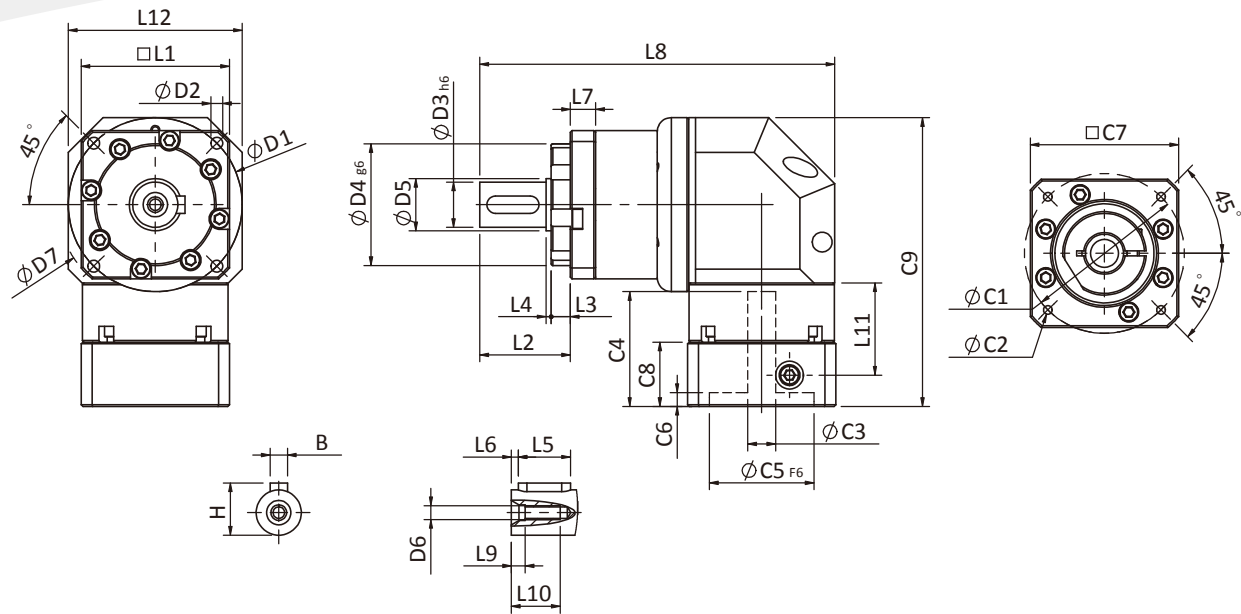


PAER Single Stage Dimensions PAER單段外型尺寸圖



Specifications 規格

Unit:mm

尺寸 Dimensions	PAER42	PAER60	PAER90	PAER115
D1	50	70	100	-
D2	3.4	5.5	6.5	-
D3 _{h6}	13	16	22	-
D4 _{g6}	35	50	80	-
D5	15	20	35	-
D6	M4x0.7P	M5x0.8P	M8x1.25P	-
D7	56	80	118	-
L1	42.6	60	90	-
L2	26	37	48	-
L3	5.5	7	10	-
L4	1.5	1.5	1.5	-
L5	15	25	32	-
L6	2	2	3	-
L7	7.3	10	12	-
L8	102	143.6	194.5	-
L9	4	4	4.5	-
L10	14	16.5	20.5	-
L11	26.5	36	40.7	-
L12	50	70	98	-
C1 ²	46	70	90	-
C2 ²	M4x0.7P	M5x0.8P	M6x1.0P	-
C3 ²	≤8/≤11	≤14/≤19	≤19/≤24	-
C4 ²	33	44	57	-
C5 ² _{F6}	30	50	70	-
C6 ²	4	4	6	-
C7 ²	42.6	60	90	-
C8 ²	18.5	20	26	-
C9 ²	83	111.4	149.2	-
B	5	5	6	-
H	15	18	24.5	-

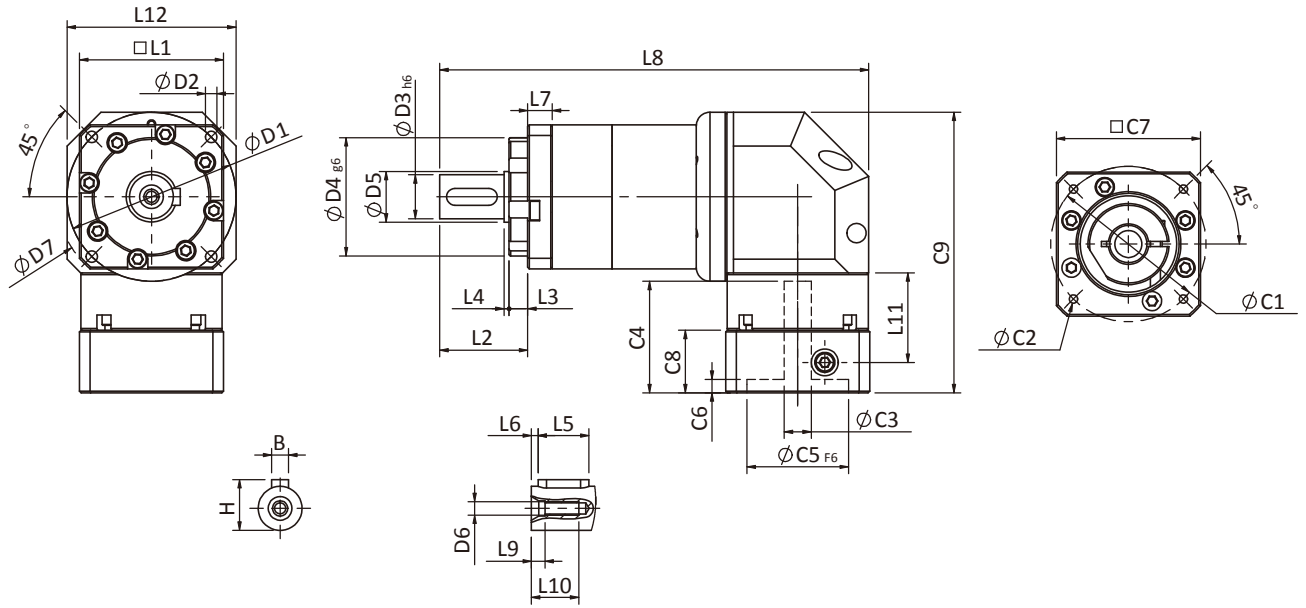
★ C1~C9是公製標準馬達連接板尺寸,請依所選用的馬達決定.

★ 本公司有權針對以上數據規格逕行設計變更不先行告知.

★ C1~C9 are motor specific dimensions(metric std shown).
Size may vary according to motor flange.

★ Specification subject to change without notice.

PAER Double Stage Dimensions-1 PAER雙段外型尺寸圖-1



Specifications 規格

Unit:mm

尺寸 Dimensions	PAER42	PAER60	PAER90	PAER115
D1	50	70	100	-
D2	3.4	5.5	6.5	-
D3 _{h6}	13	16	22	-
D4 _{g6}	35	50	80	-
D5	15	20	35	-
D6	M4x0.7P	M5x0.8P	M8x1.25P	-
D7	56	80	118	-
L1 ¹	42.6 (44)	60	90	-
L2	26	37	48	-
L3	5.5	7	10	-
L4	1.5	1.5	1.5	-
L5	15	25	32	-
L6	2	2	3	-
L7	7.3	10	12	-
L8	126.9	174.3	235.5	-
L9	4	4	4.5	-
L10	14	16.5	20.5	-
L11	26.5	36	40.7	-
L12	50	70	98	-
C1 ²	46	70	90	-
C2 ²	M4x0.7P	M5x0.8P	M6x1.0P	-
C3 ²	≤8/≤11	≤14/≤19	≤19/≤24	-
C4 ²	33	44	57	-
C5 ² _{F6}	30	50	70	-
C6 ²	4	4	6	-
C7 ²	42.6	60	90	-
C8 ²	18.5	20	26	-
C9 ²	83	111.4	149.2	-
B	5	5	6	-
H	15	18	24.5	-

*1. 減速比100、200、300時，L1=44

*2. 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。

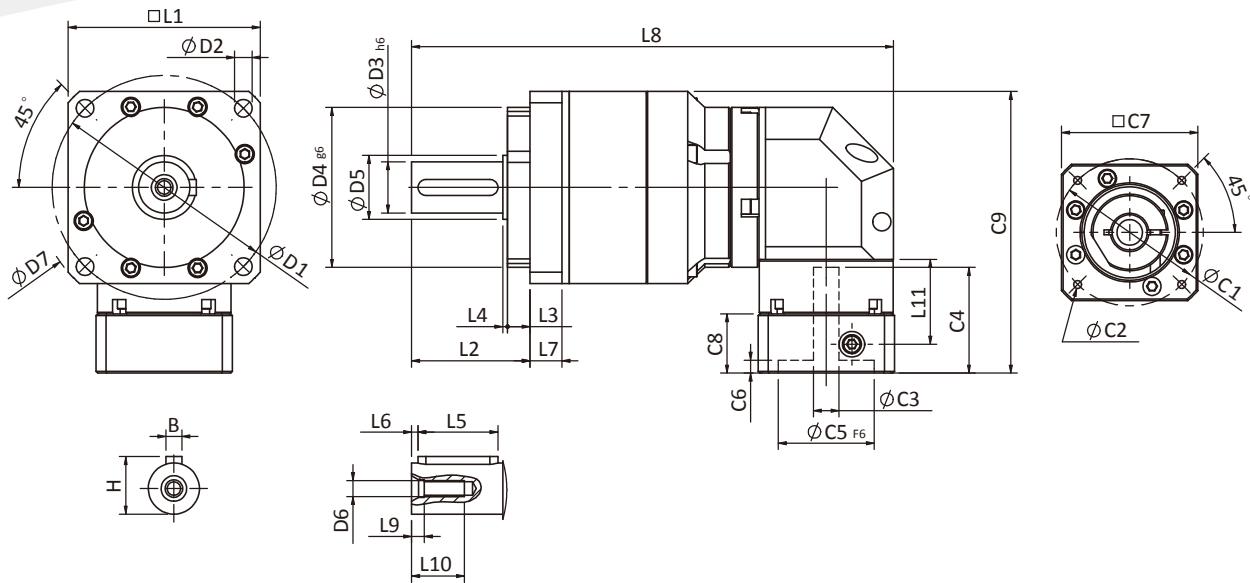
*1. L1=44 when gear ratios are 100, 200, and 300.

*2. C1~C9 are motor specific dimensions (metric std shown).

Sizes may vary according to the motor flange chosen.

★ Specification subject to change without notice.

PAER Double Stage Dimensions-2 PAER雙段外型尺寸圖-2



Specifications 規格

Unit:mm

尺寸 Dimensions	PAER60T	PAER90T	PAER115T
D1	70	100	130
D2	5.5	6.5	9
D3 _{h6}	16	22	32
D4 _{g6}	50	80	110
D5	20	35	44
D6	M5x0.8P	M8x1.25P	M12x1.75P
D7	80	118	148
L1	60	90	115
L2	37	48	65
L3	7	10	12
L4	1.5	1.5	2
L5	25	32	40
L6	2	3	5
L7	10	12	16
L8	150.6	190.6	268.1
L9	4	4.5	6
L10	16.5	20.5	30
L11	26.5	36	40.7
C1 ²	46	70	90
C2 ²	M4x0.7P	M5x0.8P	M6x1.0P
C3 ²	≤8/≤11	≤14/≤19	≤19/≤24
C4 ²	33	44	57
C5 ² _{F6}	30	50	70
C6 ²	4	4	6
C7 ²	42.6	60	90
C8 ²	18.5	20	26
C9 ²	88	121.4	157.7
B	5	6	10
H	18	24.5	35

*2. C1~C9是公製標準馬達連接板尺寸，請依所選用的馬達決定。

*2. C1~C9 are motor specific dimensions (metric std shown).
Sizes may vary according to the motor flange chosen.

★ 本公司有權針對以上數據規格進行設計變更不先行告知。

★ Specification subject to change without notice.

PAER Specifications Table PAER性能規格共表

規格 Specifications		節數 Stage	減速比 Ratio	PAER-42	PAER-60	PAER-90	PAER-115
額定輸出力矩 T_{2N} Nominal Output Torque	N • m	1	3	9	28	85	135
			4	10	32	80	180
			5	11	35	95	215
			7	10	28	85	220
			8	10	32	80	210
			9	9	25	75	210
			10	11	35	95	210
			12	10	32	80	-
			14	10	28	85	220
		15	11	35	95	-	
		節數 Stage	減速比 Ratio	PAER-42	PAER-60/ PAER-60T	PAER-90/ PAER-90T	PAER-115T
		2	20	10	32	80	240
			25	11	35	95	240
			30	11	34	90	230
			35	11	35	95	240
			40	10	32	80	240
			50	11	35	95	240
			60	11	35	95	240
			70	11	35	95	240
			80	11	35	95	240
			100	8	35	95	240
			120	11	35	95	240
			140	-	28	85	220
			200	8	21	65	190
			300	8	21	65	190
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	3-300	4500	4000	3000	2500
最大輸入轉速 n_{1max} Max. Input Speed	rpm	1,2	3-300	7500	7000	6000	5000
標準背隙 Standard Backlash P2	arcmin	1 2	3-16 20-300	≤ 18 ≤ 20	≤ 15 ≤ 17	≤ 13 ≤ 15	≤ 11 ≤ 13
扭轉剛性 Torsional Rigidity	N • m /arcmin	1,2	3-300	1.5	4.0	8.5	17
容許徑向力 F_{2rB}^1 Max. Radial Load	N	1,2	3-300	760	1250	2030	4200
容許軸向力 F_{2aB}^1 Max. Axial Load	N	1,2	3-300	410	700	1200	2600
使用溫度 Operating Temp.	°C	1,2	3-300	-10°C ~ +90°C			
使用壽命 Service Life	hr	1,2	3-300	20,000 (10,000 連續運轉 Continuous operation)			
效率 Efficiency	%	1 2	3-16 20-300	$\geq 95\%$ $\geq 90\%$			
重量 Weight	kg	1 2	3-16 20-300	1.1 1.3	2.6 3.2/3.0	6.5 8.7/7.1	13.4 15.1
安裝方向 Mounting Position	-	1,2	3-300	任意方向 Any direction			
噪音值 Noise Level ²	dBA/1m	1,2	3-300	66	68	70	73
防護等級 Protection Class	-	1,2	3-300	IP 65			
潤滑 Lubrication	-	1,2	3-300	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		PAER-42 (ϕ 8)	PAER-60 (ϕ 14)	PAER-90 (ϕ 19)	PAER-115 (ϕ 24)
1	3, 4, 5, 7	Kg • cm ²		0.07	0.40	2.0	2.7
	其它比數 Other ratios			0.05	0.30	1.5	2.2
節數 Stage	減速比 Ratio			PAER-42 (ϕ 8)	PAER-60 (ϕ 14) PAER-60T (ϕ 8)	PAER-90 (ϕ 19) PAER-90T (ϕ 14)	PAER-115T (ϕ 19)
2	20, 25, 35			0.07	0.40/0.07	2.30/0.40	2.2
	其它比數 Other ratios			0.05	0.30/0.05	1.50/0.30	1.5

* 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。