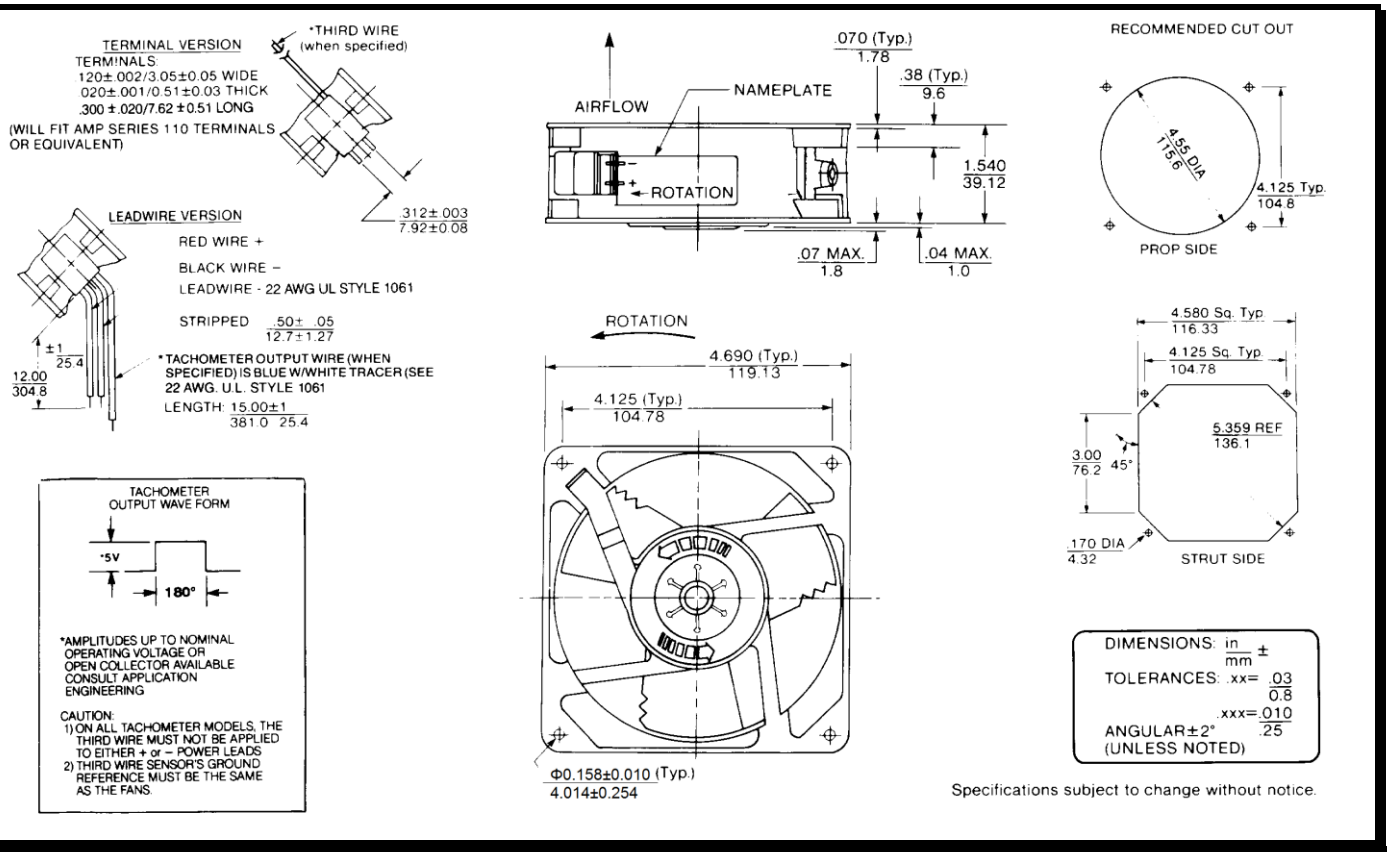
SPECIFICATIONS

Model Number: MDD48B1E2X-E3 Version:00
Part Number: 17001164A Jun. 12, 2018

Mechanical Drawing:



Motor:

Nominal Voltage	= 48 vdc
Operating Voltage Range	= 36 - 48vdc
Nominal Running Current	= 0.12 amps
Locked Rotor Current	= 0.5 amps
Running Power	= 5.8 watts
Average Speed	= 3100 rpm
Bearings	= Ball
Air Flow	= 106 CFM
Acoustic	= 50 dBA

Construction:

Venturi: Die-Cast Aluminum, Black
Propeller: Plastic, Black, UL 94V-0

Life Expectancy:

This fan is designed for continuous duty life of 55,000 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

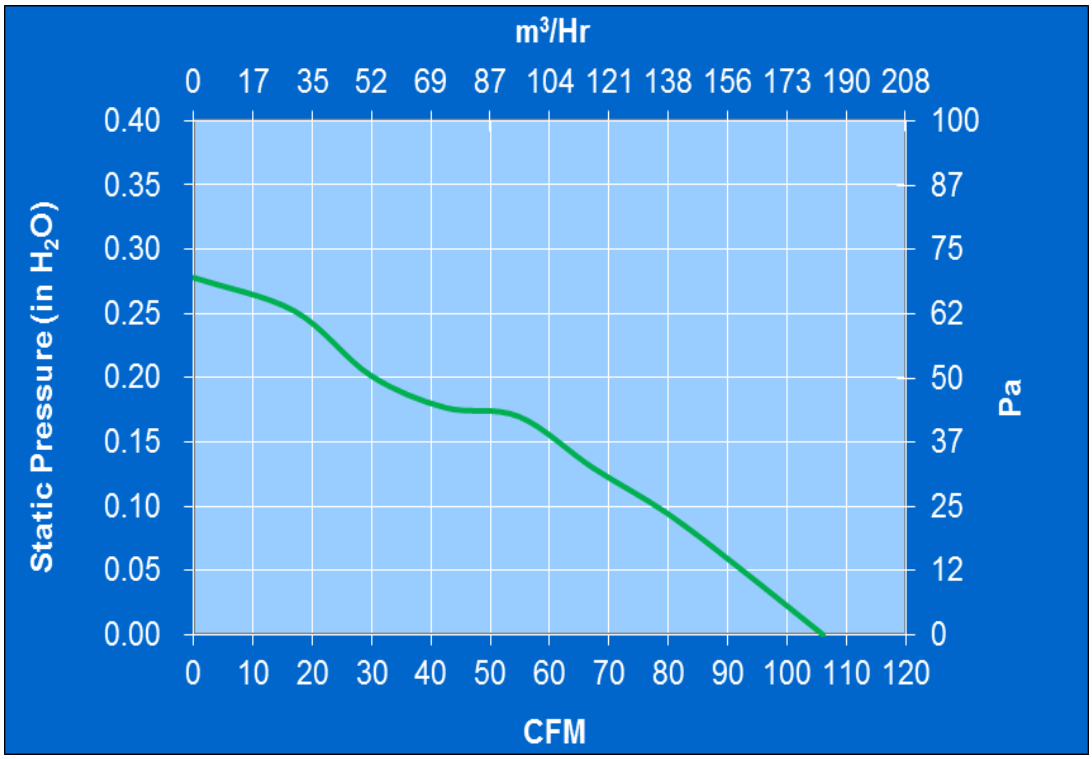
Speed Control:

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 17 35 52 69 87 104 121 138 156 173 190 208
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Static Pressure (in H2O)
100
87
75
62
50
37
25
12
0
Pa
0 10 20 30 40 50 60 70 80 90 100 110 120
CFM

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