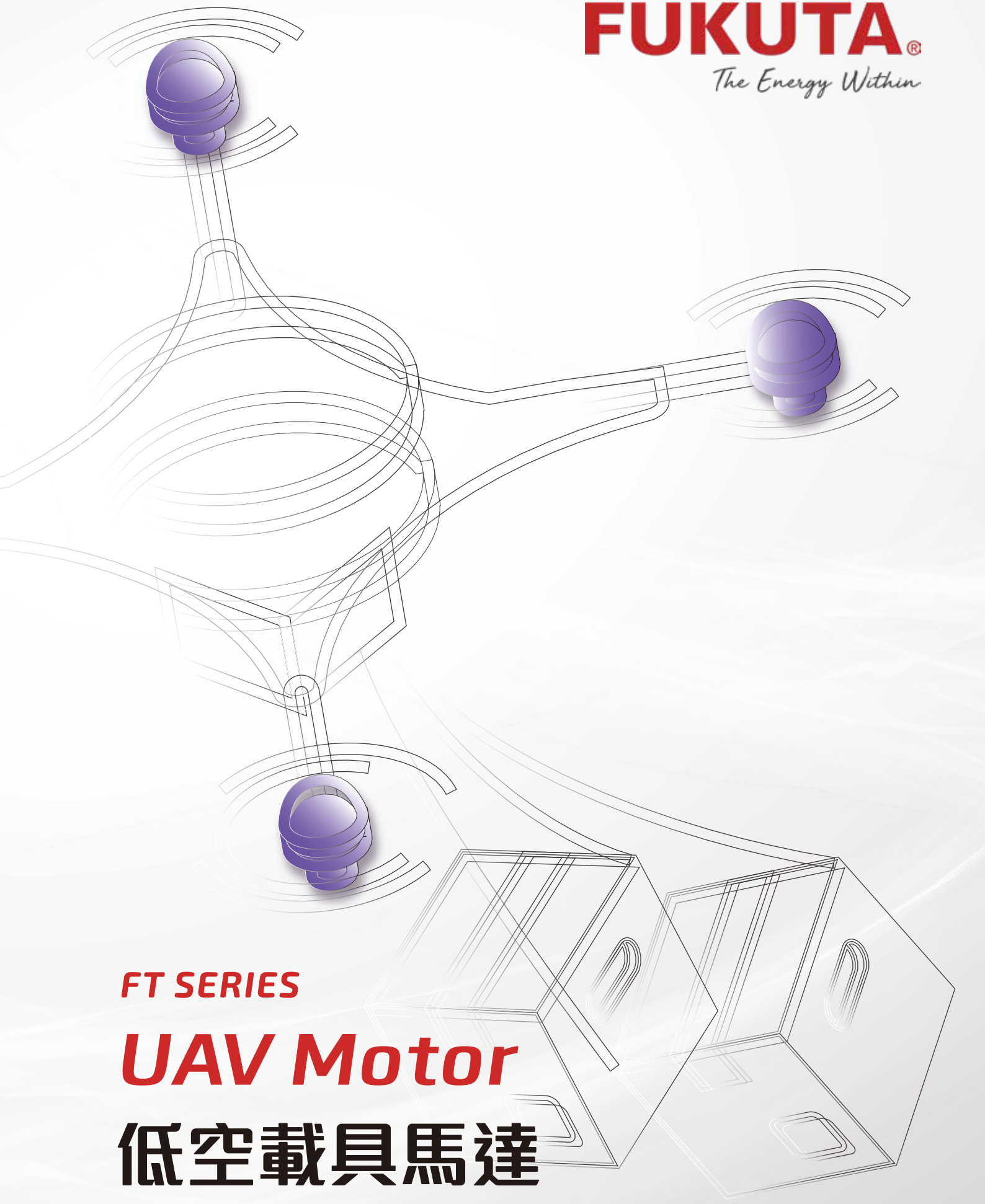
FUKUTA®

The Energy Within

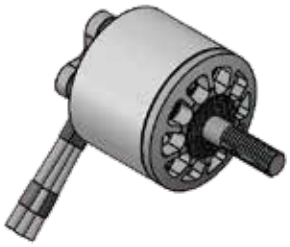


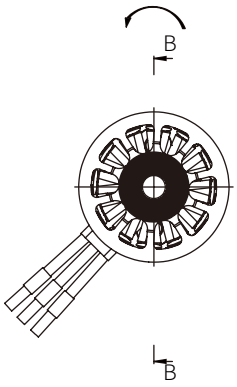
FT SERIES

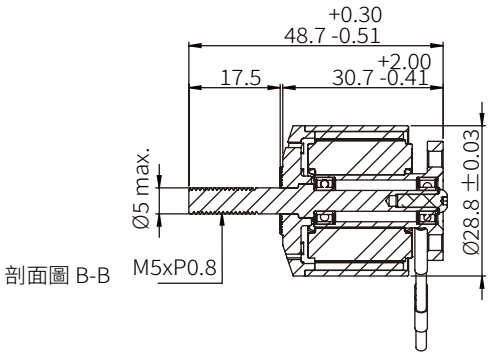
UAV Motor

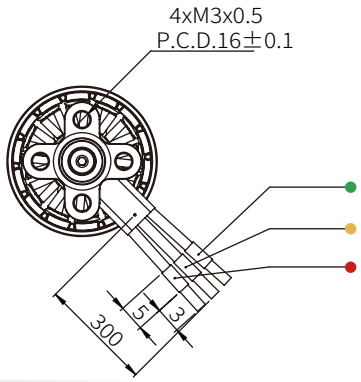
低空載具馬達

2317-KV800









拉力測試 THRUST TEST

Propeller : MR10x4.5

Throttle(%)	Duty(μs)	Vdc(V)	Current(A)	Power(w)	Speed(rpm)	Thrust(g)	System Efficiency(g/w)
30	1300	15.1	3.1	47	4863	348	7.4
40	1400	15.0	4.7	70	5635	470	6.7
50	1500	15.1	6.4	97	6357	601	6.2
60	1600	15.1	8.1	122	6938	716	5.9
70	1700	15.1	10.1	153	7541	848	5.6
80	1800	15.0	13.0	195	8233	1025	5.3
90	1900	14.9	17.0	254	9025	1232	4.8
100	2000	15.0	18.4	275	9262	1295	4.7

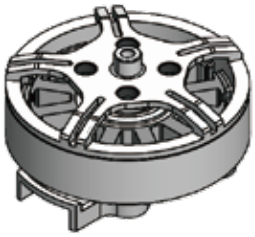
規格 SPECIFICATIONS

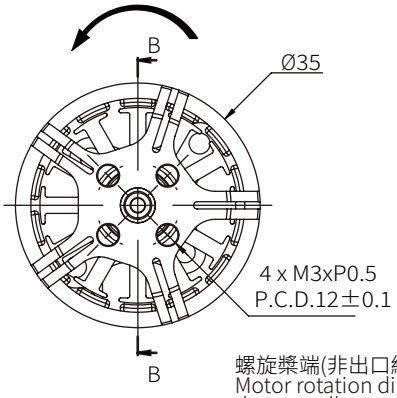
- KV值 (RPM/V) KV value : KV800
- 槽極數 (S/P) Slots/Poles Count : 12S/14P
- 電機尺寸 (mm) Dimension : Ø28.8 x 48.7
- 重量(g) Weight : 74.3±5%
- 軸徑 (mm) Diameter : Ø5
- 三相線定義 Three-phase line definition : U:●, V:●, W:●

使用條件 OPERATING CONDITIONS

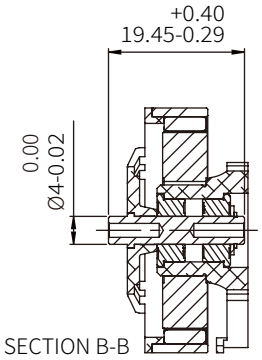
- 電壓範圍 Voltage Range : 14.8V(2~4S)
- 環境溫度範圍 Ambient Temperature Range : -20~60˚C
- 旋轉方向 Direction of Rotation : CCW
- 額定電壓(V) Rated voltage : 14.8
- 額定電流(A) Rated current : 18.4
- 峰值電流(A) Peak current : 24.8
- 電阻 (mΩ) Resistance : 107±5%
- 峰值電流下極限運轉時間 Peak current lower limit operating time : 10 s

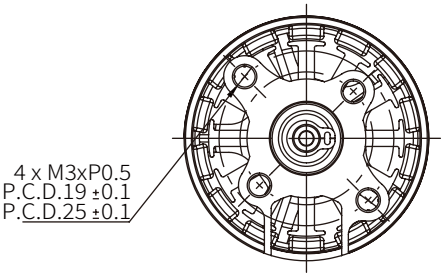
2806-KV760





螺旋槳端(非出口線端)
Motor rotation direction, viewed from the propeller end (non-output wire end)





拉力測試 THRUST TEST

Propeller : 12*5

Throttle(%)	Duty(μs)	Vdc(V)	Current(A)	Power(w)	Speed(rpm)	Thrust(g)	System Efficiency(g/w)
30	1300	15.0	1.6	24	3275	238	10.0
40	1400	15.0	2.5	38	3866	333	8.9
50	1500	14.9	4.2	62	4605	479	7.8
60	1600	14.8	6.5	97	5325	651	6.7
70	1700	14.9	9.3	138	5937	819	5.9
80	1800	14.8	12.3	182	6427	968	5.3
90	1900	14.8	15.8	233	6851	1107	4.8
100	2000	14.8	16.6	246	6904	1127	4.6

規格 SPECIFICATIONS

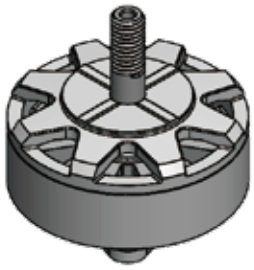
- KV值 (RPM/V) KV value : KV760
- 槽極數 (S/P) Slots/Poles Count : 12S/14P
- 電機尺寸 (mm) Dimension : Ø35 x 19.45
- 重量(g) Weight : 66±5%
- 軸徑 (mm) Diameter : Ø4
- 三相線定義 Three-phase line definition : U:● , V:● , W:●

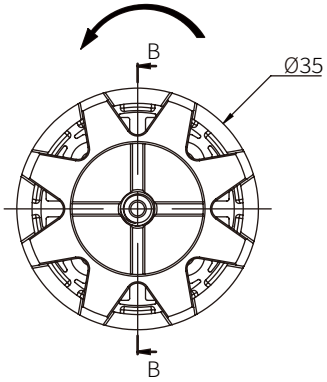
使用條件 OPERATING CONDITIONS

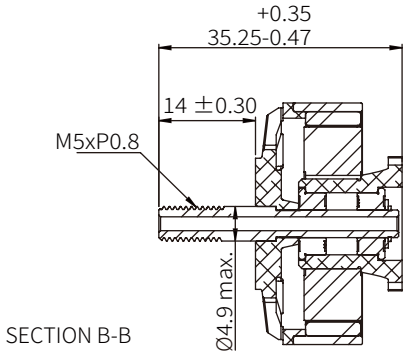
- 電壓範圍 Voltage Range : 14.8V(4~6S)
- 環境溫度範圍 Ambient Temperature Range : -20~60°C
- 旋轉方向 Direction of Rotation : CCW
- 額定電壓(V) Rated voltage : 14.8
- 額定電流(A) Rated current : 15.0
- 峰值電流(A) Peak current : 27.9
- 電阻 (mΩ) Resistance : 187.8±5%
- 峰值電流下極限運轉時間 Peak current lower limit operating time : 5 s

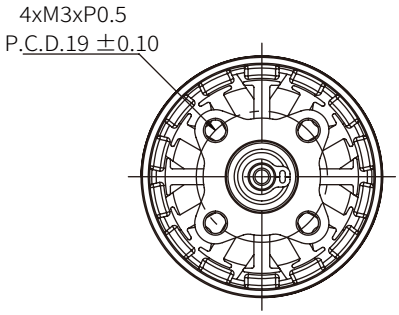
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2808-KV630









拉力測試 THRUST TEST

Propeller : 12*5

Throttle(%)	Duty(μs)	Vdc(V)	Current(A)	Power(w)	Speed(rpm)	Thrust(g)	System Efficiency(g/w)
30	1300	15.0	1.5	22	3275	226	10.3
40	1400	15.0	2.2	33	3872	340	10.2
50	1500	15.0	3.2	48	4427	453	9.5
60	1600	14.9	4.8	71	5134	617	8.7
70	1700	14.9	6.9	103	5874	818	7.9
80	1800	14.9	9.5	141	6546	1020	7.3
90	1900	14.8	12.6	186	7191	1238	6.6
100	2000	14.8	13.6	202	7369	1303	6.5

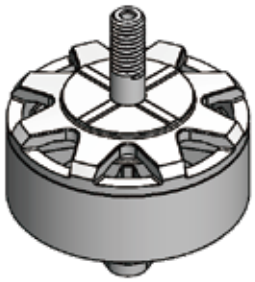
規格 SPECIFICATIONS

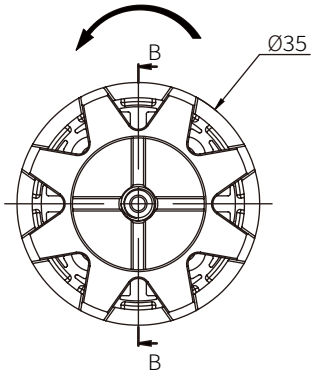
- KV值 (RPM/V) KV value : KV630
- 槽極數 (S/P) Slots/Poles Count : 12S/14P
- 電機尺寸 (mm) Dimension : Ø35 x 35.25
- 重量(g) Weight : 80.8±5%
- 軸徑 (mm) Diameter : Ø4.9
- 三相線定義 Three-phase line definition : U:●, V:●, W:●

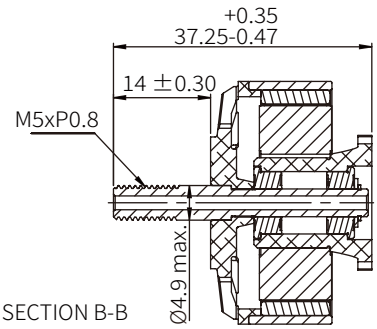
使用條件 OPERATING CONDITIONS

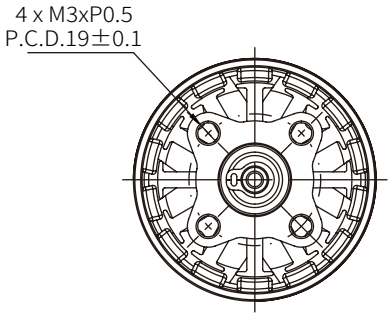
- 電壓範圍 Voltage Range : 14.8V(4~6S)
- 環境溫度範圍 Ambient Temperature Range : -20~60˚C
- 旋轉方向 Direction of Rotation : CCW
- 額定電壓(V) Rated voltage : 14.8
- 額定電流(A) Rated current : 13.6
- 峰值電流(A) Peak current : 40.4
- 電阻 (mΩ) Resistance : 150.3±5%
- 峰值電流下極限運轉時間 Peak current lower limit operating time : 5 s

2810-KV710









拉力測試 THRUST TEST

Propeller : 12*5

Throttle(%)	Duty(μs)	Vdc(V)	Current(A)	Power(w)	Speed(rpm)	Thrust(g)	System Efficiency(g/w)
30	1300	15.0	2.3	35	3773	316	9.0
40	1400	14.8	3.5	52	4432	444	8.5
50	1500	14.8	4.8	71	5019	580	8.1
60	1600	14.8	6.4	94	5574	719	7.6
70	1700	14.8	9.0	133	6316	936	7.0
80	1800	14.8	11.9	176	6990	1150	6.5
90	1900	14.7	15.7	230	7647	1401	6.1
100	2000	14.7	17.1	252	7913	1491	5.9

規格 SPECIFICATIONS

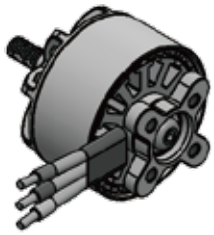
- KV值 (RPM/V) KV value : KV710
- 槽極數 (S/P) Slots/Poles Count : 12S/14P
- 電機尺寸 (mm) Dimension : Ø35 x 37.25
- 重量(g) Weight : 88±5%
- 軸徑 (mm) Diameter : Ø4.9
- 三相線定義 Three-phase line definition : U:●, V:●, W:●

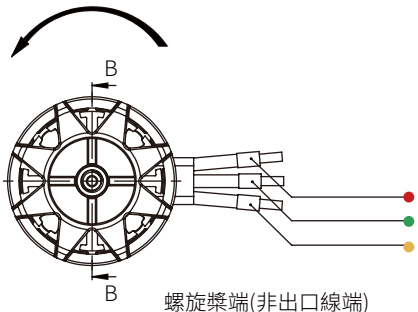
使用條件 OPERATING CONDITIONS

- 電壓範圍 Voltage Range : 14.8V(4~6S)
- 環境溫度範圍 Ambient Temperature Range : -20~60°C
- 旋轉方向 Direction of Rotation : CCW
- 額定電壓(V) Rated voltage : 14.8
- 額定電流(A) Rated current : 17.1
- 峰值電流(A) Peak current : 38.5
- 電阻 (mΩ) Resistance : 122.2±5%
- 峰值電流下極限運轉時間 Peak current lower limit operating time : 5 s

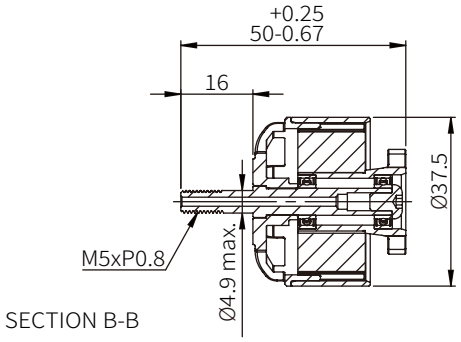
由於對產品持續研發，故產品規格如有異動，本公司將不另行通知。 All data is sebject to change without prior notification.

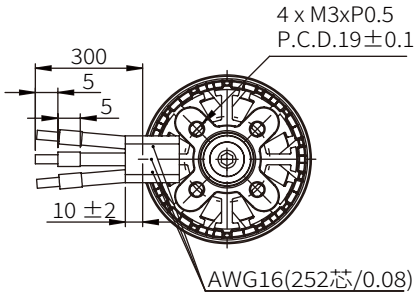
3115-KV900





螺旋槳端(非出口線端)
Motor rotation direction, viewed from the propeller end (non-output wire end)





耐電流：35A ；阻抗：24.4ohm/km

拉力測試 THRUST TEST

Propeller : 9x5x3

Throttle(%)	Duty(μs)	Vdc(V)	Current(A)	Power(w)	Speed(rpm)	Thrust(g)	System Efficiency(g/w)
30	1300	25.1	3.2	81	5698	454	5.6
40	1400	25.2	6.4	162	7372	799	4.9
50	1500	25.2	10.8	271	8771	1179	4.4
60	1600	25.2	16.5	415	10023	1604	3.9
70	1700	25.1	23.3	585	11221	2017	3.5
80	1800	25.1	33.0	830	12467	2532	3.1
90	1900	25.1	43.7	1096	13626	3059	2.8
100	2000	25.0	55.6	1391	14574	3562	2.6

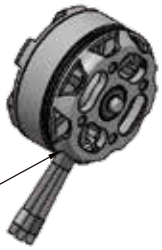
規格 SPECIFICATIONS

- KV值 (RPM/V) KV value : KV900
- 槽極數 (S/P) Slots/Poles Count : 12S/14P
- 電機尺寸 (mm) Dimension : Ø37.5 x 50
- 重量(g) Weight : 135±5%
- 軸徑 (mm) Diameter : Ø4.9
- 三相線定義 Three-phase line definition : U:●, V:●, W:●

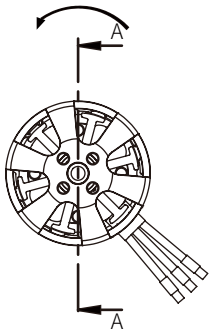
使用條件 OPERATING CONDITIONS

- 電壓範圍 Voltage Range : 25.2V(4~6S)
- 環境溫度範圍 Ambient Temperature Range : -20~60˚C
- 旋轉方向 Direction of Rotation : CCW
- 額定電壓(V) Rated voltage : 25.2
- 額定電流(A) Rated current : 25.0
- 峰值電流(A) Peak current : 55.6
- 電阻 (mΩ) Resistance : 36.34±5%
- 峰值電流下極限運轉時間 Peak current lower limit operating time : 10 s

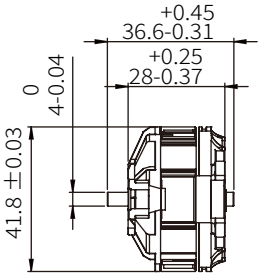
3510-KV630



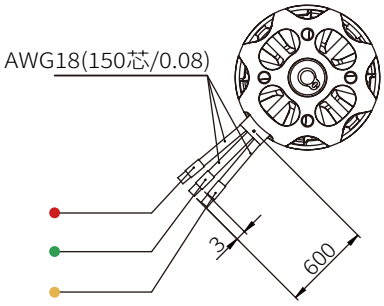
用膠固定出口線，不溢膠
Fix the output wires with adhesive, avoid glue overflow



螺旋槳端(非出口線端)
Motor rotation direction, viewed from the propeller end (non-output wire end)



剖面圖 A-A



拉力測試 THRUST TEST

Propeller : 14*4.8L

Throttle(%)	Duty(μs)	Vdc(V)	Current(A)	Power(w)	Speed(rpm)	Thrust(g)	System Efficiency(g/w)
30	1300	15.1	1.0	16	2527	223	14.4
40	1400	15.0	2.2	33	3264	396	12.1
50	1500	14.9	3.8	57	3905	599	10.5
60	1600	14.9	6.0	90	4530	830	9.2
70	1700	15.0	8.8	132	5135	1086	8.2
80	1800	14.9	12.3	182	5688	1352	7.4
90	1900	14.9	16.4	243	6232	1635	6.7
100	2000	14.8	20.5	304	6673	1881	6.2

規格 SPECIFICATIONS

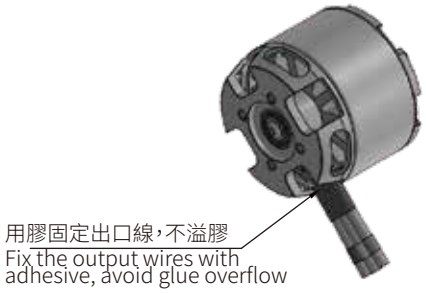
- KV值 (RPM/V) KV value : KV630
- 槽極數 (S/P) Slots/Poles Count : 12S/14P
- 電機尺寸 (mm) Dimension : Ø41.8 x 28
- 重量(g) Weight : 111±5%
- 軸徑 (mm) Diameter : Ø4
- 三相線定義 Three-phase line definition : U:●, V:●, W:●

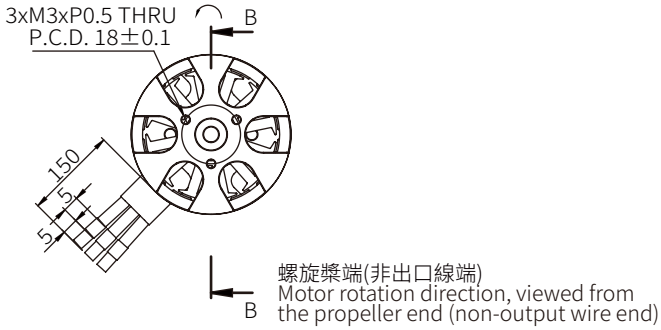
使用條件 OPERATING CONDITIONS

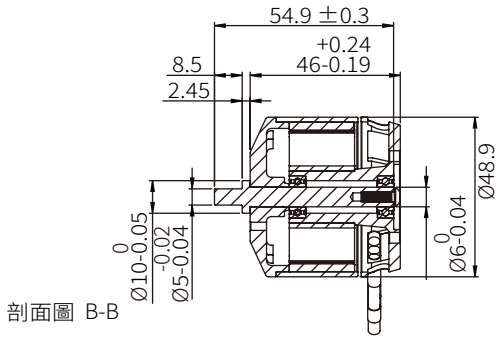
- 電壓範圍 Voltage Range : 15V(3~4S)
- 環境溫度範圍 Ambient Temperature Range : -20~60°C
- 旋轉方向 Direction of Rotation : CCW
- 額定電壓(V) Rated voltage : 15
- 額定電流(A) Rated current : 20.3
- 峰值電流(A) Peak current : 37.7
- 電阻 (mΩ) Resistance : 94.6±5%
- 峰值電流下極限運轉時間 Peak current lower limit operating time : 40 s

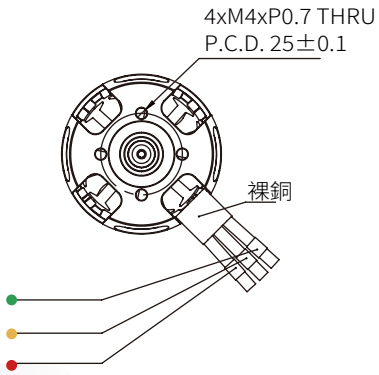
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4020-KV540









拉力測試 THRUST TEST

Propeller : 1555

Throttle(%)	Duty(μs)	Vdc(V)	Current(A)	Power(w)	Speed(rpm)	Thrust(g)	System Efficiency(g/w)
30	1300	24.0	5.0	119	3718	903	7.6
40	1400	24.0	10.9	262	4871	1617	6.2
50	1500	24.0	20.1	482	5902	2451	5.1
60	1600	24.0	31.8	763	6787	3303	4.3
70	1700	24.1	46.8	1126	7596	4218	3.7
80	1800	24.0	65.2	1563	8304	5112	3.3
90	1900	24.0	91.6	2194	9087	6184	2.8
100	2000	23.7	122.4	2904	9717	7097	2.4

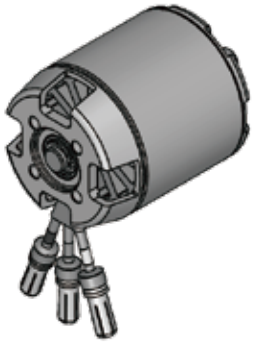
規格 SPECIFICATIONS

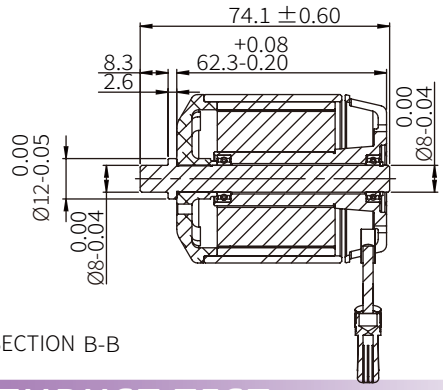
- KV值 (RPM/V) KV value : KV540
- 槽極數 (S/P) Slots/Poles Count : 12S/14P
- 電機尺寸 (mm) Dimension : Ø48.9 x 57.85
- 重量(g) Weight : 272±5%
- 軸徑 (mm) Diameter : Ø6
- 三相線定義 Three-phase line definition : U:●, V:●, W:●

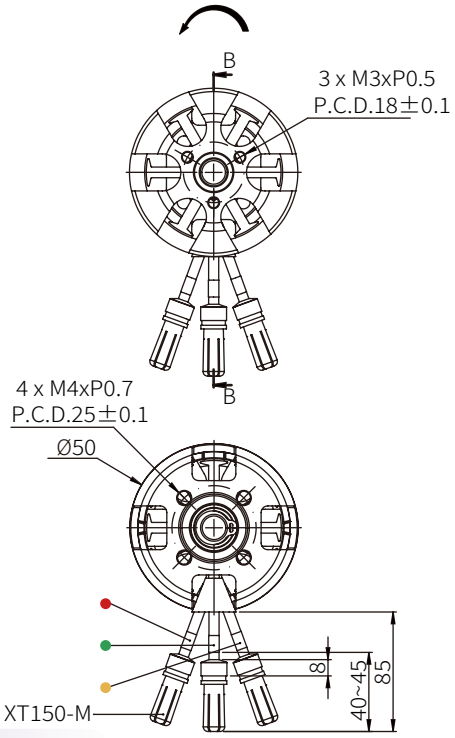
使用條件 OPERATING CONDITIONS

- 電壓範圍 Voltage Range : 25.2V(4~6S)
- 環境溫度範圍 Ambient Temperature Range : -20~60˚C
- 旋轉方向 Direction of Rotation : CCW
- 額定電壓(V) Rated voltage : 25.2
- 額定電流(A) Rated current : 40.0
- 峰值電流(A) Peak current : 130
- 電阻 (mΩ) Resistance : 15.6±5%
- 峰值電流下極限運轉時間 Peak current lower limit operating time : 10 s

4035-KV250







拉力測試 THRUST TEST

Propeller : 16x10x3

Throttle(%)	Duty(μs)	Vdc(V)	Current(A)	Power(w)	Speed(rpm)	Thrust(g)	System Efficiency(g/w)
30	1300	48.0	3.5	166	3289	1354	8.2
40	1400	48.0	7.4	354	4359	2412	6.8
50	1500	48.0	13.3	637	5357	3677	5.8
60	1600	48.0	20.9	1002	6257	4978	5.0
70	1700	47.9	29.8	1427	7018	6302	4.4
80	1800	47.9	41.1	1967	7770	7765	4.0
90	1900	47.8	56.9	2718	8572	9546	3.5
100	2000	47.8	76.3	3642	9309	11345	3.1

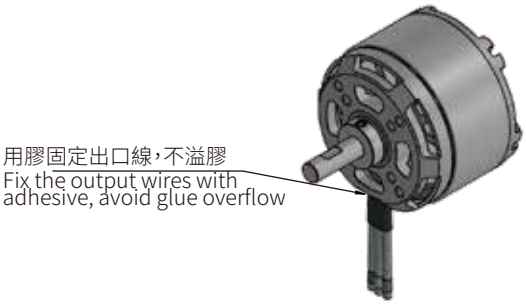
規格 SPECIFICATIONS

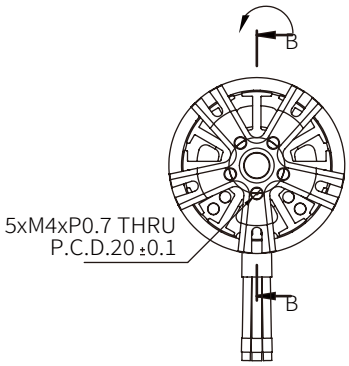
- KV值 (RPM/V) KV value : KV250
- 槽極數 (S/P) Slots/Poles Count : 12S/14P
- 電機尺寸 (mm) Dimension : Ø50 x 74.1
- 重量(g) Weight : 470±5%
- 軸徑 (mm) Diameter : Ø8
- 三相線定義 Three-phase line definition : U:●, V:●, W:●

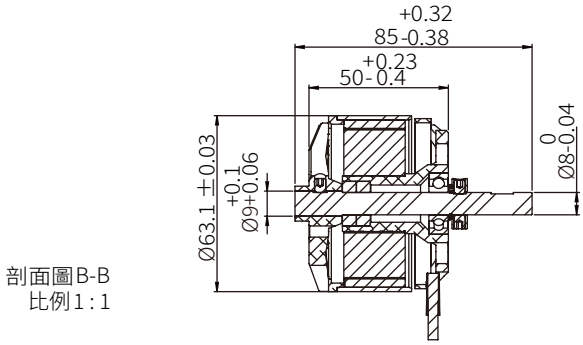
使用條件 OPERATING CONDITIONS

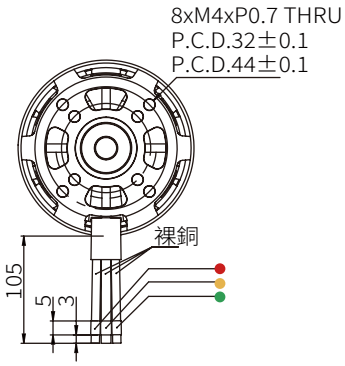
- 電壓範圍 Voltage Range : 48V(12~14S)
- 環境溫度範圍 Ambient Temperature Range : -20~60°C
- 旋轉方向 Direction of Rotation : CCW
- 額定電壓(V) Rated voltage : 48
- 額定電流(A) Rated current : 31.5
- 峰值電流(A) Peak current : 77.5
- 電阻 (mΩ) Resistance : 37.5±5%
- 峰值電流下極限運轉時間 Peak current lower limit operating time : 15 s

5322-KV240









拉力測試 THRUST TEST

Propeller : 18x10E

Throttle(%)	Duty(μs)	Vdc(V)	Current(A)	Power(w)	Speed(rpm)	Thrust(g)	System Efficiency(g/w)
30	1300	44.4	2.8	125	2989	1209	9.7
40	1400	44.4	6.5	287	4011	2230	7.8
50	1500	44.4	11.9	529	4916	3399	6.4
60	1600	44.4	21.6	959	5864	4809	5.0
70	1700	44.3	34.6	1533	6605	5947	3.9
80	1800	44.3	50.9	2254	7372	7299	3.2
90	1900	44.2	73.4	3240	8057	8685	2.7
100	2000	44.2	83.3	3681	8277	9155	2.5

規格 SPECIFICATIONS

- KV值 (RPM/V) KV value : KV240
- 槽極數 (S/P) Slots/Poles Count : 12S/14P
- 電機尺寸 (mm) Dimension : Ø63.1 x 85
- 重量(g) Weight : 520±5%
- 軸徑 (mm) Diameter : Ø8
- 三相線定義 Three-phase line definition : U:●, V:●, W:●

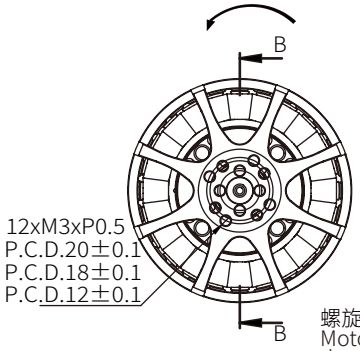
使用條件 OPERATING CONDITIONS

- 電壓範圍 Voltage Range : 44.4V(10~12S)
- 環境溫度範圍 Ambient Temperature Range : -20~60˚C
- 旋轉方向 Direction of Rotation : CCW
- 額定電壓(V) Rated voltage : 44.4
- 額定電流(A) Rated current : 36.9
- 峰值電流(A) Peak current : 87.7
- 電阻 (mΩ) Resistance : 30.45±5%
- 峰值電流下極限運轉時間 Peak current lower limit operating time : 10 s

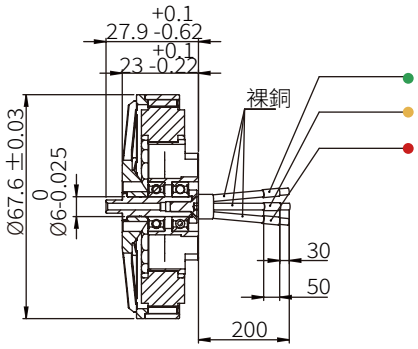
6007-KV160



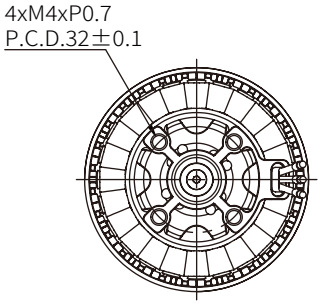
用膠固定出口線，不溢膠
Fix the output wires with adhesive, avoid glue overflow



螺旋槳端(非出口線端)
Motor rotation direction, viewed from the propeller end (non-output wire end)



剖面圖 B-B



拉力測試 THRUST TEST

Propeller : P22*6.6

Throttle(%)	Duty(μs)	Vdc(V)	Current(A)	Power(w)	Speed(rpm)	Thrust(g)	System Efficiency(g/w)
30	1300	48.0	1.9	91	2340	1095	12
40	1400	48.0	3.4	162	2867	1719	10.6
50	1500	48.0	5.8	276	3438	2539	9.2
60	1600	48.0	8.4	404	3898	3317	8.2
70	1700	48.1	11.5	551	4310	4115	7.5
80	1800	48.0	15.2	732	4717	4997	6.8
90	1900	48.0	19.9	954	5121	5967	6.3
100	2000	48.0	26.0	1246	5549	7101	5.7

規格 SPECIFICATIONS

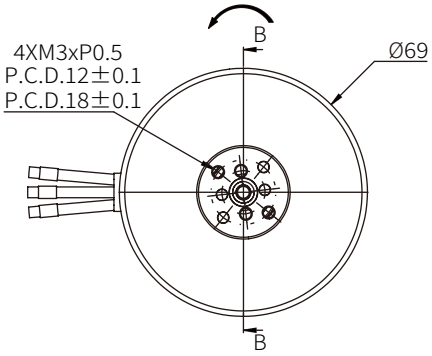
- KV值 (RPM/V) KV value : KV160
- 槽極數 (S/P) Slots/Poles Count : 24S/28P
- 電機尺寸 (mm) Dimension : Ø67.6 x 27.9
- 重量(g) Weight : 186.6±5%
- 軸徑 (mm) Diameter : Ø6
- 三相線定義 Three-phase line definition : U:●, V:●, W:●

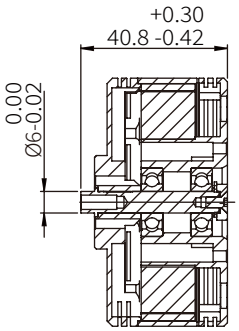
使用條件 OPERATING CONDITIONS

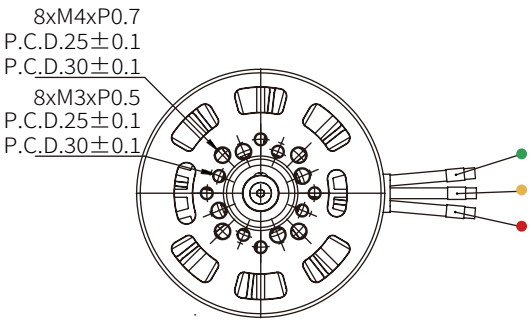
- 電壓範圍 Voltage Range : 48V(6~12S)
- 環境溫度範圍 Ambient Temperature Range : -20~60˚C
- 旋轉方向 Direction of Rotation : CCW
- 額定電壓(V) Rated voltage : 48
- 額定電流(A) Rated current : 22.9
- 峰值電流(A) Peak current : 47.5
- 電阻 (mΩ) Resistance : 148.54±5%
- 峰值電流下極限運轉時間 Peak current lower limit operating time : 30 s

60-KV170









拉力測試 THRUST TEST

Propeller : P20x6.6

Throttle(%)	Duty(μs)	Vdc(V)	Current(A)	Power(w)	Speed(rpm)	Thrust(g)	System Efficiency(g/w)
30	1300	47.9	2.2	105	2700	1145	10.9
40	1400	47.9	3.8	184	3364	1792	9.7
50	1500	47.9	5.9	283	3941	2488	8.8
60	1600	47.9	8.5	406	4482	3244	8.0
70	1700	48.0	11.8	569	5033	4136	7.3
80	1800	48.0	16.0	766	5561	5094	6.7
90	1900	47.9	21.5	1029	6118	6244	6.1
100	2000	47.9	28.8	1379	6715	7630	5.5

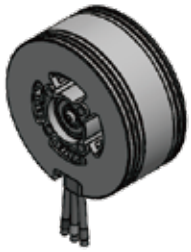
規格 SPECIFICATIONS

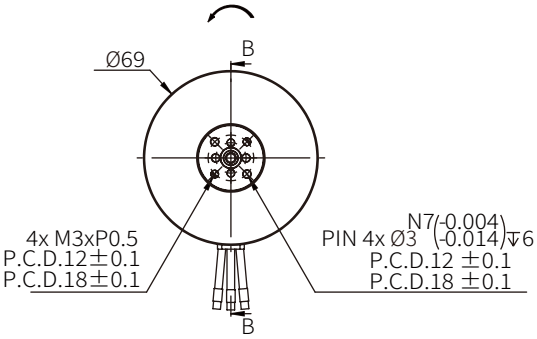
- KV值 (RPM/V) KV value : KV170
- 槽極數 (S/P) Slots/Poles Count : 24S/28P
- 電機尺寸 (mm) Dimension : Ø69 x 40.8
- 重量(g) Weight : 392±5%
- 軸徑 (mm) Diameter : Ø6
- 三相線定義 Three-phase line definition : U:●, V:●, W:●

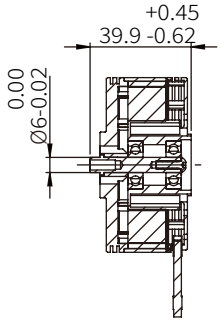
使用條件 OPERATING CONDITIONS

- 電壓範圍 Voltage Range : 48V(6~14S)
- 環境溫度範圍 Ambient Temperature Range : -20~60˚C
- 旋轉方向 Direction of Rotation : CCW
- 額定電壓(V) Rated voltage : 48
- 額定電流(A) Rated current : 28.8
- 峰值電流(A) Peak current : 39.7
- 電阻 (mΩ) Resistance : 79.2±5%
- 峰值電流下極限運轉時間 Peak current lower limit operating time : 10 s

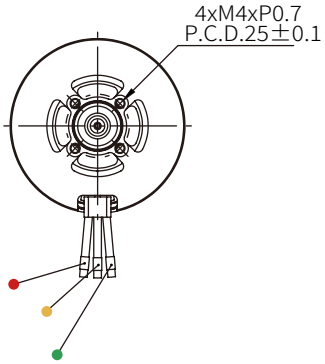
605-KV210







SECTION A-A



拉力測試 THRUST TEST

Propeller : V22x7.4

Throttle(%)	Duty(μs)	Vdc(V)	Current(A)	Power(w)	Speed(rpm)	Thrust(g)	System Efficiency(g/w)
30	1300	48.1	3.1	149	2571	1615	10.8
40	1400	48.1	6.3	302	3337	2743	9.1
50	1500	48.1	12.0	576	4197	4377	7.6
60	1600	48.1	19.4	931	4924	6112	6.6
70	1700	48.0	28.5	1371	5582	7942	5.8
80	1800	48.0	40.4	1939	6220	9955	5.1
90	1900	47.9	55.4	2655	6827	12239	4.6
100	2000	47.9	75.7	3625	7453	14780	4.1

規格 SPECIFICATIONS

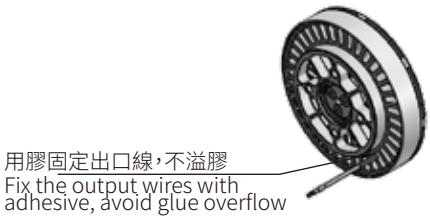
- KV值 (RPM/V) KV value : KV210
- 槽極數 (S/P) Slots/Poles Count : 24S/28P
- 電機尺寸 (mm) Dimension : Ø69 x 39.9
- 重量(g) Weight : 392±5%
- 軸徑 (mm) Diameter : Ø6
- 三相線定義 Three-phase line definition : U:●, V:●, W:●

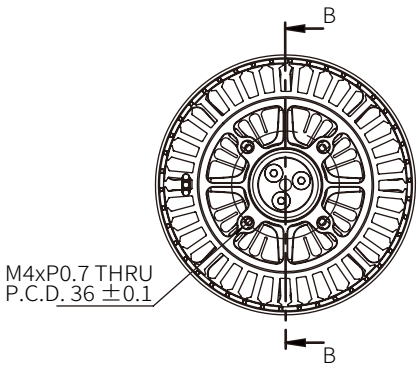
使用條件 OPERATING CONDITIONS

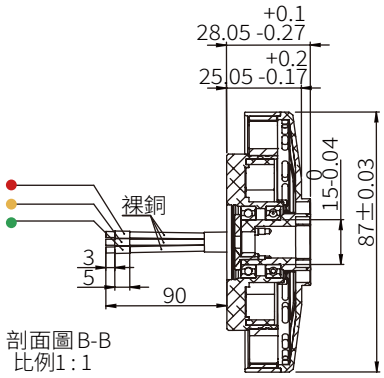
- 電壓範圍 Voltage Range : 48V(10~14S)
- 環境溫度範圍 Ambient Temperature Range : -20~60°C
- 旋轉方向 Direction of Rotation : CCW
- 額定電壓(V) Rated voltage : 48
- 額定電流(A) Rated current : 32
- 峰值電流(A) Peak current : 76
- 電阻 (mΩ) Resistance : 50.19±5%
- 峰值電流下極限運轉時間 Peak current lower limit operating time : 8 s

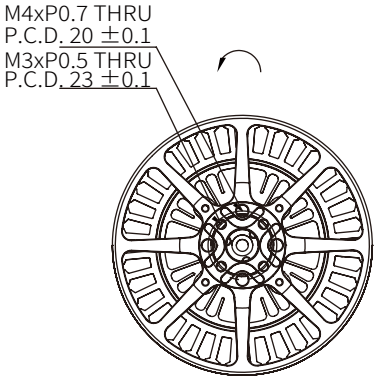
由於對產品持續研發，故產品規格如有異動，本公司將不另行通知。 All data is sebject to change without prior notification.

8108-KV95









拉力測試 THRUST TEST

Propeller : 29x9.5R

Throttle(%)	Duty(μs)	Vdc(V)	Current(A)	Power(w)	Speed(rpm)	Thrust(g)	System Efficiency(g/w)
30	1300	48.1	1.0	46	1085	782	17.1
40	1400	48.0	2.4	114	1544	1644	14.4
50	1500	48.0	4.9	233	2000	2796	12.0
60	1600	48.0	8.8	421	2453	4226	10.1
70	1700	48.0	14.2	683	2888	5882	8.6
80	1800	48.0	21.2	1016	3295	7668	7.5
90	1900	47.9	29.5	1415	3658	9528	6.7
100	2000	47.9	31.1	1489	3716	9827	6.6

規格 SPECIFICATIONS

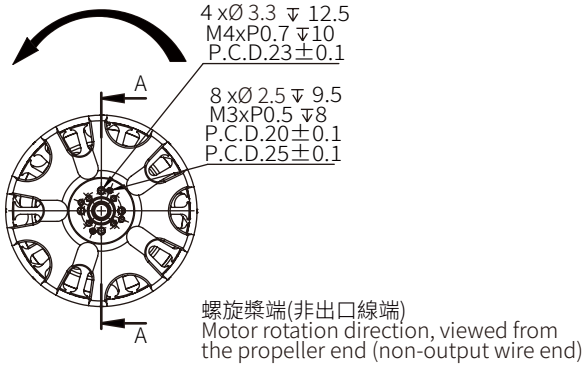
- KV值 (RPM/V) KV value : KV95
- 槽極數 (S/P) Slots/Poles Count : 36S/42P
- 電機尺寸 (mm) Dimension : Ø87 x 28.05
- 重量(g) Weight : 296±5%
- 軸徑 (mm) Diameter : Ø15
- 三相線定義 Three-phase line definition : U:●, V:●, W:●

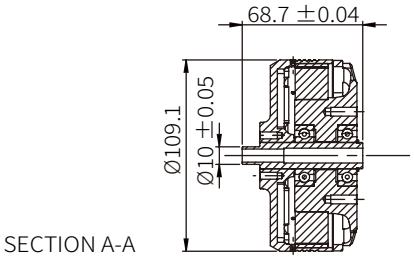
使用條件 OPERATING CONDITIONS

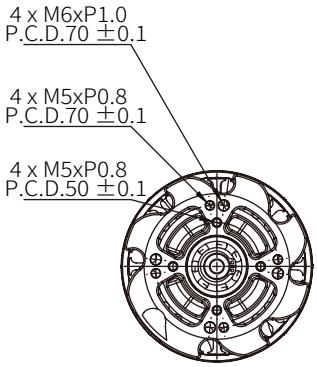
- 電壓範圍 Voltage Range : 48V(10~14S)
- 環境溫度範圍 Ambient Temperature Range : -20~60˚C
- 旋轉方向 Direction of Rotation : CCW
- 額定電壓(V) Rated voltage : 48
- 額定電流(A) Rated current : 30
- 峰值電流(A) Peak current : 40.5
- 電阻 (mΩ) Resistance : 96.19±5%
- 峰值電流下極限運轉時間 Peak current lower limit operating time : 8 s

105-KV105









拉力測試 THRUST TEST

Propeller : 27.5x8.9

Throttle(%)	Duty(μs)	Vdc(V)	Current(A)	Power(w)	Speed(rpm)	Thrust(g)	System Efficiency(g/w)
30	1300	50.4	2.8	141	1690	1539	10.9
40	1400	50.4	5.4	274	2212	2714	9.9
50	1500	50.4	9.4	474	2718	4202	8.9
60	1600	50.4	14.8	746	3199	5926	7.9
70	1700	50.4	21.5	1082	3636	7798	7.2
80	1800	50.4	29.6	1491	4059	9773	6.6
90	1900	50.3	40.9	2060	4506	12315	6.0
100	2000	50.3	55.1	2771	4967	15145	5.5

規格 SPECIFICATIONS

- KV值 (RPM/V) KV value : KV105
- 槽極數 (S/P) Slots/Poles Count : 24S/28P
- 電機尺寸 (mm) Dimension : Ø109.1 x 68.7
- 重量(g) Weight : 1212±5%
- 軸徑 (mm) Diameter : Ø10
- 三相線定義 Three-phase line definition : U:●, V:●, W:●

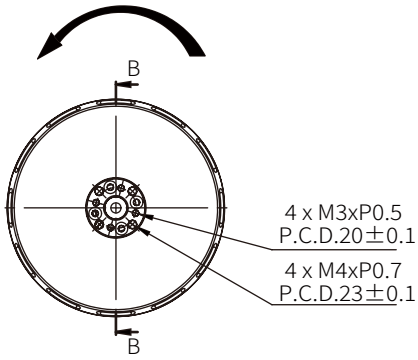
使用條件 OPERATING CONDITIONS

- 電壓範圍 Voltage Range : 50.4V(6~14S)
- 環境溫度範圍 Ambient Temperature Range : -20~60°C
- 旋轉方向 Direction of Rotation : CCW
- 額定電壓(V) Rated voltage : 50.4
- 額定電流(A) Rated current : 55
- 峰值電流(A) Peak current : 130
- 電阻 (mΩ) Resistance : 15.43±5%
- 峰值電流下極限運轉時間 Peak current lower limit operating time : 10 s

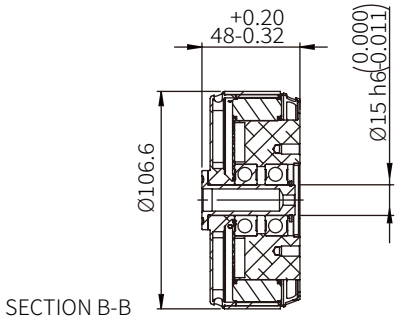
由於對產品持續研發，故產品規格如有異動，本公司將不另行通知。 All data is sebject to change without prior notification.

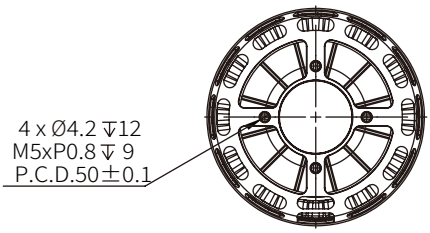
10-KV160





螺旋槳端(非出口線端)
Motor rotation direction, viewed from the propeller end (non-output wire end)





拉力測試 THRUST TEST

Propeller : G30*10.5

Throttle(%)	Duty(μs)	Vdc(V)	Current(A)	Power(w)	Speed(rpm)	Thrust(g)	System Efficiency(g/w)
30	1300	48.2	8.4	403	2048	3630	9
40	1400	48.1	16.6	797	2666	6200	7.8
50	1500	47.9	30.4	1460	3312	9693	6.6
60	1600	47.7	47.7	2274	3845	13264	5.8
70	1700	47.5	67.4	3200	4290	16763	5.2
80	1800	47.2	93.3	4402	4738	20758	4.7
90	1900	46.7	126.8	5926	5190	25222	4.3
100	2000	46.2	170.2	7859	5629	30191	3.8

規格 SPECIFICATIONS

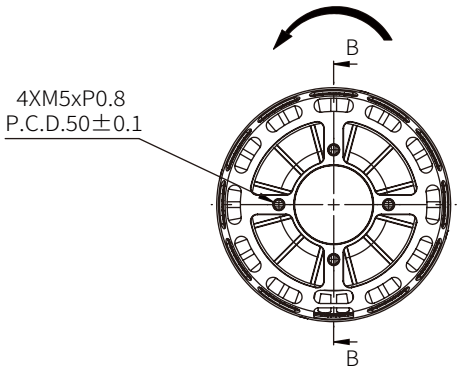
- KV值 (RPM/V) KV value : KV160
- 槽極數 (S/P) Slots/Poles Count : 36S/42P
- 電機尺寸 (mm) Dimension : Ø106.6 x 48
- 重量(g) Weight : 864±5%
- 軸徑 (mm) Diameter : Ø11
- 三相線定義 Three-phase line definition : U:●, V:●, W:●

使用條件 OPERATING CONDITIONS

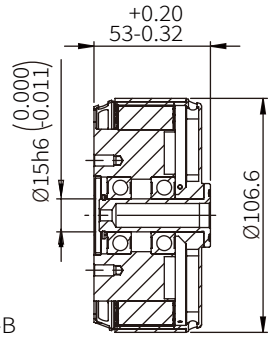
- 電壓範圍 Voltage Range : 48V(10~12S)
- 環境溫度範圍 Ambient Temperature Range : -20~60˚C
- 旋轉方向 Direction of Rotation : CCW
- 額定電壓(V) Rated voltage : 48
- 額定電流(A) Rated current : 127
- 峰值電流(A) Peak current : 170
- 電阻 (mΩ) Resistance : 10.1±5%
- 峰值電流下極限運轉時間 Peak current lower limit operating time : 10 s

10L-KV170

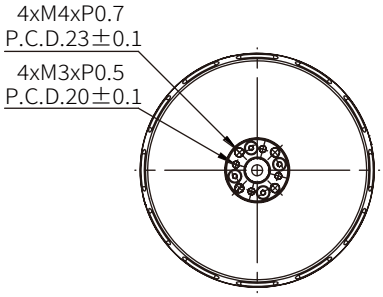




螺旋槳端(非出口線端)
Motor rotation direction, viewed from the propeller end (non-output wire end)



SECTION B-B



拉力測試 THRUST TEST

Propeller : 30x10.5

Throttle(%)	Duty(μs)	Vdc(V)	Current(A)	Power(w)	Speed(rpm)	Thrust(g)	System Efficiency(g/w)
30	1300	48.2	11.6	560	2242	4311	7.7
40	1400	48.1	24.3	1171	2990	7919	6.8
50	1500	47.9	41.2	1975	3602	11691	5.9
60	1600	47.6	62.5	2979	4134	15705	5.3
70	1700	47.3	91.5	4332	4671	20383	4.7
80	1800	46.9	125.2	5876	5131	25038	4.3
90	1900	46.4	170.1	7886	5597	30340	3.8

規格 SPECIFICATIONS

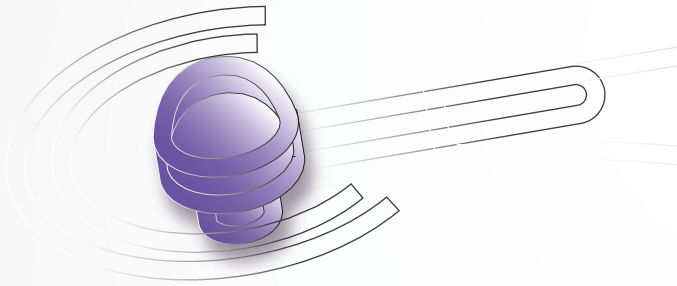
- KV值 (RPM/V) KV value : KV170
- 槽極數 (S/P) Slots/Poles Count : 36S/42P
- 電機尺寸 (mm) Dimension : Ø106.6 x 53
- 重量(g) Weight : 981±5%
- 軸徑 (mm) Diameter : Ø15
- 三相線定義 Three-phase line definition : U:●, V:●, W:●

使用條件 OPERATING CONDITIONS

- 電壓範圍 Voltage Range : 48V(12~14S)
- 環境溫度範圍 Ambient Temperature Range : -20~60°C
- 旋轉方向 Direction of Rotation : CCW
- 額定電壓(V) Rated voltage : 48
- 額定電流(A) Rated current : 153
- 峰值電流(A) Peak current : 196
- 電阻 (mΩ) Resistance : 7.4±5%
- 峰值電流下極限運轉時間 Peak current lower limit operating time : 10 s

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Next-Gen Performance for Future Drones



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富田型錄 Catalogue

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