

803FM

Astro 020 Ducted Fan includes both 020 motor and Wemotek Mini Fan 480 Part No. 803FM

The Astro 020 4 turn Brushless Motor is specially designed for the Wemotek 480 Mini Fan.. The Astro 020 Sensorless Motor is very small. It is only 0.975 inches in diameter, 1.75 inches long and weighs only 2.5 ounces. Using a four cell Lithium Polymer battery pack, the Astro 020 Ducted Fan motor can handle over 400 watts and spin the WEMOTEK 480 Fan at 33,000 rpm,

Astro 020 Motor Characteristics

Part No.	803FM
Winding	4 turns
Rpm/Volt	3,330 rpm/volt
Winding Resistance	0.049 ohms
No Load current	900 ma
Rotor Magnets	Sm Cobalt
Bearings	Ball Bearings
Motor Diameter	0.98 inches
Motor Length	1.75 inches
Motor Weight	2.5 oz
Motor Shaft Diameter	1/8 inch
Motor Sleeve Diameter	1.125 inches
Power Cable Length	12 inches 13 gage
Power Connector	Astro zero loss
Control Type needed	35 Amp Sensorless
Voltage range	10 to 16 volts
Maximum Amps	30 amps
Maximum Power	400 watts

Measured Performance of 020 Motor & Wemotek 480 Ducted Fan

Battery	Amps	Watts	Rpm
2 Lithium poly	12 amps	90 watts	21,300 rpm
3 Lithium poly	23 amps	260 watts	30,000 rpm
4 Lithium poly	35 amps	500 watts	37,500 rpm
4 A123 Li- ion	29 amps	380 watts	34,000 rpm

Other parts you may need

Stock No	Name	Price
101n	Super Whattmeter No Conn.	\$44.95
105	Servo Tester	\$19.95
123	A123 Lithium Ion Charger	\$129.95
110	Deluxe Charger 1-24 cells	\$129.95

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