

BFU1(6218)-Drone Motor

Specifications



Technical Parameters

Max Thrust	7.5Kgf
Recommended Battery	12S
Recommended Take off Weight	5 Kg
Total Weight	406 g
Lead Wire Length	110 mm

Motor

Stator Size	Ø62 X 18 mm
KV Rating	150 KV
Motor Size	Ø70 X 38.85 mm
Max Power	2400 W
Peak Current	60 A

Load Performance Parameters

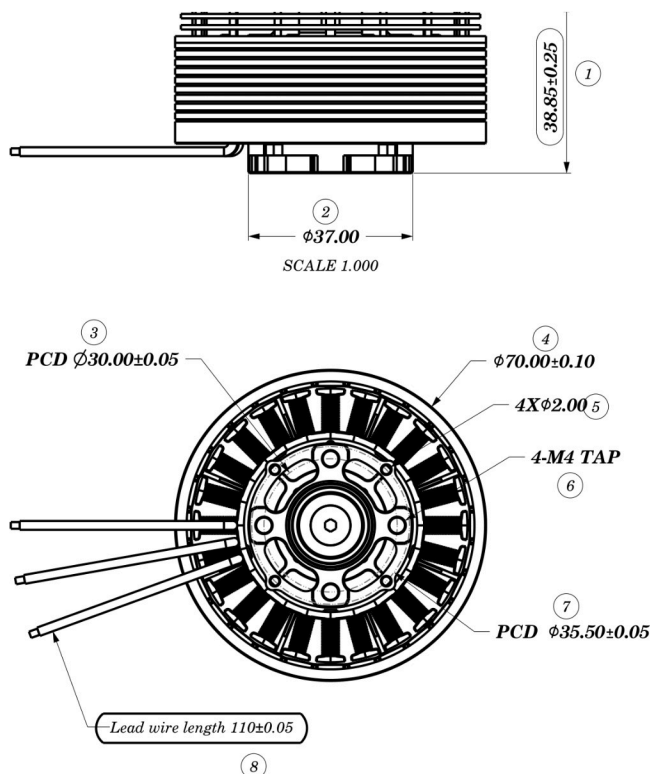
ESC

Hobbywing X6 ESC

Propeller

Diameter X Thread Pitch 2480

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)
BFU1 150KV (6218)	Hobbywing X6 ESC	2480	DC Supply (48V-DC)	48	41	1290	48	1.0	1685	546	11.4
					47	1365	96	2.0	2155	1079	11.2
					51	1410	144	3.0	2460	1489	10.3
					54	1445	192	4.0	2710	1835	9.6
					57	1483	240	5.0	2999	2228	9.3
					60	1515	288	6.0	3206	2609	9.1
					61	1535	336	7.0	3350	2899	8.6
					63	1552	384	8.0	3519	3206	8.3
					65	1574	432	9.0	3627	3431	7.9
					66	1592	480	10.0	3769	3655	7.6
					67	1609	528	11.0	3889	3915	7.4
					69	1625	576	12.0	3999	4170	7.2
					70	1640	624	13.0	4112	4435	7.1
					71	1655	672	14.0	4230	4637	6.9
					72	1669	720	15.0	4321	4790	11.0
					73	1680	768	16.0	4400	5055	6.6
					74	1692	816	17.0	4512	5231	6.4
					75	1698	864	18.0	4544	5479	6.3
					76	1711	912	19.0	4656	5622	6.2
					76	1717	960	20.0	4719	5974	6.2
					77	1725	1709	35.6	5147	6750	4.0

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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