

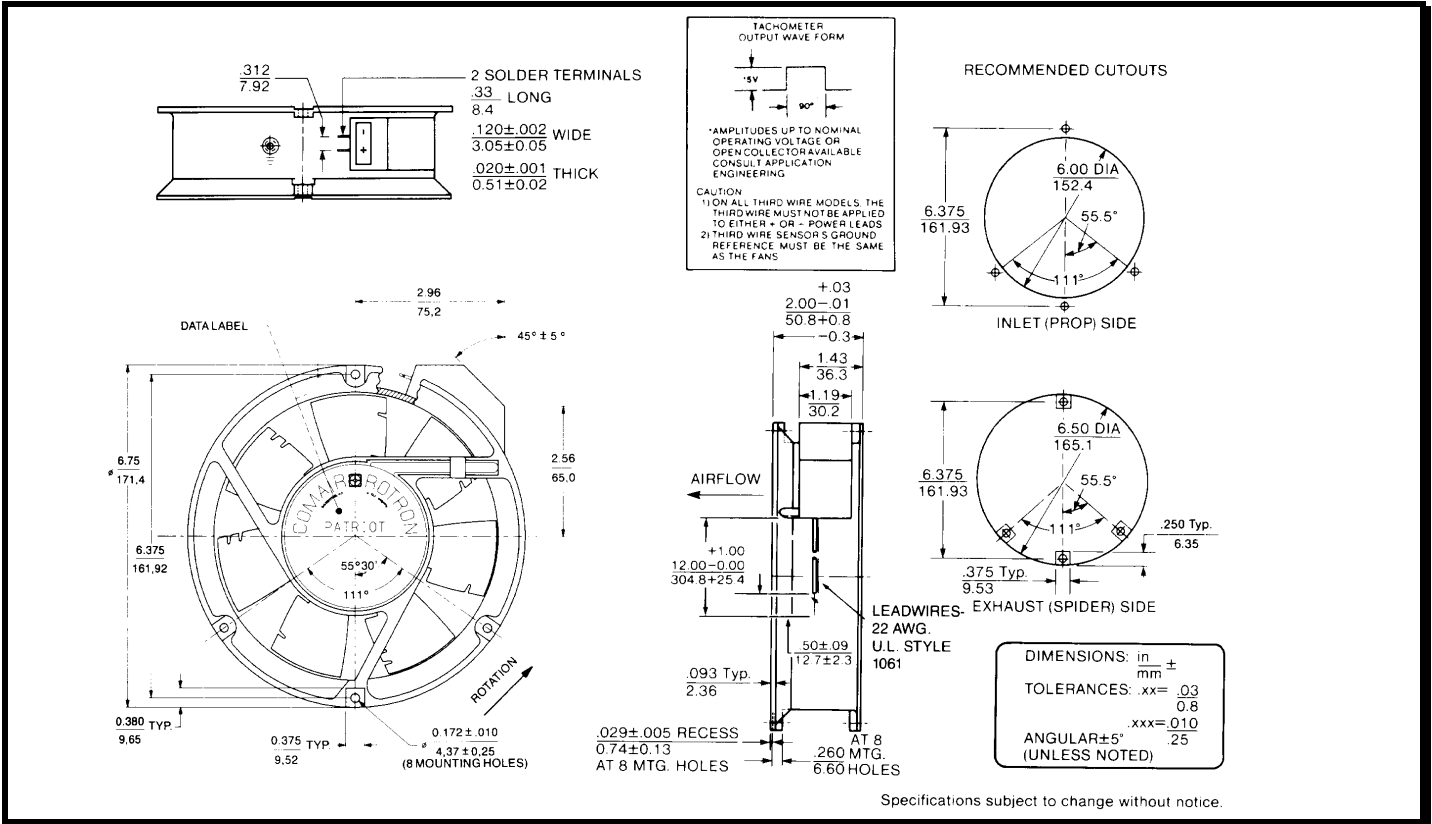
# SPECIFICATIONS



**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 ø4.37mm 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        |

