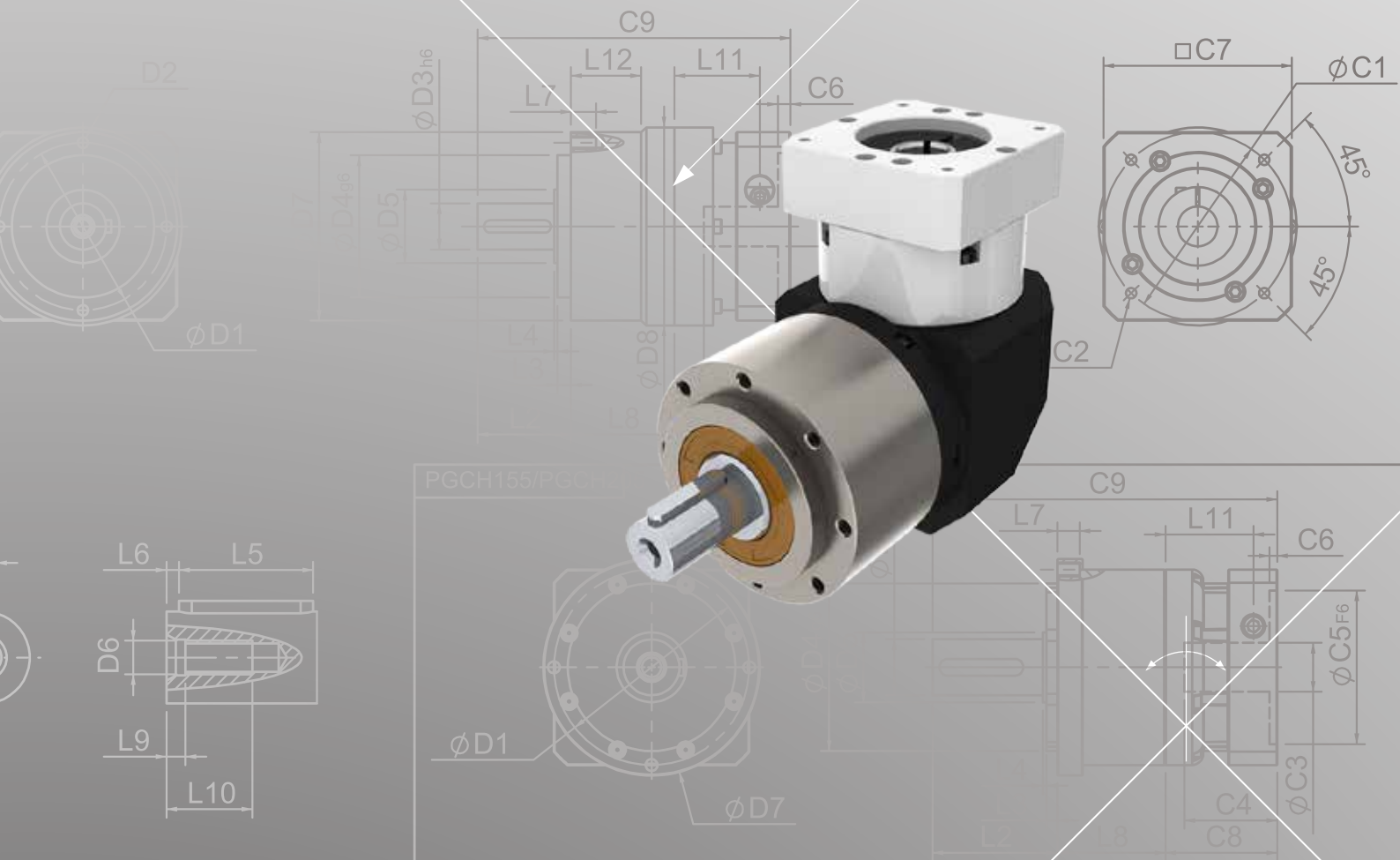
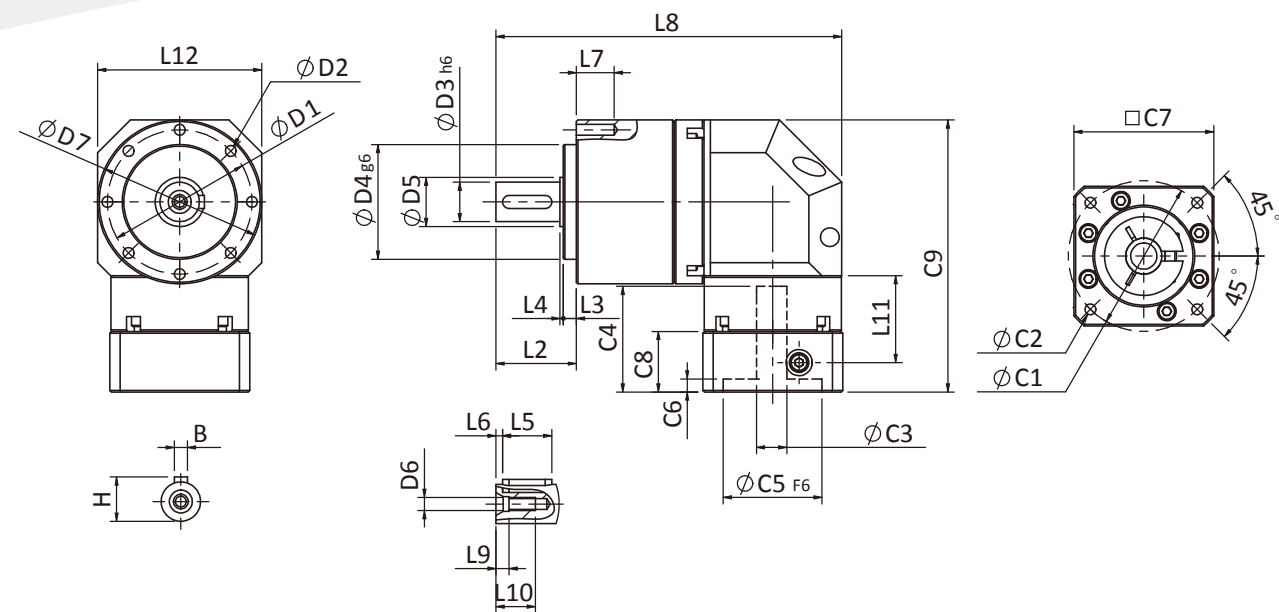


PGCHR SERIES





Unit:mm

尺寸 Dimensions	PGCHR50	PGCHR70	PGCHR90
D1	44	62	80
D2	M4x0.7P	M5x0.8P	M6x1.0P
D3 _{h6}	12	16	22
D4 _{g6}	35	52	68
D5	15	25	35
D6	M4x0.7P	M5x0.8P	M8x1.25P
D7	50	70	90
-	-	-	-
L2	24.5	36	44.5
L3	4	6	6.5
L4	1	1.5	1.5
L5	15	25	32
L6	2	2	3
L7	8	10	12
L8	105.3	144.3	201
L9	4	4	4.5
L10	12	16.5	20.5
L11	26.5	36	41.2
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	4	5	6
H	13.5	18	24.5

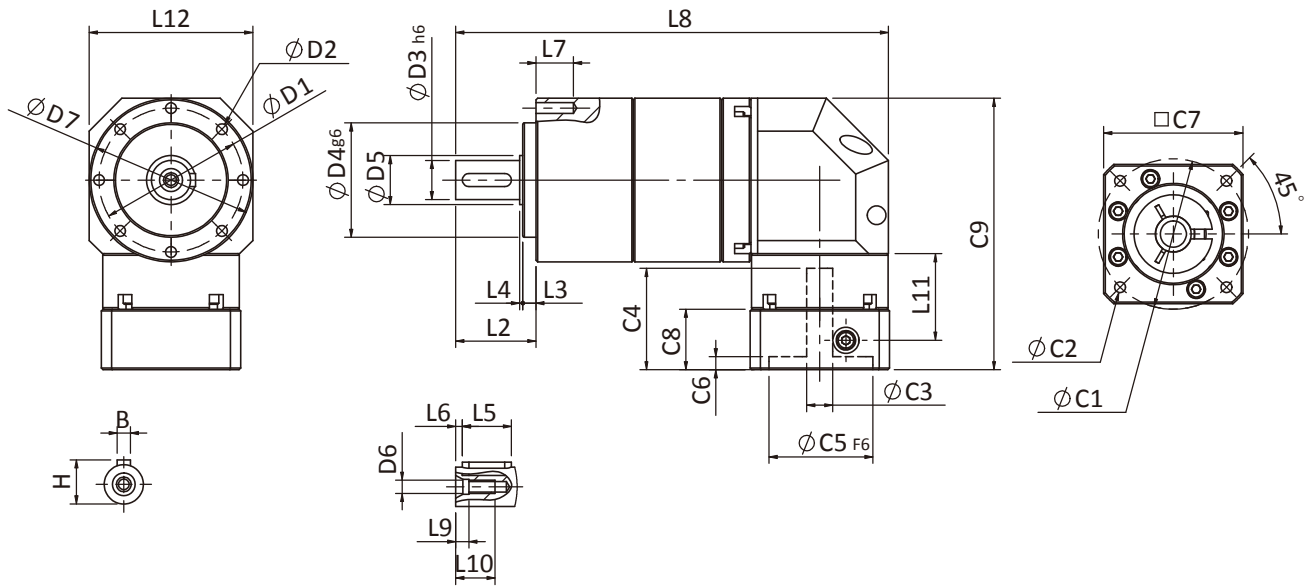
*2. C1~C9是公製標準馬達連接板尺寸，請依所選用的馬達決定。

*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逕行設計變更不先行告知。

★ Specification subject to change without notice.

PGCHR Double Stage Dims.-1 PGCHR雙段外型尺寸圖-1



Specifications 規格

Unit:mm

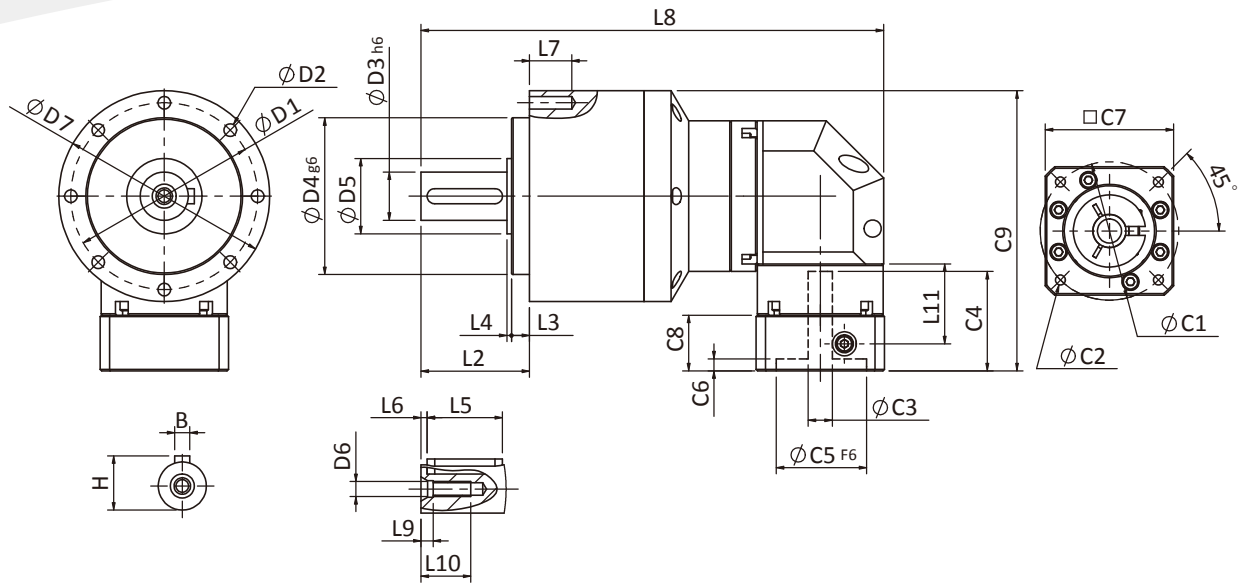
尺寸 Dimensions	PGCHR50	PGCHR70	PGCHR90
D1	44	62	80
D2	M4x0.7P	M5x0.8P	M6x1.0P
D3 h6	12	16	22
D4 g6	35	52	68
D5	15	25	35
D6	M4x0.7P	M5x0.8P	M8x1.25P
D7	50	70	90
-	-	-	-
L2	24.5	36	44.5
L3	4	6	6.5
L4	1	1.5	1.5
L5	15	25	32
L6	2	2	3
L7	8	10	12
L8	132.3	177.3	245
L9	4	4	4.5
L10	12	16.5	20.5
L11	26.5	36	41.2
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	4	5	6
H	13.5	18	24.5

*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逕行設計變更不先行告知。

★ Specification subject to change without notice.

PGCHR Double Stage Dims.-2 PGCHR雙段外型尺寸圖-2



Specifications 規格

Unit:mm

尺寸 Dimensions	PGCHR70T	PGCHR90T	PGCHR120T
D1	62	80	108
D2	M5x0.8P	M6x1.0P	M8x1.25P
D3 _{h6}	16	22	32
D4 _{g6}	52	68	90
D5	25	35	45
D6	M5x0.8P	M8x1.25P	M12x1.75P
D7	70	90	120
-	-	-	-
L2	36	44.5	60
L3	6	6.5	7
L4	1.5	1.5	3.5
L5	25	32	40
L6	2	3	5
L7	10	12	16
L8	153.5	196.8	269.5
L9	4	4.5	6
L10	16.5	20.5	30
L11	26.5	36	41.2
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 _{F6} ²	30	50	70
C6 ²	4	4	6
C7 ²	42.6	60	90
C8 ²	18.5	20	26
C9 ²	93	123.65	160.2
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逕行設計變更不先行告知。

★ Specification subject to change without notice.

PGCHR Specs. Table PGCHR性能規格共表

規格 Specifications		節數 Stage	減速比 Ratio	PGCHR-50	PGCHR-70	PGCHR-90	PGCHR-120
額定輸出力矩 T_{2N} Nominal Output Torque	N • m	1	3	16	36	105	135
			4	18	48	140	180
			5	17	54	140	225
			7	14	44	125	300
			8	18	48	140	260
			9	16	35	95	230
			10	17	50	140	210
			12	18	40	120	-
			14	14	44	125	300
			15	17	45	135	-
		20	11	37	95	230	
		節數 Stage	減速比 Ratio	PGCHR-50	PGCHR-70/ PGCHR-70T	PGCHR-90/ PGCHR-90T	PGCHR-120T
		2	20	20	55	150	300
			25	17	54	140	330
			30	19	53	145	330
			35	17	54	140	330
			40	20	55	150	300
			50	17	54	140	330
			60	17	54	140	330
			70	17	54	140	330
	80		17	54	140	330	
	100		17	54	140	330	
	120	17	54	140	330		
	140	14	44	125	300		
	200	11	37	95	230		
300	11	37	95	230			
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	5000	4000	4000	4000
最大輸入轉速 n_{1max} Max. Input Speed	rpm	1,2	3-300	10000	8000	8000	8000
標準背隙 Standard Backlash P2	arcmin	1 2	3-16 20-300	≤ 10 ≤ 12	≤ 10 ≤ 12	≤ 9 ≤ 11	≤ 8 ≤ 10
扭轉剛性 Torsional Rigidity	N • m /arcmin	1,2	3-300	3	7	14	25
容許徑向力 F_{2rB}^1 Max. Radial Load	N	1,2	3-300	702	1377	2985	6100
容許軸向力 F_{2aB}^1 Max. Axial Load	N	1,2	3-300	410	765	1625	3350
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	$\geq 95\%$ $\geq 92\%$			
重量 Weight	kg	1 2	3-16 20-300	1.1 1.4	2.6 2.8/2.0	6.0 8.0/5.0	10.5 12.0
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	61	63	65	68
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	PGCHR-50 (ϕ 8)	PGCHR-70 (ϕ 14)	PGCHR-90 (ϕ 19)	PGCHR-120 (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			PGCHR-50 (ϕ 8)	PGCHR-70 (ϕ 14) PGCHR-70T (ϕ 8)	PGCHR-90 (ϕ 19) PGCHR-90T (ϕ 14)	PGCHR-120T (ϕ 19)
2	20, 25, 35			0.07	0.40/0.07	2.30/0.40	2.0
	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.							

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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。