



THIS MOTOR IS EQUIVALENT TO A .15 SIZE COMBUSTION ENGINE.

For Models requiring a brushless outrunner motor capable of 400 watts of power

**MOTROFLY
DM2810-1000**

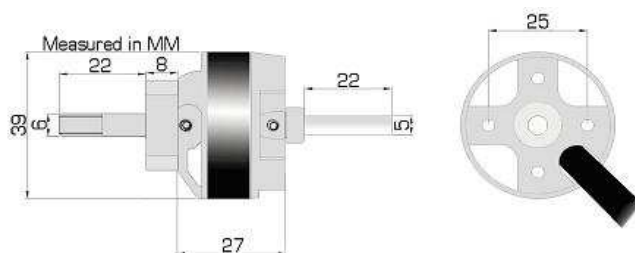
Ideal for the following models by flying weight:

3D planes up to 36 oz

Pattern planes up to 33 oz

Prop Jet planes up to 38 oz

Scale or Sport planes up to 45 oz



Motor weight with out, X mount, connectors and hub as most are measured, 91 grams

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Weight is with Hub, X mount, hardware, and pre soldered 3.5mm connectors.

Weight 4.1 oz 116 gram	Kv 1056	No load Current 1.36 A at 7V	No load Current 1.80 A at 12V	Resistance 0.0525Ω
Voltages 11.1V to 15.6V	Max Current 40 amps	Max Watts 11.1V 380 W	Max Watts 14.8V 450 W	Max Efficiency 82%

Max prop size & pitch to use per voltage or cell count for this motor.

7.4V	11.1V	14.8V	18.5V	22.2V
6 Ni-MH/Ni-Cd OR 2 Cell Lipo	10 Ni-MH/Ni-Cd OR 3 Cell Lipo	13 Ni-MH/Ni-Cd OR 4 Cell Lipo	16 Ni-MH/Ni-Cd OR 5 Cell Lipo	18 Ni-MH/Ni-Cd OR 6 Cell Lipo
APC Prop Size	APC Prop Size	APC Prop Size	APC Prop Size	APC Prop Size
	12x6 E	9x6 E		

Power System for 3D models with a flying weight up to 36 oz

Propeller APC 12x6 E	Speed Control FM-40	Max Watts 377	Recommended Lipo Battery 1300 to 1800mah 3s 11.1V 30C
Total weight is motor with all hardware, connectors, speed control, and prop.			
Thrust at 11.1V 56 oz 1588 gram	Pitch speed 41mph	Max amp draw 34 amps	Total Weight (W/O Battery) 6.74 oz (191 grams)

Power System for Pattern Planes with a flying weight up to 33 oz

Propeller APC 11x8 E	Speed Control FM-40	Max Watts 388	Recommended Lipo Battery 1500 to 1800mah 3s 11.1V 25C
Total weight is motor with all hardware, connectors, speed control, and prop.			
Thrust at 11.1V 48 oz 1360 gram	Pitch speed MPH 54mph	Max amp draw 35 amps	Total Weight (W/O Battery) 6.7 oz (189 grams)

Power System for Sport models with a flying weight up to 45 oz

Propeller MASS air 10x6 Wood E	Speed Control FM-40	Max Watts 300	Recommended Lipo Battery 1800 to 2200mah 3s 11.1V 20C
Total weight is motor with all hardware, connectors, speed control, and prop.			
Thrust at 11.1V 50 oz 1588 gram	Pitch speed 46mph	Max amp draw 27 amps	Total Weight (W/O Battery) 6.53 oz (185 grams)

The below power option would also be good for Sport or War Bird models up to 45 oz

Prop Jet or Fast Airfoil or models with a flying weight up to 38 oz

Propeller APC 9x6 E	Speed Control FM-40	Max Watts 458	Recommended Lipo Battery 1500 to 2200mah 4s 14.8V 20C
Total weight is motor with all hardware, connectors, speed control, and prop.			
Thrust at 14.8V 55 oz 1560 gram	Pitch speed MPH 65mph	Max amp draw 31 amps	Total Weight (W/O Battery) 6.53 oz (185 grams)

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Motor Comparison:

Dualsky XM3530CA-14 1000Kv
Eflite Park 480 1020Kv
Hacker A30-28S 1140Kv
Himax HC 3510 1100Kv
Hyperion Z3007-30 1050Kv
HXT 35-30C 1100Kv
Rim Fire 35-30-950
Scorpion S-3008-32 1090Kv
Torque 2830 1095Kv

**ONE YEAR WARRANTY
ON MANUFACTURERS
DEFECTS.**

**SEE TERMS AND CONDITIONS
FOR MORE DETAILS.**

www.subsonicplanes.com