

BJA1(5008)-Drone Motor

Specifications



Technical Parameters

Max Thrust	3.5 Kgf
Recommended Battery	4-6S
Recommended Take off Weight	1-1.2 Kg
Total Weight	128 g
Lead Wire Length	100 mm

ESC

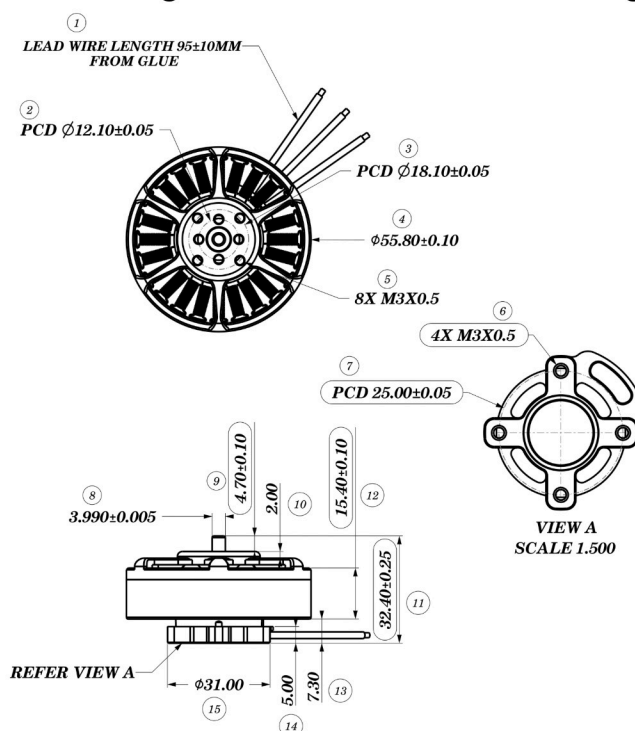
Reflex Drive D Series
(40A 2S - 6S)

Propeller

Diameter X Thread Pitch	R1760
Total Weight	40 g

Motor

Stator Size	Ø50 X 08 mm
KV Rating	340 KV
Motor Size	Ø55.8 X 32.4 mm
Max Power	760 W
Peak Current	35 A



Load Performance Parameters

Performance Test											
Model	ESC	Propeller	Power Source	Voltage (V)	Throttle % (800-2000)	Servo	Power (W) O/L	Current (A) O/L	RPM O/L	Thrust (g)	Efficiency (g/w)
BJA1 340KV (5008)	Reflex Drive D series (40A 2S-6S)	R1760	DC Supply (24V-DC)	24	42	1304	48	2.0	2523	630	13.1
					56	1468	96	4.0	3270	1070	11.1
					60	1514	144	6.0	3717	1370	9.5
					64	1567	192	8.0	4122	1699	8.8
					68	1612	240	10.0	4402	1927	8.0
					72	1660	288	12.0	4708	2230	7.7
					76	1711	336	14.0	4948	2442	7.3
					78	1740	384	16.0	5132	2651	6.9
					81	1775	432	18.0	5322	2839	6.6
					84	1810	480	20.0	5486	3031	6.3
					87	1845	528	22.0	5682	3255	6.2
					89	1871	576	24.0	5812	3376	5.9
					91	1896	631	26.3	5941	3550	5.6
					100	2002	665	27.7	6042	3652	5.5

The above bench test data are for reference only and tested at ambient room temperature at MSL. Actual data might vary based on environmental and field conditions.

