

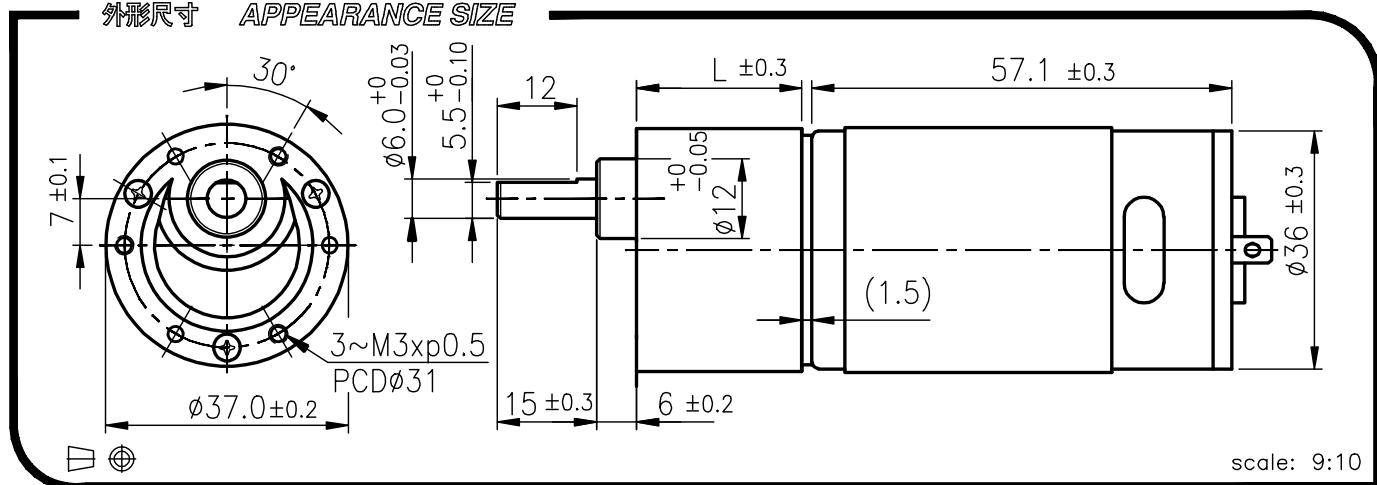
# RB-37GM

## 07&09 TYPE



REDUCTION RATIO	L	REDUCTION RATIO	L
1/6~1/10	19.5	1/120~1/300	27.0
1/18~1/30	22.0	1/350~1/1000	29.5
1/36~1/100	24.5	1/1500~1/3000	32.0

外形尺寸 APPEARANCE SIZE



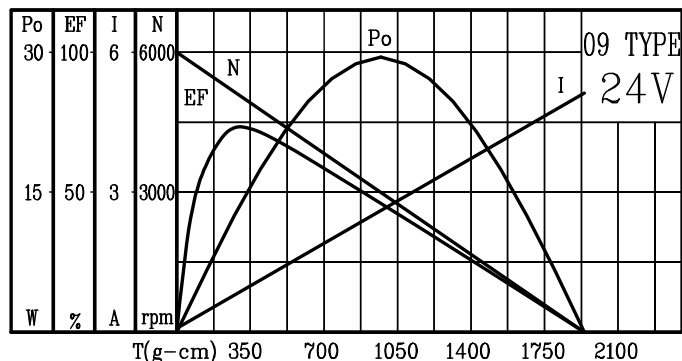
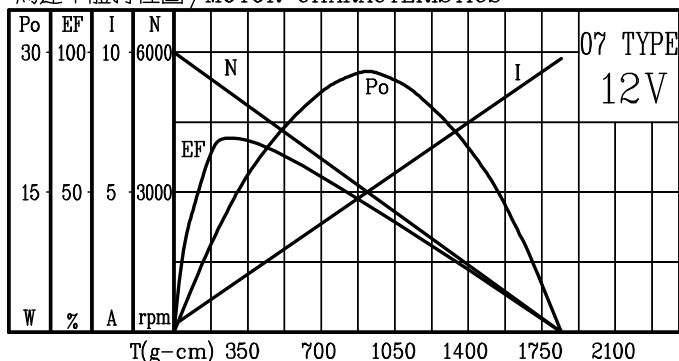
GEARED MOTOR TORQUE/SPEED

	減速比 Reduction ratio	1/10	1/18	1/30	1/50	1/60	1/75	1/90	1/100	1/120	1/150	1/180	1/200	1/250	1/300	1/500	1/600	1/750	1/1000	1/1500	1/3000
		1.0	1.0	2.0	3.0	3.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
12V	規格扭力(Kg-cm) Rated torque	1.0	1.0	2.0	3.0	3.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	規格回轉數(rpm) Rated speed	528	313	185	109	95	76	63	55	47	36	31.5	29	22.5	19.5	11.5	9.8	8.0	5.9	3.9	2.0
24V	規格扭力(Kg-cm) Rated torque	1.0	1.0	2.0	3.0	3.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	規格回轉數(rpm) Rated speed	532	315	186	111	96	77	64	55.5	48	36	32	29.5	23	20	11.8	9.9	8.0	6.0	4.0	2.0

馬達單體型式 / MOTOR DATA

定格電壓 Rated volt (V)	定格扭力 Rated torque (g-cm)	定格回轉數 Rated speed (rpm)	定格電流 Rated current (mA)	無負荷回轉數 No load speed (rpm)	無負荷電流 No load current (mA)	定格出力 Rated output (W)	重量 Weight (g)
12	250	4930	≤ 1600	6000	≤ 250	12.80	220
24	240	5150	≤ 750	6000	≤ 130	12.70	220

馬達單體特性圖 / MOTOR CHARACTERISTICS



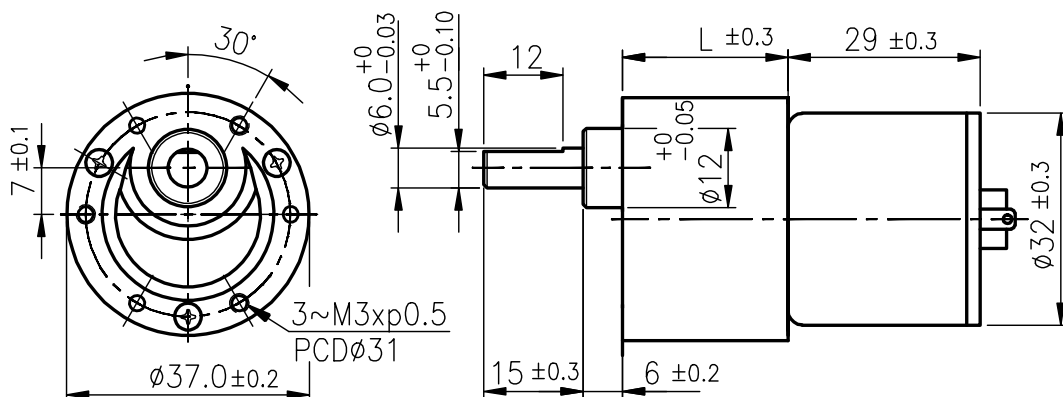
# RB-37GM

## 11&12 TYPE



REDUCTION RATIO	L	REDUCTION RATIO	L
1/6~1/10	19.5	1/120~1/300	27.0
1/18~1/30	22.0	1/350~1/1000	29.5
1/36~1/100	24.5	1/1500~1/3000	32.0

外形尺寸 APPEARANCE SIZE



scale: 9:10

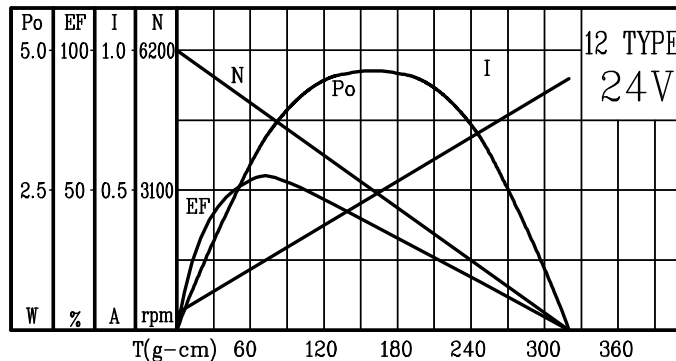
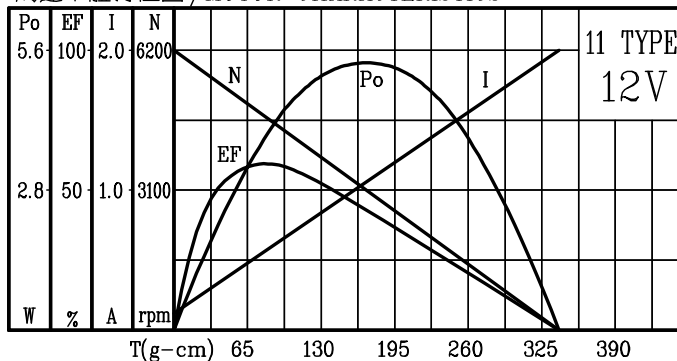
GEARED MOTOR TORQUE/SPEED

	減速比 Reduction ratio	1/10	1/18	1/30	1/50	1/60	1/75	1/90	1/100	1/120	1/150	1/180	1/200	1/250	1/300	1/500	1/600	1/750	1/1000	1/1500	1/3000
12V	定格扭力(Kg-cm) Rated torque	0.5	0.8	1.3	2.0	2.4	2.9	3.5	3.9	4.2	5.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	定格回轉數(rpm) Rated speed	490	270	168	100	84	67	57	51	42.5	34	29	26	22	19	11.2	9.5	8.0	6.0	4.1	2.0
24V	定格扭力(Kg-cm) Rated torque	0.5	0.8	1.4	2.0	2.4	3.0	3.6	4.0	4.4	5.4	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	定格回轉數(rpm) Rated speed	480	250	160	98	83	65	56	50	41.5	33	28.5	26	22	19	11	9.3	7.9	5.9	4.0	2.0

馬達單體型式 / MOTOR DATA

定格電壓 Rated volt (V)	定格扭力 Rated torque (g-cm)	定格回轉數 Rated speed (rpm)	定格電流 Rated current (mA)	無負荷回轉數 No load speed (rpm)	無負荷電流 No load current (mA)	定格出力 Rated output (W)	重量 Weight (g)
12	60	5100	$\leq 470$	6200	$\leq 120$	3.14	75
24	62	5000	$\leq 210$	6200	$\leq 60$	3.17	75

馬達單體特性圖 / MOTOR CHARACTERISTICS



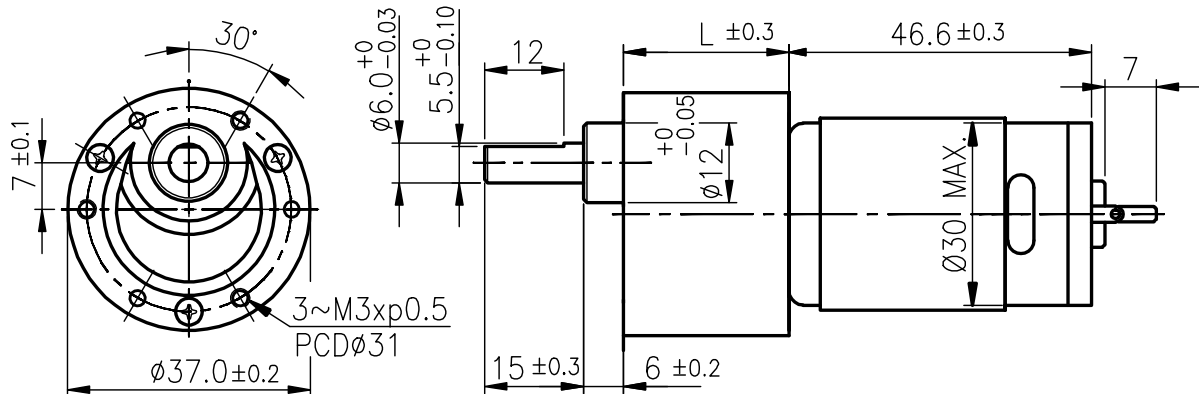
# RB-37GM

## 13&14 TYPE



REDUCTION RATIO	L	REDUCTION RATIO	L
1/6~1/10	19.5	1/120~1/300	27.0
1/18~1/30	22.0	1/350~1/1000	29.5
1/36~1/100	24.5	1/1500~1/3000	32.0

外形尺寸 APPEARANCE SIZE



scale: 9:10

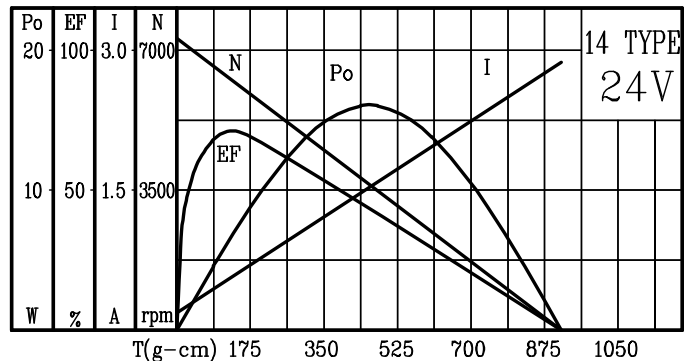
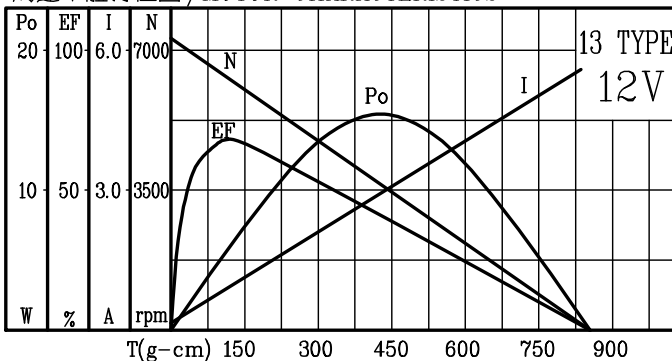
GEARED MOTOR TORQUE/SPEED

	減速比 Reduction ratio	1/10	1/18	1/30	1/50	1/60	1/75	1/90	1/100	1/120	1/150	1/180	1/200	1/250	1/300	1/500	1/600	1/750	1/1000	1/1500	1/3000
12V	定格扭力(Kg-cm) Rated torque	0.89	1.0	2.0	3.0	3.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	定格回轉數(rpm) Rated speed	595	336	200	122	101	82	69	60	50	40	33	30	24	20	11.9	9.9	7.9	6.0	4.0	2.0
24V	定格扭力(Kg-cm) Rated torque	1.0	1.0	2.0	3.0	3.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	定格回轉數(rpm) Rated speed	616	350	208	126	106	85	71	62	51	41	34	31	25	21	12.3	10.3	8.2	6.2	4.1	2.1

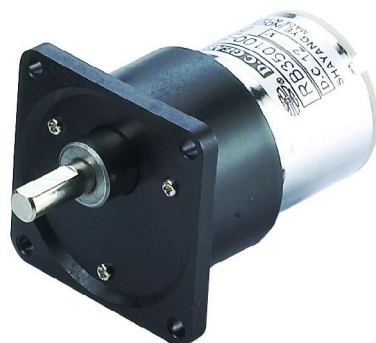
馬達單體型式 / MOTOR DATA

定格電壓 Rated volt (V)	定格扭力 Rated torque (g-cm)	定格回轉數 Rated speed (rpm)	定格電流 Rated current (mA)	無負荷回轉數 No load speed (rpm)	無負荷電流 No load current (mA)	定格出力 Rated output (W)	重量 Weight (g)
12	110	5950	≤ 900	7300	≤ 150	7.0	110
24	130	6160	≤ 500	7300	≤ 80	8.5	110

馬達單體特性圖 / MOTOR CHARACTERISTICS

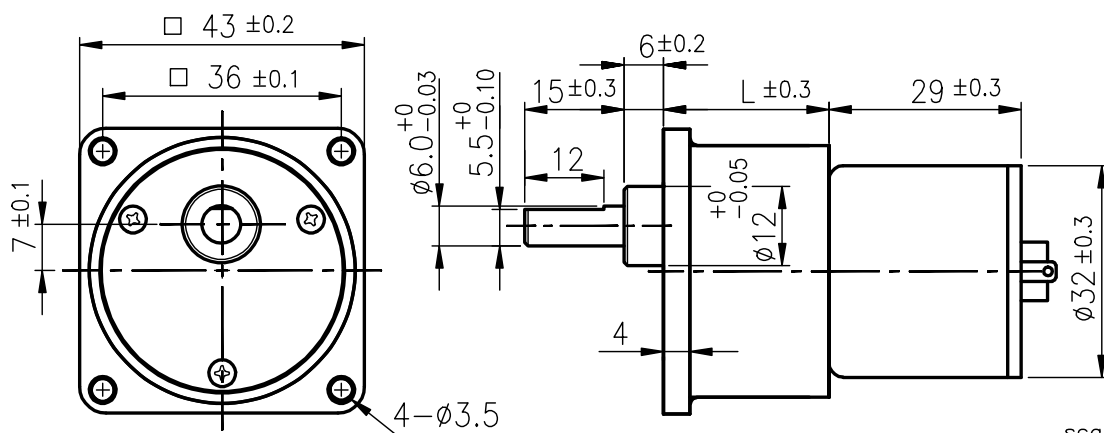


*RB-37GM*  
*21&22 TYPE*



REDUCTION RATIO	L	REDUCTION RATIO	L
1/6~1/10	19.5	1/120~1/300	27.0
1/18~1/30	22.0	1/350~1/1000	29.5
1/36~1/100	24.5		

## 外形尺寸 APPEARANCE SIZE



scale: 9:10

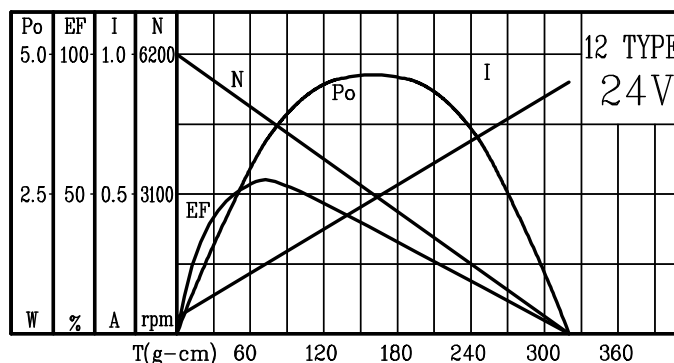
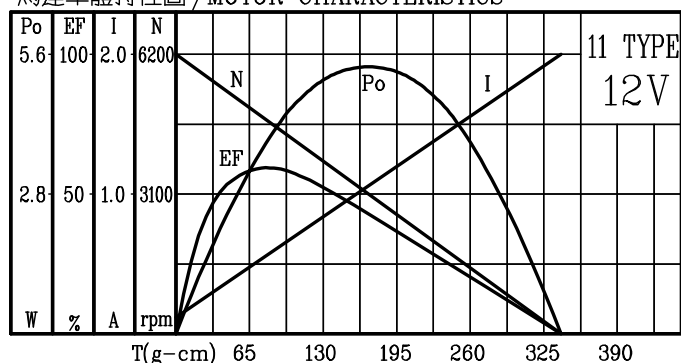
### GEARED MOTOR TORQUE/SPEED

	減 速 比 Reduction ratio	$\frac{1}{10}$	$\frac{1}{18}$	$\frac{1}{30}$	$\frac{1}{50}$	$\frac{1}{60}$	$\frac{1}{75}$	$\frac{1}{90}$	$\frac{1}{100}$	$\frac{1}{120}$	$\frac{1}{150}$	$\frac{1}{180}$	$\frac{1}{200}$	$\frac{1}{250}$	$\frac{1}{300}$	$\frac{1}{500}$	$\frac{1}{600}$	$\frac{1}{750}$	$\frac{1}{1000}$		
12V	定格扭力(Kg-cm) Rated torque	0.5	0.8	1.3	2.0	2.4	2.9	3.5	3.9	4.2	5.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0		
	定格回轉數(rpm) Rated speed	490	270	168	100	84	67	57	51	42.5	34	29	26	22	19	11.2	9.5	8.0	6.0		
24V	定格扭力(Kg-cm) Rated torque	0.5	0.8	1.4	2.0	2.4	3.0	3.6	4.0	4.4	5.4	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0		
	定格回轉數(rpm) Rated speed	480	250	160	98	83	65	56	50	41.5	33	28.5	26	22	19	11	9.3	7.9	5.9		

馬達單體型式 /MOTOR DATA

定格電壓 Rated volt (V)	定格扭力 Rated torque (g·cm)	定格回轉數 Rated speed (rpm)	定格電流 Rated current (mA)	無負荷回轉數 No load speed (rpm)	無負荷電流 No load current (mA)	定格出力 Rated output (W)	重 量 Weight ( g )
12	60	5100	≤ 470	6200	≤ 120	3.14	75
24	62	5000	≤ 210	6200	≤ 60	3.17	75

馬達單體特性圖 / MOTOR CHARACTERISTICS



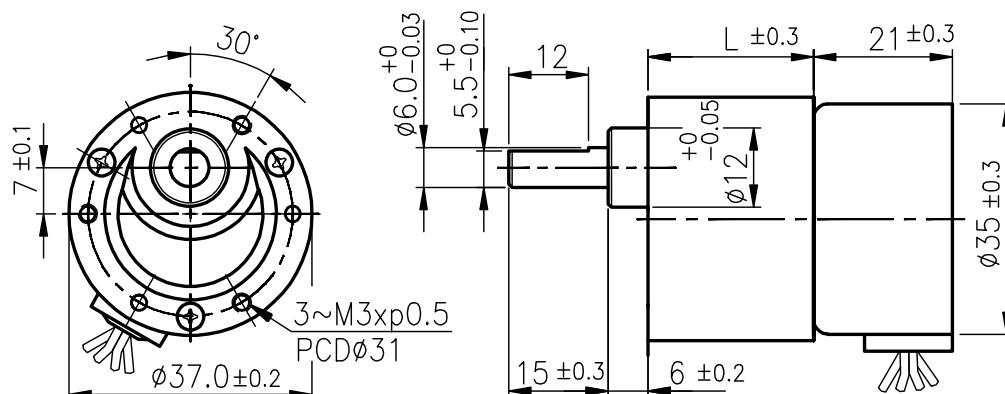
# RB-37GM

## 51 TYPE

REDUCTION RATIO	L	REDUCTION RATIO	L
1/6~1/10	19.5	1/120~1/300	27.0
1/18~1/30	22.0	1/350~1/1000	29.5
1/36~1/100	24.5	1/1500~1/3000	32.0



外形尺寸 APPEARANCE SIZE

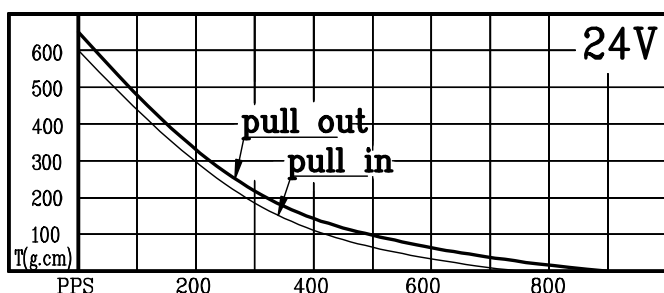
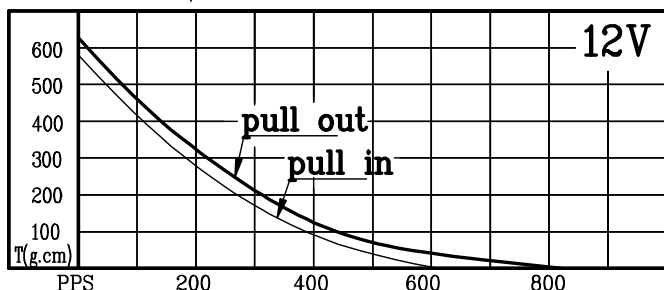


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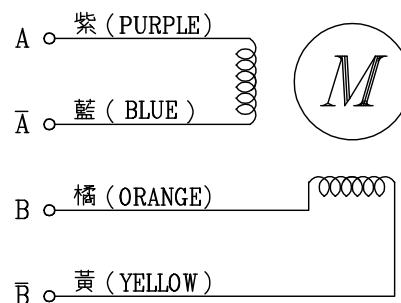
馬達單體型式 / MOTOR DATA

定格電壓 Rated Voltage (V)	線圈阻抗 Winding Resistance (Ω)	電流 Current Per Phase (mA)	相數 Number of Phase	驅動方式 Drive System	回轉角度 Step Angle (DEG)	拘束轉距 Holding Torque (g.cm)	未激磁轉距 Detent Torque (g.cm)	最大自起動頻率 Max. Starting Frequency (PPS)	最大響應頻率 Max. Response Frequency (PPS)	重量 Weight (g)
12	65	180	4	Bipolar	7.5°	580	≤ 150	600	800	76
24	120	200	4	Bipolar	7.5°	600	≤ 150	700	900	76

馬達單體特性圖 / MOTOR CHARACTERISTICS



齒輪箱馬達接線圖 / GEARED MOTOR WIRING DIAGRAM



	WIRE COLOR	1	2	3	4	5	6	7	8
A	PURPLE	+	-	-	+	+	-	-	+
Ā	BLUE	-	+	+	-	-	+	+	-
B	ORANGE	+	+	-	-	+	+	-	-
B̄	YELLOW	-	-	+	+	-	-	+	+

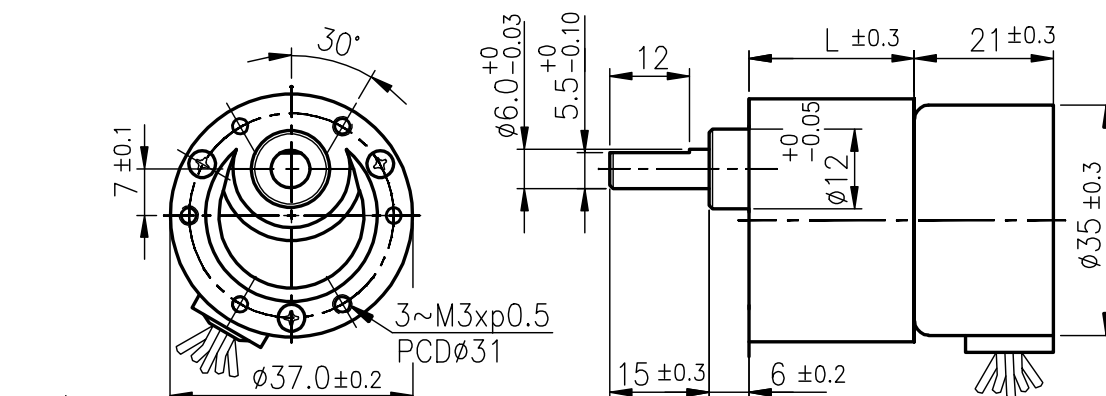
# RB-37GM

## 52 TYPE

REDUCTION RATIO	L	REDUCTION RATIO	L
1/6~1/10	19.5	1/120~1/300	27.0
1/18~1/30	22.0	1/350~1/1000	29.5
1/36~1/100	24.5	1/1500~1/3000	32.0



外形尺寸 APPEARANCE SIZE

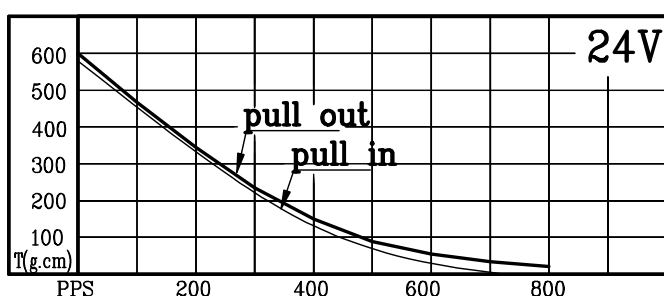
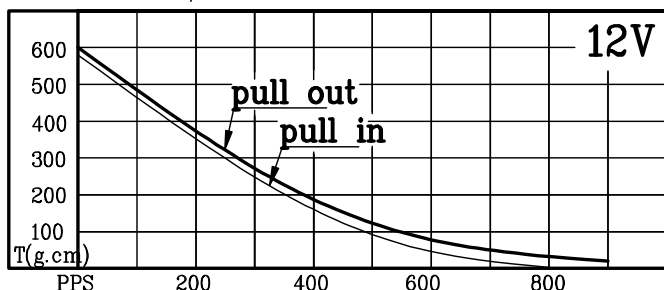


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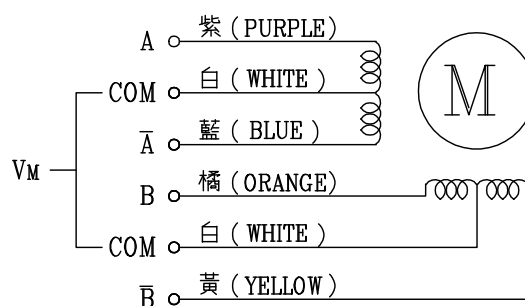
馬達單體型式 / MOTOR DATA

定格電壓 Rated Voltage (V)	線圈阻抗 Winding Resistance ( $\Omega$ )	電流 Current Per Phase (mA)	相數 Number of Phase	驅動方式 Drive System	回轉角度 Step Angle (DEG)	拘束轉距 Holding Torque (g.cm)	未激磁轉距 Detent Torque (g.cm)	最大自起動頻率 Max. Starting Frequency (PPS)	最大響應頻率 Max. Response Frequency (PPS)	重量 Weight (g)
12	65	180	4	Unipolar	$7.5^\circ$	550	$\leq 150$	800	900	77
24	120	200	4	Unipolar	$7.5^\circ$	550	$\leq 150$	750	800	77

馬達單體特性圖 / MOTOR CHARACTERISTICS



齒輪箱馬達接線圖 / GEARED MOTOR WIRING DIAGRAM



	WIRE COLOR	1	2	3	4	5	6	7	8
A	PURPLE	-	-	-	-	-	-	-	-
$\bar{A}$	BLUE	-	-	-	-	-	-	-	-
COM	WHITE	+	+	+	+	+	+	+	+
B	ORANGE	-	-	-	-	-	-	-	-
$\bar{B}$	YELLOW	-	-	-	-	-	-	-	-