

BRE1(3113)-Drone Motor

Specifications



Technical Parameters

Max Thrust	2 Kgf
Recommended Battery	6S
Recommended Take off Weight	1-1.2 Kg
Total Weight	96 g
Lead Wire Length	100 mm

ESC

Hobbywing V2
(80A 3-6S)

Propeller

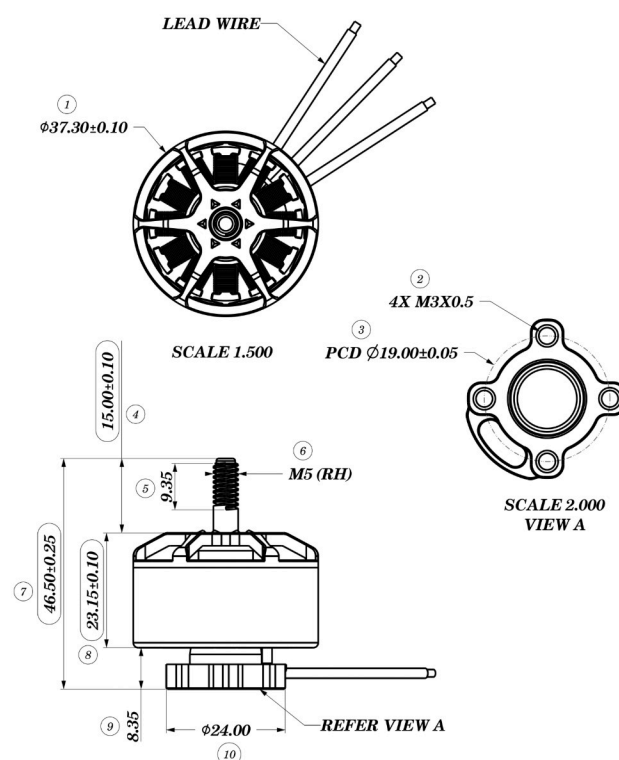
Diameter X Thread Pitch 8040

Total Weight 9 g

Motor

Stator Size	Ø31 X 13 mm
KV Rating	900 KV
Motor Size	Ø37.3 X 46.5 mm
Max Power	2100 W
Peak Current	65 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)
BRE1 900KV (3113)	Hobbywing V2 (80A 3-6S)	8040	DC Supply (24V-DC)	24	39	1272	24	1.0	4834	146	6.1
					49	1383	72	3.0	7537	402	5.6
					55	1455	120	5.0	9045	598	5.0
					59	1512	168	7.0	10131	753	4.5
					64	1562	216	9.0	11025	905	4.2
					68	1613	264	11.0	11829	1029	3.9
					71	1656	312	13.0	12536	1170	3.8
					74	1682	360	15.0	13051	1263	3.5
					76	1711	408	17.0	13562	1363	3.3
					79	1743	456	19.0	14094	1484	3.3
					81	1773	504	21.0	14496	1590	3.2
					83	1796	552	23.0	14742	1627	2.9
					85	1822	600	25.0	15128	1710	2.9
					88	1853	648	27.0	15479	1789	2.8
					90	1883	696	29.0	15915	1874	2.7
					92	1900	744	31.0	16207	1961	2.6
					94	1930	792	33.0	16433	2005	2.5

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.



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