



Customer:	
Model:	F8025E05B-FHR
Customer Part Number:	
Revision:	
Description:	Brushless DC Fan
Issue Date:	
Revision Date:	

Drawn By:	Checked By:	Approved By:
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SPECIFICATIONS FOR APPROVAL

Mechatronics is pleased to submit the following specifications for review. If these specifications are for a final approval, please sign, date, and return to:

Mechatronics
 FAX (425) 222-5155

TEL (425) 222-5900

Customer Approval (print):	Authorized Signature:



BRUSHLESS DC FAN SPECIFICATIONS

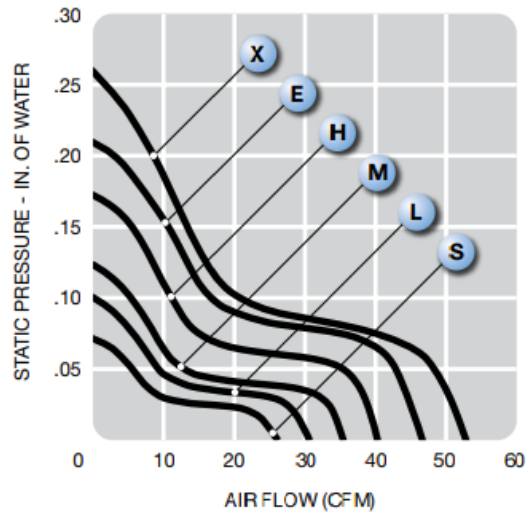
1. SCOPE

This specification applies to axial fan model: **F8025E05B-FHR**

2. SPECIFICATIONS

Motor Design	Single phase, 4-pole Brushless DC motor
Frame Material	UL94V-0 PBT
Impeller Material	UL94V-0 PBT
Mass	83g
Bearings	Ball Bearings
Motor Insulation	Class A
Maximum Free-Air Flow	46 CFM
Maximum Back Pressure	0.21 In H ₂ O
Rated Voltage	5.0 VDC
Operating Voltage	4 ~ 6.5 VDC
Rated Current	0.8 A
Power	4W
Rated Speed	3,800 RPM
Operating Temperature	-10°C to +70°C, 10% to 90% RH
Storage Temperature	-30°C to +80°C, 5% to 95% RH
Sound Pressure Level	35 dB(A). As measured in a sound isolated room; background noise 20 dB or less; microphone distance 1m from intake side of fan
Insulation Resistance	Min 10M ohm between frame and (+) lead at 500 VDC
Dielectric Strength	Max 5 mA between frame and (+) lead at 500 VAC for 60sec
Life Expectancy	50,000 Hours at 40°C
Lead Wire(s)	(+) RED (-) BLACK
Safety Ratings	UL, cUL, TUV
RoHS Compliance	RoHS 2011/65/EC Compliant
Motor Protection	Locked Rotor Protection and Auto-Restart Reverse Polarity Protection

3. PERFORMANCE



4. MECHANICAL

Dimensional Drawing – Unit: mm (inch)

