

Short Form Catalog 2005

**Tubeaxial Cooling Fans,
Radial Blowers &
Heat Sink Fans**

Featuring:

Ball Bearing Dependability

International Safety Standards

Locked Rotor and Polarity Protection

Custom Cable/Connector Assemblies

Silent Operation

purdy[®]
ELECTRONICS
CORPORATION

720 Palomar Avenue
Sunnyvale, CA 94085
Tel: 408.523.8282 Fax: 408.733.1287
Email: sales@purdyelectronics.com
www.purdyelectronics.com

- Long-life, ball bearing construction
- Locked rotor and polarity protection
- Silent operation
- Industry standard frames and mounting
- Meets or exceeds safety standards
- Custom cable/connector assemblies
- Sensor fans available (special order)



AC Fans

| Frame Size H x W x D mm (inches) | Model | Voltage (V) | Airflow (CFM) | Input Power (Watts) | Speed (RPM) | Noise Level (dBA) | Weight (Oz) | Construction | Guard Filter Cord |
|--|--|-------------|------------------|---------------------------|----------------|-------------------------|----------------|---|----------------------------------|
| 80 x 80 x 25 (3.2 x 3.2 x 1.0) | PM033-115-8025B-4 PM033-230-8025B-4 | 115 230 | 33 | 10.0 | 2700 | 33 | 6.8 | Aluminum housing, plastic impeller, sealed ball bearing 22AWG wire leads | 5508 80FP-45 5505 |
| 80 x 80 x 38 (3.2 x 3.2 x 1.5) | PM037-115-8038BT-4 PM037-230-8038BT-4 | 115 230 | 37 | 12.0 | 2700 | 39 | 10.3 | Aluminum alloy housing, plastic impeller, sealed ball bearing, terminal block | 5508 80FP-45 5505 |
| 92 x 92 x 25 (3.6 x 3.6 x 1.0) | PM040-115-9225BT-4 PM040-230-9225BT-4 | 115 230 | 40 | 12.0 | 2400 | 39 | 8.0 | Aluminum housing, plastic impeller, sealed ball bearing, terminal block | 5520 92FP-45 5505 |
| 120 x 120 x 25 (4.7 x 4.7 x 1.0) | PM053-115-1225BT-4 PM053-230-1225BT-4 | 115 230 | 53 | 13.0 | 1900 | 38 | 11.8 | Aluminum housing, plastic impeller, sealed ball bearing, terminal block | 5504 5502 120FP-45 5505 |
| | PM080-115-1225BT-4 PM080-230-1225BT-4 | 115 230 | 80 | 18.0 | 2300 2900 | 45 | 11.8 | | |
| | PM106-115-4BT-2 PM106-230-4BT-2 | 115 230 | 102 | 14.0 | 2900 | 41 | 20.0 | | |
| 120 x 120 x 38 (4.7 x 4.7 x 1.5) | PM115-115-1238BT-4 PM115-230-1238BT-4 | 115 230 | 115 | 20.0 | 3000 | 49 | 18.2 | Aluminum housing, plastic impeller, sealed ball bearing, terminal block | 5504 5502 120FP-45 5505 |
| | PM220-115-1738BT-4 PM220-230-1738BT-4 | 115 230 | 220 | 32.0 38.0 | 3100 | 52 | 31.0 | | |
| 172 x 150 x 38 (6.8 x 6.0 x 1.0) | PM238-115-1751BT-4 PM238-230-1751BT-4 | 115 230 | 238 | 32.0 38.0 | 3100 | 55 | 33.3 | Aluminum housing, plastic impeller, sealed ball bearing, terminal block | 5506 5505 |

AC Radial Blowers

| | | | | | | | | | |
|--|------------------------------|------------|----|------|------|----|------|--|-----|
| 120 x 120 x 38 (4.8 x 4.8 x 1.5) | PMB24-115-4B PMB24-230-4B | 115 230 | 24 | 20.0 | 2300 | 53 | 23.0 | Plastic housing, plastic wheel, sealed ball bearing, 20 AWG wire leads | N/A |
|--|------------------------------|------------|----|------|------|----|------|--|-----|

Accessories

| Product Type | Part Number | Fan Compatibility | Construction |
|-----------------------|-------------|-------------------|---|
| Finger Guards | 5514 | 40 mm | Nickel chrome plated wire guards, spot welded |
| | 5516 | 60 mm | |
| | 5508 | 80 mm | |
| | 5520 | 92 mm | |
| | 5504 | 120 mm | |
| | 5506 | 162 mm | |
| Filter Guards | 60FGM | 60 mm | Metal mesh filter |
| | 80FGM | 80 mm | |
| | 92FGM | 92 mm | |
| | 120FGM | 120 mm | |
| | 162FGM | 162 mm | |
| Plastic Filter Guards | 40FP-45 | 40 mm | Plastic filter and finger guard assembly (45PPI foam filter media) |
| | 60FP-45 | 60 mm | |
| | 80-FP-45 | 80 mm | |
| | 92FP-45 | 92 mm | |
| | 120FP-45 | 120 mm | |
| | 162FP-45 | 162 mm | |
| Cords | 5505 | - | 24" (straight) plug and cord for terminal block; blunt cut ends |
| | 5505-45D | - | 24" (45°) plug and cord for terminal block; blunt cut ends |

Tubeaxial Cooling & Heat Sink Fans



DC Fans (Brushless)

| Frame Size H x W x D mm (inches) | Model | Voltage (V) | Airflow (CFM) | Input Current (mA) | Input Power (Watts) | Speed (RPM) | Noise Level (dBA) | Weight (Oz) | Construction | Guard Filter Cord | | | | | |
|--|--------------------|----------------|------------------|--------------------------|---------------------------|----------------|-------------------------|----------------|---|----------------------------------|-----|------|------|-----|-----|
| 25 x 25 x 10 (1.0 x 1.0 x 0.4) | PO001-05D-1B-8 | 5 | 1.0 | 70 | 0.35 | 7700 | 22 | 0.3 | Plastic housing and impeller, sealed ball bearing, 28AWG wire leads | N/A | | | | | |
| | PO002-05D-2510B-4 | 5 | 2.0 | 80 | 0.35 | 10000 | 25 | | | | | | | | |
| | PO002-12D-2510B-4 | 12 | 2.0 | 80 | 0.96 | 10000 | 25 | | | | | | | | |
| 30 x 30 x 10 (1.2 x 1.2 x 0.4) | PO004-05D-3010B-4 | 5 | 4.1 | 70 | 0.35 | 8000 | 24 | 0.3 | Plastic housing and impeller, sealed ball bearing, 28AWG wire leads | N/A | | | | | |
| | PO004-12D-3010B-4 | 12 | | 60 | 0.72 | | | | | | | | | | |
| 30 x 30 x 12 (1.2 x 1.2 x 0.5) | PO002-12D-1B-8 | 12 | 2.8 | 60 | 0.72 | 9000 | 27 | 0.4 | Plastic housing and impeller, sealed ball bearing, 28AWG wire leads | N/A | | | | | |
| 40 x 40 x 13 (1.6 x 1.6 x 0.5) | PO006-12D-1B-2 | 12 | 6.4 | 95 | 1.5 | 6000 | 31 | 1.2 | Plastic housing and impeller, sealed ball bearing, 26AWG wire leads | 40FP-45 | | | | | |
| | PO006-24D-1B-2 | 24 | | 50 | | | | | | | | | | | |
| 40 x 40 x 20 (1.6 x 1.6 x 0.8) | PO005-12D-1B-3 | 12 | 5.0 | 150 | 1.8 | 6000 | 34 | 1.2 | Plastic housing and impeller, sealed ball bearing, 26AWG wire leads | 40FP-45 | | | | | |
| | PO005-24D-1B-3 | 24 | | 100 | | | | | | | 2.4 | | | | |
| 60 x 60 x 25 (2.4 x 2.4 x 1.0) | PO012-12D-2B-2 | 12 | 12 | 80 | 0.9 | 2750 | 23 | 2.7 | Plastic housing and impeller, sealed ball bearing, 26AWG wire leads | 5516 60FP-45 60FGM | | | | | |
| | PO012-24D-2B-2 | 24 | | 40 | | | | | | | | | | | |
| | PO019-12D-2B-2 | 12 | | 140 | | | | | | | 1.8 | 4300 | 34 | 2.7 | |
| PO019-24D-2B-2 | 24 | 80 | | | | | | | | | | | | | |
| 62 x 62 x 15 (2.5 x 2.5 x 0.6) | PO014-12D-2B-3 | 12 | 14 | 200 | 2.4 | 3700 | 30 | 1.5 | Plastic housing and impeller, sealed ball bearing, 26AWG wire leads | 5516 60FP-45 60FGM | | | | | |
| | PO014-24D-2B-3 | 24 | | 100 | | | | | | | | | | | |
| 80 x 80 x 25 (3.2 x 3.2 x 1.0) | PO025-12D-3B-2 | 12 | 27 | 80 | 1.0 | 2150 | 25 | 3.0 | Plastic housing and impeller, sealed ball bearing, 24AWG wire leads | 5508 80FP-45 80FGM | | | | | |
| | PO025-24D-3B-2 | 24 | | 40 | | | | | | | | | | | |
| | PO035-12D-3B-2 | 12 | | 200 | | | | | | | 2.4 | 2950 | 31 | 3.6 | |
| | PO035-24D-3B-2 | 24 | | 100 | | | | | | | | | | | |
| 92 x 92 x 32 (3.6 x 3.6 x 1.3) | PO053-12D-3B-2 | 12 | 53 | 280 | 3.5 | 3200 | 39 | 5.1 | Plastic housing and impeller, sealed ball bearing, 24AWG wire leads | 5520 92FP-45 92FGM | | | | | |
| | PO053-24D-3B-2 | 24 | | 140 | | | | | | | | | | | |
| 120 x 120 x 25 (4.7 x 4.7 x 1.0) | PO078-12D-4B-2 | 12 | 78 | 370 | 4.5 | 2650 | 42 | 6.4 | Plastic housing and impeller, sealed ball bearing, 24AWG wire leads | 5504 5502 120FP-45 | | | | | |
| | PO078-24D-4B-2 | 24 | | 230 | | | | | | | | | | | |
| | PM082-12D-4B | 12 | | 560 | | | | | | | 6.7 | 3200 | 45 | 9.0 | |
| PM082-24D-4B | 24 | 300 | 7.2 | 3250 | | | | | | | | | | | |
| 120 x 120 x 38 (4.7 x 4.7 x 1.5) | PO100-12D-4B-2 | 12 | 100.0 | 540 | 7.0 | 2650 | 42 | 8.8 | Plastic housing and impeller, sealed ball bearing 24AWG wire leads | 5504 5502 120FP-45 5505 | | | | | |
| | PO100-24D-4B-2 | 24 | | 320 | | | | | | | | | | | |
| | PO106-12D-4B-7 | 12 | | 108 | | | | | | | 550 | 6.6 | 2950 | 43 | 9.2 |
| | PO106-12D-4BT-7 | 12 | | 108 | | | | | | | 550 | 6.6 | 2950 | 43 | 9.2 |
| | PO117-24D-4B-2 | 24 | | 120 | | | | | | | 420 | 10.0 | 3000 | 49 | 8.8 |
| | PO117-48D-4B-2 | 48 | | | | | | | | | 210 | | | | |
| 120 x 120 x 38.5 (4.7 x 4.7 x 1.5) | PO125-12D-1238BT-2 | 12 | 125 | 440 | 10.0 | 3000 | 52 | 8.8 | Plastic housing and impeller, sealed ball bearing, 24AWG wire leads | 5504 5502 120FP-45 5505 | | | | | |
| | PO125-24D-1238BT-2 | 24 | | 140 | | | | | | | | | | | |

DC Heat Sink Fans

| | | | | | | | | | | |
|----------------------------------|---------|----|---|----|------|------|----|-----|--|-----|
| 44 x 44 x 7 (1.7 x 1.7 x 0.3) | HS05D44 | 5 | - | 90 | 0.45 | 8000 | 26 | 0.6 | Aluminum alloy housing, plastic impeller, ball bearing, 28AWG wire leads | N/A |
| | HS12D44 | 12 | | 60 | 0.72 | | 30 | | | |

DC Radial Blowers

| | | | | | | | | | | |
|-------------------------------------|-------------------|----------------|----|-----|-----|------|----|-----|---|-----|
| 97 x 95 x 33 (3.88 x 3.8 x 1.32) | POB17-12D-9733B-2 | 12 | 18 | 330 | 3.7 | 2450 | 44 | 3.8 | Plastic housing and impeller, sealed ball bearing, 24AWG wire leads | N/A |
| | POB17-24D-9733B-2 | 24 | | 165 | | | | | | |
| 127 x 126 x 39 (5.0 x 5.0 x 1.5) | POB27-12D-5B-2 | 12 | 27 | 700 | 8.0 | 2250 | 47 | 9.4 | Plastic housing and impeller, sealed ball bearing, 24AWG wire leads | N/A |
| | | POB27-24D-5B-2 | | 24 | | | | | | |

Purdy Electronics

The Design Engineer's Source for High Quality Component Solutions

The mission of Purdy Electronics Corporation is to provide our original equipment manufacturer (OEM) customers with the highest quality electronic components at competitive prices, supported with superior customer and technical service and value added enhancements.

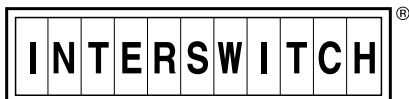
Purdy Electronics has been providing electronic components to OEMs for over 75 years. We specialize in manufacturing a limited number of product lines including:



Fans and Blowers



Light Emitting Diodes



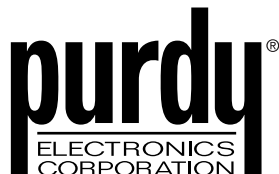
Rotary and Thumbwheel Switches



Fiber Optic Components and
Cable Assemblies



Liquid Crystal Display Products



720 Palomar Avenue
Sunnyvale, CA 94085
Tel: 408.523.8282 Fax: 408.733.1287
Email: sales@purdyelectronics.com
www.purdyelectronics.com