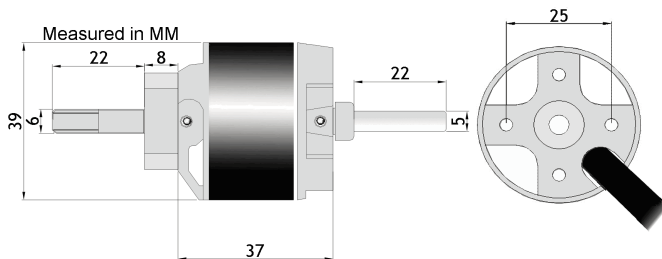




THIS MOTOR IS EQUIVALENT TO A .40 SIZE COMBUSTION ENGINE.
For Models requiring a brushless outrunner motor capable of 800 watts of power.

**MOTROFLY
DM2820-950**

Ideal for the following models by flying weight:
3D planes up to 70 oz
Pattern planes up to 74 oz
Prop Jet or Fast planes up to 58 oz
Scale or Sport planes up to 108 oz



Motor weight with out, X mount, connectors and hub as most are measured, 152 grams



Weight is with Hub, X mount, hardware, and pre soldered 3.5mm connectors.				
Weight	Kv	No load Current	No load Current	Resistance
6.21 oz 176 gram	966	2.088A at 7V	2.365A at 10V	0.0272Ω
Voltages	Max Current	Max Watts	Max Watts	Max Efficiency
11.1V to 18.5V	80 amps	11.1V 800 W	14.8V 1000 W	85%

Max prop size 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
	15x8	13x6.5	10x7	

Light Power System for 3D models with a flying weight up to 56 oz			
Propeller	Speed Control	Max Watts	Recommended Lipo Battery
APC 14x7 E	FM-60	640 W	2200mah 3s 11.1V 25C
Total weight is motor with all hardware, connectors, speed control, and prop.			
Thrust at 11.1V	Pitch speed	Max amp draw	Total Weight (W/O Battery)
87 oz 2466 gram	50 mph	60 amps	9.35 oz (265 grams)

EXTREME Power for 3D models with a flying weight up to 70 oz			
Propeller	Speed Control	Max Watts	Recommended Lipo Battery
APC 12x6 E	FM-80	962 W	2500mah 4s 14.8V 30C
Total weight is motor with all hardware, connectors, speed control, and prop.			
Thrust at 14.8V	Pitch speed	Max amp draw	Total Weight (W/O Battery)
120 oz 3402 gram	60 mph	65 amps	9.59 oz (272 grams)

Light Power System for Pattern models with a flying weight up to 52 oz			
Propeller	Speed Control	Max Watts	Recommended Lipo Battery
APC 12x10 E	FM-60	644 W	2500mah 3s 11.1V 25C
Total weight is motor with all hardware, connectors, speed control, and prop.			
Thrust at 11.1V	Pitch speed	Max amp draw	Total Weight (W/O Battery)
74 oz 2098 gram	71 mph	60 amps	9.14 oz (259 grams)

EXTREME Power for Pattern models with a flying weight up to 72 oz			
Propeller	Speed Control	Max Watts	Recommended Lipo Battery
APC 12x8 E	FM-80	1090 W	2500mah 4s 14.8V 30C
Total weight is motor with all hardware, connectors, speed control, and prop.			
Thrust at 14.8V	Pitch speed	Max amp draw	Total Weight (W/O Battery)
115 oz 3260 gram	77 mph	74 amps	9.52 oz (270 grams)

Prop Jet or Fast Airfoil models with a flying weight up to 58 oz			
Propeller	Speed Control	Max Watts	Recommended Lipo Battery
APC 9x9 E	FM-80	1390 W	2500mah 5s 18.5V 30C
Total weight is motor with all hardware, connectors, speed control, and prop.			
Thrust at 18.5V	Pitch speed	Max amp draw	Total Weight (W/O Battery)
83 oz 2353 gram	114 mph	75 amps	9.31 oz (264 grams)

Motor Comparison:
Atlas 2921/10 990Kv
AXI 2820/12 990Kv
Dualsky XM3548CA-5 850Kv
Eflite Power 25 870Kv
Hacker A30-12L 1000Kv
Himax HC3522 990Kv
Hyperion Z3019-12 900Kv
HXT 35-42C 1000Kv
Rim Fire
Scorpion S-3020-14 931Kv
Torque 2814-820Kv

**ONE YEAR WARRANTY
ON MANUFACTURERS
DEFECTS.**

SEE TERMS AND CONDITIONS
FOR MORE DETAILS.