Customer:	
Item: Brushless AC Axial Fan	**Page 1 of 5**
Model: UF250BMB12-H2C2A	**Issue Date:**

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	Authorized Signature

Customer:	
Item: Brushless AC Axial Fan	**Page 2 of 5**
Model: UF250BMB12-H2C2A	**Issue Date:**

BRUSHLESS AC FAN SPECIFICATIONS

1. SCOPE
   This specification applies to model: UF250BMB12-H2C2A

2. STRUCTURE AND FORM

2-1	Motor Type	Permanent Split Capacitor
2-2	External	As per drawing
2-3	Housing	Aluminum Alloy
2-4	Impeller	Metal
2-5	Weight	2.80 kg
2-6	Bearing	2 Ball Bearing
2-7	Motor Insulation	Class F

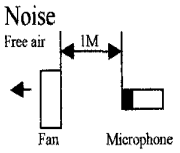
3. RATING AND OPERATING CONDITIONS

		50 Hz	60 Hz
3-1	Rated Voltage	115 VAC	115 VAC
3-2	Rated Current	1.08 A	1.18 A
3-3	Power	115 W	135 W
3-4	Operating Temperature	-40°C to +70°C	-40°C to +70°C
3-5	Storage Temperature	-40°C to +80°C	-40°C to +80°C
3-6	Speed	2,550 RPM	2,850 RPM

4. AIR FLOW, AIR PRESSURE CHARACTERISTICS

			50 Hz	60 Hz
4-1	Air flow	Static Pressure = 0	1090 CFM	1135 CFM
4-2	Air Pressure Characteristics	Airflow = 0	0.92 in H2O	0.84 in H2O

5. PERFORMANCE

5-1		As measured in a sound isolated room, background noise 20 dB or less, microphone distance 1 m from intake side of fan.	50 Hz – 68 dbA 60 Hz – 70 dbA
5-2	Dielectric Test	Measured between terminal and fan frame with AC 1500 v applied for one minute.	Fan(s) meet performance standards

6. SPECIAL TEST

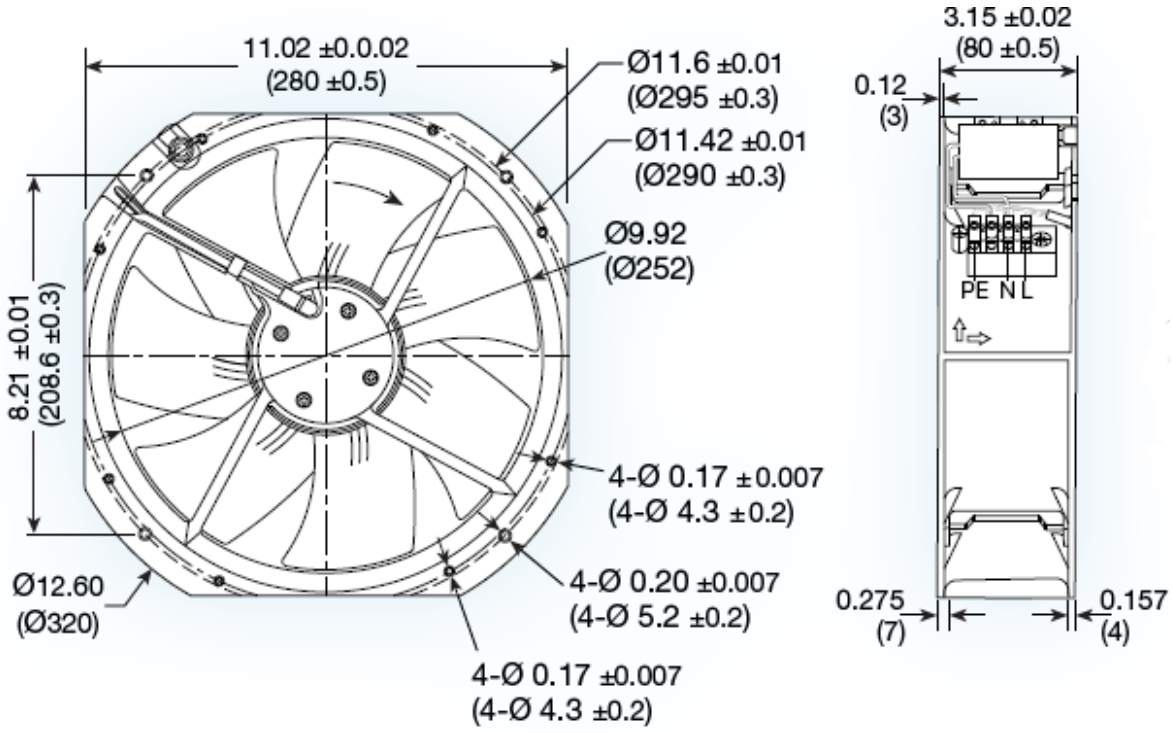
7-1	Vibration Resistance	5-30Hz, 0.04 peak-to-peak amplitude, 30-500Hz, 2g peak amplitude for 5 minutes to all three axes	Fan(s) meet performance standards
7-2	Shock Resistance	60g, 11 millisecond (1/2 sine), twice to all three axes	Fan(s) meet performance standards
7-3	L10 Life	Expected mean endurance time until revolutions drop by 30% from the initial value - when run continuously within rated environmental conditions	60,000 hours at 40°C
7-4	Rotor Resistance	With rotor restricted and at rated voltage for 72 hours	Shall have no damage

7. OTHER

8-1	Terminal	Screw terminal block
8-2	Rotating Direction	Marked on housing
8-3	Airflow Direction	Marked on housing
8-4	Appearance	Shall be free of defects
8-5	Lot Marking	Date code stamped on label

Customer:	
Item: Brushless AC Axial Fan	**Page 4 of 5**
Model: UF250BMB12-H2C2A	**Issue Date:**

8. MECHANICAL DRAWINGS – Units: In (mm)



Customer:	
Item: Brushless AC Axial Fan	**Page 5 of 5**
Model: UF250BMB12-H2C2A	**Issue Date:**

9. PERFORMANCE CURVE