

DE8118 80KV

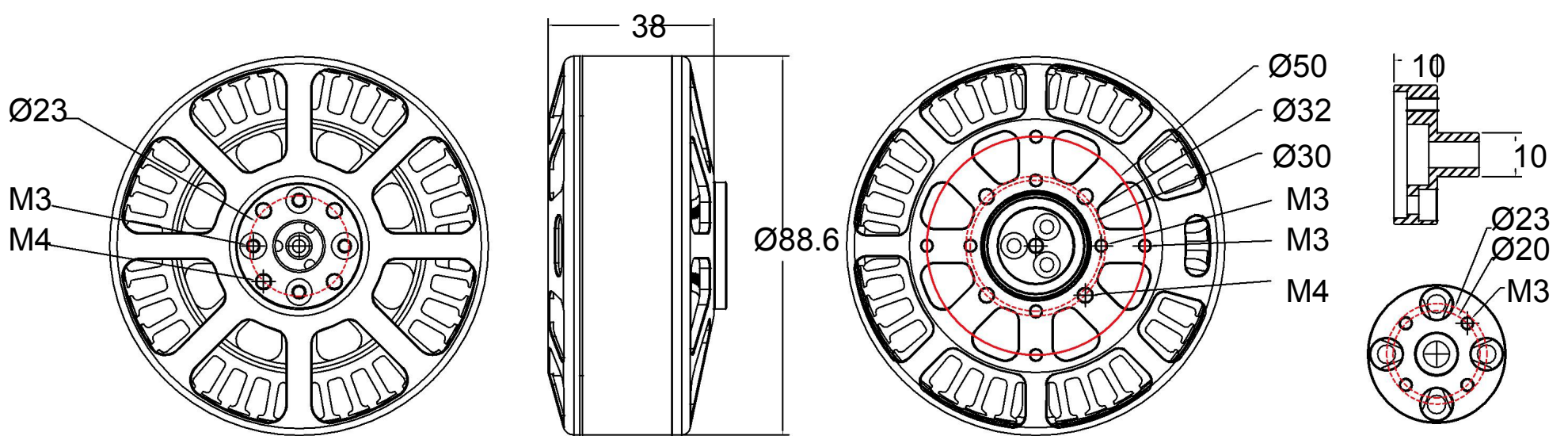
DE818 motors come in two concept sign versions. The ENTHUSIASTS EXTREME EDITION for extreme weight reduction while maintaining the highest possible performance. And the INDUSTRY PRO EDITION achieving water and dust proof protection together with compatibility of mounting possibilities for motor and propellers.

DE8118 80KV EEE

ENTHUSIASTS EXTREME EDITION

- Reduced motor weight
- Open body sign for better passive heat dissipation
- Compatibility for propeller installation
- Motor mounting holes standarization
- Repairable
- Maximized performance
- Low power consumption
- signed for 10S-14S voltage

DE8118 IPE NOT AVAILABLE



SPECIFICATIONS

MAD8118		EEE	
Configuration	36N40p	Heat Dissipation	Passive
RPM/V	80KV	Rotor Balanced	Yes
Stator Size	81 x 18 mm	Heavy Duty sign	No
Motor Dimensions	88.6 x 38 mm	gree of Protection	Rainproof
Shaft Diameter	10 mm	Maximum Thrust	10150 g (12S)
Maximum Power (180 secs)	1500 W	Propeller Mounting Holes	4*M3 Ø50mm 4*M3 Ø30mm 4*M4 Ø32mm
Maximum Current (180 secs)	33 A	Motor Mounting Holes	4x M3 Ø20mm
Idle Current at 160V	0.8 A	Wire	Winding Extend 150 mm
Internal Resistance	93 mΩ	Propeller Adapter	No
Motor Weight	500 g	Additional Accessories	3x Bullet Connector Set 3x Heat Shrink Tubes 2x M3 10mm 2x Carbon Prop Cover 1x MAD Stickers 2x Black Foam with Hole Stand for Cup
Product Boxed Weight	775 g		

RECOMMENDATIONS

Propeller size	28" - 30"	12S	Takeo Weight	1700 - 3500 g/rotor	12S
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Propeler Size	Voltage (V)	Throttle	Current (A)	Thrust (g)	RPM	Power (W)	Efficiency (g/W)	Torque (N*m)	Temperature (°C)
		10%	1.8	1240	1624	86.4	14.4	0.51	
		20%	3.6	2080	2086	172.8	12.0	0.79	
		30%	5.4	2810	2462	259.2	10.8	1.01	

26*85	48	40%	7.2	3500	2721	345.6	10.1	1.21	44°C
		50%	9.0	4120	2959	432.0	9.5	1.39	
		60%	10.8	4670	3132	518.4	9.0	1.58	
		70%	12.6	5170	3295	604.8	8.5	1.75	
		80%	14.4	5690	3450	691.2	8.2	1.91	
		90%	16.2	6100	3589	777.6	7.8	2.07	
		100%	17.7	6460	3679	849.6	7.6	2.21	
27*88	48	10%	2.0	1400	1609	96.0	14.6	0.57	49°C
		20%	4.0	2320	2059	192.0	12.1	0.89	
		30%	6.0	3160	2402	288.0	11.0	1.15	
		40%	8.0	3900	2670	384.0	10.2	1.37	
		50%	10.0	4610	2883	480.0	9.6	1.59	
		60%	12.0	5220	3063	576.0	9.1	1.80	
		70%	14.0	5910	3223	672.0	8.8	1.99	
		80%	16.0	6440	3362	768.0	8.4	2.18	
		90%	18.0	6930	3499	864.0	8.0	2.36	
		100%	20.0	7360	3619	960.0	7.7	2.53	
28*92	48	10%	2.4	1640	1600	115.2	14.2	0.69	53°C
		20%	4.8	2760	2083	230.4	12.0	1.06	
		30%	7.2	3660	2395	345.6	10.6	1.38	
		40%	9.6	4480	2638	460.8	9.7	1.67	
		50%	12.0	5390	2841	576.0	9.4	1.94	
		60%	14.4	5940	3033	691.2	8.6	2.18	
		70%	16.8	6680	3185	806.4	8.3	2.42	
		80%	19.2	7230	3365	921.6	7.8	2.62	
		90%	21.6	7820	3436	1036.8	7.5	2.88	
		100%	23.4	8240	3538	1123.2	7.3	3.03	
29*95	48	10%	2.6	1850	1635	124.8	14.8	0.73	58°C
		20%	5.2	3010	2139	249.6	12.1	1.11	
		30%	7.8	4020	2448	374.4	10.7	1.46	
		40%	10.4	4930	2711	499.2	9.9	1.76	
		50%	13.0	5760	2914	624.0	9.2	2.05	
		60%	15.6	6580	3111	748.8	8.8	2.30	
		70%	18.2	7240	3260	873.6	8.3	2.56	
		80%	20.8	7890	3402	998.4	7.9	2.80	
		90%	23.4	8550	3536	1123.2	7.6	3.03	
		100%	25.9	9170	3640	1243.2	7.4	3.26	
30*10.5	48	10%	3.0	2100	1544	144.0	14.6	0.89	63°C
		20%	6.0	3400	1947	288.0	11.8	1.41	
		30%	9.0	4520	2294	432.0	10.5	1.80	
		40%	12.0	5610	2524	576.0	9.7	2.18	
		50%	15.0	6410	2720	720.0	8.9	2.53	
		60%	18.0	7390	2827	864.0	8.6	2.92	
		70%	21.0	8160	3032	1008.0	8.1	3.17	
		80%	24.0	8810	3152	1152.0	7.6	3.49	
		90%	27.0	9500	3274	1296.0	7.3	3.78	
		100%	30.0	10150	3387	1440.0	7.0	4.06	