

Customer:			
Model:		F8025E05B-FHR	
Customer Part Numbe	r:		
Revision:			
Description:		Brushless DC Fan	
Issue Date:			
Revision Date:			
Drawn By:	Check	xed By:	Approved By:
		following sp	pecifications for review. I
Mechatronics FAX (425) 222-5155			
TEL (425) 222-5900			
Customer Approval (print):		Auth	orized Signature:



BRUSHLESS DC FAN SPECIFICATIONS

1. SCOPE

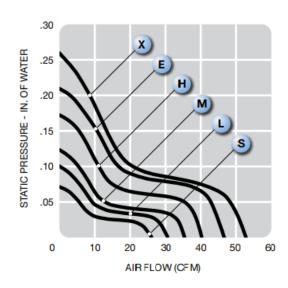
This specification applies to axial fan model: F8025E05B-FHR

2. SPECIFICATIONS

Motor Design	Single phase A pole Prushless DC motor		
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	ÚĹ, cUL, TUV		
RoHS Compliance	RoHS 2011/65/EC Compliant		
Motor Protection	r Protection Locked Rotor Protection and Auto-Restart		
	Reverse Polarity Protection		
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3. PERFORMANCE



4. MECHANICAL Dimensional Drawing – Unit: mm (inch)

