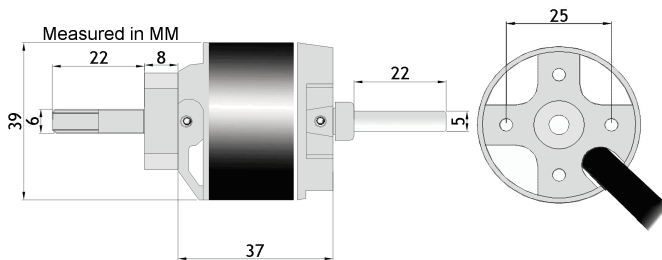




**THIS MOTOR IS EQUIVALENT TO A .40 SIZE COMBUSTION ENGINE.**  
**For Models requiring a brushless outrunner motor capable of 800 watts of power.**

**MOTROFLY DM2820-750** **Ideal for the following models by flying weight:**  
**3D planes up to 62 oz**  
**Pattern planes up to 72 oz**  
**Scale or Sport planes up to 7.18 lbs.**



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	638	1.57A at 12V	1.81A at 16V	0.0484Ω
Voltages	Max Current	Max Watts	Max Watts	Max Efficiency
11.1V to 18.5V	50 amps	14.8V 710 W	18.5V 880 W	83%

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
	20x8	15x8	13x8	12x6

Light Power System for 3D models with a flying weight up to 50 oz			
Propeller	Speed Control	Max Watts	Recommended Lipo Battery
APC 15x6 E	FM-40	592 W	1800 to 2200mah 4s 14.8V 25C
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)
83 oz gram	40 mph	40 amps	oz ( grams)

EXTREME Power for 3D models with a flying weight up to 62 oz			
Propeller	Speed Control	Max Watts	Recommended Lipo Battery
APC 13x6.5 E	FM-60	833 W	2200mah 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)
110 oz 3118 gram	56 mph	45 amps	oz ( grams)

Light Power System for Pattern models with a flying weight up to 52 oz			
Propeller	Speed Control	Max Watts	Recommended Lipo Battery
APC 13x10 E	FM-60	652 W	2200mah 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)
84 oz gram	65 mph	44 amps	oz ( grams)

EXTREME Power for Pattern models with a flying weight up to 72 oz			
Propeller	Speed Control	Max Watts	Recommended Lipo Battery
APC 13x8 E	FM-60	885 W	2200mah 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)
114 oz 3232 gram	68 mph	48 amps	oz ( grams)

Sport models or War Birds with a flying weight up to 115 oz or 7.18LB			
Propeller	Speed Control	Max Watts	Recommended Lipo Battery
APC 12x6 E	FM-60	1050 W	2200 to 3200mah 6s 22.2V 25C
Total weight is motor with all hardware, connectors, speed control, and prop.			
Thrust at 22.2V	Pitch speed	Max amp draw	Total Weight (W/O Battery)
135 oz gram	64 mph	48 amps	oz ( grams)

Motor Comparison:
Dualsky XM3548CA-6, 720Kv
Himax HC3522-700Kv

**ONE YEAR WARRANTY  
ON MANUFACTURERS  
DEFECTS.**

SEE TERMS AND CONDITIONS  
FOR MORE DETAILS.