

# Short Form Catalog 2010

**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**<sup>®</sup>  
ELECTRONICS  
CORPORATION

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- 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
<b>80 x 80 x 25</b> (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
<b>80 x 80 x 38</b> (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
<b>92 x 92 x 25</b> (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
<b>120 x 120 x 25</b> (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
	PM080-115-1225BT-4 PM080-230-1225BT-4	115 230	80	18.0	2300 2900	45	11.8		120FP-45 5505
<b>120 x 120 x 38</b> (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
<b>172 x 150 x 38</b> (6.8 x 6.0 x 1.0)	PM220-115-1738BT-4 PM220-230-1738BT-4	115 230	220	32.0 38.0	3100	52	31.0	Aluminum housing, plastic impeller, sealed ball bearing, terminal block	5506 5505
<b>172 x 150 x 51</b> (6.8 x 6.0 x 2.0)	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

<b>120 x 120 x 38</b> (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
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## 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)	PO002-05D-2510B-4	5	2.0	80	0.35	10000	25	0.3	Plastic housing and impeller, sealed ball bearing, 28AWG wire leads	N/A
	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					
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						
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						
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						
PO035-24D-3B-2	24	100								
	PO042-12D-3B-2	12	42	160	2.4	3500	37	3.0		
	PO042-24D-3B-2	24		100						
92 x 92 x 25 (3.6 x 3.6 x 1.0)	PO045-12D-9225B-4T	12	45	170	2.4	2400	32	3.6	Plastic housing and impeller, sealed ball bearing, 24AWG wire leads with third wire option tachometer	5520 92FP-45 92FGM
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
	PM082-12D-4B	12	82	560	6.7	3200	45	9.0	Die cast aluminum housing, plastic impeller, sealed ball bearing, 24AWG wire leads	
	PM082-24D-4B	24		300						
120 x 120 x 38 (4.7 x 4.7 x 1.5)	PO106-12D-4BT-7	12	108	550	6.6	2950	43	9.2	Plastic housing and impeller, sealed ball bearing 24AWG wire leads	5504 5502 120FP-45 5505
120 x 120 x 38.5 (4.7 x 4.7 x 1.5)	PO125-12D-1238B-2	12	125	710	10.0	3000	52	8.8	Plastic housing and impeller, sealed ball bearing, 24AWG wire leads	5504 5502 120FP-45 5505
	PO125-24D-1238B-2	24		370						
	PO125-48D-1238B-2	48		210						

## DC Heat Sink Fans

45 x 45 x 8 (1.7 x 1.7 x 0.3)	HS-05D-4508S-4	5	-	90	0.45	8000	24	0.6	Aluminum alloy housing, plastic impeller, ball bearing, 28AWG wire leads	N/A
	HS-12D-4508S-4	12		60						

## 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.

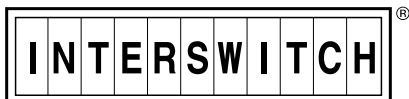
Purdy Electronics has been providing electronic components to OEMs for over 75 years. We specialize in manufacturing a limited number of product lines including:



Fans and Blowers



Light Emitting Diodes



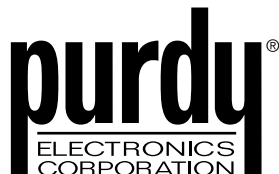
Rotary and Thumbwheel Switches



Fiber Optic Components and  
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Liquid Crystal Display Products



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