

# SPECIFICATIONS

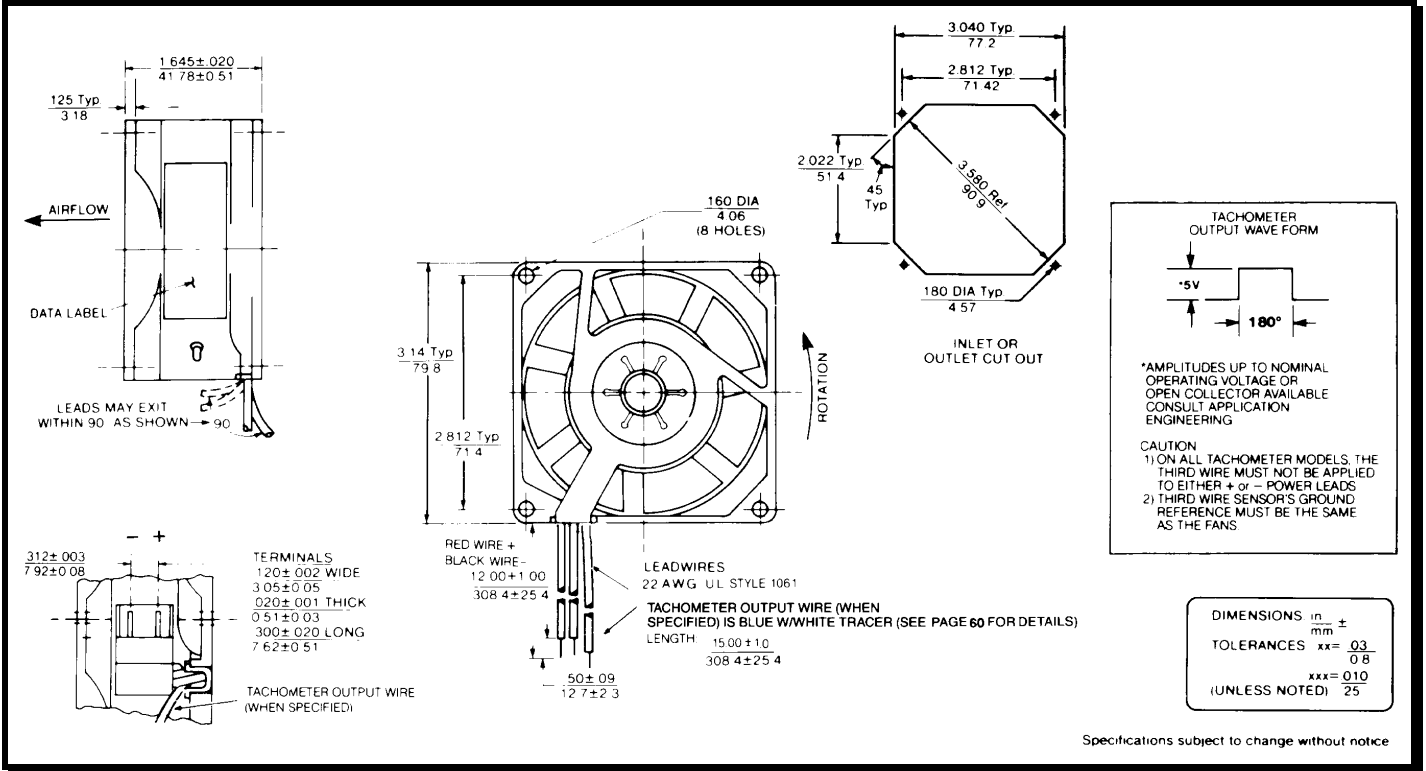
(RoHS Compliant)

**Model Number:** SDD48Z1E2X-E3  
**Part Number:** 17001146A

**Version:** 01  
**Aug 08, 2019**



## Mechanical Drawing:



### Motor:

Nominal Voltage	= 48 vdc
Operating Voltage Range	= 36 – 60vdc
Nominal Running Current	= 0.160 amps
Locked Rotor Current	= 0.7 amps
Running Power	= 7.5 watts
Average Speed	= 4900
Bearings	= Ball
Air Flow	= 50 CFM
Acoustic	= 55.4 dBA

### Construction:

Venturi: Single Piece Die-Cast Zinc Alloy, Black  
Propeller: Plastic, Black, UL 94V-0

### Life Expectancy:

This fan is designed for continuous duty life of 52,000 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: 60Vdc max.  
Pulses per Revolution: 1  
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:

