	M8	130	11	4	12.8
1/4	160	110	5	M8	130	11	4	12.8
1/2	160	110	5	M8	130	14	5	16.3
1	200	130	5	M10	165	19	6	21.8
2	200	130	5	M10	165	24	8	27.3

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	JA	JB	I	IA	IB	EA	EB	B	BA	BB	FA	FB
1/8HP (0.1kW)	10	1/5~1/200(1/240)	44	82	147	55	93	44	66	131	55	77	28	66
	10	1/5~1/100(1/120)	44	82	147	55	93	44	66	131	55	77	28	66
1/4HP (0.2kW)	11	1/5~1/180(1/210~1/260)	50	90	164	62	102	50	72	146	62	84	33	73
	11	1/5~1/45(1/60~1/100)	50	90	164	62	102	50	72	146	62	84	33	73
1/2HP (0.4kW)	12	1/5~1/200(1/225~1/250)	56	108	188	68	120	56	88	170	69	101	38	90
	12	1/5~1/40(1/50~1/80)	56	108	188	68	120	56	88	170	69	101	38	90
1HP (0.75kW)	13	1/5~1/125(1/170~1/260)	70	134	234	85	149	70	104	204	85	119	48	112
	13	1/5~1/60(1/80~1/125)	70	134	234	85	149	70	104	204	85	119	48	112

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	GA	GB	HA	HB	HC	Y	X	L	LA	K	N
1/8HP (0.1kW)	10	1/5~1/200(1/240)	28	50	35	64	6	12	11	217	144	M6	11
	10	1/5~1/100(1/120)	28	50	35	64	6	12	11	217	144	M6	11
1/4HP (0.2kW)	11	1/5~1/180(1/210~1/260)	33	55	42	65	7	14	11	234	145	M8	11
	11	1/5~1/45(1/60~1/100)	33	55	42	65	7	14	11	234	145	M8	11
1/2HP (0.4kW)	12	1/5~1/200(1/225~1/250)	38	70	44	70	7	16	16	259	150	M8	13
	12	1/5~1/40(1/50~1/80)	38	70	44	70	7	16	16	273	170	M8	13
1HP (0.75kW)	13	1/5~1/125(1/170~1/260)	48	82	51	80	6	18	17	319	180	M10	15
	13	1/5~1/60(1/80~1/125)	48	82	51	80	6	18	17	329	180	M10	15

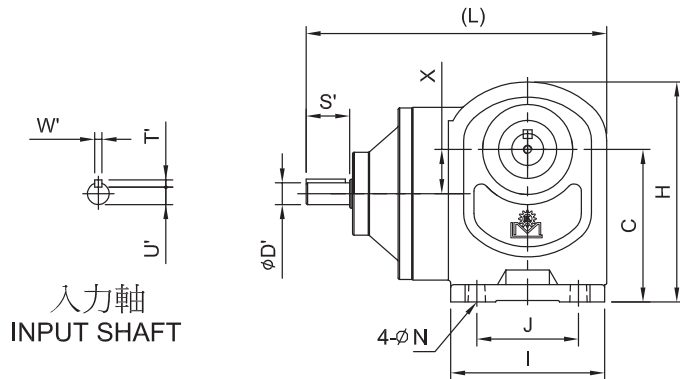
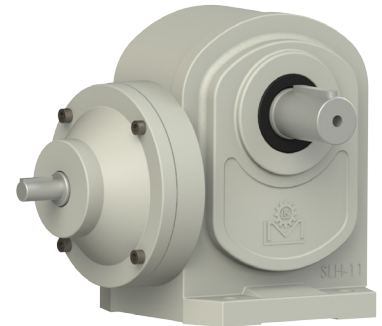
unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	出力軸 Output Shaft								重量 Weight (KG)
			D	S	W	T	U	LB	LC	LD	
1/8HP (0.1kW)	10	1/5~1/200(1/240)	22	40	6	6	18.5	152	41	47	
1/4HP (0.2kW)	10	1/5~1/100(1/120)	22	40	6	6	18.5	152	41	47	
	11	1/5~1/180(1/210~1/260)	28	45	8	7	24	166	50	52	
1/2HP (0.4kW)	11	1/5~1/45(1/60~1/100)	28	45	8	7	24	166	50	52	
	12	1/5~1/200(1/225~1/250)	32	55	10	8	27	183	61	62	
1HP (0.75kW)	12	1/5~1/40(1/50~1/80)	32	55	10	8	27	183	61	62	
	13	1/5~1/125(1/170~1/260)	40	65	12	8	35	209	71	72	
2HP (1.5kW)	13	1/5~1/60(1/80~1/125)	40	65	12	8	35	209	71	72	

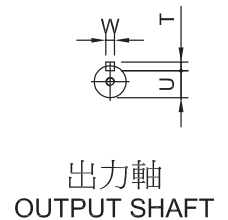
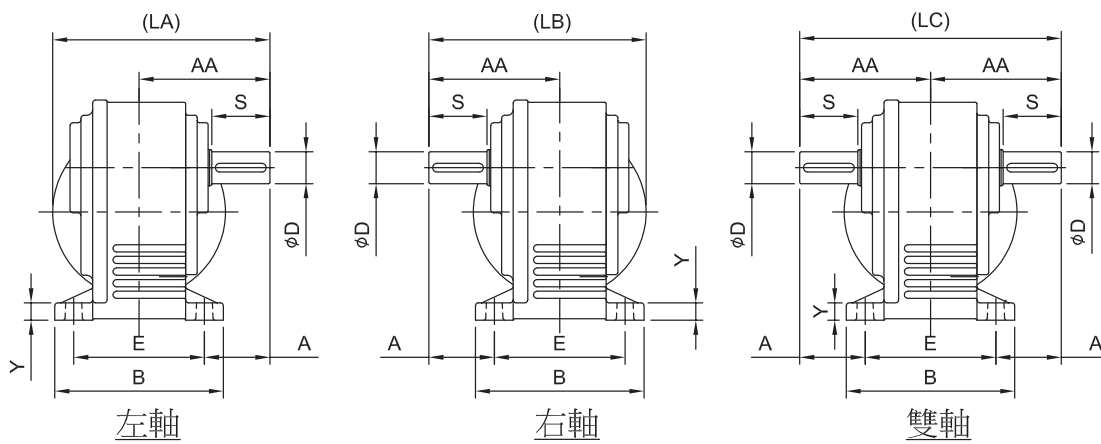
■ 臥式雙軸戟齒減速機

Horizontal Double-Axle Hypoid Gear Reducer

■ MODEL : SLHD



入力軸
INPUT SHAFT



unit: m/m

	馬力 Horse Power	D'	S'	W	T'	U'
入力軸 Input Shaft	1/8	12	25	4	4	9.5
	1/4	12	25	4	4	9.5
	1/2	15	30	5	5	12
	1	20	35	6	6	16.5
	2	25	40	8	7	21

unit: m/m

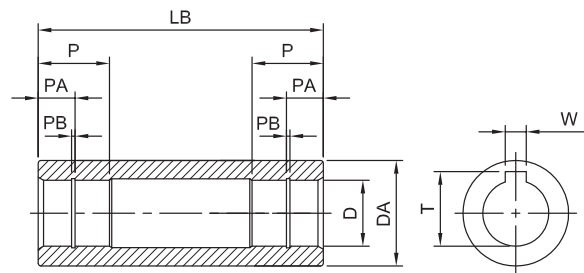
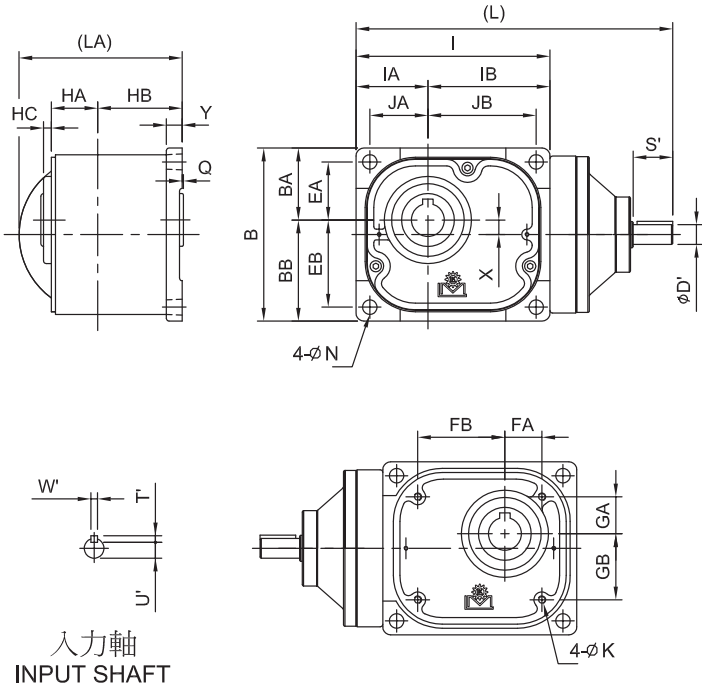
馬力 Horse Power	型號 Model	減速比 Ratio	A	AA	J	I	E	B	C	H	Y	N	X	L
1/8HP (0.1kW)	10	1/5~1/200(1/230~1/260)	45	90	70	106	90	116	105	152	12	11	30	202
1/4HP (0.2kW)	10	1/5~1/100(1/120)	45	90	70	106	90	116	105	152	12	11	30	202
	11	1/5~1/160(1/180~1/250)	50	100	80	127	100	126	120	177	15	11	41	217
1/2HP (0.4kW)	11	1/5~1/50(1/60~1/75)	50	100	80	127	100	126	120	177	15	11	41	222
	12	1/5~1/200(1/225~1/250)	60	120	95	154	120	150	140	208	18	13	47	266
1HP (0.75kW)	12	1/5~1/50(1/60~1/80)	60	120	95	154	120	150	140	208	18	13	47	271
	13	1/5~1/120(1/160~1/240)	70	140	120	180	140	180	165	251	20	15	59	308
2HP (1.5kW)	13	1/5~1/60(1/80~1/125)	70	140	120	180	140	180	165	251	20	15	59	317

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	LA	LB	LC	出力軸 Output Shaft					重量 Weight (KG)
						D	S	W	T	U	
1/8HP (0.1kW)	10	1/5~1/200(1/230~1/260)	150	150	180	22	40	6	6	18.5	
1/4HP (0.2kW)	10	1/5~1/100(1/120)	150	150	180	22	40	6	6	18.5	
	11	1/5~1/160(1/180~1/250)	160	160	200	28	45	8	7	24	
1/2HP (0.4kW)	11	1/5~1/50(1/60~1/75)	160	160	200	28	45	8	7	24	
	12	1/5~1/200(1/225~1/250)	193	193	240	32	55	10	8	27	
1HP (0.75kW)	12	1/5~1/50(1/60~1/80)	193	193	240	32	55	10	8	27	
	13	1/5~1/120(1/160~1/240)	222	222	280	40	65	12	8	35	
2HP (1.5kW)	13	1/5~1/60(1/80~1/125)	222	222	280	40	65	12	8	35	

■ 法蘭式雙軸戟齒減速機 Flange Double-Axle Hypoid Gear Reducer

■ MODEL : SLOFD



出力孔
OUTPUT BORE

unit: m/m

	馬力 Horse Power	D'	S'	W'	T'	U'
輸入軸 Input Shaft	1/8	12	25	4	4	9.5
	1/4	12	25	4	4	9.5
	1/2	15	30	5	5	12
	1	20	35	6	6	16.5
	2	25	40	8	7	21

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	JA	JB	I	IA	IB	EA	EB	B	BA	BB	FA	FB
1/8HP (0.1kW)	10	1/5~1/200(1/240)	44	82	147	55	93	44	66	131	55	77	28	66
1/4HP (0.2kW)	10	1/5~1/100(1/120)	44	82	147	55	93	44	66	131	55	77	28	66
	11	1/5~1/180(1/210~1/260)	50	90	164	62	102	50	72	146	62	84	33	73
1/2HP (0.4kW)	11	1/5~1/45(1/60~1/100)	50	90	164	62	102	50	72	146	62	84	33	73
	12	1/5~1/200(1/225~1/250)	56	108	188	68	120	56	88	170	69	101	38	90
1HP (0.75kW)	12	1/5~1/40(1/50~1/80)	56	108	188	68	120	56	88	170	69	101	38	90
	13	1/5~1/125(1/170~1/260)	70	134	234	85	149	70	104	204	85	119	48	112
2HP (1.5kW)	13	1/5~1/60(1/80~1/125)	70	134	234	85	149	70	104	204	85	119	48	112

unit: m/m

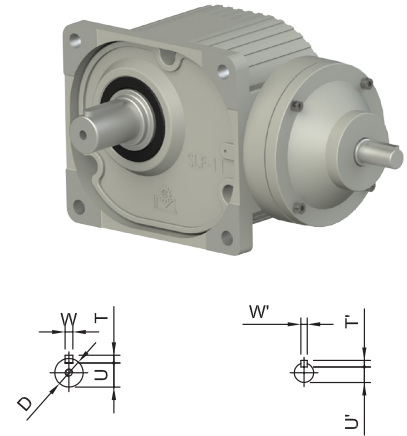
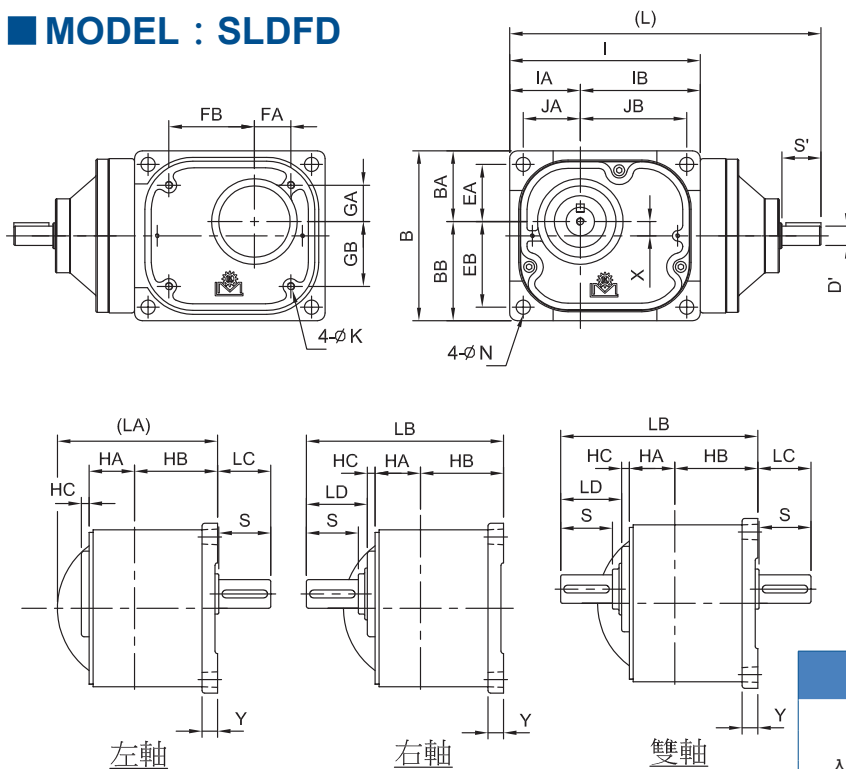
馬力 Horse Power	型號 Model	減速比 Ratio	GA	GB	HA	HB	HC	Q	Y	X	L	LA	K	N
1/8HP (0.1kW)	10	1/5~1/200(1/240)	28	50	35	64	6	1	12	11	235	124	M6	11
1/4HP (0.2kW)	10	1/5~1/100(1/120)	28	50	35	64	6	1	12	11	235	124	M6	11
	11	1/5~1/180(1/210~1/260)	33	55	42	65	7	1	14	11	253	125	M8	11
1/2HP (0.4kW)	11	1/5~1/45(1/60~1/100)	33	55	42	65	7	1	14	11	258	125	M8	11
	12	1/5~1/200(1/225~1/250)	38	70	44	70	7	1	16	16	284	135	M8	13
1HP (0.75kW)	12	1/5~1/40(1/50~1/80)	38	70	44	70	7	1	16	16	303	135	M8	13
	13	1/5~1/125(1/170~1/260)	48	82	51	80	6	1	18	17	349	153	M10	15
2HP (1.5kW)	13	1/5~1/60(1/80~1/125)	48	82	51	80	6	1	18	17	364	153	M10	15

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	出力孔 Output Bore								重量 Weight (KG)
			D	DA	W	T	P	PA	PB	LB	
1/8HP (0.1kW)	10	1/5~1/200(1/240)	25	40	8	28.3	30	14	1.35	108	
1/4HP (0.2kW)	10	1/5~1/100(1/120)	25	40	8	28.3	30	14	1.35	108	
	11	1/5~1/180(1/210~1/260)	30	45	8	33.3	35	17	1.35	117	
1/2HP (0.4kW)	11	1/5~1/45(1/60~1/100)	30	45	8	33.3	35	17	1.35	117	
	12	1/5~1/200(1/225~1/250)	35	50	10	38.3	40	20	1.75	124	
1HP (0.75kW)	12	1/5~1/40(1/50~1/80)	35	50	10	38.3	40	20	1.75	124	
	13	1/5~1/125(1/170~1/260)	45	65	14	48.8	50	26	1.95	140	
2HP (1.5kW)	13	1/5~1/60(1/80~1/125)	45	65	14	48.8	50	26	1.95	140	

■ 法蘭式雙軸戟齒減速機
Flange Double-Axle Hypoid Gear Reducer

■ MODEL : SLDFD



出力軸 OUTPUT SHAFT 入力軸 INPUT SHAFT

unit: m/m

	馬力 Horse Power	D'	S'	W'	T'	U'
入力軸 Input Shaft	1/8	12	25	4	4	9.5
	1/4	12	25	4	4	9.5
	1/2	15	30	5	5	12
	1	20	35	6	6	16.5
	2	25	40	8	7	21

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	JA	JB	I	IA	IB	EA	EB	B	BA	BB	FA	FB
1/8HP (0.1kW)	10	1/5~1/200(1/240)	44	82	147	55	93	44	66	131	55	77	28	66
1/4HP (0.2kW)	10	1/5~1/100(1/120)	44	82	147	55	93	44	66	131	55	77	28	66
	11	1/5~1/180(1/210~1/260)	50	90	164	62	102	50	72	146	62	84	33	73
1/2HP (0.4kW)	11	1/5~1/45(1/60~1/100)	50	90	164	62	102	50	72	146	62	84	33	73
	12	1/5~1/200(1/225~1/250)	56	108	188	68	120	56	88	170	69	101	38	90
1HP (0.75kW)	12	1/5~1/40(1/50~1/80)	56	108	188	68	120	56	88	170	69	101	38	90
	13	1/5~1/125(1/170~1/260)	70	134	234	85	149	70	104	204	85	119	48	112
2HP (1.5kW)	13	1/5~1/60(1/80~1/125)	70	134	234	85	149	70	104	204	85	119	48	112

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	GA	GB	HA	HB	HC	Y	X	L	LA	K	N
1/8HP (0.1kW)	10	1/5~1/200(1/240)	28	50	35	64	6	12	11	235	124	M6	11
1/4HP (0.2kW)	10	1/5~1/100(1/120)	28	50	35	64	6	12	11	235	124	M6	11
	11	1/5~1/180(1/210~1/260)	33	55	42	65	7	14	11	253	125	M8	11
1/2HP (0.4kW)	11	1/5~1/45(1/60~1/100)	33	55	42	65	7	14	11	258	125	M8	11
	12	1/5~1/200(1/225~1/250)	38	70	44	70	7	16	16	284	135	M8	13
1HP (0.75kW)	12	1/5~1/40(1/50~1/80)	38	70	44	70	7	16	16	303	135	M8	13
	13	1/5~1/125(1/170~1/260)	48	82	51	80	6	18	17	349	153	M10	15
2HP (1.5kW)	13	1/5~1/60(1/80~1/125)	48	82	51	80	6	18	17	364	153	M10	15

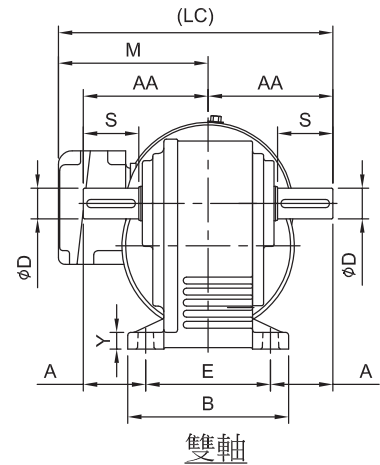
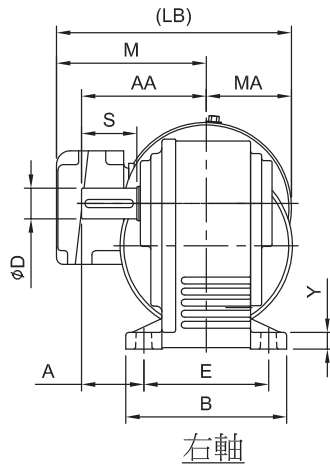
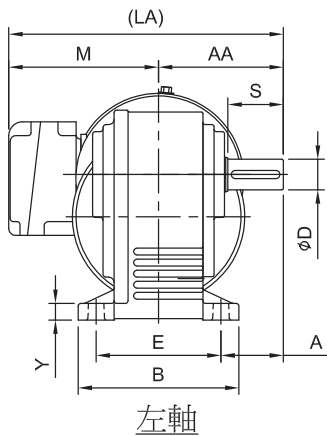
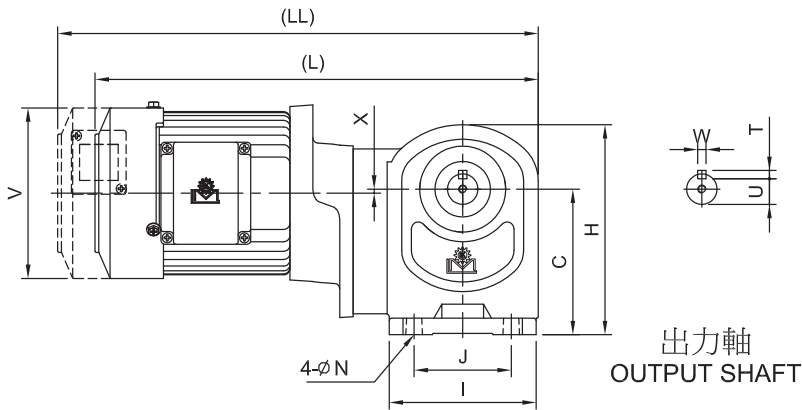
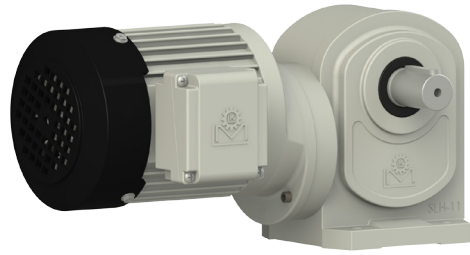
unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	出力軸 Output Shaft								重量 Weight (KG)
			D	S	W	T	U	LB	LC	LD	
1/8HP (0.1kW)	10	1/5~1/200(1/240)	22	40	6	6	18.5	152	41	47	
1/4HP (0.2kW)	10	1/5~1/100(1/120)	22	40	6	6	18.5	152	41	47	
	11	1/5~1/180(1/210~1/260)	28	45	8	7	24	166	50	52	
1/2HP (0.4kW)	11	1/5~1/45(1/60~1/100)	28	45	8	7	24	166	50	52	
	12	1/5~1/200(1/225~1/250)	32	55	10	8	27	183	61	62	
1HP (0.75kW)	12	1/5~1/40(1/50~1/80)	32	55	10	8	27	183	61	62	
	13	1/5~1/125(1/170~1/260)	40	65	12	8	35	209	71	72	
2HP (1.5kW)	13	1/5~1/60(1/80~1/125)	40	65	12	8	35	209	71	72	

■ 臥式多速比戟齒減速機

Horizontal High Reduction Hypoid Gear Reducer

■ MODEL : SLHL



最大容許扭力 Max. Permissible Torque			
型號 Model No.	11	12	13
扭力 Torque kg-m	10	20	40

馬力 Horse Power	型號 Model	減速比 Ratio	unit: m/m												
			A	AA	J	I	E	B	C	H	Y	X	N	V	M
1/8HP (0.1kW)	11	1/250~1/2500	50	100	80	127	100	126	120	177	15	14	11	137	115
1/4HP (0.2kW)	12		60	120	95	154	120	150	140	208	18	13	13	137	115
1/2HP (0.4kW)	13		70	140	120	180	140	180	165	251	20	16	15	151	120

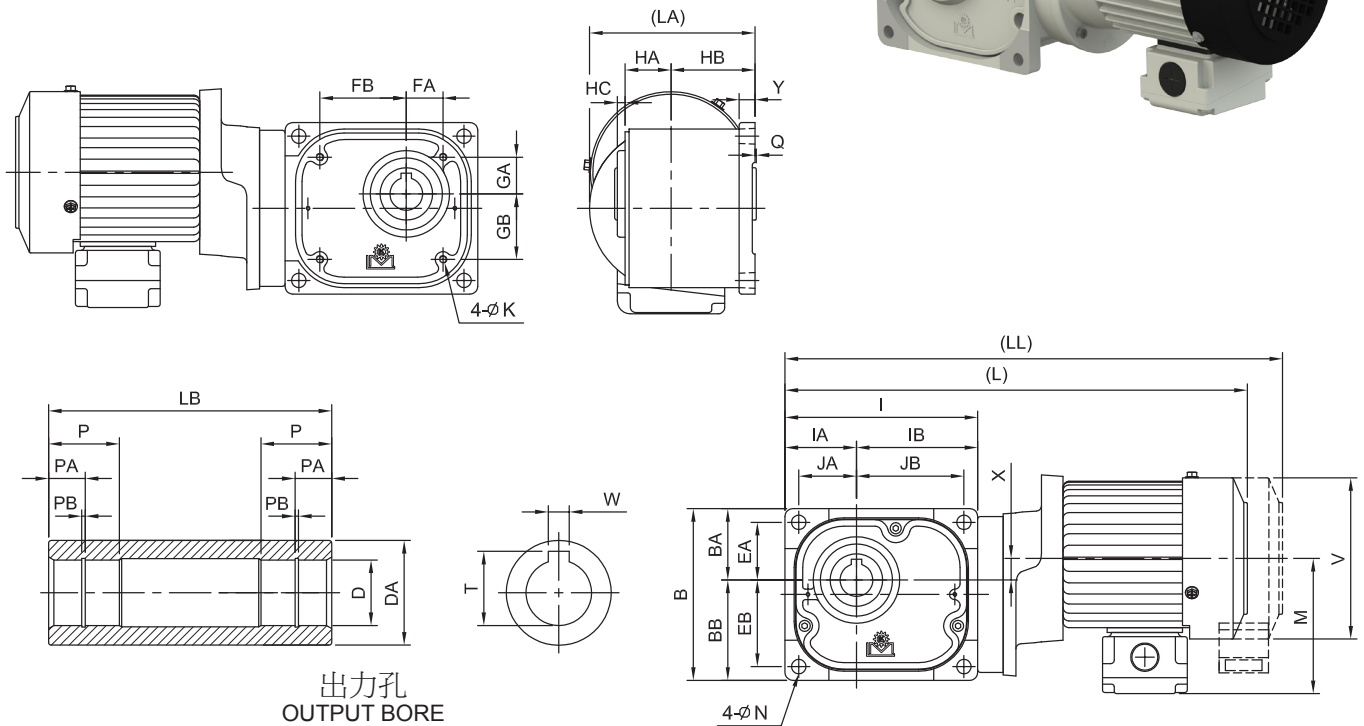
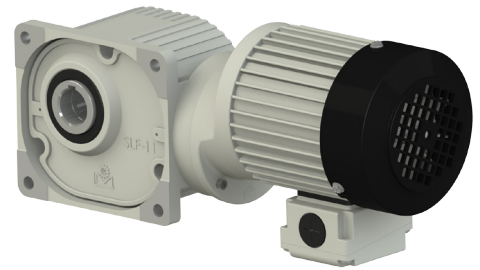
馬力 Horse Power	型號 Model	減速比 Ratio	unit: m/m											重量 Weight (KG)	
			MA	L	LL	LA	LB	LC	出力軸 Output Shaft						
							D	S	W	T	U				
1/8HP (0.1kW)	11	1/250~1/2500	69	355	375	215	183	215	28	45	8	7	24		
1/4HP (0.2kW)	12		76	415	435	235	196	240	32	55	10	8	27		
1/2HP (0.4kW)	13		85	455	460	260	225	280	40	65	12	8	35		

- 注：
- 表中 () 內數字系表示輕荷重使用。
 - 表中重量以配合三相 4P 馬達為主，其它單相、剎車、直流、特殊等馬達重量另訂。
 - 表中 L 內數字以三相馬達為主，其它特殊馬達另訂。
 - 馬達單頻，單雙電壓依設計所須另訂。
 - 以上數值若有變更，恕不另行通知。

- NOTE：
- Values shown in paranthesis () are used for light loading.
 - Weights shown in the above chart are based on 3-phase 4P motors, weights for single phase, brake, DC, or special motor shall be referred to specific values.
 - Values shown in 'L' column are based on 3-phase motor, other special motor Refer to specific motor refer to specific values.
 - When the need arises to determine the special voltage frequency for single phase, please contact the Li-Ming application engineering team.
 - Above specifications are subject to change without prior notice.

■ 法蘭式多速比戟齒減速機
Flange High Reduction Hypoid Gear Reducer

■ MODEL : SLOFL



出力孔
OUTPUT BORE

最大容許扭力 Max. Permissible Torque

型號 Model No.	11	12	13
扭力 Torque kg-m	10	20	40

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	JA	JB	I	IA	IB	EA	EB	B	BA	BB	FA	FB
1/8HP (0.1kW)	11	1/250~1/2500	50	90	164	62	102	50	72	146	62	84	33	73
1/4HP (0.2kW)	12		56	108	188	68	120	56	88	170	69	101	38	90
1/2HP (0.4kW)	13		70	134	234	85	149	70	104	204	85	119	48	112

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	GA	GB	HA	HB	HC	Q	Y	X	V	M	L	LL
1/8HP (0.1kW)	11	1/250~1/2500	33	55	42	65	7	1	14	16	137	115	390	410
1/4HP (0.2kW)	12		38	70	44	70	7	1	16	18	137	115	445	465
1/2HP (0.4kW)	13		48	82	51	80	6	1	18	25	151	120	505	510

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	MA	L	LC	出力孔 Output Bore								重量 Weight (KG)
						D	DA	W	T	P	PA	PB	LB	
1/8HP (0.1kW)	11	1/250~1/2500	134	M8	11	30	45	8	33.3	35	17	1.35	117	
1/4HP (0.2kW)	12		138	M8	13	35	50	10	38.3	40	20	1.75	124	
1/2HP (0.4kW)	13		156	M10	15	45	65	14	48.8	50	26	1.95	140	

注:

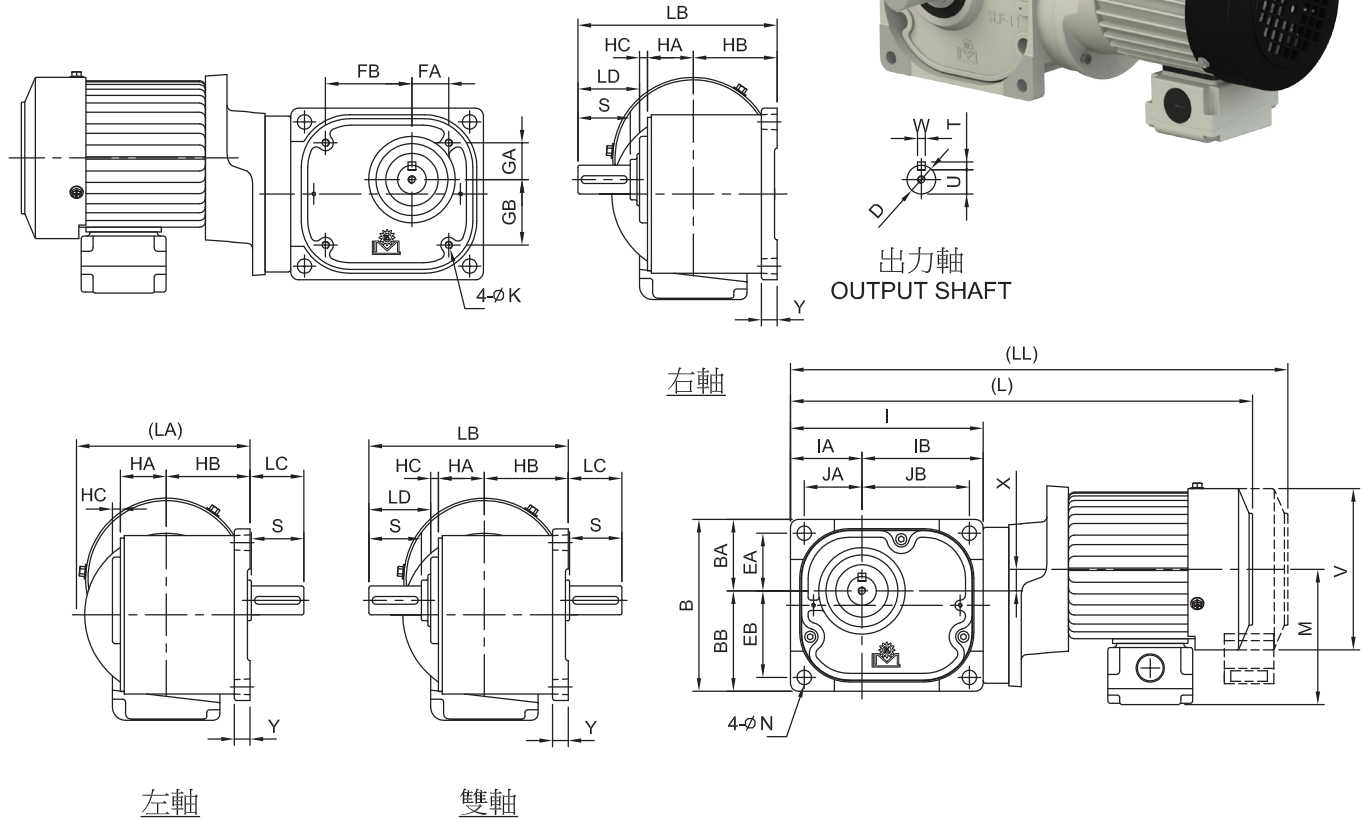
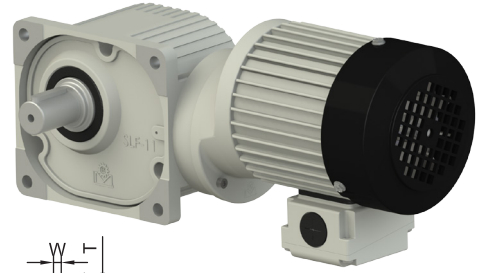
- 表中 () 內數字系表示輕荷重使用。
- 表中重量以配合三相 4P 馬達為主，其它單相、剎車、直流、特殊等馬達重量另訂。
- 表中 L 內數字以三相馬達為主，其它特殊馬達另訂。
- 馬達單頻，單雙電壓依設計所須另訂。
- 以上數值若有變更，恕不另行通知。

NOTE:

- Values shown in paranthesis () are used for light loading.
- Weights shown in the above chart are based on 3-phase 4P motors, weights for single phase, brake, DC, or special motor shall be referred to specific values.
- Values shown in 'L' column are based on 3-phase motor, other special motor Refer to specific motor refer to specific values.
- When the need arises to determine the special voltage frequency for single phase, please contact the Li-Ming application engineering team.
- Above specifications are subject to change without prior notice.

法蘭式多速比戟齒減速機
Flange High Reduction Hypoid Gear Reducer

MODEL : SLDFL



出力軸
OUTPUT SHAFT

最大容許扭力 Max. Permissible Toque			
型號 Model No.	11	12	13
扭力 Torque kg-m	10	20	40

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	JA	JB	I	IA	IB	EA	EB	B	BA	BB	FA	FB
1/8HP (0.1kW)	11	1/250~1/2500	50	90	164	62	102	50	72	146	62	84	33	73
1/4HP (0.2kW)	12		56	108	188	68	120	56	88	170	69	101	38	90
1/2HP (0.4kW)	13		70	134	234	85	149	70	104	204	85	119	48	112

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	GA	GB	HA	HB	HC	Y	X	V	M	L	LL	LA
1/8HP (0.1kW)	11	1/250~1/2500	33	55	42	65	7	14	16	137	115	390	410	134
1/4HP (0.2kW)	12		38	70	44	70	7	16	18	137	115	445	465	138
1/2HP (0.4kW)	13		48	82	51	80	6	18	25	151	120	505	510	156

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	K	N	出力軸 Output Shaft								重量 Weight (KG)
					D	S	W	T	U	LB	LC	LD	
1/8HP (0.1kW)	11	1/250~1/2500	M8	11	28	45	8	7	24	166	50	52	
1/4HP (0.2kW)	12		M8	13	32	55	10	8	27	183	61	62	
1/2HP (0.4kW)	13		M10	15	40	65	12	8	35	209	71	72	

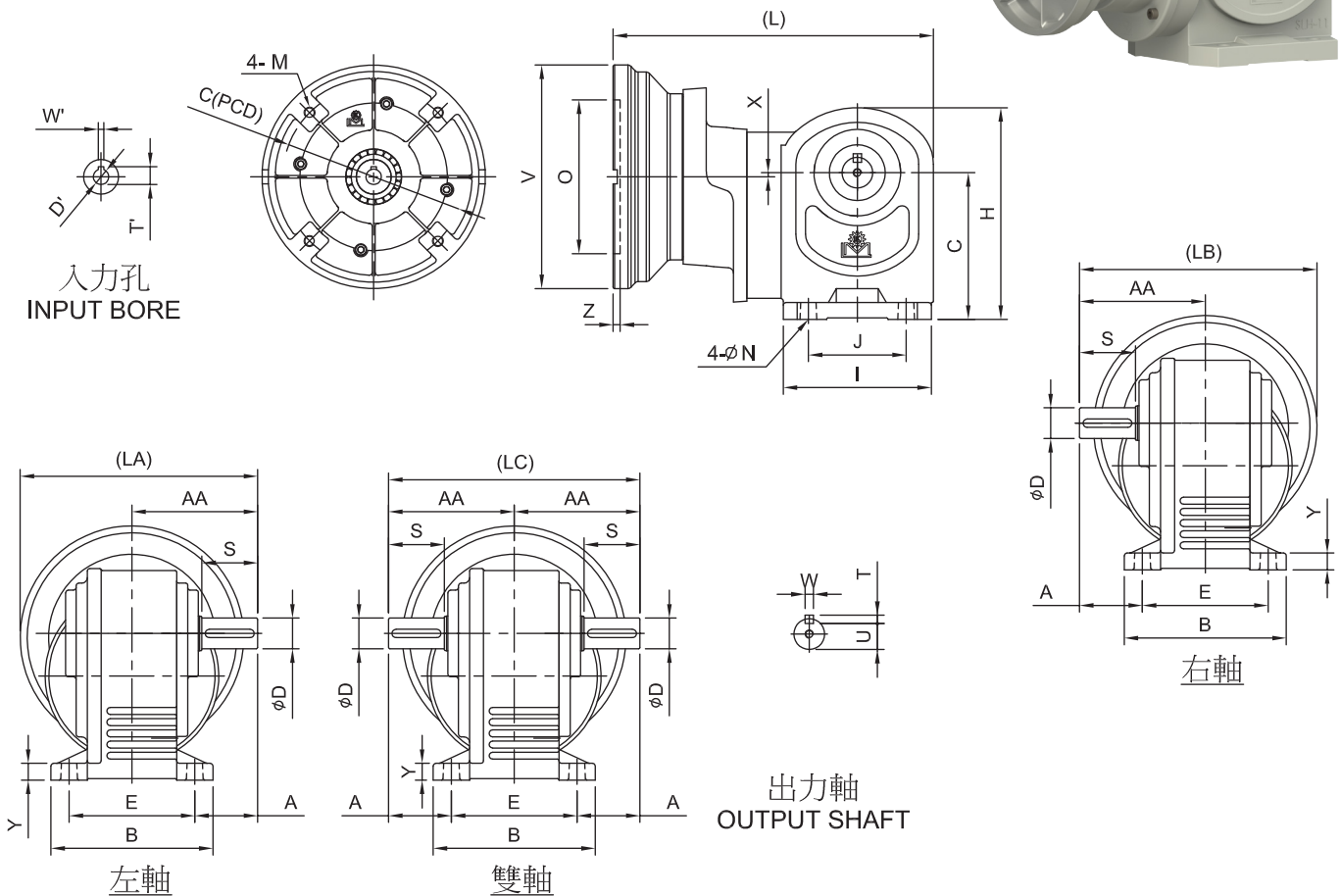
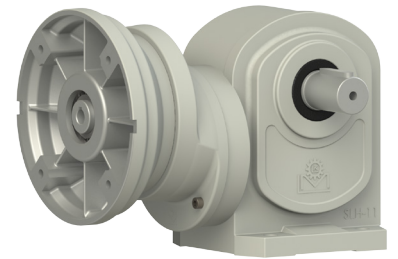
注：
 1. 表中 () 內數字系表示輕荷重使用。
 2. 表中重量以配合三相 4P 馬達為主，其它單相、剎車、直流、特殊等馬達重量另訂。
 3. 表中 L 內數字以三相馬達為主，其它特殊馬達另訂。
 4. 馬達單頻、單雙電壓依設計所須另訂。
 5. 以上數值若有變更，恕不另行通知。

NOTE：
 1.Values shown in paranthesis () are used for light loading.
 2.Weights shown in the above chart are based on 3-phase 4P motors, weights for single phase, brake, DC, or special motor shall be referred to specific values.
 3.Values shown in 'L' column are based on 3-phase motor, other special motor Refer to specific motor refet to specific values.
 4.When the need arises to determine the special voltage frequency for single phase, please contact the Li-Ming application engineering team.
 5.Above specifications are subject to change without prior notice.

■ 臥式多速馬達自裝式戟齒減速機

Horizontal High Reduction Motor-Driven Hypoid Gear Reducer

■ MODEL : SLHBL



最大容許扭力 Max. Permissible Torque			
型號 Model No.	11	12	13
扭力 Torque kg-m	10	20	40

unit: m/m

	馬力 Horse Power	V	O	Z	M	C	D'	W'	T'
輸入孔 Input Bore	1/8	160	110	5	M8	130	11	4	12.8
	1/4	160	110	5	M8	130	11	4	12.8
	1/2	160	110	5	M8	130	14	5	16.3

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	A	AA	J	I	E	B	C	H	Y	X	N	L	LA
1/8HP (0.1kW)	11	1/250~1/2500	50	100	80	127	100	126	120	177	15	14	11	250	180
1/4HP (0.2kW)	12		60	120	95	154	120	150	140	208	18	13	13	285	200
1/2HP (0.4kW)	13		70	140	120	180	140	180	165	251	20	16	15	325	225

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	LB	LC	出力軸 Output Shaft					重量 Weight (KG)
					D	S	W	T	U	
1/8HP (0.1kW)	11	1/250~1/2500	180	200	28	45	8	7	24	
1/4HP (0.2kW)	12		200	240	32	55	10	8	27	
1/2HP (0.4kW)	13		225	280	40	65	12	8	35	

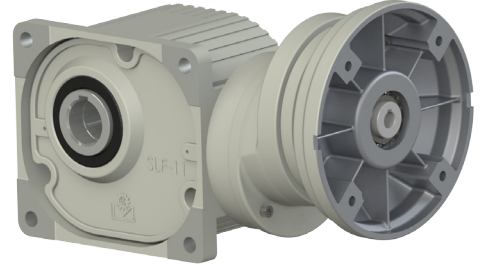
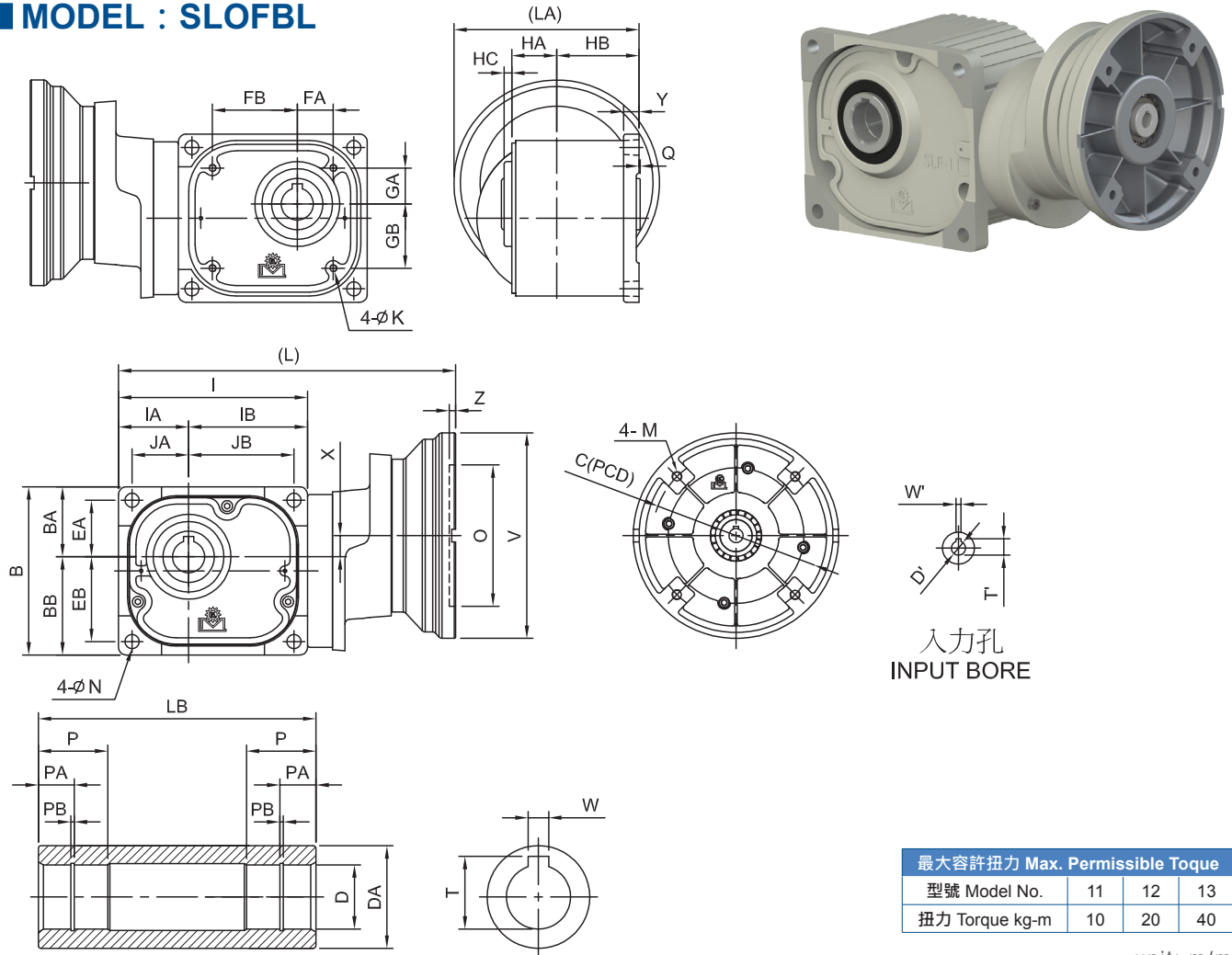
注：
1. 多速比減速機以定轉速設計，請參考齒箱最大容許扭力。
2. 以上數值若有變更，恕不另行通知。

NOTE：
1. This multistage gear reducer is designed to rotate at fixed speed. Please refer to the maximum allowable torque of the gear box.
2. Above specifications are subject to change without prior notice.

■ 法蘭式多速馬達自裝式戟齒減速機

Flange High Reduction Motor-Driver Hypoid Gear Reducer

■ MODEL : SLOFBL



入力孔
INPUT BORE

出力孔
OUTPUT BORE

最大容許扭力 Max. Permissible Torque			
型號 Model No.	11	12	13
扭力 Torque kg-m	10	20	40

unit: m/m

馬力 Horse Power	V	O	Z	M	C	D'	W'	T'
1/8	160	110	5	M8	130	11	4	12.8
1/4	160	110	5	M8	130	11	4	12.8
1/2	160	110	5	M8	130	14	5	16.3

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	JA	JB	I	IA	IB	EA	EB	B	BA	BB	FA	FB
1/8HP (0.1kW)	11	1/250~1/2500	50	90	164	62	102	50	72	146	62	84	33	73
1/4HP (0.2kW)	12		56	108	188	68	120	56	88	170	69	101	38	90
1/2HP (0.4kW)	13		70	134	234	85	149	70	104	204	85	119	48	112

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	GA	GB	HA	HB	HC	Q	Y	X	L	LA	K	N
1/8HP (0.1kW)	11	1/250~1/2500	33	55	42	65	7	1	14	16	285	145	M8	11
1/4HP (0.2kW)	12		38	70	44	70	7	1	16	18	315	150	M8	13
1/2HP (0.4kW)	13		48	82	51	80	6	1	18	25	370	160	M10	15

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	出力孔 Output Bore							重量 Weight (KG)	
			D	DA	W	T	P	PA	PB		LB
1/8HP (0.1kW)	11	1/250~1/2500	30	45	8	33.3	35	17	1.35	117	
1/4HP (0.2kW)	12		35	50	10	38.3	40	20	1.75	124	
1/2HP (0.4kW)	13		45	65	14	48.8	50	26	1.95	140	

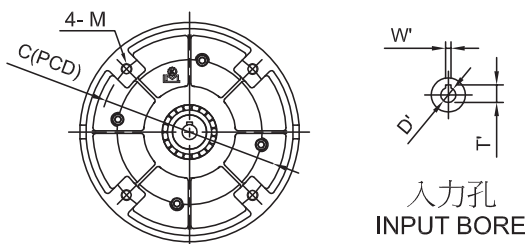
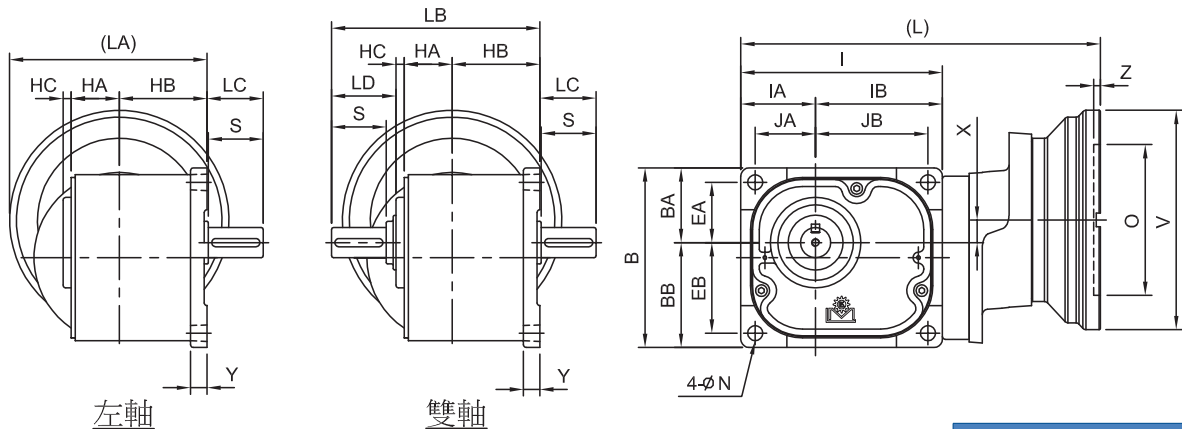
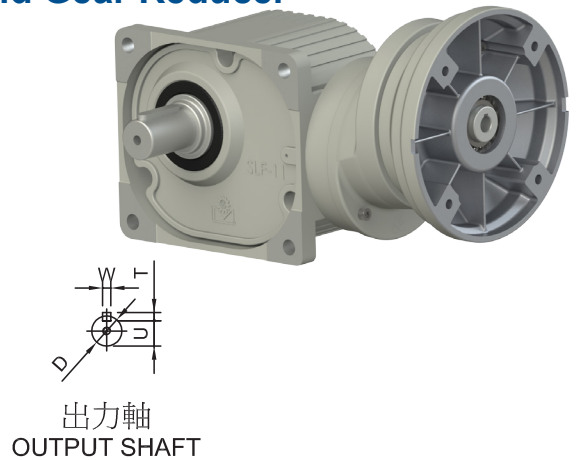
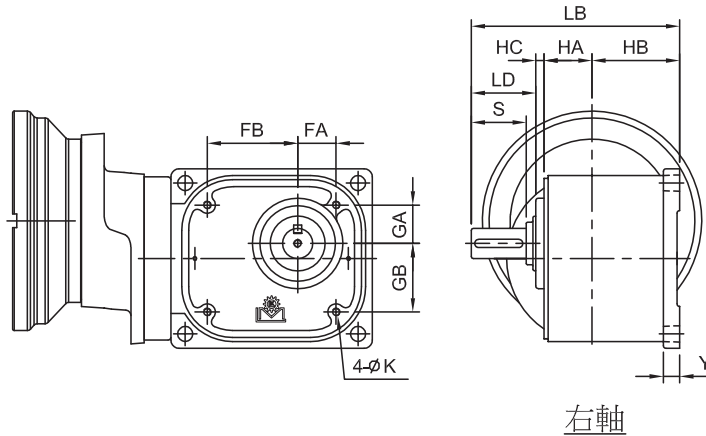
注：
1. 多速比減速機以定轉速設計，請參考齒箱最大容許扭力。
2. 以上數值若有變更，恕不另行通知。

NOTE:
1. This multistage gear reducer is designed to rotate at fixed speed. Please refer to the maximum allowable torque of the gear box.
2. Above specifications are subject to change without prior notice.

■ 法蘭式多速馬達自裝式戟齒減速機

Flange High Reduction Motor-Driver Hypoid Gear Reducer

■ MODEL : SLDFBL



最大容許扭力 Max. Permissible Torque			
型號 Model No.	11	12	13
扭力 Torque kg-m	10	20	40

unit: m/m

馬力 Horse Power	V	O	Z	M	C	D'	W'	T'
1/8	160	110	5	M8	130	11	4	12.8
1/4	160	110	5	M8	130	11	4	12.8
1/2	160	110	5	M8	130	14	5	16.3

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	JA	JB	I	IA	IB	EA	EB	B	BA	BB	FA	FB
1/8HP (0.1kW)	11	1/250~1/2500	50	90	164	62	102	50	72	146	62	84	33	73
1/4HP (0.2kW)	12		56	108	188	68	120	56	88	170	69	101	38	90
1/2HP (0.4kW)	13		70	134	234	85	149	70	104	204	85	119	48	112

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	GA	GB	HA	HB	HC	Y	X	L	LA	K	N
1/8HP (0.1kW)	11	1/250~1/2500	33	55	42	65	7	14	16	285	145	M8	11
1/4HP (0.2kW)	12		38	70	44	70	7	16	18	315	150	M8	13
1/2HP (0.4kW)	13		48	82	51	80	6	18	25	370	160	M10	15

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	出力軸 Output Shaft							重量 Weight (KG)	
			D	S	W	T	U	LB	LC		LD
1/8HP (0.1kW)	11	1/250~1/2500	28	45	8	7	24	166	50	52	
1/4HP (0.2kW)	12		32	55	10	8	27	183	61	62	
1/2HP (0.4kW)	13		40	65	12	8	35	209	71	72	

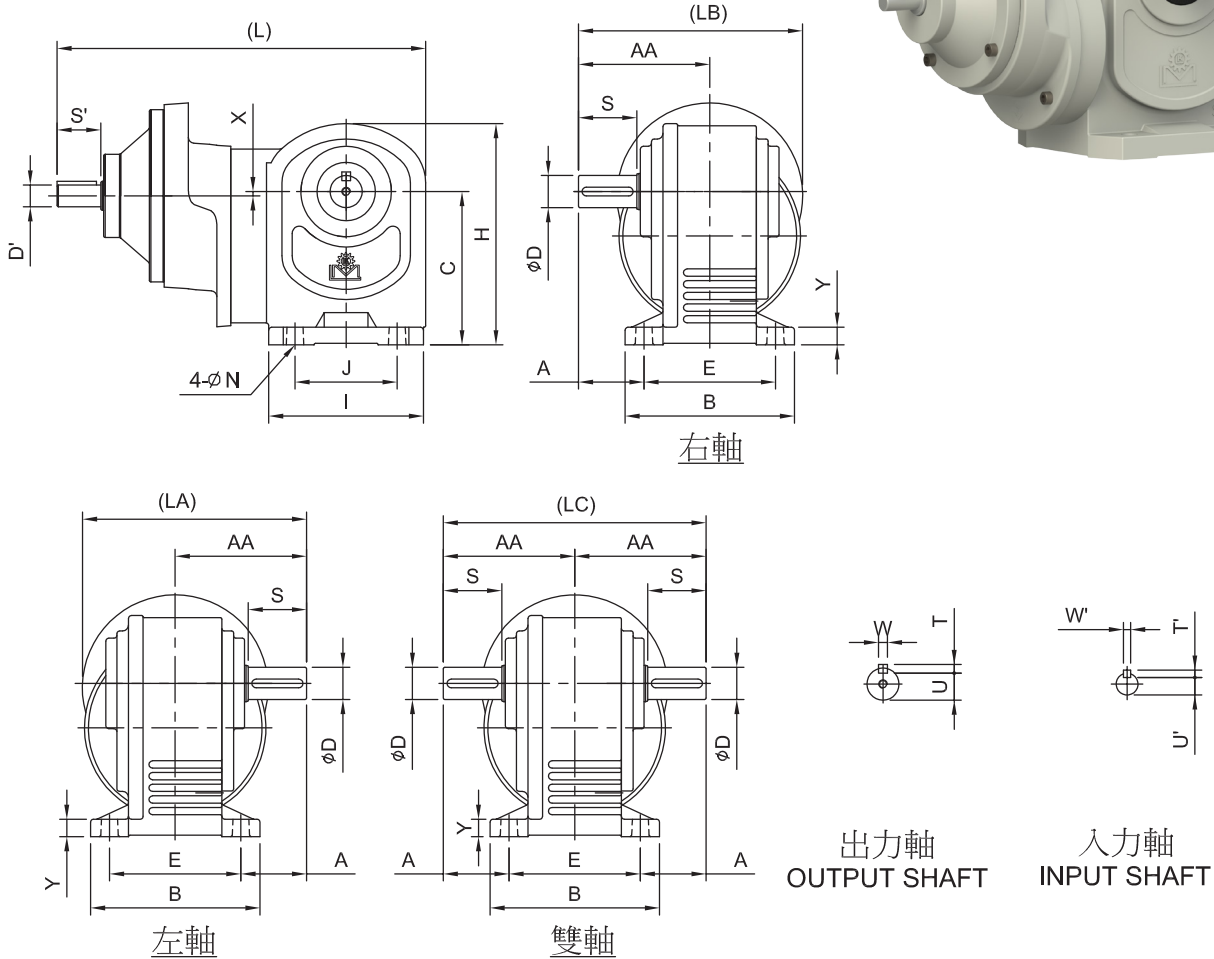
注：
1. 多速比減速機以定轉速設計，請參考齒箱最大容許扭力。
2. 以上數值若有變更，恕不另行通知。

NOTE:
1. This multistage gear reducer is designed to rotate at fixed speed. Please refer to the maximum allowable torque of the gear box.
2. Above specifications are subject to change without prior notice.

■ 臥式多速雙軸戟齒減速機

Horizontal High Reduction Double-Axle Hypoid Gear Reducer

■ MODEL : SLHDL



最大容許扭力 Max. Permissible Torque			
型號 Model No.	11	12	13
扭力 Torque kg-m	10	20	40

unit: m/m

	馬力 Horse Power	D'	S'	W'	T'	U'
入力軸 Input Shaft	1/8	12	25	4	4	9.5
	1/4	12	25	4	4	9.5
	1/2	15	30	5	5	12

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	A	AA	J	I	E	B	C	H	Y	X	N	L	LA
1/8HP (0.1kW)	11	1/250~1/2500	50	100	80	127	100	126	120	177	15	14	11	265	165
1/4HP (0.2kW)	12		60	120	95	154	120	150	140	208	18	13	13	305	196
1/2HP (0.4kW)	13		70	140	120	180	140	180	165	251	20	16	15	350	225

unit: m/m

馬力 Horse Power	型號 Model	減速比 Ratio	LB	LC	出力軸 Output Shaft					重量 Weight (KG)
					D	S	W	T	U	
1/8HP (0.1kW)	11	1/250~1/2500	165	200	28	45	8	7	24	
1/4HP (0.2kW)	12		196	240	32	55	10	8	27	
1/2HP (0.4kW)	13		225	280	40	65	12	8	35	

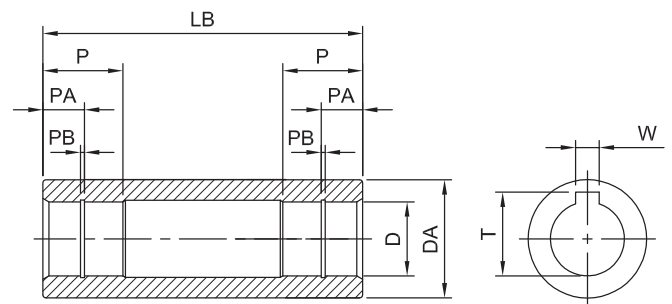
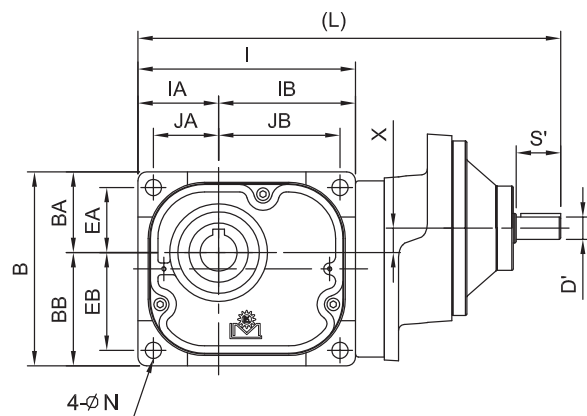
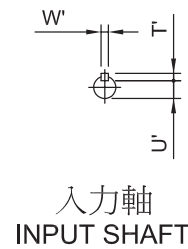
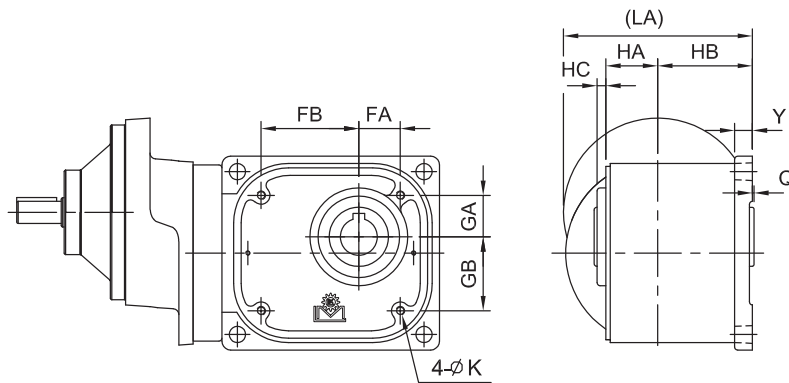
注：
1. 多速比減速機以定轉速設計，請參考齒箱最大容許扭力。
2. 以上數值若有變更，恕不另行通知。

NOTE：
1. This multistage gear reducer is designed to rotate at fixed speed. Please refer to the maximum allowable torque of the gear box.
2. Above specifications are subject to change without prior notice.

■ 法蘭式多速雙軸戟齒減速機

Flange High Reduction Double-Axle Hypoid Gear Reducer

■ MODEL : SLOFDL



出力孔
OUTPUT BORE

最大容許扭力 Max. Permissible Torque			
型號 Model No.	11	12	13
扭力 Torque kg-m	10	20	40

unit: m/m						
馬力 Horse Power	D'	S'	W'	T'	U'	
入力軸 Input Shaft	1/8	12	25	4	4	9.5
	1/4	12	25	4	4	9.5
	1/2	15	30	5	5	12

unit: m/m														
馬力 Horse Power	型號 Model	減速比 Ratio	JA	JB	I	IA	IB	EA	EB	B	BA	BB	FA	FB
1/8HP (0.1kW)	11	1/250~1/2500	50	90	164	62	102	50	72	146	62	84	33	73
1/4HP (0.2kW)	12		56	108	188	68	120	56	88	170	69	101	38	90
1/2HP (0.4kW)	13		70	134	234	85	149	70	104	204	85	119	48	112

unit: m/m														
馬力 Horse Power	型號 Model	減速比 Ratio	GA	GB	HA	HB	HC	Q	Y	X	L	LA	K	N
1/8HP (0.1kW)	11	1/250~1/2500	33	55	42	65	7	1	14	16	300	130	M8	11
1/4HP (0.2kW)	12		38	70	44	70	7	1	16	18	335	138	M8	13
1/2HP (0.4kW)	13		48	82	51	80	6	1	18	25	395	156	M10	15

unit: m/m											重量 Weight (KG)
馬力 Horse Power	型號 Model	減速比 Ratio	出力孔 Output Bore							LB	
			D	DA	W	T	P	PA	PB		
1/8HP (0.1kW)	11	1/250~1/2500	30	45	8	33.3	35	17	1.35	117	
1/4HP (0.2kW)	12		35	50	10	38.3	40	20	1.75	124	
1/2HP (0.4kW)	13		45	65	14	48.8	50	26	1.95	140	

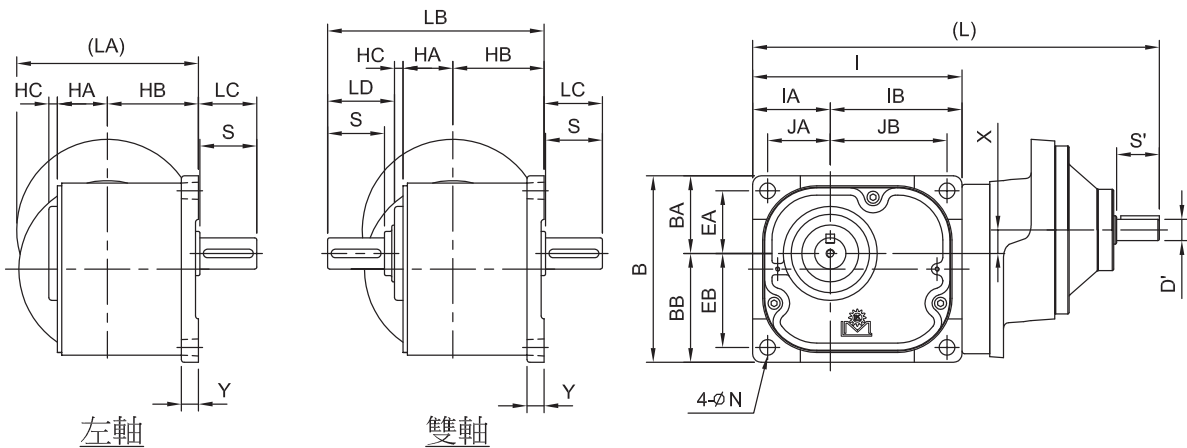
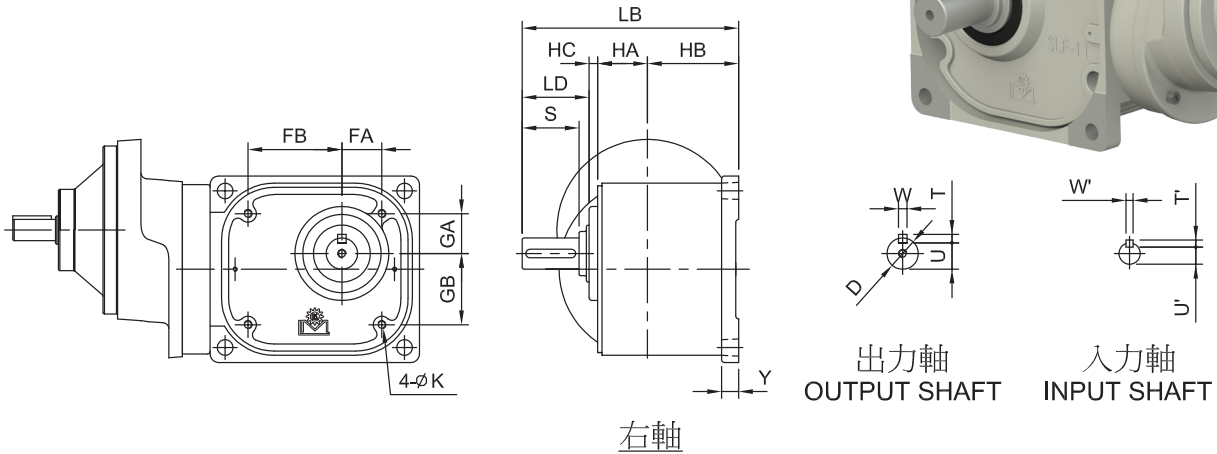
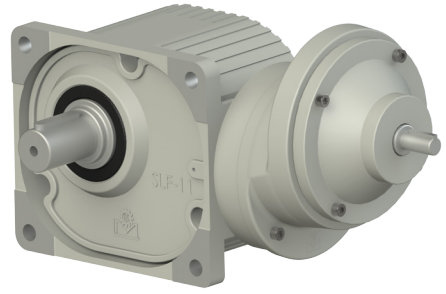
注：
1. 多速比減速機以定轉速設計，請參考齒箱最大容許扭力。
2. 以上數值若有變更，恕不另行通知。

NOTE:
1. This multistage gear reducer is designed to rotate at fixed speed. Please refer to the maximum allowable torque of the gear box.
2. Above specifications are subject to change without prior notice.

■ 法蘭式多速雙軸戟齒減速機

Flange High Reduction Double-Axle Hypoid Gear Reducer

■ MODEL : SLDFDL



最大容許扭力 Max. Permissible Torque			
型號 Model No.	11	12	13
扭力 Torque kg-m	10	20	40

unit: m/m						
	馬力 Horse Power	D'	S'	W'	T'	U'
入力軸 Input Shaft	1/8	12	25	4	4	9.5
	1/4	12	25	4	4	9.5
	1/2	15	30	5	5	12

unit: m/m														
馬力 Horse Power	型號 Model	減速比 Ratio	JA	JB	I	IA	IB	EA	EB	B	BA	BB	FA	FB
1/8HP (0.1kW)	11	1/250~1/2500	50	90	164	62	102	50	72	146	62	84	33	73
1/4HP (0.2kW)	12		56	108	188	68	120	56	88	170	69	101	38	90
1/2HP (0.4kW)	13		70	134	234	85	149	70	104	204	85	119	48	112

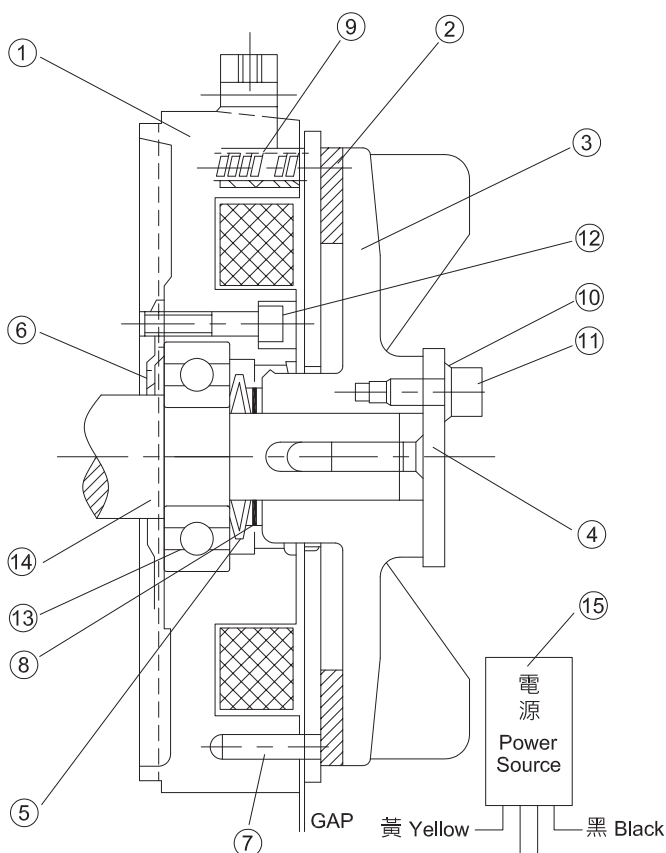
unit: m/m													
馬力 Horse Power	型號 Model	減速比 Ratio	GA	GB	HA	HB	HC	Y	X	L	LA	K	N
1/8HP (0.1kW)	11	1/250~1/2500	33	55	42	65	7	14	16	300	130	M8	11
1/4HP (0.2kW)	12		38	70	44	70	7	16	18	335	138	M8	13
1/2HP (0.4kW)	13		48	82	51	80	6	18	25	395	156	M10	15

unit: m/m											重量 Weight (KG)
馬力 Horse Power	型號 Model	減速比 Ratio	出力軸 Output Shaft							LD	
			D	S	W	T	U	LB	LC		LD
1/8HP (0.1kW)	11	1/250~1/2500	28	45	8	7	24	166	50	52	
1/4HP (0.2kW)	12		32	55	10	8	27	183	61	62	
1/2HP (0.4kW)	13		40	65	12	8	35	209	71	72	

注：
1. 多速比減速機以定轉速設計，請參考齒箱最大容許扭力。
2. 以上數值若有變更，恕不另行通知。

NOTE:
1. This multistage gear reducer is designed to rotate at fixed speed. Please refer to the maximum allowable torque of the gear box.
2. Above specifications are subject to change without prior notice.

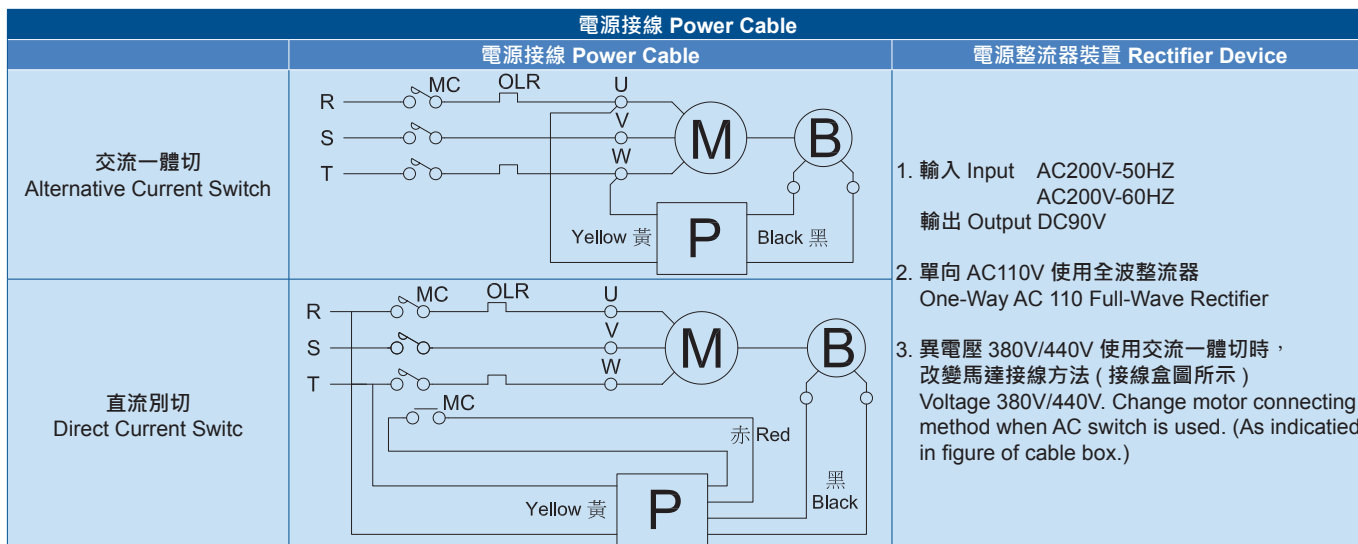
■ 直流電磁停電剎車剖面構造圖 Cross Section of DC Mcgnetic Brake System



安裝條件 (一般標準品) Installation Condition (For Standard Product)			
周圍溫度	Ambient Temperature	-5~C~40~C	
周圍濕度	Ambient Humidity	85% 以下	Below 85%
周圍環境	Ambient Condition	避免腐蝕性，爆發性氣體，水蒸汽之環境，應置於乾燥且通風良好之環境	Please place in dry and well-ventilated location. Environment with corrosive gas, inflammable gas and moisture should be avoided
場所	Location	屋內，須裝置於平坦及堅固的底部	Indoor; the product should be installed on flat and solid foundation
機高	Elevation	1000m 以下	below 1000m

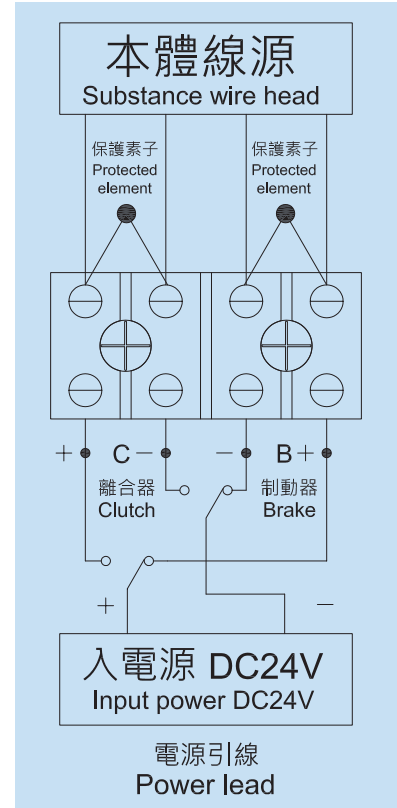
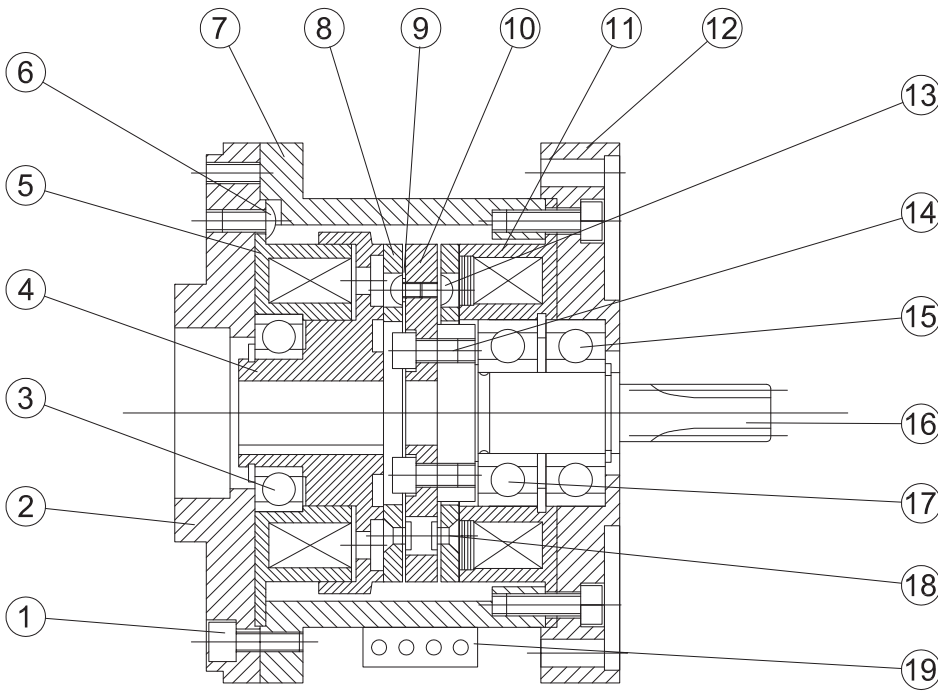
編號 NO.	零件名稱 Name of Parts	
1	托架 (附剎車線圈)	Bracket (Brake coil included)
2	剎車來令	Brake Shoe
3	外扇	Outer Fan
4	調整螺栓	Adjusting Screw
5	皿型彈簧	Tray-Type Spring
6	軸承蓋	Bearing Cover
7	彈簧銷	Spring Pin
8	墊圈	Washer
9	壓縮彈簧	Spring, Compression
10	彈簧墊圈	Washer For Spring
11	內六角螺絲	Hex. Screw
12	內六角螺絲	Hex. Screw
13	軸承	Bearing
14	馬達軸心	Motor Spindle
15	剎車電源裝置 (整流器)	Power Device For Brake (Rectifier)

剎車特性 Braking Characteristics										
出力	Force Output	(kW)	4 極	4-Pole	0.1	0.2	0.4	0.75	1.5	2.2
定柵制動	Actuation By Gradual Control	(kg-m)			0.1	0.2	0.4	0.75	1.5	2.2
釋放時間	Time of Releasing	(S)	交流一體切	Alternative Current Switch	0.1	0.07	0.10	0.12	0.14	0.15
			直流別切	Direct Current Switch	0.06	0.03	0.03	0.05	0.05	0.03
調整間隙	Clearance for Adjustment	(mm)	規定值	Specified Value	0.3	0.3	0.3	0.4	0.4	0.4
			限界值	Boundary Value	0.7	0.7	0.7	1.0	1.0	1.0



■ 電磁離合制動器剖面構造圖

Cross Section Structure of Electromagnetic Clutch Brake



編號 NO.	零件名稱 Name of Parts		編號 NO.	零件名稱 Name of Parts	
1	內六角螺絲	Hex. Screw	11	BT 磁極組	BF Magnetic Pole Section
2	法蘭面 (馬達端)	Flange (Motor Point)	12	法蘭面 (減速機端)	Flange (Decelerating Machine Point)
3	軸 承	Bearing	13	圓頭內六角螺絲	Hex. Screw in the circle
4	CR 轉子	CR Rotor	14	內六角螺栓	Hex. Screw
5	CF 磁極組	CF Magnetic Pole Section	15	軸 承	Bearing
6	圓頭內六角螺絲	Hex. Screw in the circle	16	軸 心	Spindle
7	機 體	Airframe	17	軸 承	Bearing
8	電 樞 片	Leaf Electric Armature	18	鉚 釘	Rivet
9	彈 簧 片	Leaf Spring	19	電源引線 DC24	Power Lead DC24
10	平板型導座	Conduct Base in Slab Type			

電磁離合器、制動器仕樣 Electromagnetic Cltch, Types of Brack

離合器方式	Method of Clutch	幹式直六勵磁動作形	Dried Direct Current Exciter Action Form
電 壓	Voltage	DC24V ± 10%	DC24V ± 10%
時間定格	Time Scale	連續	Continuity
絕 緣 體	Insulation	B 種	B kind
周圍溫度	Ambient Temperature	0°C ~ +40°C	0°C ~ +40°C
內襯材質	Internal Served Material	非石綿、低金屬	Non Asbestos, Low Metal
容許頻數	Allowed Frequency	80 回 / 分 (隨使用條件而變)	80 times/minute (Depends on used Condition)

電磁離合器、制動器特性 Electromagnetic Cltch, Features of Brack

規格出力 Force Output Specifications (kg)	動磨擦 Moving Friction (kgfm)	電壓 Voltage (DCV)	容量 Capacity (W)	電流 Electric Current (A)	電樞吸引時間 Engaged Time of Electric Armature (ms)	電樞釋放時間 Released Time of Electric Armature (ms)	保護素子 Protected Element	調整間隙 Clearance for Adjustment (mm)
0.1	0.50	24	11	0.46	13	12	TNR9G820K	0.2±0.05
0.2	0.50	24	11	0.46	13	12	TNR9G820K	0.2±0.05
0.4	1.00	24	15	0.63	21	15	TNR9G820K	0.2±0.05

齒輪減速機一般故障原因及改善方法 Solutions and Reasons for The Genral Faults of Reduction Gears

故障情況 Fault Description	故障原因 Reasons	解決方法 Solutions
減速機過熱 Overheation	★超負荷運轉 Overload.	★調整至適當負荷 Adjust to proper loading.
	★油封過度磨擦 Over friction of oil seal.	★在油封處滴潤滑油 Drop lubricant at oil seal.
	★出力軸與傳動裝置連接不當 Improper connection between driving shaft and the transmission device.	★調整至適當位置 Adjust to proper position.
	★衝擊荷重大 Large impact loading.	★更換較大型號減速機 Use larger reduction gears.
減速機雜音 Noise	★超負荷運轉 Overload.	★調整至適當負荷 Adjust to proper loading.
	★軸承損傷或間隙過大 Bearing damaged or too large clearance.	★更換軸承 Replace bearing.
	★潤滑油不足或劣化 Lubricant oil shortage or deterioration.	★依指示加入適量潤滑油 Fill in adequate lubricant oil as indication.
	★出力軸與傳動裝置連接不當 Improper connection between driving shaft and the transmission device.	★調整至適當位置 Adjust to proper position.
	★螺栓鬆脫 Bolt loose.	★旋緊螺栓 Tighten bolt.
	★傳動裝置固定不良 Improper installation of transmission device.	★傳動裝置固定 Fix transmission device properly.
漏油 Oil Leakage	★油封損傷 Oil seal damaged.	★更換油封 Replace oil seal.
	★油量過多 Too much oil.	★依指示加入適量潤滑油 Fill in adequate lubricant oil as indication.
	★螺絲鬆脫 Screw loose.	★旋緊螺絲 Tighten screw.
	★外殼破裂 Outside shell fractured.	★更換外殼 Replace outer shell.
出力軸不轉 Driving Shaft Cannot Rotate	★超負荷運轉 Overload.	★調整至適當負荷 Adjust to proper loading.
	★軸承損傷 Bearing damaged.	★更換軸承 Replace bearing.
	★異物嵌入 Invasion by foreign objects.	★取出異物 Take out foreign objects.
	★齒輪磨損 Gear worn-out	★更換齒輪 Replace gear.
	★馬達損壞 Motor out of order.	★修復馬達 Repair motor.
	★配線錯誤 Incorrect wiring.	★依指示配線 Wiring as indication.
	★衝擊荷重過大	★更換較大型號減速機 Use larger reduction gears.

注：

1. 以上所列为一般故障原因，如有其它故障情形時，請與本公司聯絡，我們將會提供最正確之服務。
2. 產品如經自行拆裝或更改，產生異常本公司恕不負責。

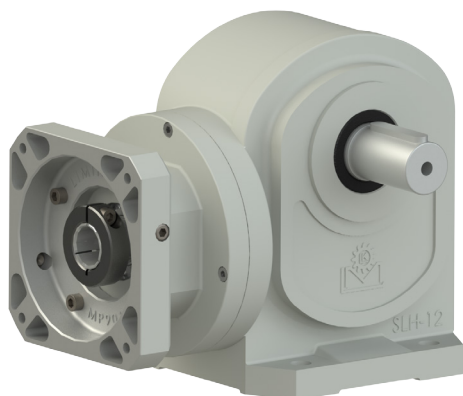
NOTES :

1. The above items are general fault descriptions. In case of other kinds of faults, please contact with us to obtain most correct services.
2. If the product has been broken off or changed, the unusual matter the company won't be in charge of the case.

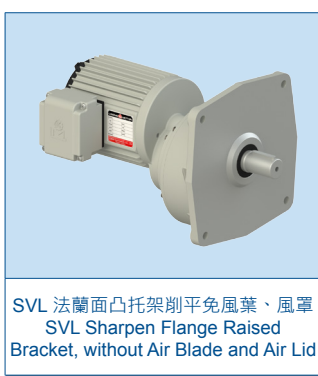
安裝條件 (一般標準品) Installation Condition (For Standard Product)		
周圍溫度	Ambient Temperature	-5°C ~ 40°C
周圍濕度	Ambient Humidity	85% 以下 Below
周圍環境	Ambient Condition	避免腐蝕性，爆發性氣體，水蒸氣之環境，應置於乾燥且通風良好之環境。 Please place in dry and well-ventilated location. Environment with corrosive gas, inflammable Gas and moisture should be avoided.
場所	Location	屋內，須裝置於平坦及堅固之底部。 Indoor; the product should be installed on flat and solid foundation.
標高	Elevation	1000m 以下 below

減速機規格 Specifications of Reduction Gear		
齒輪材料 出力軸材料	Gear Material Material of Outlet Axle	S45C(高週波) / SCM415(滲碳) / SCM440(氮化) S45C(High-frequency Wave) / SCM415(Carbonization) / SCM440(Nitrogen Hardening)
潤滑方式	Lubrication	Gresse NO.0
外殼	Shell	鋁合金 (ADC12) / 鑄鐵 (FC20) / 鋁合金 (A380) Aluminum Alloy(ADC12) / Cast Iron(FC20)

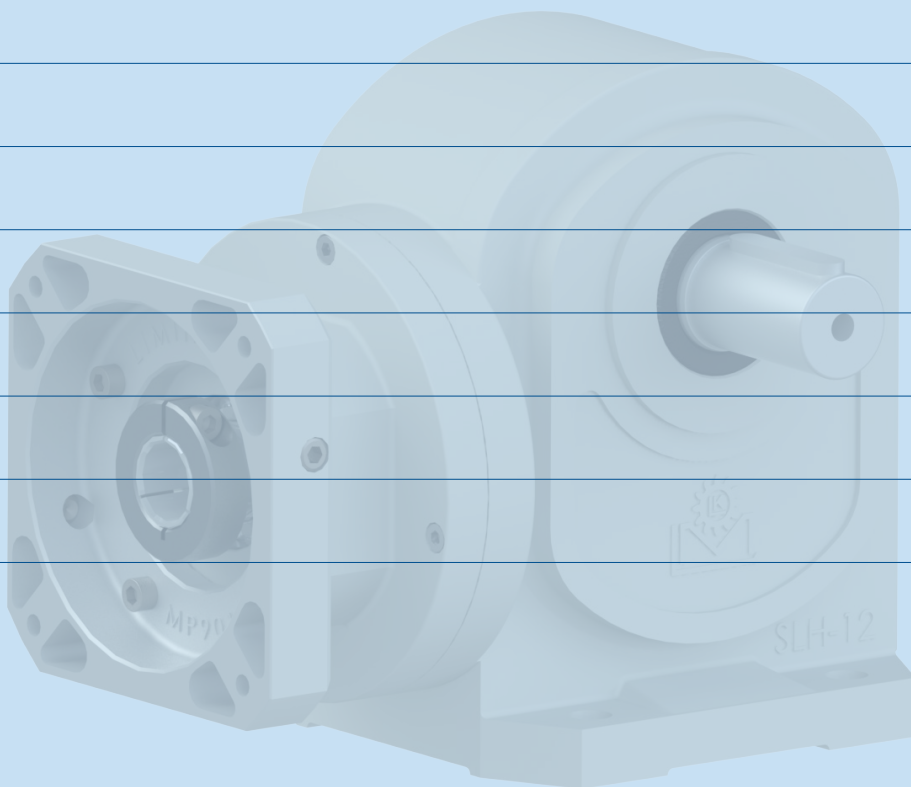
馬達規格 Motor of Reduction Gear					
相數	Phase No	三相	3-phase	單相	Single-phase
外被構造	Enclosure Structure	全閉外扇 (0.1kW~2.2kW)	Closed with External-fan (0.1kW~2.2kW)	全閉外扇 (0.1kW~2.2kW)	Closed with External-fan (0.1kW~2.2kW)
啟動方式	Start-up Method	直接啟動	Direct	電容運轉 電容啟動運轉	Capacitor Capacitor Motor (Variable Capacitor)
頻率	Frequency	50HZ / 60HZ		50HZ / 60HZ	
電壓	Voltage	415V 220 / 380V	460V 220 / 440V	110 / 220V	
時間定格	Time Scale	連續	Continuous	連續	Continuous
極數	Pole No	4 極	Four	4 極	Four
絕緣	Insulation	E 級	E Grade	E 級	E Grade

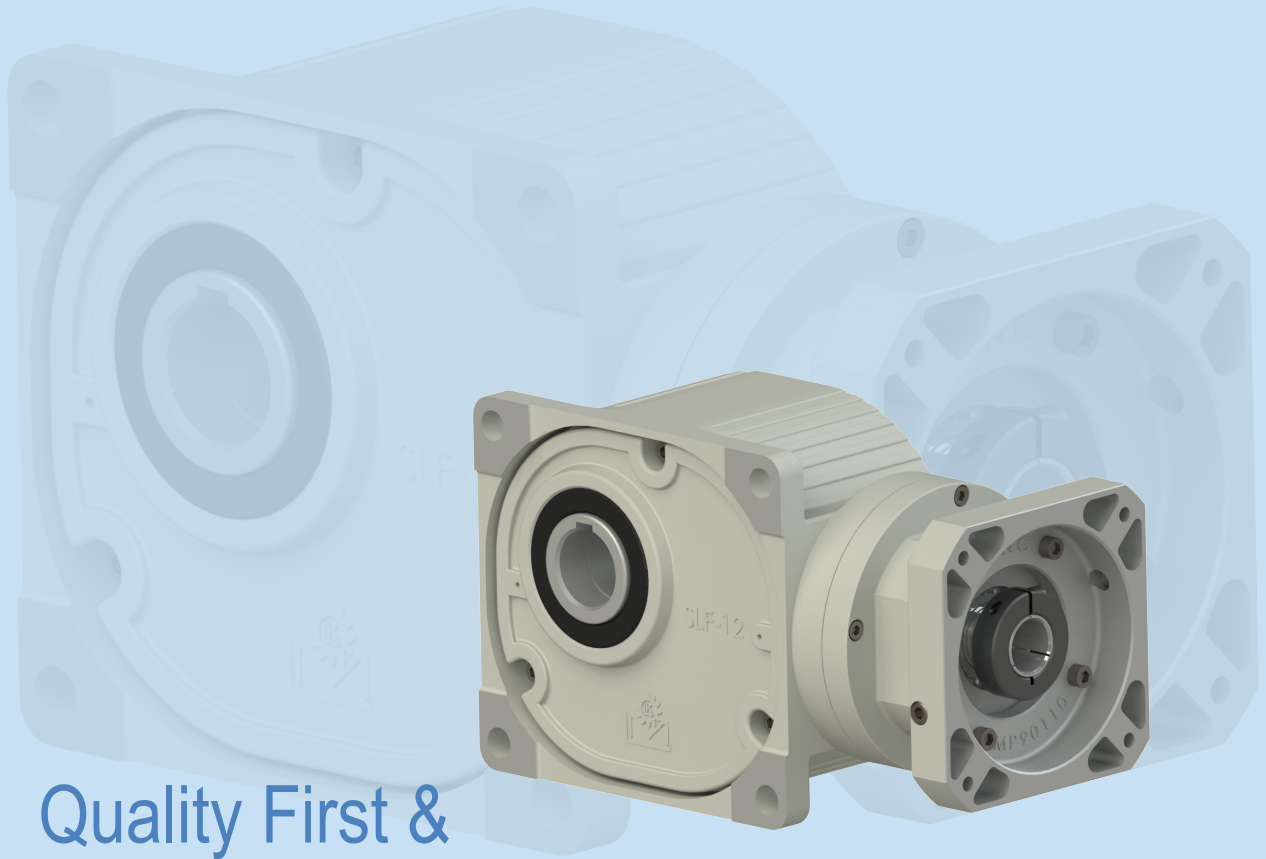


■ 特殊用途減速機
Special Purpose Speed Reducer



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2018 年 3 月版

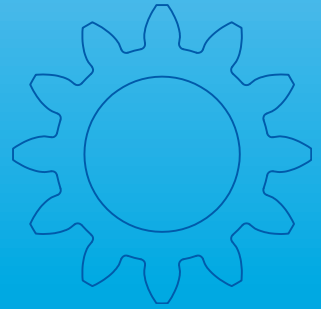
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March, 2018

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