

# SPECIFICATIONS

(RoHS Compliant)



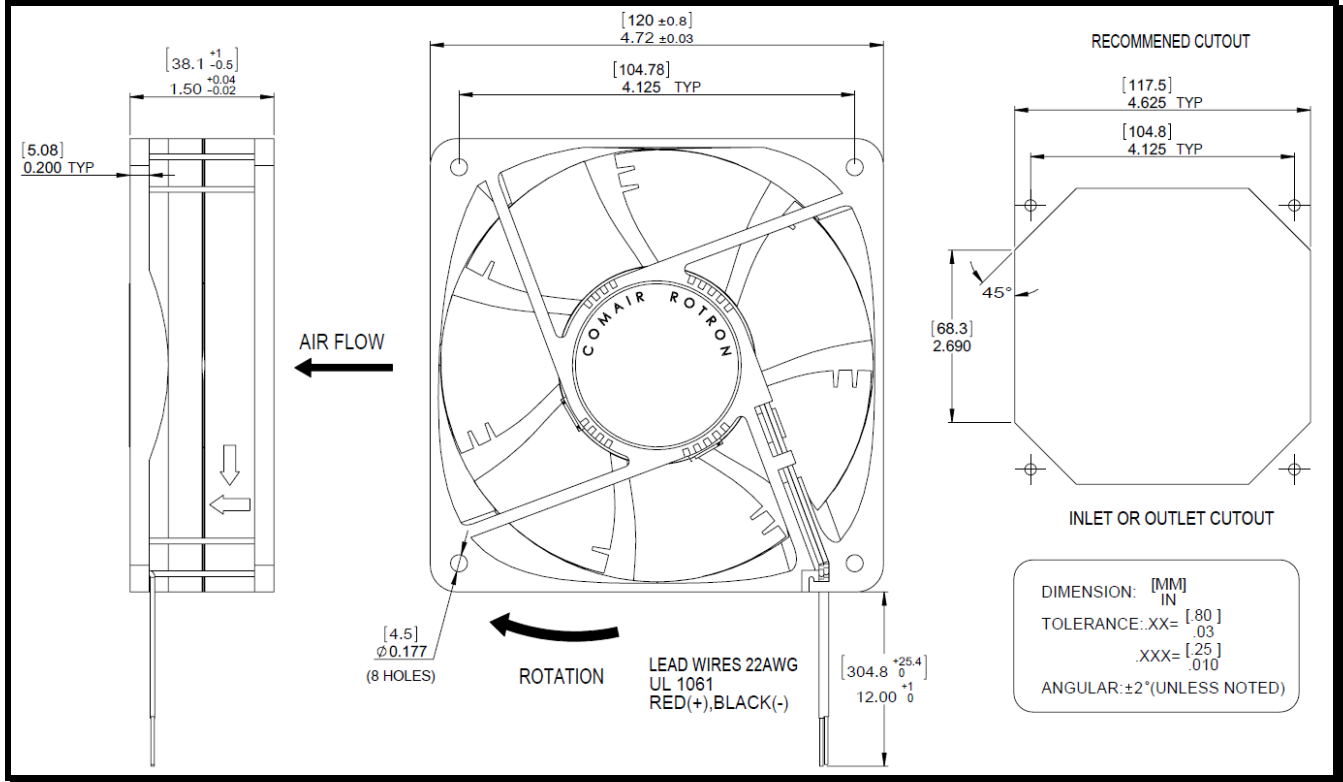
**Model Number:** MSD48K3E2X-E3

**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"  $\pm 1$ " (304.8  $\pm 25.4$ mm) 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:**

