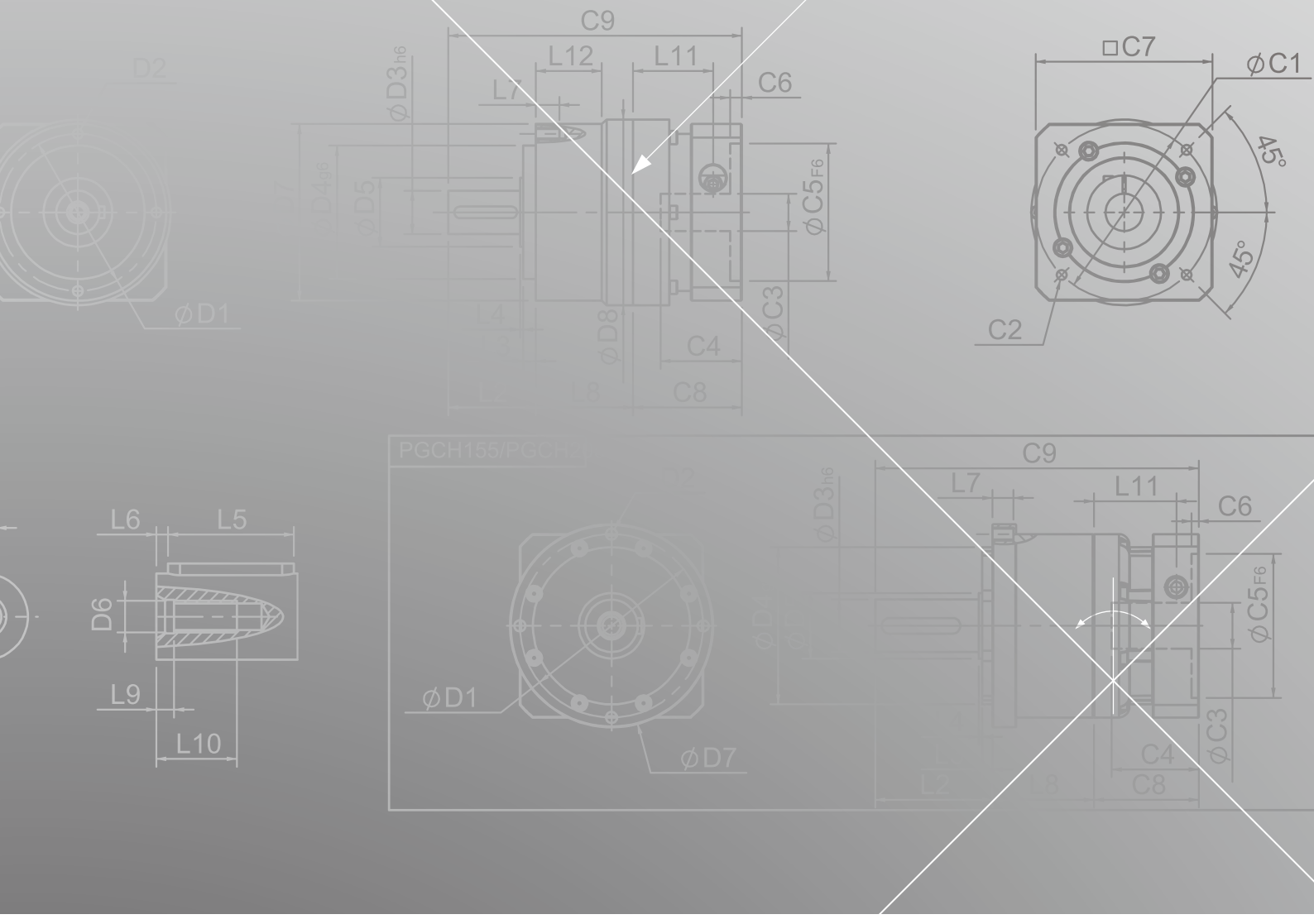
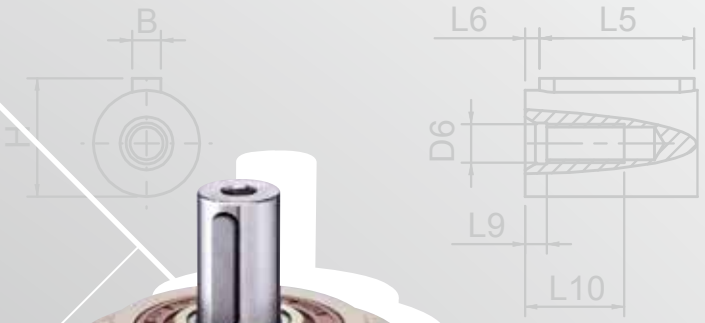
PGCH SERIES

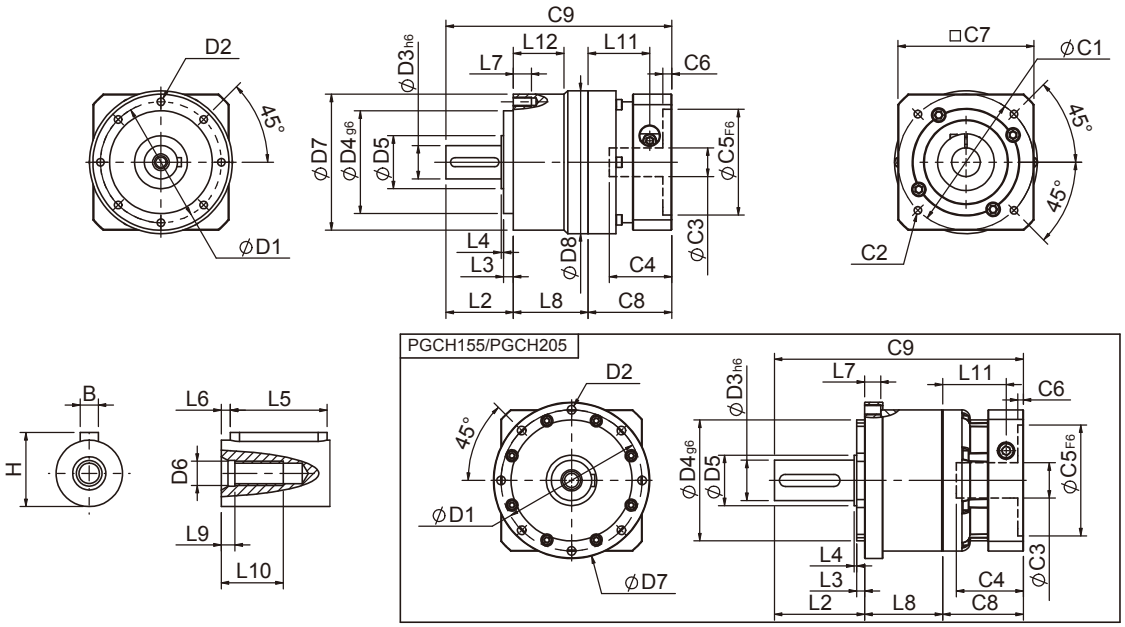

C9
L12
L11
C6
L7
ØD3h6
ØD5
ØD4g6
ØC5F6
ØC3
ØD8
C4
C8
L4
L3
L2
L8
D2
ØD1
□C7
ØC1
45°
45°
C2
L6
L5
D6
L9
L10
PGCH155/PGCH4
ØD1
ØD7
C9
L7
L11
C6
ØD3h6
ØC5F6
ØC3
C4
C8

D2
ØD1
C9
ØD3h6
L12
L11
L7
C6
ØD7
ØD4g6
ØD5
ØC5F6
L4
L3
L2
L8
ØD8
C4
C8
ØC3
□C7
C2
45°


B
L6
L5
D6
L9
L10


SESAME
SESAME
SESAME

PGCH Single Stage Dimensions PGCH單段外型尺寸圖



Specifications 規格

Unit:mm

尺寸 Dimensions	PGCH50	PGCH70	PGCH90	PGCH120	PGCH155	PGCH205
D1	44	62	80	108	140	184
D2	M4x0.7P	M5x0.8P	M6x1.0P	M8x1.25P	M10x1.5P	M12x1.75P
$D3_{h6}$	12	16	22	32	40	55
$D4_{g6}$	35	52	68	90	120	160
D5	15	25	35	45	50	70
D6	M4x0.7P	M5x0.8P	M8x1.25P	M12x1.75P	M16x2.0P	M20x2.5P
D7	50	70	90	120	155	205
D8	-	-	94.5	-	-	-
L2	24.5	36	44.5	60	89.5	96.5
L3	4	6	6.5	7	8	12
L4	1	1.5	1.5	3.5	2.5	2.5
L5	15	25	32	40	60	70
L6	2	2	3	5	5	6
L7	8	10	12	16	16	20
L8	29.8	38	49.5	60	77.5	98
L9	4	4	4.5	6	6	8
L10	12	16.5	20.5	30	38	48
L11	29	35.4	40.7	53.7	63	69.5
L12	-	-	33.5	-	-	-
$C1^{2}$	46	70	90	115	145	200
$C2^{2}$	M4x0.7P	M5x0.8P	M6x1.0P	M8x1.25P	M8x1.25P	M12x1.75P
$C3^{2}$	≦8/≦11	≦14/≦19	≦19/≦24	≦24/≦32/≦38	≦35/≦38	≦50
$C4^{2}$	26.5	37.6	41.4	51.3	66.5	77
$C5^{2}{}_{F6}$	30	50	70	95	110	114.3
$C6^{2}$	4.1	4.5	6	6	5.5	6
$C7^{2}$	42	60	90	115	140	180
$C8^{2}$	38.1	46.5	55.4	70	80	90
$C9^{2}$	92.4	120.5	149.4	190	247	284.5
B	4	5	6	10	12	16
H	13.5	18	24.5	35	43	59

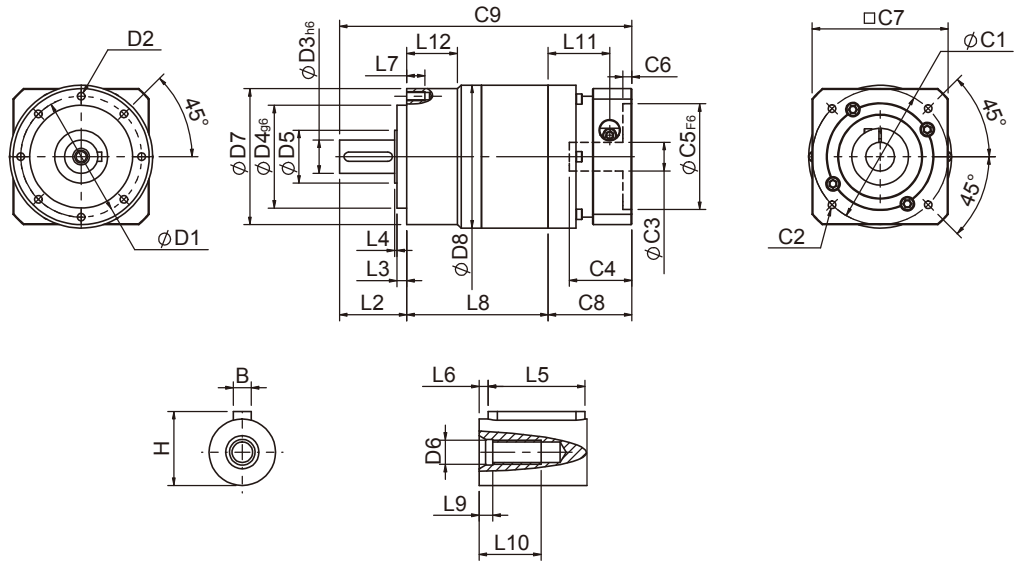
★ C1~C9是公製標準馬達連接板尺寸,請依所選用的馬達決定.

★ 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 the motor flange chosen.

★ Specification subject to change without notice.

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



Specifications 規格

Unit:mm

尺寸 Dimensions	PGCH50	PGCH70	PGCH90
D1	4	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
D8	-	-	94.5
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	56.8	71	93.5
L9	4	4	4.5
L10	12	16.5	20.5
L11	29	35.4	40.7
L12	-	-	33.5
$C1^2$	46	70	90
$C2^2$	M4x0.7P	M5x0.8P	M6x1.0P
$C3^2$	≦8/≦11	≦14/≦19	≦19/≦24
$C4^2$	26.5	37.6	41.4
$C5^2{}_{F6}$	30	50	70
$C6^2$	4.1	4.5	6
$C7^2$	42	60	90
$C8^2$	38.1	46.5	55.4
$C9^2$	119.4	153.5	193.4
B	4	5	6
H	13.5	18	24.5

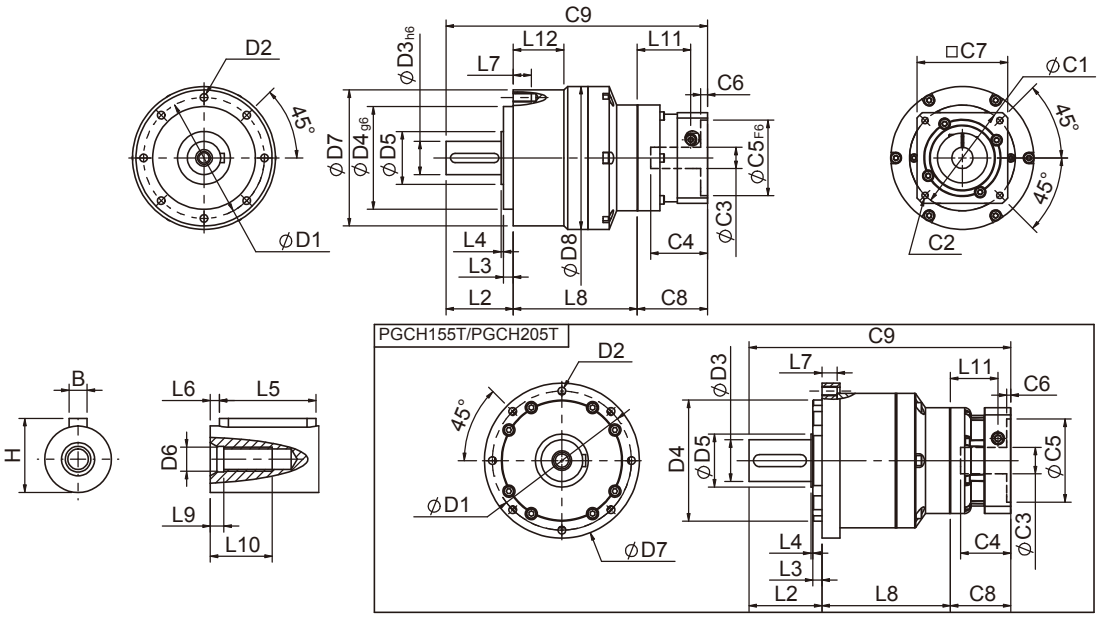
★ C1~C9是公製標準馬達連接板尺寸,請依所選用的馬達決定.

★ 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 the motor flange chosen.

★ Specification subject to change without notice.

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



Specifications 規格

Unit:mm

尺寸 Dimensions	PGCH70T	PGCH90T	PGCH120T	PGCH155T	PGCH205T
D1	62	80	108	140	184
D2	M5x0.8P	M6x1.0P	M8x1.25P	M10x1.5P	M12x1.75P
$D3_{h6}$	16	22	32	40	55
$D4_{g6}$	52	68	90	120	160
D5	25	35	45	50	70
D6	M5x0.8P	M8x1.25P	M12x1.75P	M16x2.0P	M20x2.5P
D7	70	90	120	155	205
D8	-	94.5	-	-	-
L2	36	44.5	60	89.5	96.5
L3	6	6.5	7	8	12
L4	1.5	1.5	3.5	2.5	2.5
L5	25	32	40	60	70
L6	2	3	5	5	6
L7	10	12	16	16	20
L8	66.5	82	102.5	129.5	170
L9	4	4.5	6	6	8
L10	16.5	20.5	30	38	48
L11	29	35.4	40.7	53.7	63
L12	-	33.5	-	-	-
$C1^{2}$	46	70	90	115	145
$C2^{2}$	M4x0.7P	M5x0.8P	M6x1.0P	M8x1.25P	M8x1.25P
$C3^{2}$	≦8/≦11	≦14/≦19	≦19/≦24	≦24/≦32/≦38	≦35/≦38
$C4^{2}$	26.5	37.6	41.4	51.3	66.5
$C5^{2}{}_{F6}$	30	50	70	95	110
$C6^{2}$	4.1	4.5	6	6	5.5
$C7^{2}$	42	60	90	115	140
$C8^{2}$	38.1	46.5	55.4	70	80
$C9^{2}$	140.6	173	217.9	289	346.5
B	5	6	10	12	16
H	18	24.5	35	43	59

★ 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 the motor flange chosen.

★ Specification subject to change without notice.

PGCH Specifications Table PGCH性能規格共表

規格 Specifications		節數 Stage	減速比 Ratio	PGCH-50	PGCH-70	PGCH-90	PGCH-120	PGCH-155	PGCH-205	PGCH-235
額定輸出力矩T_{2N} Nominal Output Torque	N · m	1	3	19	53	145	290	520	950	1100
			4	20	55	150	300	550	1000	1700
			5	17	54	140	330	600	1050	2000
			6	15	46	135	310	560	1000	1900
			7	14	44	125	300	530	960	1800
			8	12	41	110	260	480	900	1600
			9	11	37	95	230	430	800	1500
			10	11	37	95	230	430	800	1500
		節數 Stage	減速比 Ratio	PGCH-50	PGCH-70 PGCH-70T	PGCH-90 PGCH-90T	PGCH-120T	PGCH-155T	PGCH-205T	PGCH-235T
		2	15	19	53	145	290	520	950	2000
			20	20	55	150	300	550	1000	2000
			25	17	54	140	330	600	1050	2000
			30	17	54	140	330	600	1050	2000
			35	17	54	140	330	600	1050	2000
			40	17	54	140	330	600	1050	2000
			45	17	54	140	330	600	1050	2000
			50	17	54	140	330	600	1050	2000
			60	15	46	135	310	560	1000	2000
			70	14	44	125	300	530	960	1900
			80	12	41	110	260	480	900	1800
			90	11	37	95	230	430	800	1600
			100	11	37	95	230	430	800	1500
急停力矩 T_{2NOT} Emergency Stop Torque	N · m	3.0倍額定輸出力矩 (3.0 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	3-100	5000	4000	4000	4000	3000	2500	2000
最大輸入轉速 n_{1max} Max. Input Speed	rpm	1,2	3-100	10000	8000	8000	8000	5000	4000	3500
精密背隙 Micro Backlash P0	arcmin	1	3-10	≦4	≦4	≦4	≦3	≦3	≦3	≦3
		2	12-100	≦6	≦6	≦6	≦5	≦5	≦5	≦5
精密背隙 Precision Backlash P1	arcmin	1	3-10	≦6	≦6	≦6	≦5	≦5	≦5	≦5
		2	12-100	≦8	≦8	≦8	≦7	≦7	≦7	≦7
標準背隙 Standard Backlash P2	arcmin	1	3-10	≦8	≦8	≦8	≦7	≦7	≦7	≦7
		2	12-100	≦10	≦10	≦10	≦9	≦9	≦9	≦9
扭轉剛性 Torsional Rigidity	N · m /arcmin	1,2	3-100	3	7	14	25	50	145	300
容許徑向力 F_{2rB}[1] Max. Radial Load	N	1,2	3-100	702	1377	2985	6100	7140	11050	28000
容許軸向力 F_{2aB}[1] Max. Axial Load	N	1,2	3-100	410	765	1625	3350	4670	6460	15000
使用溫度 Operating Temp.	℃		3-100	-10℃~+90℃						
使用壽命 Service Life	hr		3-100	20,000 (10,000/連續運轉 Continuous operation)						
效率 Efficiency	%	1	3-10	≧ 97%						
		2	12-100	≧ 94%						
重量 Weight	kg	1	3-10	0.6	1.3	3.5	7.8	16.1	27	55
		2	12-100	0.9	2.0/1.6	5.6/3.9	9.5	19	34	67
安裝方向 Mounting Position	-	1,2	3-100	任意方向 Any Direction						
噪音值 Noise Level[2]	dBA/1m	1,2	3-100	56	58	60	63	65	67	70
防護等級 Protection Class	-	1,2	3-100	IP65						
潤滑 Lubrication	-	1,2	3-100	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	PGCH-50	PGCH-70	PGCH-90	PGCH-120	PGCH-155	PGCH-205	PGCH-235
1	3	$Kg \cdot cm^2$	0.03	0.23	0.97	2.35	10.00	30.50	79.50
	4		0.02	0.18	0.67	1.66	7.17	25.86	58.21
	5		0.02	0.17	0.65	1.50	6.52	23.63	54.36
	6/7/8		0.02	0.14	0.60	1.45	6.17	22.92	54.12
	9/10		0.02	0.14	0.58	1.41	6.10	22.73	53.98
節數 Stage	減速比 Ratio		PGCH-50	PGCH-70(T)	PGCH-90(T)	PGCH-120T	PGCH-155T	PGCH-205T	PGCH-235T
2	15/20/25		0.02	0.17(0.02)	0.65(0.17)	0.65	1.50	6.52	30.50
	30/35/40		0.02	0.14(0.02)	0.60(0.14)	0.60	1.45	6.17	22.92
	45/50/60/70/80/90/100		0.02	0.14(0.02)	0.58(0.14)	0.58	1.41	6.10	22.73

* 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.

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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。