

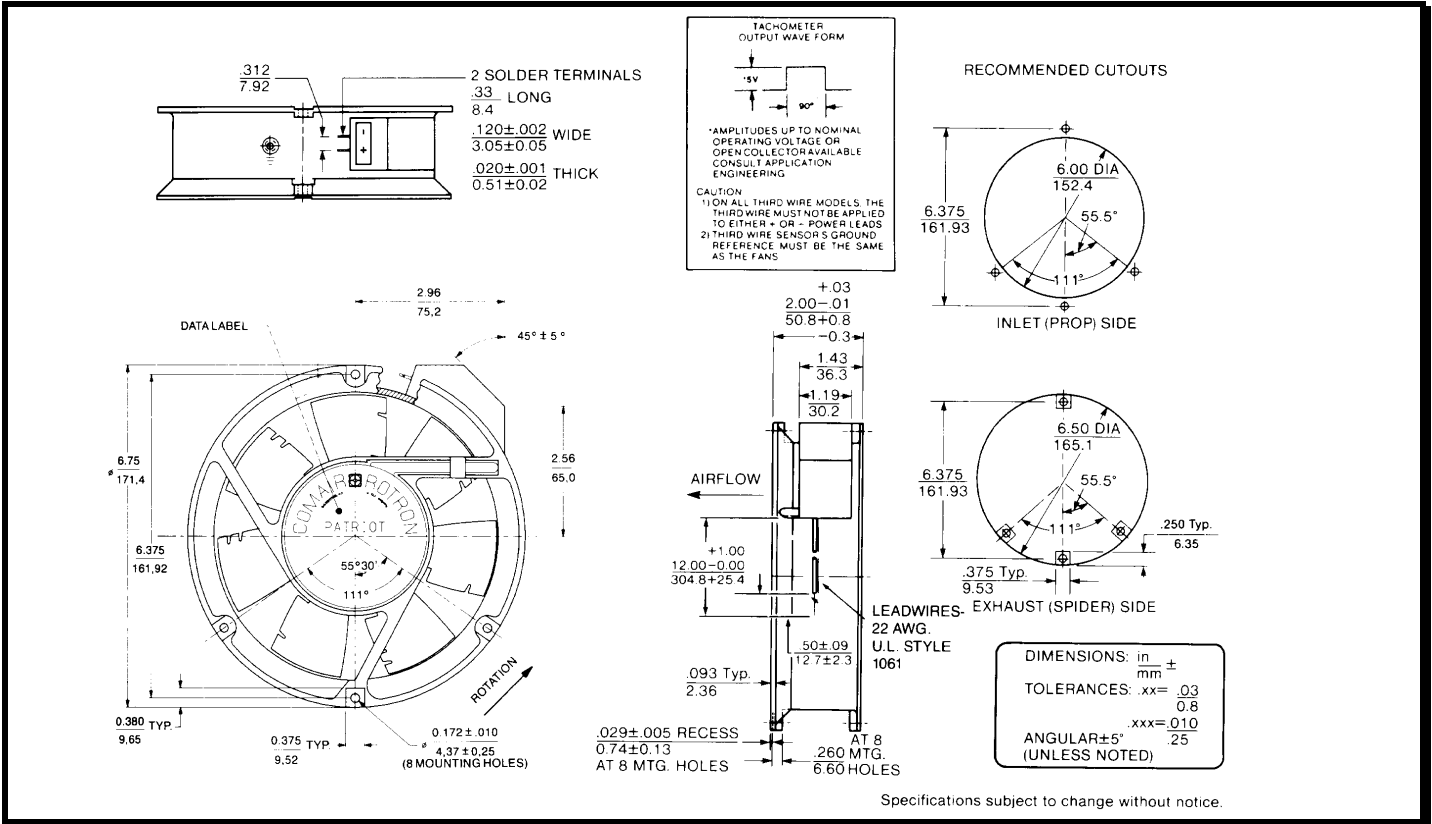
SPECIFICATIONS



Model Number: PQD48B6D3-E2
Part Number: 16002542A

May 02, 2013

Mechanical Drawing:



Motor:

Nominal Voltage	= 48 vdc
Operating Voltage Range	= 36 - 72 vdc
Nominal Running Current	= 0.45 amps
Locked Rotor Current	= 1.00 amps
Running Power	= 22.0 watts
Average Speed	= 3600 RPM
Bearings	= Ball
Air Flow	= 240 CFM
Noise	= 52.0 dBA

Construction:

Venturi: Die-Cast Aluminum, Black
 Propeller: Polycarbonate, Black, UL 94V-0
 Mounting Holes:
 4 x M5 x 0.8 on propeller side
 4 x ø 4.37mm on struts side

Life Expectancy:

This fan is designed for continuous duty life of 80,000 hours at 40°C(L10).

Agency Approvals:

UL, CUL, CE

Additional Features:

Brushless DC Motor
 Electronic Locked Rotor Protection
 Polarity Protected
 Automatic Restart Capability
 Operating Temperature: -10°C to 70°C
 Storage Temperature: -40°C to 85°C
 Envirosield Type 2

FAN PERFORMANCE SENSOR:

Output: Open Collector
 Ic: 80 mA max.
 Vcc: 60 Vdc max.
 Ico: 1µA @ 80V
 Logic Level: High on pass, low on fail
 Isolated: No
 Latching: No
 Delay: 10 ± 4 seconds

Termination:**HARNES:**

58" ± 1", 22 AWG, UL 1007 (From the edge of the venturi to the tip of the connector)

SLEEVE TUBE:

PVC (UL or CSA approved)

Sleeve tube to extend 0.35 inch max beyond the edge of the venturi)

CONNECTOR: MOLEX 39-01-2065

CONTACTS: Molex 39-00-0059

COLOR DESIGNATION:

Pin 1: Black -Power (-)

Pin 2: Blue/White- FPS

Pin 3: Red- Return (+)

Pin 4: NOT USED

Pin 5: Thermistor lead

Pin 6: Thermistor lead

Thermal Control:

Fan will operate according to the programmed thermal profile.

Fan Speed Control Settings	
Temperature (°C)	Speed (rpm)
-40	0
15	0
15 ~ 58	1900
> 60	3600

