

BFF1(6215)-Drone Motor

Specifications



Technical Parameters

Max Thrust	7.5 Kg
Recommended Battery	12S
Recommended Take off Weight	5 Kg
Total Weight	344 g
Lead Wire Length	100 mm

Motor

Stator Size	Ø62 X 15 mm
KV Rating	180 KV
Motor Size	Ø70 X 35.85 mm
Max Power	2400 W
Peak Current	50 A

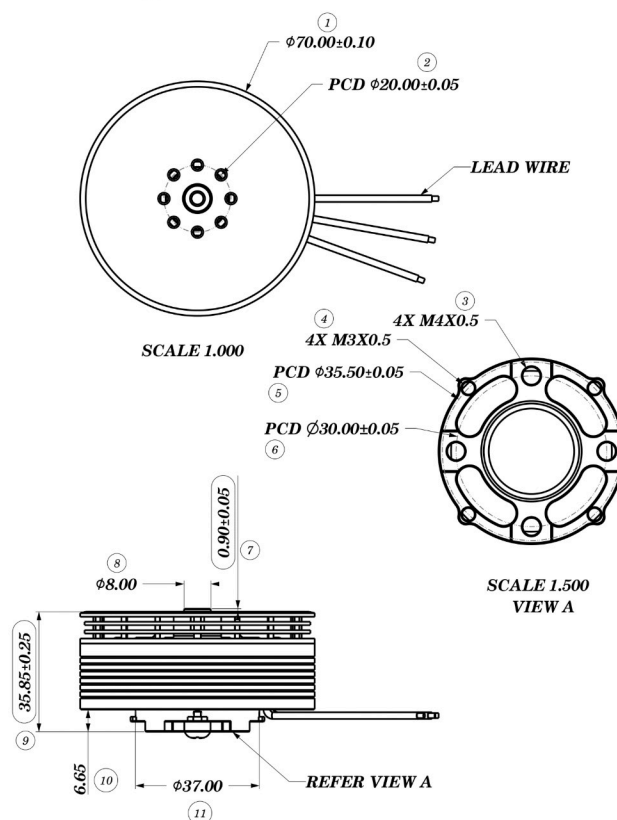
Load Performance Parameters

ESC

Hobbywing X6 ESC

Propeller

Diameter X Thread Pitch	2388
Total Weight	105 g



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)
BFF1 180KV (6215)	Hobbywing X6 ESC	2388	DC Supply (48V-DC)	48	42	1307	96	2.0	2144	1319	13.7
					48	1375	192	4.0	2725	2126	11.1
					52	1424	288	6.0	3146	2812	9.8
					55	1460	384	8.0	3456	3369	8.8
					58	1495	480	10.0	3728	3859	8.0
					60	1522	576	12.0	3947	4297	7.5
					62	1545	672	14.0	4155	4699	7.0
					65	1574	768	16.0	4369	5118	6.7
					66	1595	864	18.0	4529	5507	6.4
					68	1617	960	20.0	4707	5989	6.2
					69	1633	1056	22.0	4839	6263	5.9
					71	1653	1152	24.0	4986	6714	5.8
					72	1667	1248	26.0	5129	7101	5.7
					73	1677	1344	28.0	5202	7224	5.4
					74	1690	1440	30.0	5304	7601	5.3

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.

