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VARiTRON® 驅動科技系列產品 Gear Transmission Technologies

VARiTRON®
Take Control In Speed

驅動科技系列產品
Power Transmission Technologies

台灣 中國變速工程股份有限公司
Varitron Engineering (Taiwan) Co., Ltd.

台灣新北市五股區中興路一段171巷45號
No.45, Ln.171, Sec.1, Zhongxing Rd.,
Wugu Dist., New Taipei City, Taiwan
TEL:+886-2-2988-9598
FAX:+886-2-2985-0998
EMAIL:sales@c-var.com



Compact Design Helical Gear Motor Reducers

小型齒輪減速機

Varitron Compact design helical gear motor reducers series are easy installation with low noise, high efficiency, light weight and compact design with satisfactory functions. The cutting edge technology provided by Varitron contributes gear motor to be silence, high gear efficiency and easy maintenance.

中國變速齒輪減速機根據日本JIS國家標準專業設計之齒輪，高效率、高強度、低噪音。零件精加工更加靜音，傳動效率提高。高效率緊湊設計齒輪減速機，體積小、重量輕、免保養、低噪音、優化設計。

品質與低噪音

每台由中國變速公司生產製造之齒輪減速機，均經過運轉測試，確保噪音值絕對低於標準值內。

高壽命&高精度加工

所有齒輪及軸心均採以CNC電腦數控工具機精密加工。再施以熱處理加工，達到高耐用度以及不會有長期使用後產生間隙過大之問題。而且經熱處理的特殊鋼材更能夠維持長時間使用下依然低噪音的優點。

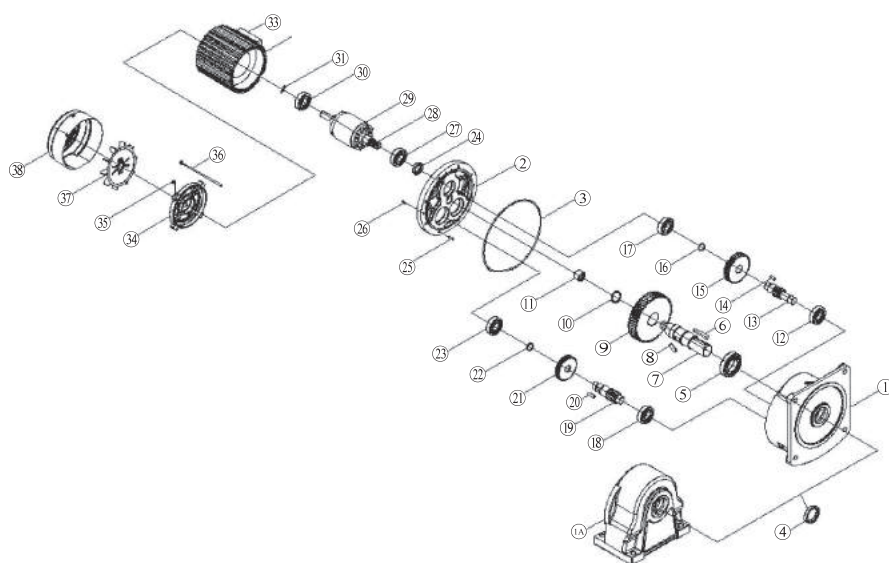
Quality & Silence

Every Gear Motor manufactured by Varitron, goes through a series of running tests to confirm within quality standard.

Long service life with high precision manufacturing

Gears and shaft are manufactured with precision machined and carburized, then for precision tooth grinding or skiving assures long service life.

Construction Drawing 構造圖



GH: Foot Mount Helical Gearmotor



Item 項次	Component 零組件		Item 項次	Component 零組件		Item 項次	Component 零組件	
1	GV Housing	馬達	13	3 rd Pinion Gear	三段小齒輪	26	Inner Hex Screw	內六角螺絲
1A	GH Housing	臥式本體	14	Key	鍵	27	Ball Bearing	軸承
2	Housing Cover	本體蓋	15	2 nd Main Gear	二段大齒輪	28	Motor Gear Shaft	馬達齒軸
3	O-Ring	O型環	16	Shaft-Circlip	C型扣環	29	Rotor	轉子
4	Oil Seal	出力軸油封	17	Ball Bearing	軸承	30	Ball Bearing	軸承
5	Ball Bearing	軸承	18	Ball Bearing	軸承	31	Spring Washer	彈簧墊片
6	Key	鍵	19	2 nd Pinion Gear	二段小齒輪	32	Stator	線圈
7	Output Shaft	出力軸	20	Key	鍵	33	Terminal Box	接線盒
8	Key	鍵	21	1 st Main Gear	一段大齒輪	34	Back Shield	馬達後蓋
9	3 rd Main Gear	三段大齒輪	22	Shaft-Circlip	C型扣環	35	Fan Cover Screw	風罩螺絲
10	Shaft-Circlip	C型扣環	23	Ball Bearing	軸承	36	Motor Screw	線圈螺絲
11	Self-lubricated Bearing	自潤軸承	24	Oil Seal	入力軸油封	37	Cooling Fan	風扇葉片
12	Ball Bearing	軸承	25	Pin	圓柱銷	38	Fan Cover	風罩

How to order 選型

GH 28 – 400 – 60 – B – S – T1

① ② ③ ④ ⑤ Option 選配 ⑥ ⑦

①	Model 型式	GH: Foot Mount Helical Gearmotor 腳座型齒輪減速馬達 GHM: Foot Mount Helical Gear Reducer with Adaptor 腳座直結型齒輪減速機 GHD: Foot Mount Helical Gear Reducer with Input Shaft 腳座入力軸型齒輪減速機 GV: Flange Mount Helical Gearmotor 法蘭型齒輪減速馬達 GVM: Flange Mount Helical Gear Reducer with Adaptor 法蘭直結型齒輪減速機 GVD: Flange Mount Helical Gear Reducer with Input Shaft 法蘭入力軸型齒輪減速機 GVV: Helical Gear Motor Agitator 齒輪攪拌機
②	Frame Size 型號	18,22,28,32,40,50 ... Refer to each model. 請參考各形式頁面
③	Motor Power 馬力 (W)	75,100,200,400,550,750,1500,2200,3700
④	Ratio 減速比	Refer to Performance Chart page 128~129. 請參考性能表第 128~129 頁
⑤	Suffix 特殊 (Option 選配)	Empty if non 無記號: 無特殊 B: With Brake 附剎車 BC: With Brake and Clutch 剎車離合器 DC: DC motor 直流馬達 F: External Fan 獨立風扇 W: Outdoor 屋外型 AVM: Speed Variator 無段變速機 AV: Inverter Motor 變頻馬達 EP: IE3 Premium Efficiency 超高效率馬達 S: Special 特殊
⑥	Voltage 電壓	A: 1-Phase 單相 110/220V, 50/60Hz S1: 3-Phase 三相 220/380V, 50/60Hz S2: 3-Phase 三相 200-220/400-440V, 50/60Hz S4: Others 其他 S3: 3-Phase 三相 230-240/460-480V, 50/60Hz
⑦	Terminal Box Direction 電器盒方向	T1 (Standard 標準), T2, T3, T4

※ For GVV Helical Gear Motor Agitator details, refer to Agitator. GVV 齒輪攪拌機詳細規格內容請參考攪拌機頁面。

※ Dimensions and specifications in the catalog are subject to change without notice. 尺寸及規格若有變動，將不另行通知。

Model 型式 ①

GH	GHM	GHD
		
GV	GVM	GVD
		

Terminal Box Direction 電器盒方向 ⑦

T1 (Standard 標準)	T2	T3	T4
			

Gearmotor Performance Chart 齒輪減速馬達性能表 ④

Frame Size 型號	W (HP)	Nominal Ratio 公稱減速比	Actual Ratio 實際減速比	Output RPM 輸出轉速		Output Torque 輸出扭矩 kgf.m		Frame Size 型號	W (HP)	Nominal Ratio 公稱減速比	Actual Ratio 實際減速比	Output RPM 輸出轉速		Output Torque 輸出扭矩 kgf.m	
				50Hz	60Hz	50Hz	60Hz					50Hz	60Hz		
18	100 (1/8)	3	3.1	436	532	0.17	0.13	22	400 (1/2)	3	3.1	445	542	0.75	0.60
		4	3.9	346	423	0.24	0.19			5	5.1	271	329	1.20	1.00
		5	5.0	270	330	0.30	0.25			6	6.3	219	267	1.48	1.24
		8	7.4	182	223	0.46	0.38			7	7.3	189	230	1.80	1.50
		10	10.3	131	160	0.60	0.50			8	8.3	166	202	1.92	1.60
		13	13.2	102	125	0.74	0.66			10	10.4	133	161	2.40	2.00
		15	15.0	90	110	0.90	0.75	200 (1/4)	100	105.8	12.8	15.6	11.6	9.70	
		20	21.0	64.3	78.6	1.20	1.00		120	123.9	10.9	13.3	14.0	11.6	
		25	26.8	50.4	61.6	1.50	1.20		140	138.4	9.8	11.9	15.7	13.1	
		30	32.1	42.1	51.4	1.80	1.50		150	152.3	8.9	10.8	17.5	14.6	
		40	41.1	32.8	40.1	2.30	1.90		180	181.1	7.5	9.1	20.9	17.4	
		50	49.1	27.5	33.6	2.90	2.40		200	199.3	6.8	8.28	23.0	19.1	
	200 (1/4)	3	3.1	436	532	0.30	0.25		15	15.6	88.5	108	3.60	3.00	
		4	3.9	346	423	0.45	0.38		20	20.1	68.7	83.6	4.80	4.00	
		5	5.0	270	330	0.60	0.50		25	25.7	53.7	65.4	6.00	5.00	
		8	7.4	182	223	0.93	0.76		30	30.9	44.7	54.4	7.20	6.00	
		10	10.3	131	160	1.20	1.00		35	36.2	38.1	46.4	8.40	7.00	
		60	61.1	22.1	27	3.50	2.90		400 (1/2)	40	39.8	34.7	42.2	9.30	7.80
22	100 (1/8)	75	75.2	18.0	21.9	4.40	3.60	50		53.3	25.9	31.5	11.6	9.70	
		80	83.4	16.2	19.8	4.80	4.00	60		59.6	23.2	28.2	14.0	11.6	
		90	95.9	14.1	17.2	5.31	4.46	70		68.8	20.1	24.4	16.2	13.4	
		100	106.4	12.7	15.5	5.80	4.90	80		76.9	17.9	21.8	17.5	14.6	
		110	106.9	12.6	15.4	5.82	4.92	90		88.1	15.7	19.1	20.0	16.7	
		120	118.7	11.4	13.9	7.00	5.80	3		3.1	452	548	1.60	1.00	
		140	144.4	9.3	11.4	9.60	8.00	5		4.9	286	347	2.30	1.90	
		160	161.1	8.4	10.2	10.7	8.90	7		7.1	197	239	3.28	2.83	
		180	178.7	7.6	9.2	11.7	9.87	10		10.5	133	162	4.50	3.80	
		200 (1/4)	15	15.4	87.7	107.1	1.80	1.50		13	13.6	103	125	5.39	4.46
			20	20.3	66.5	81.3	2.40	2.00		15	17.4	80.5	97.7	6.90	5.70
			25	25.1	53.8	65.7	3.00	2.50	20	20.9	67.0	81.3	9.10	7.50	
	30		31.9	42.3	51.7	3.60	3.00	25	24.5	57.1	69.4	11.3	9.40		
	35		35.6	37.9	46.3	4.10	3.45	30	27.1	51.7	62.7	13.6	11.3		
	40		39.9	33.8	41.4	4.60	3.90	750 (1)	100	99.1	13.9	17	23.3	19.4	
	45		46.4	29.1	35.6	5.40	4.50		110	110.5	12.5	15.2	25.6	21.3	
	50		51.5	26.2	32	5.80	4.80		120	123.8	11.1	13.6	28.0	23.3	
	60		61.1	22.1	27	7.00	5.80		130	131.1	10.5	12.8	31.8	26.2	
75	75.2		18.0	21.9	8.70	7.30	150		146.2	9.4	11.5	35.5	29.2		
80	83.4		16.2	19.8	9.60	8.00	160		163.8	8.4	10.3	39.7	32.6		
90	95.9		14.1	17.2	9.90	8.20	180		182.1	7.6	9.2	43.0	36.0		
						200	204.1		6.8	8.23	43.0	36.0			

※ For higher ratio, contact Varitron® or your sales personal. 如需更高減速比，請洽中國變速。

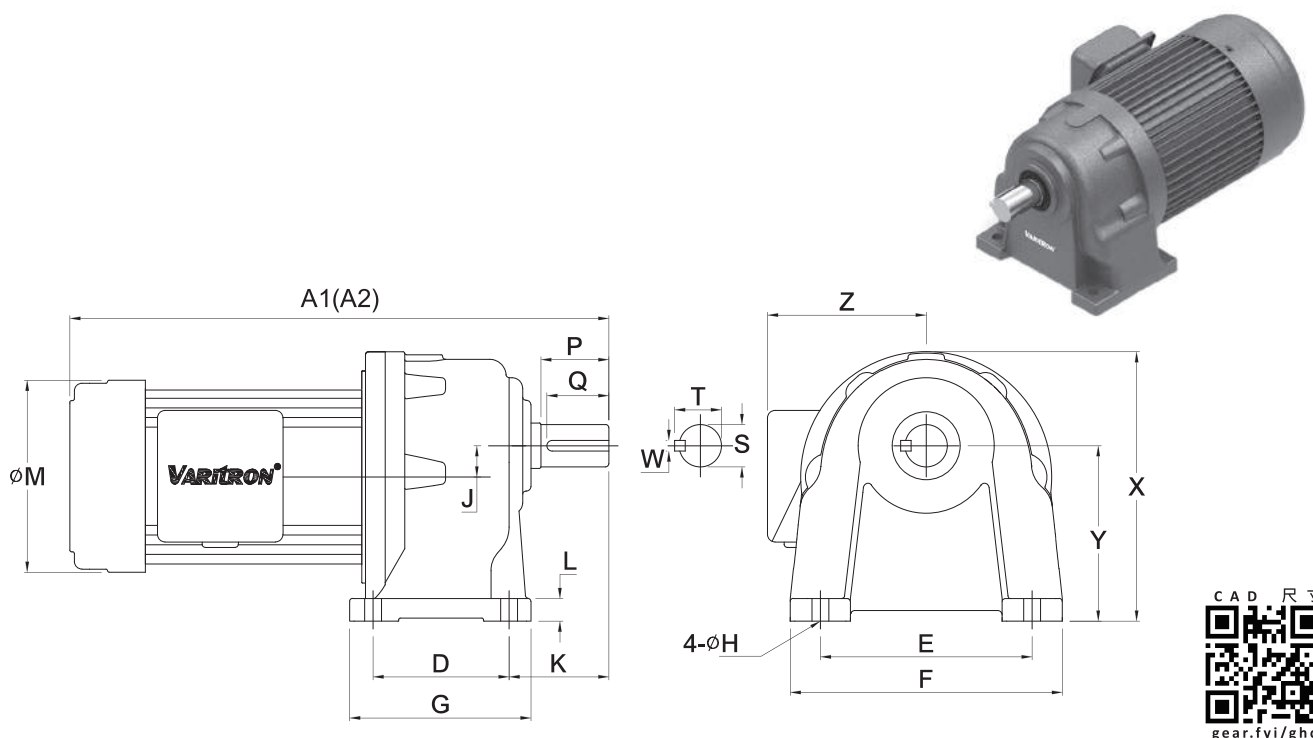
Gearmotor Performance Chart 齒輪減速馬達性能表 ④

Frame Size 型號	W (HP)	Nominal Ratio 公稱減速比	Actual Ratio 實際減速比	Output RPM 輸出轉速		Output Torque 輸出扭矩 kgf.m		Frame Size 型號	W (HP)	Nominal Ratio 公稱減速比	Actual Ratio 實際減速比	Output RPM 輸出轉速		Output Torque 輸出扭矩 kgf.m	
				50Hz	60Hz	50Hz	60Hz					50Hz	60Hz	50Hz	60Hz
32	750 (1)	40	40.1	35.0	42.4	17.5	14.6	40	2200 (3)	10	10.7	132	161	13.4	11.2
		50	51.3	27.3	33.1	21.9	18.3			15	15.3	92.2	112	20.0	16.8
		60	64.2	21.8	26.5	26.3	21.9			20	21.3	66.2	80.8	26.8	22.4
		70	67.3	20.8	25.3	29.5	24.6			25	27.7	50.9	62.1	33.6	28.0
		75	75.1	18.6	22.6	32.9	27.4			30	29.7	47.5	57.9	40.0	33.0
		80	84.2	16.6	20.2	36.5	30.6			40	40.7	34.6	42.3	52.0	43.0
		100	99.1	14.1	17.2	43.0	36.0			45	46.3	30.7	37.4	56.3	46.7
		110	110.5	12.7	15.4	47.9	40.0			50	53.5	26.4	32.5	65.0	54.0
	1500 (2)	120	123.8	11.3	14	52.0	43.0		3700 (5)	60	66.5	21.2	25.9	78.0	65.0
		3	3.1	455	555	2.50	2.00			4	4.1	346	422	6.0	5.5
		5	5.1	276	337	4.50	3.70			5	5.1	278	339	10.0	9.0
		8	7.8	181	221	6.75	5.60			8	7.8	182	222	15.3	13.8
		10	10.3	137	167	9.00	7.50			10	10.7	133	162	20.0	18.0
		15	15.1	93.4	114	13.6	11.3			15	15.3	92.8	113	32.0	30.0
		20	20.1	70.1	85.6	18.0	15.1			20	21.3	66.7	81.2	43.0	36.0
		25	25.1	56.2	68.5	22.6	18.9			25	27.7	51.3	62.5	54.0	50.0
40	750 (1)	30	32.1	44.0	53.6	27.2	22.6		1500 (2)	125	124.4	11.3	13.8	105	88.0
		120	119.4	11.7	14.2	52.0	43.0			140	138.9	12.4	12.4	115	97.4
		140	136.1	10.3	12.5	56.9	47.2			160	156.9	9.0	11.0	130	110
		150	155.6	9.0	10.9	65.0	54.0			180	172.9	8.2	9.9	143	121
		160	157.2	8.9	10.8	74.7	71.7			200	195.2	7.2	8.8	165	145
		180	177.2	7.9	9.59	78.0	73.0		2200 (3)	75	75.1	18.8	22.9	98.0	85.0
	1500 (2)	200	204.7	6.8	8.3	78.0	73.0			80	79.0	17.8	21.8	105	93.4
		30	31.4	44.9	55	27.2	22.6			90	88.2	16.0	19.5	115	100
		40	40.9	34.5	42.1	35.0	29.1			100	99.6	14.2	17.3	126	105
		50	49.9	28.3	34.5	43.7	36.4			110	109.8	12.8	15.7	143	124
		55	53.5	26.4	32.1	46.9	39.0			120	124.1	11.4	13.9	150	145
		60	60.1	23.5	28.6	52.0	43.0		3700 (5)	30	30.2	47.0	57.3	56.0	59.0
		70	68.4	20.6	25.1	57.2	47.7			40	40.2	35.3	43.0	86.0	79.0
		80	78.9	17.9	21.8	66.0	55.0			50	50.7	28.0	34.1	106	98.0
		90	86.1	16.4	19.9	72.0	60.0			60	59.5	23.9	29.1	126	115
		100	98.1	14.4	17.5	87.0	73.0			75	75.1	18.9	23.0	130	130
	2200 (3)	110	113.3	12.4	15.2	100	84.3			80	79.0	18.1	21.9	130	130
		120	119.4	11.8	14.4	105	88.0			90	88.2	16.1	19.6	130	130
		4	4.1	344	420	4.0	3.5			100	99.6	14.3	17.4	130	130
		5	5.1	276	337	6.7	5.6			110	109.8	12.9	15.8	130	130
		8	7.8	181	221	10.0	8.3			120	124.1	11.4	13.9	130	130

※ For higher ratio, contact Varitron® or your sales personal. 如需更高減速比，請洽中國變速。

GH Foot Mount Helical Gearmotor 腳座型齒輪減速馬達

Dimensions 外型尺寸表



HP 馬力③ (W)	Frame Size 型號②	Ratio 減速比④	A1	A2	J	K	M	X	Y	Z	Foot Stock 腳座						Output Shaft 出力軸					Weight 重量 (kg)
											D	E	F	G	H	L	P	Q	S	T	W	
1/10HP4P (75W)	GH18	3-200	265	265	16	48	127	132	88.5	105	40	110	135	65	9	10	30	25	18	20	5	5.2
	GH22	250-1800	355	355	18.2	56	127	152	97.5	105	65	130	163	90	11	15	40	35	22	25	7	10
1/8HP4P (100W)	GH18	3-50	255	275	16	48	127	132	88.5	105	40	110	135	65	9	10	30	25	18	20	5	5.3
	GH22	60-200	285	305	18.2	56	127	152	97.5	105	65	130	163	90	11	15	40	35	22	25	7	6.9
	GH28	250-1800	385	405	20.8	66	127	180	116	105	90	140	180	120	11	15	45	40	28	31	7	12
1/4HP4P (200W)	GH18	3-10	275	295	16	48	127	132	88.5	105	40	110	135	65	9	10	30	25	18	20	5	6.7
	GH22	15-90	307	327	18.2	56	127	152	97.5	105	65	130	163	90	11	15	40	35	22	25	7	8.6
	GH28	100-200	330	350	20.8	66	127	180	116	105	90	140	180	120	11	15	45	40	28	31	7	11
	GH32	250-1800	475	485	30.2	76	127	210	138.5	105	130	170	215	160	13	20	55	50	32	35.5	10	28
1/2HP4P (400W)	GH22	3-10	327	340	18.2	56	127	152	97.5	105	65	130	163	90	11	15	40	35	22	25	7	11
	GH28	15-90	357	370	20.8	66	127	180	116	105	90	140	180	120	11	15	45	40	28	31	7	14
	GH32	100-200	385	405	30.2	76	127	210	138.5	105	130	170	215	160	13	20	55	50	32	35.5	10	26
	GH40	250-1800	525	545	42.2	85	127	255	160	105	150	210	260	185	15	23	65	60	40	43.5	10	41
3/4HP4P (550W)	GH28	3~90	360	400	20.8	66	165	180	116	125	90	140	180	120	11	15	45	40	28	31	7	14
	GH32	95~200	395	420	30.2	76	165	210	138.5	125	130	170	215	160	13	20	55	50	32	35.5	10	27
1HP4P (750W)	GH28	3-25	375	415	20.8	66	165	180	116	125	90	140	180	120	11	15	45	40	28	31	7	15
	GH32	30-120	410	435	30.2	76	165	210	138.5	125	130	170	215	160	13	20	55	50	32	35.5	10	28
	GH40	125-200	435	465	42.2	85	165	255	160	125	150	210	260	185	15	23	65	60	40	43.5	10	42
	GH50	250-1800	580	615	51.4	100	165	320	200	125	170	265	330	220	19	25	80	75	50	54	14	68
2HP4P (1500W)	GH32	3-30	440	480	30.2	76	190	210	138.5	145	130	170	215	160	13	20	55	50	32	35.5	10	32
	GH40	40-120	465	500	42.2	85	190	255	160	145	150	210	260	185	15	23	65	60	40	43.5	10	46
	GH50	125-180	515	555	51.4	100	190	320	200	145	170	265	330	220	19	25	80	75	50	54	14	71
3HP4P (2200W)	GH40	4-60	495	-	42.2	85	215	255	160	160	150	210	260	185	15	23	65	60	40	43.5	10	48
	GH50	70-120	530	-	51.4	100	215	320	200	160	170	265	330	220	19	25	80	75	50	54	14	73
5HP4P (3700W)	GH40	4-25	510	-	42.2	85	215	255	160	160	150	210	260	185	15	23	65	60	40	43.5	10	50
	GH50	30-120	545	-	51.4	100	215	320	200	160	170	265	330	220	19	25	80	75	50	54	14	75

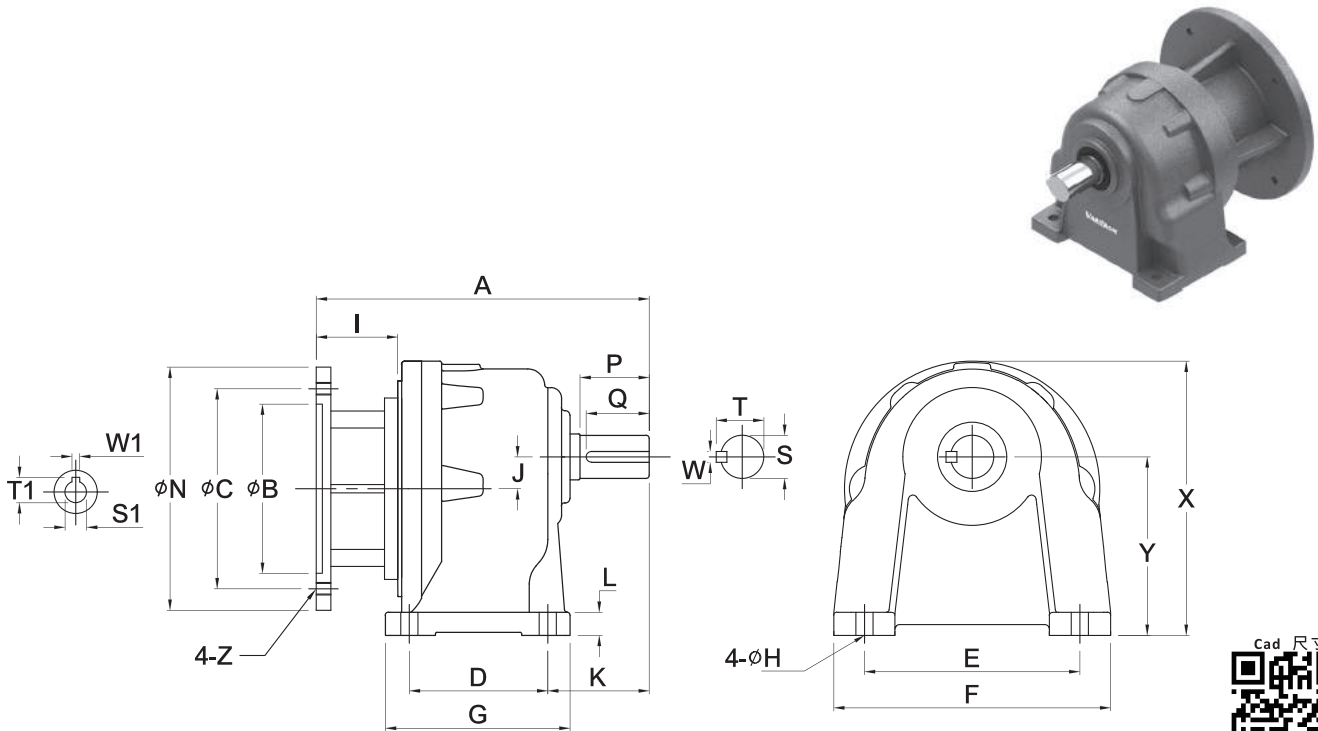
※ A1: 3-Phase Motor. 三相馬達尺寸。 ※ A2: Single Phase Motor. 單相馬達尺寸。

※ For larger model sizes, refer to Helical Gear Motor Reducers Series. 如需更大馬力規格請參考齒輪減速機系列。

※ For brake model contact Varitron®. 如需齒輪減速機剎車馬達尺寸，請洽中國變速。

GHM Foot Mount Helical Gear Reducer with Adaptor 腳座直結型齒輪減速機

Dimensions 外型尺寸表

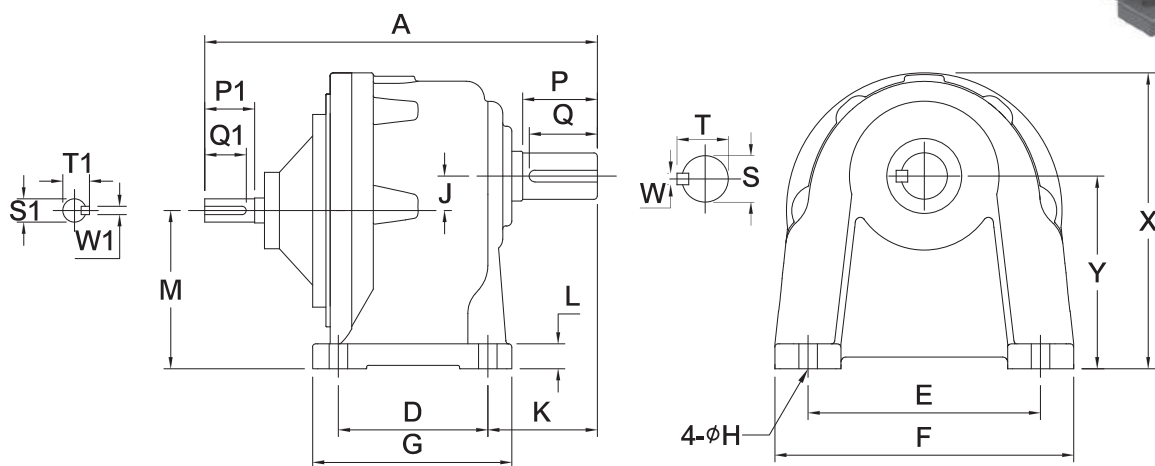


HP 馬力③ (W)	Frame Size 型號②	Ratio 減速比 ④	A	J	K	X	Y	Foot Stock 腳座						IEC Motor Flange 入力馬達盤						Input Bore 入力孔			Output Shaft 出力軸					Weight 重量 (kg)
								D	E	F	G	H	L	B	C	N	Z	I	S1	T1	W1	P	Q	S	T	W		
1/4HP4P (200W)	GHM18	3-10	153	16	48	132	88.5	40	110	135	65	9	10	110	130	158	M8	52.5	11	13	4	30	25	18	20	5	4	
	GHM22	15-90	188	182	56	152	97.5	65	130	160	90	11	15	110	130	158	M8	52.5	11	13	4	40	35	22	25	7	6	
	GHM28	100-200	216	208	66	180	116	90	140	180	120	11	15	110	130	158	M8	52.5	11	13	4	45	40	28	31	7	8	
	GHM32	250-1800	353	302	76	210	138.5	130	170	215	160	13	20	110	130	158	M8	52.5	11	13	4	55	50	32	35.5	10	25	
1/2HP4P (400W)	GHM22	3-10	188	182	56	152	97.5	65	130	160	90	11	15	110	130	158	M8	52.5	14	16.5	5	40	35	22	25	7	6	
	GHM28	15-90	216	208	66	180	116	90	140	180	120	11	15	110	130	158	M8	52.5	14	16.5	5	45	40	28	31	7	8	
	GHM32	100-200	250	302	76	210	138.5	130	170	215	160	13	20	110	130	158	M8	52.5	14	16.5	5	55	50	32	35.5	10	21	
	GHM40	250-1800	395	422	85	255	160	150	210	260	185	15	23	110	130	158	M8	52.5	14	16.5	5	65	60	40	43.5	10	36	
1HP4P (750W)	GHM28	3-25	240	208	66	180	116	90	140	180	120	11	15	130	165	198	M10	78	19	21.5	6	45	40	28	31	7	11	
	GHM32	30-120	275	302	76	210	138.5	130	170	215	160	13	20	130	165	198	M10	78	19	21.5	6	55	50	32	35.5	10	26	
	GHM40	125-200	303	422	85	255	160	150	210	260	185	15	23	130	165	198	M10	78	19	21.5	6	65	60	40	43.5	10	38	
	GHM50	250-1800	442	514	100	320	200	170	265	330	220	19	25	130	165	198	M10	78	19	21.5	6	80	75	50	54	14	46	
2HP4P (1500W)	GHM32	3-30	275	302	76	210	138.5	130	170	215	160	13	20	130	165	198	M10	78	24	27	8	55	50	32	35.5	10	26	
	GHM40	40-120	303	422	85	255	160	150	210	260	185	15	23	130	165	198	M10	78	24	27	8	65	60	40	43.5	10	39	
	GHM50	125-180	345	514	100	320	200	170	265	330	220	19	25	130	165	198	M10	78	24	27	8	80	75	50	54	14	60	
3HP4P (2200W)	GHM40	4-60	320	422	85	255	160	150	210	260	185	15	23	180	215	250	M12	95	28	31	8	65	60	40	43.5	10	43	
	GHM50	70-120	363	514	100	320	200	170	265	330	220	19	25	180	215	250	M12	95	28	31	8	80	75	50	54	14	60	
5HP4P (3700W)	GHM40	4-25	320	422	85	255	160	150	210	260	185	15	23	180	215	250	M12	95	28	31	8	65	60	40	43.5	10	43	
	GHM50	30-120	363	514	100	320	200	170	265	330	220	19	25	180	215	250	M12	95	28	31	8	80	75	50	54	14	60	

※ For larger model sizes, refer to Helical Gear Motor Reducers Series. 如需更大馬力規格請參考齒輪減速機系列。

GHD Foot Mount Helical Gear Reducer with Input Shaft 腳座入力軸型齒輪減速機

Dimensions 外型尺寸表



HP 馬力③ (W)	Frame Size 型號②	Ratio 減速比④	A	J	K	M	X	Y	Foot Stock 腳座						Input Shaft 入力軸					Output Shaft 出力軸					Weight 重量 (kg)
									D	E	F	G	H	L	P1	Q1	S1	T1	W1	P	Q	S	T	W	
1/8HP4P (100W)	GHD18	3-50	173	16	48	72.5	132	88.5	40	110	135	65	9	10	30	25	14	16	5	30	25	18	20	5	3
	GHD22	60-200	207	18.2	56	79.3	152	97.5	65	130	160	90	11	15	30	25	14	16	5	40	35	22	25	7	4
1/4HP4P (200W)	GHD18	3-10	173	16	48	72.5	132	88.5	40	110	135	65	9	10	30	25	14	16	5	30	25	18	20	5	3
	GHD22	15-90	207	18.2	56	79.3	152	97.5	65	130	160	90	11	15	30	25	14	16	5	40	35	22	25	7	5
	GHD28	100-200	263	20.8	66	95.2	180	116	90	140	180	120	11	15	30	25	14	16	5	45	40	28	31	7	7
1/2HP4P (400W)	GHD22	3-10	207	18.2	56	79.3	152	97.5	65	130	160	90	11	15	30	25	14	16	5	40	35	22	25	7	6
	GHD28	15-90	263	20.8	66	95.2	180	116	90	140	180	120	11	15	30	25	14	16	5	45	40	28	31	7	7
	GHD32	100-200	300	30.2	76	108.3	210	138.5	130	170	215	160	13	20	30	25	14	16	5	55	50	32	35.5	10	19
1HP4P (750W)	GHD28	3-25	269	20.8	66	95.2	180	116	90	140	180	120	11	15	40	35	19	21.5	6	45	40	28	31	7	7
	GHD32	30-120	310	30.2	76	108.3	210	138.5	130	170	215	160	13	20	40	35	19	21.5	6	55	50	32	35.5	10	21
	GHD40	125-200	336	42.2	85	117.8	255	160	150	210	260	185	15	23	40	35	19	21.5	6	65	60	40	43.5	10	35
2HP4P (1500W)	GHD32	3-30	320	30.2	76	108.3	210	138.5	130	170	215	160	13	20	50	40	24	27.5	8	55	50	32	35.5	10	21
	GHD40	40-120	350	42.2	85	117.8	255	160	150	210	260	185	15	23	50	40	24	27.5	8	65	60	40	43.5	10	35
	GHD50	125-180	410	51.4	100	148.6	320	200	170	265	330	220	19	25	50	40	24	27.5	8	80	75	50	54	14	55
3HP4P (2200W)	GHD40	4-60	360	42.2	85	117.8	255	160	150	210	260	185	15	23	60	50	28	31	8	65	60	40	43.5	10	35
	GHD50	70-120	410	51.4	100	148.6	320	200	170	265	330	220	19	25	60	50	28	31	8	80	75	50	54	14	55
5HP4P (3700W)	GHD40	4-25	360	42.2	85	117.8	255	160	150	210	260	185	15	23	60	50	28	31	8	65	60	40	43.5	10	35
	GHD50	30-80	410	51.4	100	148.6	320	200	170	265	330	220	19	25	60	50	28	31	8	80	75	50	54	14	55

※ For larger model sizes, refer to Helical Gear Motor Reducers Series. 如需更大馬力規格請參考齒輪減速機系列。

GV Flange Mount Helical Gearmotor 法蘭型齒輪減速馬達

Dimensions 外型尺寸表

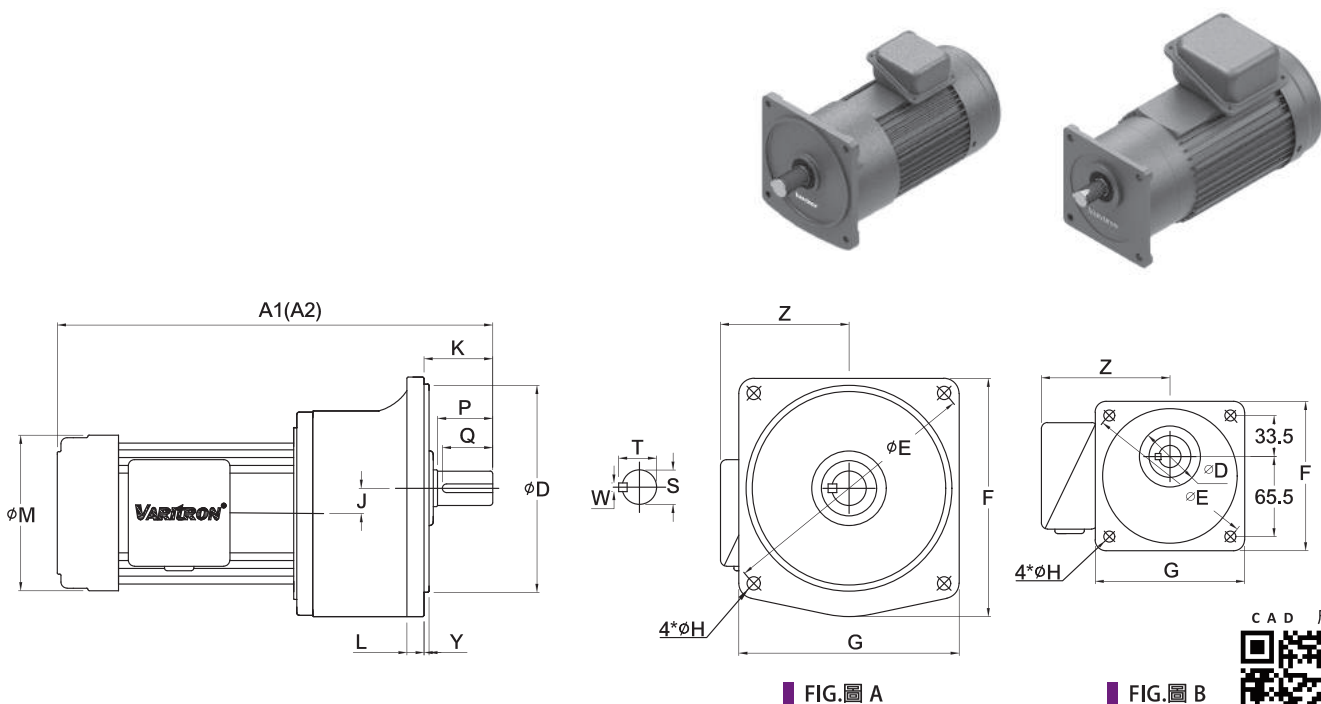


FIG. 圖 A

FIG. 圖 B

HP 馬力③ (W)	Frame Size 型號②	Ratio 減速比④	Fig. 圖	A1	A2	L	J	K	M	Y	Z	Flange 法蘭					Output Shaft 出力軸					Weight 重量 (kg)
												D	E	F	G	H	P	Q	S	T	W	
1/10HP4P (75W)	GV18	3-200	B	265	265	10	16	39	127	5	105	50	140	120	120	9	30	25	18	20	5	5.2
	GV22	250-1800	A	355	355	12	18.2	47	127	3.5	105	148	185	170	156	11	40	35	22	25	7	10
1/8HP4P (100W)	GV18	3-50	B	255	275	10	16	39	127	5	105	50	140	120	120	9	30	25	18	20	5	5.3
	GV22	60-200	A	285	305	12	18.2	47	127	3.5	105	148	185	170	156	11	40	35	22	25	7	6.9
	GV28	250-1800	A	385	405	13	20.8	54	127	4	105	170	220	195	180	11	45	40	28	31	7	12
1/4HP4P (200W)	GV18	3-10	B	275	295	10	16	39	127	5	105	50	140	120	120	9	30	25	18	20	5	6.7
	GV22	15-90	A	305	325	12	18.2	47	127	3.5	105	148	185	170	156	11	40	35	22	25	7	8.6
	GV28	100-200	A	330	350	13	20.8	54	127	4	105	170	220	195	180	11	45	40	28	31	7	11
1/2HP4P (400W)	GV32	250-1800	A	475	485	15	30.2	66	127	4	105	185	255	240	225	13	55	50	32	35.5	10	28
	GV22	3-10	A	325	340	12	18.2	47	127	3.5	105	148	185	170	156	11	40	35	22	25	7	11
	GV28	15-90	A	357	370	13	20.8	54	127	4	105	170	220	195	180	11	45	40	28	31	7	14
3/4HP4P (550W)	GV32	100-200	A	385	405	15	30.2	66	127	4	105	185	255	240	225	13	55	50	32	35.5	10	26
	GV40	250-1800	A	525	545	20	42.2	80	127	5	105	230	310	300	275	15	65	60	40	43.5	10	41
	GV28	3~90	A	360	400	13	20.8	54	165	4	125	170	220	195	180	11	45	40	28	31	7	15
1HP4P (750W)	GV32	95~200	A	395	420	15	30.2	66	165	4	125	185	255	240	225	13	55	50	32	35.5	10	28
	GV28	3-25	A	375	415	13	20.8	54	165	4	125	170	220	195	180	11	45	40	28	31	7	15
	GV32	30-120	A	410	435	15	30.2	66	165	4	125	185	255	240	225	13	55	50	32	35.5	10	28
2HP4P (1500W)	GV40	125-200	A	435	465	20	42.2	80	165	5	125	230	310	300	275	15	65	60	40	43.5	10	42
	GV50	250-1800	A	580	615	20	51.4	89	165	5	125	280	390	360	320	19	80	75	50	54	14	68
	GV32	3-30	A	440	480	15	30.2	66	190	4	145	185	255	240	225	13	55	50	32	35.5	10	32
3HP4P (2200W)	GV40	40-120	A	465	500	20	42.2	80	190	5	145	230	310	300	275	15	65	60	40	43.5	10	46
	GV50	125-180	A	515	555	20	51.4	89	190	5	145	280	390	360	320	19	80	75	50	54	14	71
5HP4P (3700W)	GV40	4-60	A	495	-	20	42.2	80	215	5	160	230	310	300	275	15	65	60	40	43.5	10	48
	GV50	70-120	A	535	-	20	51.4	89	215	5	160	280	390	360	320	19	80	75	50	54	14	73
	GV40	4-25	A	510	-	20	42.2	80	215	5	160	230	310	300	275	15	65	60	40	43.5	10	50
	GV50	30-120	A	550	-	20	51.4	89	215	5	160	280	390	360	320	19	80	75	50	54	14	75

※ A1: 3-Phase Motor. 三相馬達尺寸。 ※ A2: Single Phase Motor. 單相馬達尺寸。

※ For larger model sizes, refer to Helical Gear Motor Reducers Series. 如需更大馬力規格請參考齒輪減速機系列。

GVM Flange Mount Helical Gear Reducer with Adaptor 法蘭直結型齒輪減速機

Dimensions 外型尺寸表

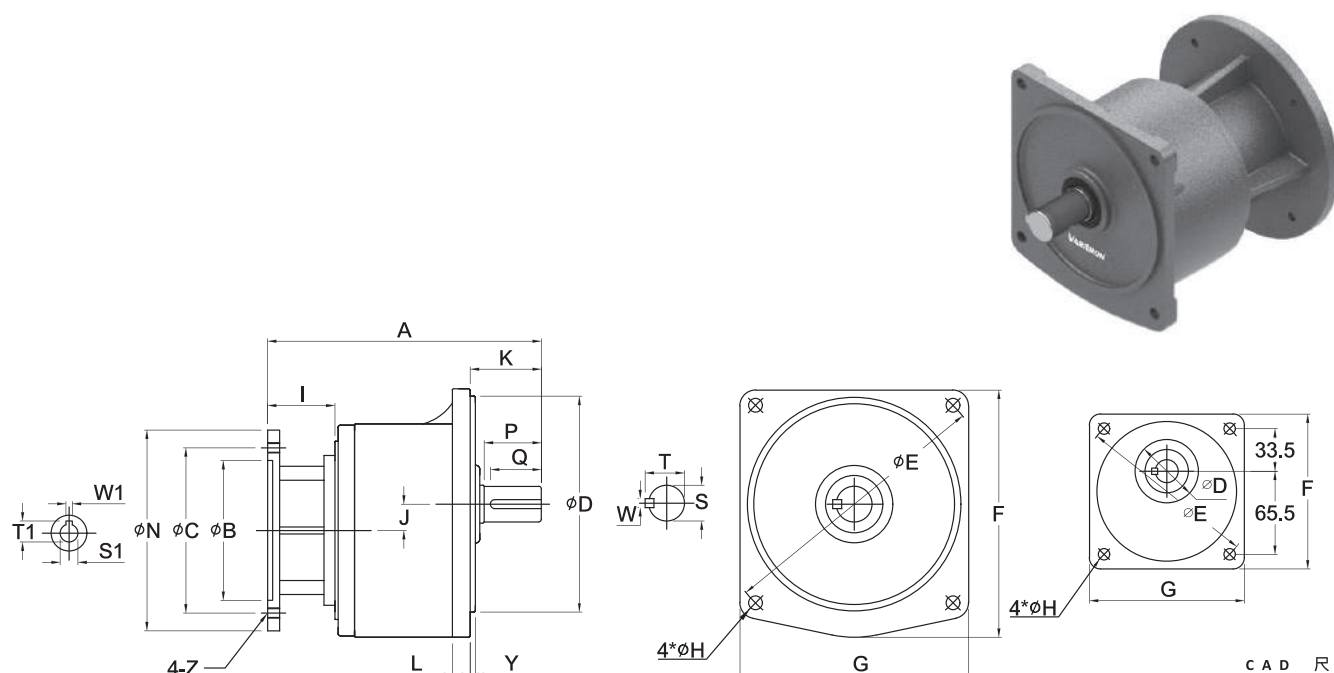


FIG. 圖 A

FIG. 圖 B



HP 馬力③ (W)	Frame Size 型號②	Ratio 減速比④	Fig. 圖	A	L	J	K	Y	Flange 法蘭					IEC Motor Flange 入力馬達盤					Input Bore 入力孔			Output Shaft 出力軸					Weight 重量 (kg)
									D	E	F	G	H	B	C	N	Z	I	S1	T1	W1	P	Q	S	T	W	
1/4HP4P (200W)	GVM18	3-10	B	153	10	16	39	5	50	140	120	120	9	110	130	158	M8	52.5	11	13	4	30	25	18	20	5	4
	GVM22	15-90	A	188	12	182	47	3.5	148	185	170	156	11	110	130	158	M8	52.5	11	13	4	40	35	22	25	7	6
	GVM28	100-200	A	216	13	208	54	4	170	220	195	180	11	110	130	158	M8	52.5	11	13	4	45	40	28	31	7	8
	GVM32	250-1800	A	351	15	302	66	4	185	255	240	225	13	110	130	158	M8	52.5	11	13	4	55	50	32	35.5	10	25
1/2HP4P (400W)	GVM22	3-10	A	188	12	182	47	3.5	148	185	170	156	11	110	130	158	M8	52.5	14	16.5	5	40	35	22	25	7	6
	GVM28	15-90	A	216	13	208	54	4	170	220	195	180	11	110	130	158	M8	52.5	14	16.5	5	45	40	28	31	7	8
	GVM32	100-200	A	250	15	302	66	4	185	255	240	225	13	110	130	158	M8	52.5	14	16.5	5	55	50	32	35.5	10	21
	GVM40	250-1800	A	385	20	422	80	5	230	310	300	275	15	110	130	158	M8	52.5	14	16.5	5	65	60	40	43.5	10	36
1HP4P (750W)	GVM28	3-25	A	240	13	208	54	4	170	220	195	180	11	130	165	198	M10	78	19	21.5	6	45	40	28	31	7	11
	GVM32	30-120	A	275	15	302	66	4	185	255	240	225	13	130	165	198	M10	78	19	21.5	6	55	50	32	35.5	10	26
	GVM40	125-200	A	305	20	422	80	5	230	310	300	275	15	130	165	198	M10	78	19	21.5	6	65	60	40	43.5	10	38
	GVM50	250-1800	A	460	20	514	89	5	280	390	360	320	19	130	165	198	M10	78	19	21.5	6	80	75	50	54	14	46
2HP4P (1500W)	GVM32	3-30	A	275	15	302	66	4	185	255	240	225	13	130	165	198	M10	78	24	27	8	55	50	32	35.5	10	26
	GVM40	40-120	A	305	20	422	80	5	230	310	300	275	15	130	165	198	M10	78	24	27	8	65	60	40	43.5	10	39
	GVM50	125-180	A	347	20	514	89	5	280	390	360	320	19	130	165	198	M10	78	24	27	8	80	75	50	54	14	62
3HP4P (2200W)	GVM40	4-60	A	320	20	422	80	5	230	310	300	275	15	180	215	250	M12	95	28	31	8	65	60	40	43.5	10	43
	GVM50	70-120	A	365	20	514	89	5	280	390	360	320	19	180	215	250	M12	95	28	31	8	80	75	50	54	14	62
5HP4P (3700W)	GVM40	4-25	A	320	20	422	80	5	230	310	300	275	15	180	215	250	M12	95	28	31	8	65	60	40	43.5	10	43
	GVM50	30-120	A	365	20	514	89	5	280	390	360	320	19	180	215	250	M12	95	28	31	8	80	75	50	54	14	62

※ For larger model sizes, refer to Helical Gear Motor Reducers Series. 如需更大馬力規格請參考齒輪減速機系列。

GVD Flange Mount Helical Gear Reducer with Input Shaft 法蘭入力軸型齒輪減速機

Dimensions 外型尺寸表

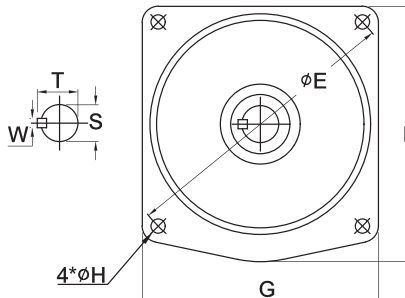
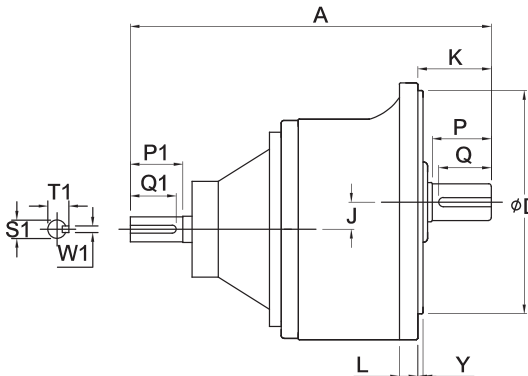


FIG. 圖 A

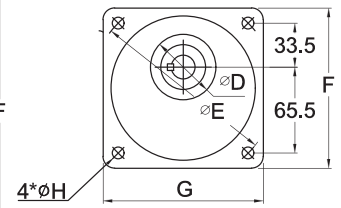


FIG. 圖 B



gear.fyi/gvd

HP 馬力③ (W)	Frame Size 型號②	Ratio 減速比④	Fig. 圖	A	L	J	K	Y	Flange 法蘭					Input Shaft 入力軸					Output Shaft 出力軸					Weight 重量 (kg)
									D	E	F	G	H	P1	Q1	S1	T1	W1	P	Q	S	T	W	
1/8HP4P (100W)	GVD18	3-50	B	173	10	16	39	5	50	140	120	120	9	30	25	14	16	5	30	25	18	20	5	3
	GVD22	60-200	A	207	12	18.2	47	3.5	148	185	170	156	11	30	25	14	16	5	40	35	22	25	7	4
1/4HP4P (200W)	GVD18	3-10	B	173	10	16	39	5	50	140	120	120	9	30	25	14	16	5	30	25	18	20	5	3
	GVD22	15-90	A	207	12	18.2	47	3.5	148	185	170	156	11	30	25	14	16	5	40	35	22	25	7	5
	GVD28	100-200	A	263	13	20.8	54	4	170	220	195	180	11	30	25	14	16	5	45	40	28	31	7	7
1/2HP4P (400W)	GVD22	3-10	A	207	12	18.2	47	3.5	148	185	170	156	11	30	25	14	16	5	40	35	22	25	7	6
	GVD28	15-90	A	263	13	20.8	54	4	170	220	195	180	11	30	25	14	16	5	45	40	28	31	7	7
	GVD32	100-200	A	300	15	30.2	66	4	185	255	240	225	13	30	25	14	16	5	55	50	32	35.5	10	19
1HP4P (750W)	GVD28	3-25	A	268	13	20.8	54	4	170	220	195	180	11	40	35	19	21.5	6	45	40	28	31	7	7
	GVD32	30-120	A	310	15	30.2	66	4	185	255	240	225	13	40	35	19	21.5	6	55	50	32	35.5	10	21
	GVD40	125-200	A	336	20	42.2	80	5	230	310	300	275	15	40	35	19	21.5	6	65	60	40	43.5	10	35
2HP4P (1500W)	GVD32	3-30	A	320	15	30.2	66	4	185	255	240	225	13	50	40	24	27.5	8	55	50	32	35.5	10	21
	GVD40	40-120	A	350	20	42.2	80	5	230	310	300	275	15	50	40	24	27.5	8	65	60	40	43.5	10	35
	GVD50	125-180	A	400	20	51.4	89	5	280	390	360	320	19	50	40	24	27.5	8	80	75	50	54	14	55
3HP4P (2200W)	GVD40	4-60	A	360	20	42.2	80	5	15	20	42.2	80	5	60	50	28	31	8	60	50	28	31	8	35
	GVD50	70-120	A	400	20	51.4	89	5	19	20	51.4	89	5	60	50	28	31	8	60	50	28	31	8	55
5HP4P (3700W)	GVD40	4-25	A	360	20	42.2	80	5	15	20	42.2	80	5	60	50	28	31	8	60	50	28	31	8	35
	GVD50	30-80	A	400	20	51.4	89	5	19	20	51.4	89	5	60	50	28	31	8	60	50	28	31	8	55

※ For larger model sizes, refer to Helical Gear Motor Reducers Series. 如需更大馬力規格請參考齒輪減速機系列。

POWER TRANSMISSION INDEX

VARITRON®
Take Control In Speed

A1

Cycloidal Drive Reducer

賽驅樂減速機

HM



Pg.47

HX



Pg.55

H



Pg.61

VM



Pg.64

VX



Pg.72

V



Pg.78

Page
1~82

A2

RV Precision Cycloidal Gear

高精密擺線減速機

RV-E



Pg.84

RV-C



Pg.84

Page
83~84

B1

Precision Planetary Gearbox

精密行星減速機

DA



Pg.91

DM



Pg.93

DF



Pg.95

DH



Pg.97

DL



Pg.99

DN



Pg.101

Page
85~113

RAM-S



Pg.103

RAM-SS



Pg.104

RAM-H



Pg.105

RAM-D



Pg.106

RAM-F



Pg.107

RAH-S



Pg.109

RAH-SS



Pg.110

RAH-H



Pg.111

RAH-D



Pg.112

RAH-F



Pg.113

B2

Planetary Gear Reducer

遊星式減速機

HF



Pg.121

VF



Pg.122

HS



Pg.123

VS



Pg.124

Page
114~125

C1

Compact Helical Gear Motor Reducers

小型齒輪減速機

GH



Pg.130

GHM



Pg.131

GHD



Pg.132

GV



Pg.133

GVM



Pg.134

GVD



Pg.135

Page
126~135

C2

Helical Gear Motor Reducers

齒輪減速機

AMH



Pg.138

ADH



Pg.139

AMV



Pg.140

ADV



Pg.141

Page
136~141

※ All dimensions in the catalog are in mm units. 目錄內尺寸表單位為mm。

POWER TRANSMISSION *INDEX*

C3

SEW Type Gear Reducer

歐規齒輪減速機

K



Pg.143

S



Pg.144

R



Pg.145

F



Pg.146

Page
142~146

C4

Industrial Helical Bevel Gearbox

齒輪箱

H



Pg.148

B



Pg.148

Page
147~148

D1

NMHV Hypoid-Helical Gear Reducer

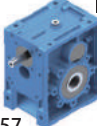
萬向螺旋齒輪減速機

NMHV



Pg.156

NHV



Pg.157

Page
149~157

D2

NMRV Worm Gear Reducer

萬向蝸輪減速機

NMRV



Pg.168

NMRV-NMRV



Pg.169

NRV



Pg.170

NRV-NMRV



Pg.170

PC-NMRV



Pg.171

Page
158~173

D3

Worm Gear Speed Reducer

蝸輪減速機

HW



Pg.181

HMW



Pg.182

HOM



Pg.183

LW



Pg.184

LMW



Pg.185

HOW



Pg.186

Page
174~201

LOW



Pg.186

VW



Pg.187

VMW



Pg.188

VOW



Pg.189

VOM



Pg.190

UW



Pg.191

UMW



Pg.192

TW



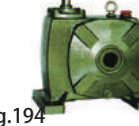
Pg.193

TMW



Pg.193

TOW



Pg.194

TOM



Pg.194

VOF



Pg.195

VOFM



Pg.195

LH



Pg.196

LHM



Pg.196

LOH



Pg.197

LOHM



Pg.197

VH



Pg.198

UH



Pg.198

VHM



Pg.199

UHM



Pg.199

VOH



Pg.200

VOHM



Pg.200

E1

Disco Speed Variator

無段變速機

AM



Pg.208

AK



Pg.208

AVM



Pg.208

AV



Pg.208

AHM



Pg.208

TXF



Pg.209

TKF



Pg.209

Page
202~209

E2

Belt Stepless Variable Speed Drive

皮帶變速機

APH



Pg.210

LW



Pg.211

HV



Pg.211

Page
210~211

E3

Five Steps Buffered Speed Changer

五段緩衝式變速機

LM



Pg.212

Page
212

E4

PIV Chain Variable Speed Drive

鍊條無段變速機

PIV-H



Pg.214

PIV-V



Pg.214

Page
213~215

F1

Spiral Bevel Gear Box

十字轉向機

LG



Pg.218

Page
216~218

F2

Spiral Screw Rod Actuators

螺桿升降機

SR



Pg.221

SRM



Pg.221

Page
219~222

G

Induction Electric Motor

感應馬達

AEEH/AEEP/AEES



Pg.228

AEVH/AEVP/AEVS



Pg.229

AEEH-ALB3



Pg.231

AEVH-ALB5



Pg.232

AEVH-ALB14



Pg.232

Page
223~232

H

Agitator Mixer

攪拌機

HHM



Pg.237

LW



Pg.238

GVV



Pg.239

CS/CSS



Pg.240

HMB



Pg.241

SC/SCB



Pg.242

Page
233~242