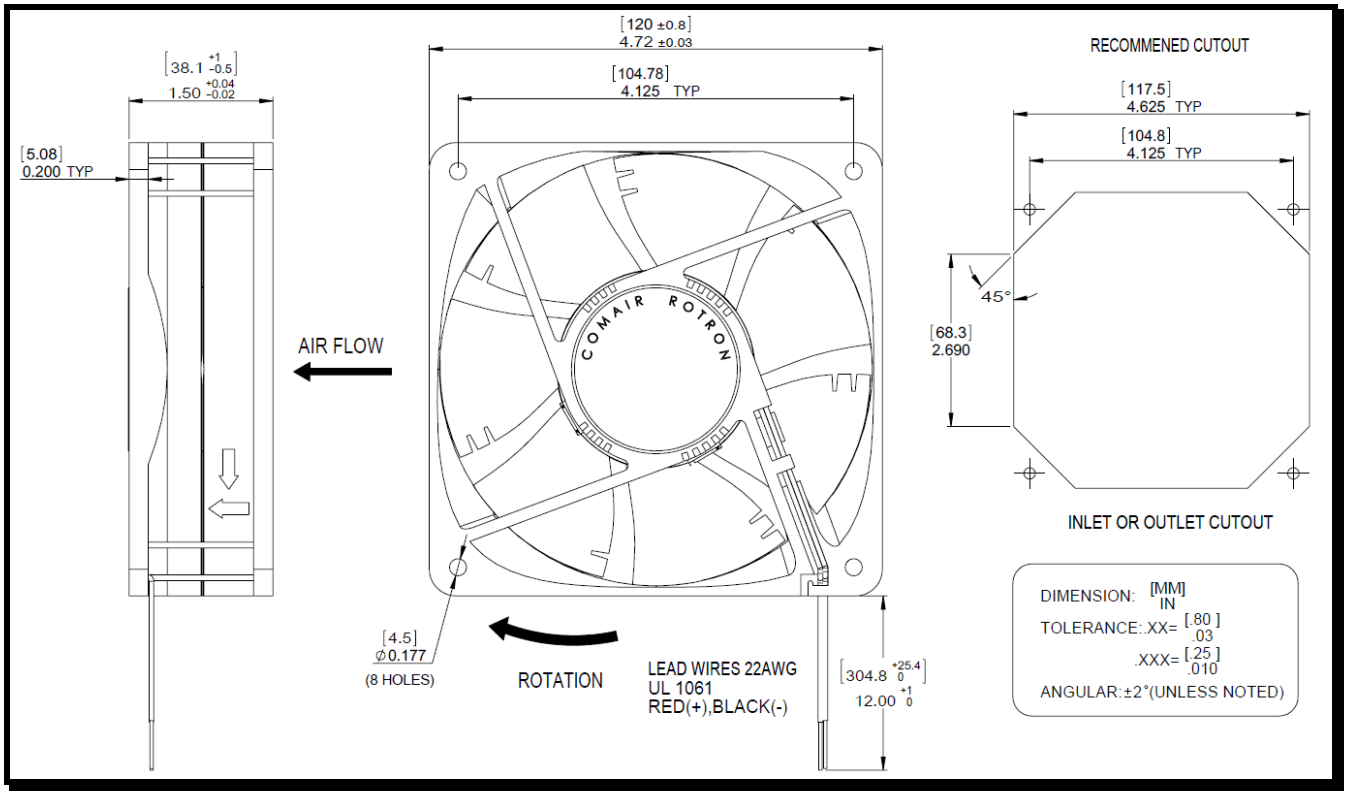
SPECIFICATIONS

(RoHS Compliant)

Model Number: MSD48K3E2X-E3 Version: 00

Part Number: 17001161A Jun 12, 2018

Mechanical Drawing:



Motor:

Nominal Voltage	= 48 vdc
Operating Voltage Range	= 36 - 60 vdc
Nominal Running Current	= 0.22 amps
Max. Locked Rotor Current	= 1.20 amps
Running Power	= 10.6 watts
Average Speed	= 3400 RPM
Bearings	= Ball
Air Flow	= 120 CFM
Acoustic	= 51.8 dBA

Construction:

Venturi: Plastic, Black, UL 94V-0
Propeller: Plastic, Black, UL 94V-0

Life Expectancy:

This fan is designed for continuous duty life of 45,000 hours at 70°C.

Termination:

12"±1"(304.8±25.4mm) 22AWG UL1061 Leadwires
Red = Power(+)
Black = Return(-)
Blue/White = Tach output
Yellow = PWM control

Additional Features:

Brushless DC Motor
Automatic Restart Capability
Electronic Locked Rotor Protection
Polarity Protected

Operating Temperature:	-10°C to 70°C
Storage Temperature:	-40°C to 85°C
Environmental Protection:	Type 3(IP68)

TACHOMETER:

Output: Open Collector
Ic: 20 mA max.
Vcc: 60 Vdc max.
Pulses per Revolution: 2
Isolated: No

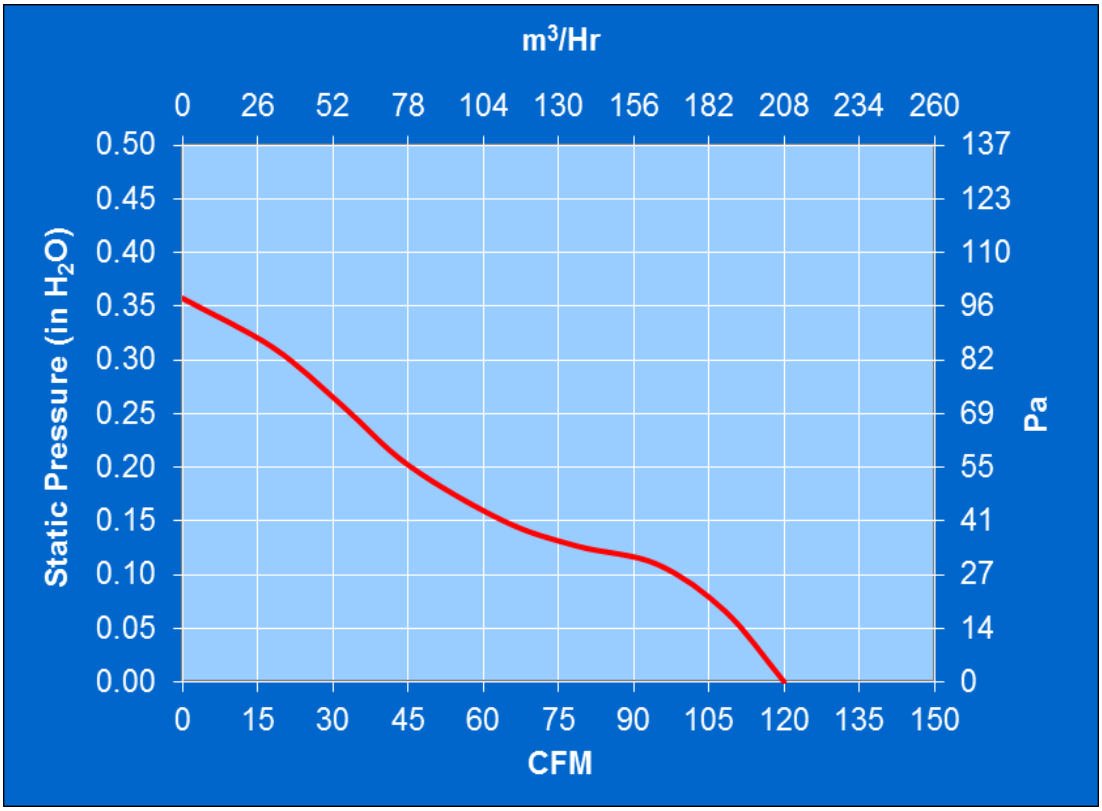
Speed Control:

PWM: 200 ~ 2 KHz, Open Collector
<10% Duty: Off
10%~95% Duty: Linear Ramp
>95% Duty or Open Lead Wire: Full Speed

Agencies:

UL, CUL, CE

PQ Curve:


m³/Hr
0 26 52 78 104 130 156 182 208 234 260
0.50 0.45 0.40 0.35 0.30 0.25 0.20 0.15 0.10 0.05 0.00
Static Pressure (in H2O)
137 123 110 96 82 69 55 41 27 14 0
Pa
0 15 30 45 60 75 90 105 120 135 150
CFM

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