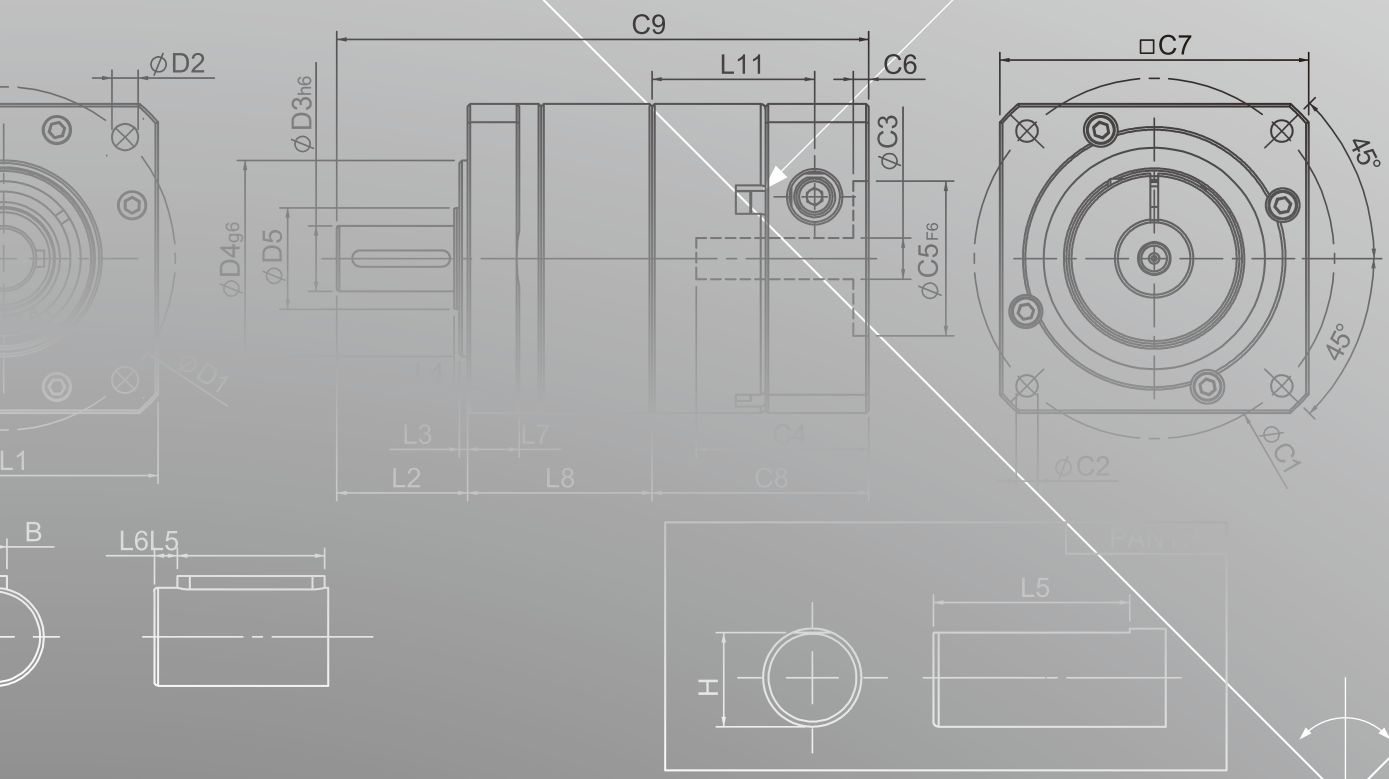
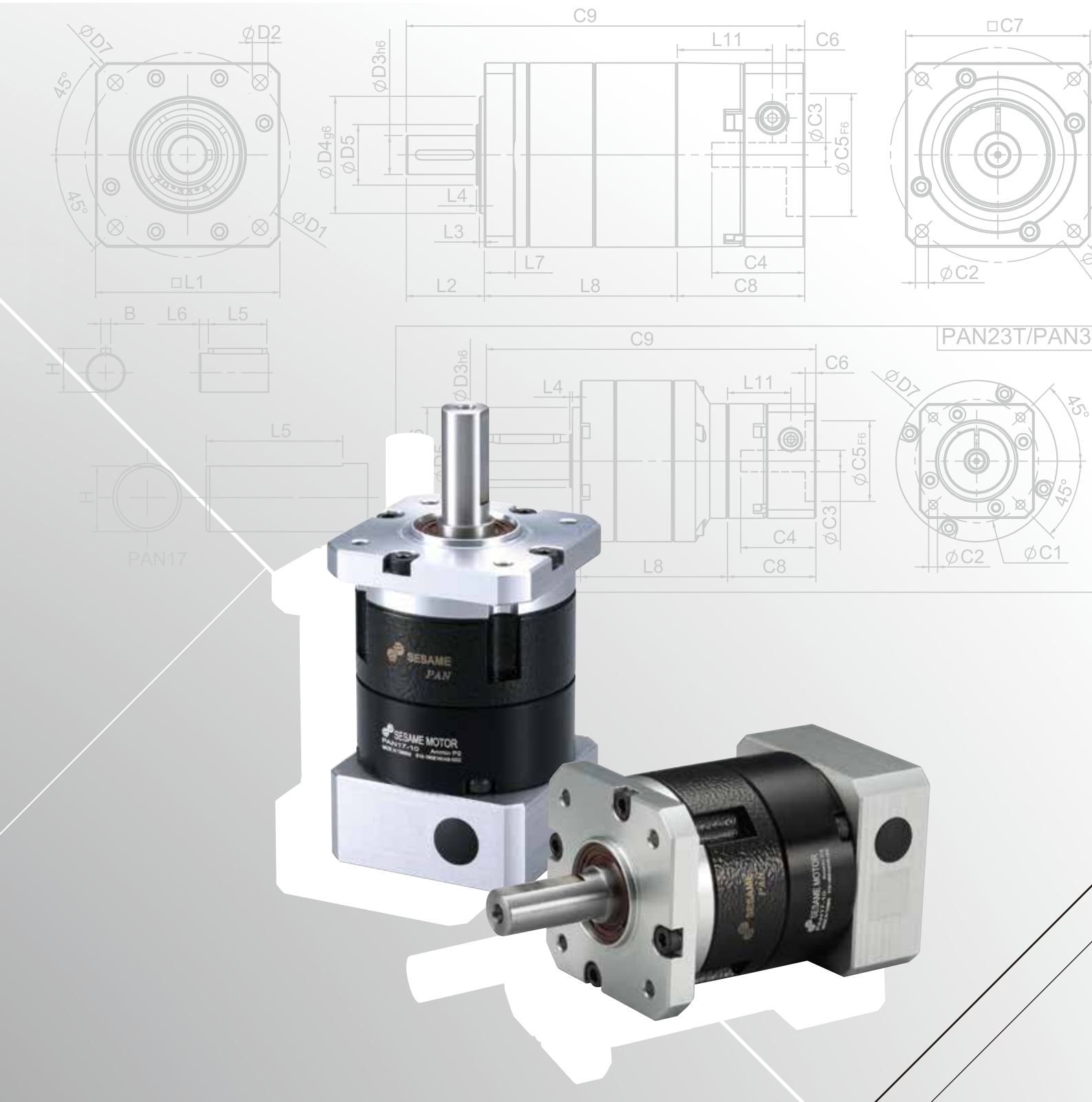
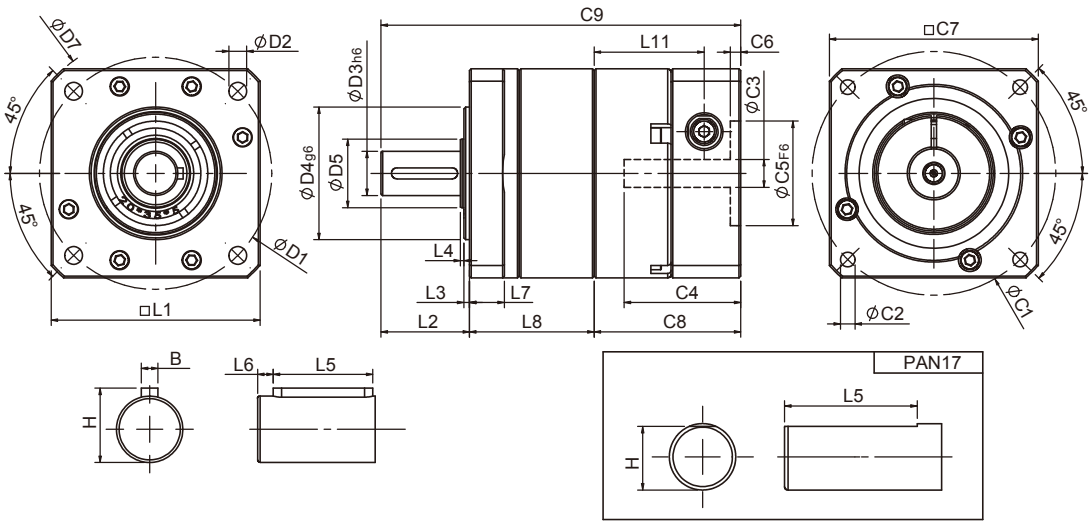
PAN SERIES


C9
L11
C6
□C7
ØD2
ØD3h6
ØC3
ØD4g6
ØD5
ØC5F6
45°
45°
ØD1
L1
L3
L7
C4
L2
L8
C8
ØC2
ØC1
B
L6
L5
H
L5


C9
L11
C6
C7
ØD7
ØD2
45°
ØD3h6
ØD4g6
ØD5
ØC3
ØC5F6
L4
L3
L7
C4
L2
L8
C8
ØC2
□L1
ØD1
B
L6
L5
H
PAN23T/PAN3
PAN17
ØC1
SESAME
PAN
SESAME MOTOR

PAN Single Stage Dimensions PAN單段外型尺寸圖



Specifications 規格

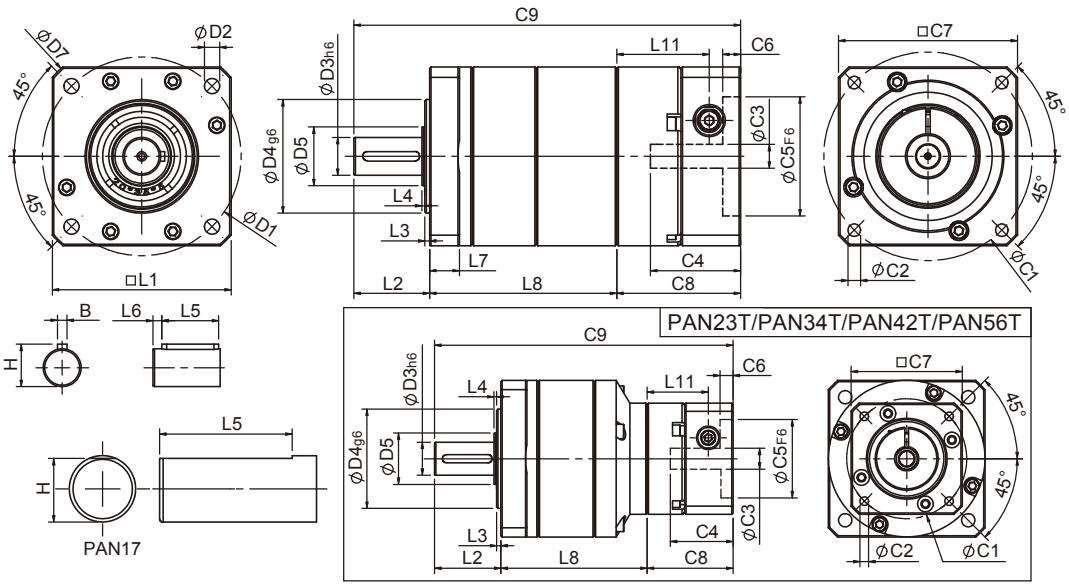
Unit:mm

尺寸 Dimensions	PAN17	PAN23	PAN34	PAN42	PAN56
D1	43.8	66.67	98.425	125.73	177.8
D2	3.25	5.1	5.6	7.1	10.2
$D3_{h6}$	9.525	12.7	19.05	25	25
$D4_{g6}$	21.97	38.1	73.025	55.55	114.3
D5	12	20	35	32	-
D7	56	80	118	148	195
L1	42.6(44)	60	90	115	145
L2	25.4	25.4	31.75	42	41
L3	1.6	1.6	1.7	2.4	4
L4	1	1	1	2	-
L5	19.05	19.05	25.4	32	32
L6	-	3	3	4	4
L7	6.5	10	12	19	20
L8	28.8	35.8	43.5	67.4	68.4
L11	26.9	31.6	37.3	51.8	51.8
C1 [2]	46	70	90	145	145
C2 [2]	M4x0.7P	M5x0.8P	M6x1.0P	M8x1.25P	M8x1.25P
C3 [2]	≦8/≦11	≦14/≦19	≦19/≦24/≦28	≦24/≦32/≦38	≦24/≦32/≦38
C4 [2]	26.5	33.5	41	51.5	51.5
$C5^{2}_{F6}$	30	50	70	110	110
C6 [2]	4	4	6	6	6
C7 [2]	42.6	60	90	130	130
C8 [2]	36.4	42.1	51.5	68	68
C9 [2]	90.6	103.3	126.75	177.4	177.4
B	-	3.175	4.763	8	8
H	9.14	14.1	21.1	28	28

★ 10比時,L1=44.
★ C1~C9是公製標準馬達連接板尺寸,請依所選用的馬達決定.
★ 本公司有權針對以上數據規格逕行設計變更不先行告知.

★ L1=44 when gear ratio is 10.
★ C1~C9 are motor specific dimensions(metric std shown), Size may vary according to motor flange.
★ Specification subject to change without notice.

PAN Double Stage Dimensions PAN雙段外型尺寸圖



Specifications 規格

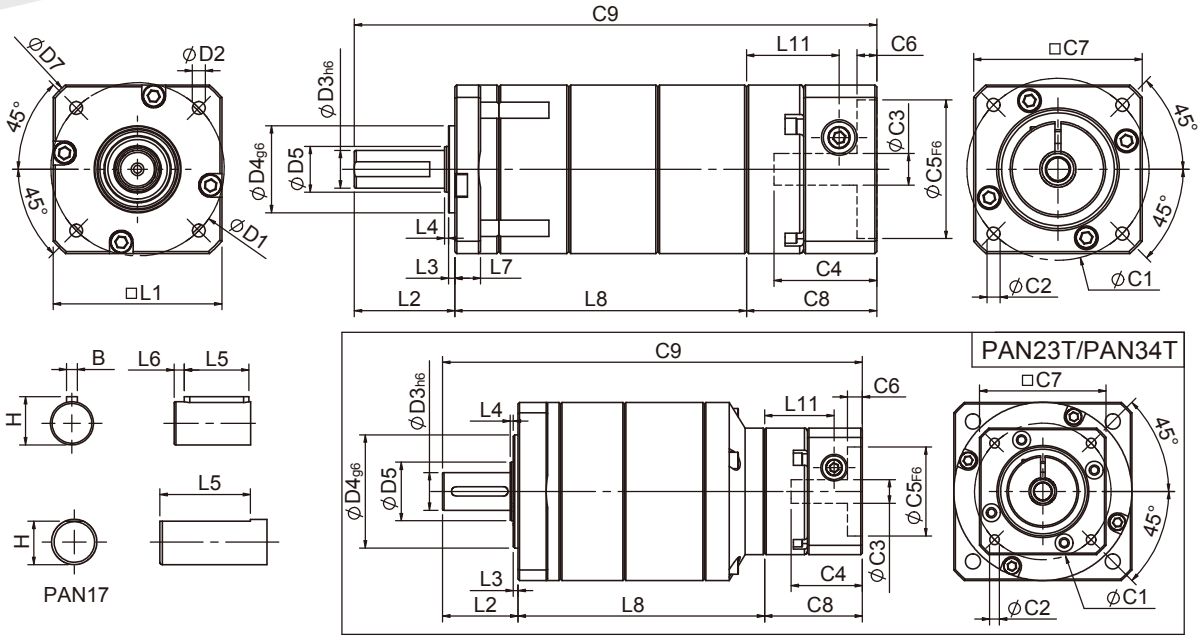
Unit:mm

尺寸 Dimensions	PAN17	PAN23	PAN23T	PAN34	PAN34T	PAN42T	PAN56T
D1	43.8	66.67		98.425		125.73	177.8
D2	3.25	5.1		5.6		7.1	10.2
$D3_{h6}$	9.525	12.7		19.05		25	25
$D4_{g6}$	21.97	38.1		73.025		55.55	114.3
D5	12	20		35		32	-
D7	56	80		118		148	195
L1	42.6(44)	60		90		115	145
L2	25.4	25.4		31.75		42	41
L3	1.6	1.6		1.7		2.4	4
L4	1	1		1		2	-
L5	19.05	19.05		25.4		32	32
L6	-	3		3		4	4
L7	6.5	10		12		19	20
L8	51.25	62.8	56.1	77.3	72.8	105.5	106.5
L11	23.4	31	23.4	37.3	31	37.3	37.3
$C1^{2}$	46	70	46	90	70	90	90
$C2^{2}$	M4x0.7P	M5x0.8P	M4x0.7P	M6x1.0P	M5x0.8P	M6x1.0P	M6x1.0P
$C3^{2}$	≦8/≦11	≦14/≦19	≦8/≦11	≦19/≦24/≦28	≦14/≦19	≦19/≦24/≦28	≦19/≦24/≦28
$C4^{2}$	26.5	33.5	26.5	41	33.5	41	41
$C5^{2}{}_{F6}$	30	50	30	70	50	70	70
$C6^{2}$	4	4	4	6	4	6	6
$C7^{2}$	42.6	60	42.6	90	60	90	90
$C8^{2}$	32.9	41.5	32.9	51.5	41.5	51.5	51.5
$C9^{2}$	109.55	129.7	114.4	160.55	146.05	199	199
B	-	3.175		4.763		8	8
H	9.14	14.1		21.1		28	28

★ 100比時,L1=44.
★ C1~C9是公製標準馬達連接板尺寸,請依所選用的馬達決定.
★ 本公司有權針對以上數據規格逕行設計變更不先行告知.

★ L1=44 when gear ratio is 100.
★ C1~C9 are motor specific dimensions(metric std shown), Size may vary according to motor flange.
★ Specification subject to change without notice.

PAN Triple Stage Dimensions　PAN三段外型尺寸圖



Specifications　規格

Unit:mm

尺寸 Dimensions	PAN17	PAN23T	PAN34T
D1	43.8	66.67	98.425
D2	3.25	5.1	5.6
$D3_{h6}$	9.525	12.7	19.05
$D4_{g6}$	21.97	38.1	73.025
D5	12	20	35
D7	56	80	118
L1	42.6(44)	60	90
L2	25.4	25.4	31.75
L3	1.6	1.6	1.7
L4	1	1	1
L5	19.05	19.05	25.4
L6	-	3	3
L7	6.5	10	12
L8	73.7	83.1	106.6
L11	23.4	23.4	31
$C1^{2}$	46	46	70
$C2^{2}$	M4x0.7P	M4x0.7P	M5x0.8P
$C3^{2}$	≦8/≦11	≦8/≦11	≦14/≦19
$C4^{2}$	26.5	26.5	33.5
$C5^{2}{}_{F6}$	30	30	50
$C6^{2}$	4	4	4
$C7^{2}$	42.6	42.6	60
$C8^{2}$	32.9	32.9	41.5
$C9^{2}$	132	141.4	179.85
B	-	3.175	4.763
H	9.14	14.1	21.1

★ 1000比時,L1=44.
★ C1~C9是公製標準馬達連接板尺寸,請依所選用的馬達決定.
★ 本公司有權針對以上數據規格逕行設計變更不先行告知.

★ L1=44 when gear ratio is 1000.
★ C1~C9 are motor specific dimensions(metric std shown), Size may vary according to the motor flange chosen.
★ Specification subject to change without notice.

PAN Specifications Table PAN性能規格共表

規格 Specifications		節數 Stage	減速比 Ratio	PAN-17	PAN-23	PAN-34	PAN-42	PAN-56
額定輸出力矩 T_{2N} Nominal Output Torque	N • m	1	3	9	28	85	200	200
			4	10	32	80	215	215
			5	11	35	95	215	215
			7	10	28	85	200	200
			9	8	23	75	195	195
			10	8	21	65	180	180
		節數 Stage	減速比 Ratio	PAN-17	PAN-23 / PAN-23T	PAN-34 / PAN-34T	PAN-42T	PAN-56T
		2	15	11	35/24	95/68	168	168
			20	11	35/31	95/95	215	215
			25	11	35/30	95/95	215	215
			35	11	35/28	95/95	215	215
			45	11	35/27	95/92	215	215
			50	(Ratio 49) : 10	35/27	95/82	205	205
			70	(Ratio 63) : 10	28/28	85/85	200	200
			90	(Ratio 81) : 8	23/23	75/75	195	195
			100	8	21/21	65/65	180	180
		節數 Stage	減速比 Ratio	PAN-17	PAN-23T	PAN-34T	PAN-42T	PAN-56T
		3	125	11	35	95	215	215
			175	11	35	95	215	215
			225	11	35	95	215	215
			245	11	35	95	215	215
			315	11	35	95	215	215
			405	11	35	95	215	215
			567	10	28	85	200	200
			729	8	23	75	195	195
			1000	8	21	65	180	180
急停力矩 T_{2NOT} Emergency Stop Torque	N • m	2.5 倍額定輸出力矩 (2.5 times of Nominal Output Torque) * 最大輸出力矩 Max. Output Torque T_{2B}=60% of Emergency Stop Torque)						
額定輸入轉速 n_{1N} Nominal Input Speed	rpm	1,2,3	3-1000	4000	4000	3000	2500	2500
最大輸入轉速 n_{1max} Max. Input Speed	rpm	1,2,3	3-1000	6000	6000	6000	5000	5000
標準背隙 Standard Backlash P2	arcmin	1 2 3	3-10 15-100 125~1000	≦ 9 ≦12 ≦15	≦ 8 ≦10 ≦12	≦ 7 ≦ 9 ≦12	≦ 6 ≦ 8 ≦12	≦ 6 ≦ 8 ≦12
扭轉剛性 Torsional Rigidity	N • m /arcmin	1,2,3	3-1000	1.2	3.5	8.5	17	17
容許徑向力 F_{2rB}[1] Max. Radial Load	N	1,2,3	3-1000	580	960	2160	4760	4760
容許軸向力 F_{2aB}[1] Max. Axial Load	N	1,2,3	3-1000	410	430	1100	2630	2630
使用溫度 Operating Temp.	℃	1,2,3	3-1000	-10℃ ~ +90℃				
使用壽命 Service Life	hr	1,2,3	3-1000	20,000(10,000 連續運轉 Continuous operation)				
效率 Efficiency	%	1 2 3	3-10 15-100 125~1000	≧ 95% ≧ 90% ≧ 85%				
重量 Weight	kg	1 2 3	3-10 15-100 125~1000	0.5 0.7 0.8	1.1 1.5/1.3 1.7	2.8 4.2/3.1 4.5	6.3 7.9 9.3	6.6 8.2 9.6
安裝方向 Mounting Position	-	1,2,3	3-1000	任意方向 Any direction				
噪音值 Noise Level [2]	dBA/1m	1,2,3	3-1000	60	63	66	67	67
防護等級 Protection Class	-	1,2,3	3-1000	IP 65				
潤滑Lubrication	-	1,2,3	3-1000	全合成潤滑油脂 Synthetic Lubricant				

減速機轉動慣量 Inertia (J1)

節數 Stage	減速比 Ratio	單位 unit	PAN-17(ψ8)	PAN-23(ψ14)	PAN-34(ψ19)	PAN-42(ψ24)	PAN-56(ψ24)
1	3	$Kg \cdot cm^2$	0.04	0.23	0.77	2.30	2.30
	4		0.03	0.21	0.67	1.92	1.92
	5~10		0.03	0.21	0.61	1.71	1.71
節數 Stage	減速比 Ratio		PAN-17(ψ8)	PAN-23(ψ14) / PAN-23T(ψ8)	PAN-34 (ψ 19) / PAN-34T(ψ 14)	PAN-42T(ψ19)	PAN-56T(ψ19)
2	15		0.04	0.23(0.04)	0.77(0.23)	0.77	0.77
	其它比數 Other ratios		0.03	0.21(0.03)	0.61(0.21)	0.61	0.61
節數 Stage	減速比 Ratio		PAN-17(ψ8)	PAN-23T(ψ8)	PAN-34T(ψ 14)	PAN-42T(ψ19)	PAN-56T(ψ19)
3	所有比數 All ratios		0.03	0.03	0.21	0.61	0.61

* 1. 輸出轉速 100rpm 時，作用於輸出軸中心位置。Applied to the output shaft center @100rpm.
* 2. 3000rpm 空載量測。Measured at 3000 rpm with no load. These values are measured by gearbox with ratio = 10 (1-stage) or ratio = 100 (2-stage) at nominal input speed or 3000 rpm (if nominal input speed is higher than 3000 rpm) with no load.

※本公司有權對以上數據規格逕行設計變更不先行告知。The above figures/specifications are subject to change without prior notice.

Products due to human error, natural disasters or other factors lead to poor or damaged, will not be covered under warranty.
產品因人為原因或天災等因素導致不良或損壞，不在保固範圍內。