



Power Miser Fan Series

# Direct Drive Fans for Performance Second to None.

Built for Life. Built to Last.

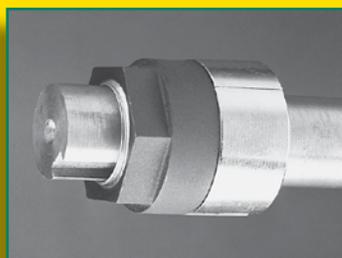
Engineered for a unique combination of aerodynamic detailing with high efficiency, long-life and worry-free performance

## 12" to 24" Power Miser Direct Drive Fans

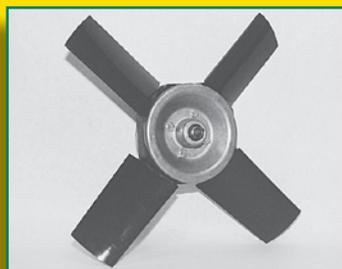
### Features:

- Matching blades and energy-efficient motors provide maximum CFM/watt of electrical power
- Unique four-point stainless steel motor mount design provides minimum air restriction and vibration-free performance
- Custom 230 volt PSC motors with 2 or 3 wire variable speed control option
- Corrosion-resistant molded fiberglass construction
- Poly discharge cones for ultimate performance
- Sloped housing design sheds moisture
- Powder coated guard screens
- PVC shutters are impact resistant, self-sealing with extruded PVC frames
- Optional winter doors on most models
- Optional white or black colors on PVC louvers (Ask about the Sable™ Fan for black interior housing.)

Our ventilation experts can assist with retrofitting an existing or designing a new facility for maximum efficiency.



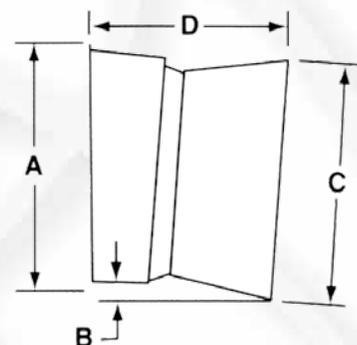
TranTorque Fitting locks tight on motor shaft, no set screws to loosen and allows easy change-out of blade and motor



Composite Blades offer multi-wing design, cast aluminum hub and individual replacement blades

### Dimensions for Power Miser Fans

	PM-12"	PM-16"	PM-21"	PM-24"
"A"	22.75"	27.25"	31"	33"
"B"	4.75"	5.5"	5.5"	5.5"
"C"	18.5"	24"	28.75"	32"
"D"	32"	34"	35"	38"
Rough Opening	18.5"x 18.5"	23"x 23"	26.5"x 26.5"	29"x 29"



### CFM vs. Static Pressure (Inches WC)

Model	Blade	HP	Voltage	HZ	Phase	0		.05		.10		.15		BESS #
						CFM	Cfm/Watt	CFM	Cfm/Watt	CFM	Cfm/Watt	CFM	Cfm/Watt	
PM12W140MPA	Composite	1/4	230	60	1	1910	9.3	1810	8.8	1720	8.4	1600	7.5	18067
PM16W140MPA	Composite	1/4	230	60	1	3050	12.6	2940	11.9	2790	10.9	2620	10.0	18071
PM21W190LPA	Composite	1/2	230	60	1	5550	14.0	5350	13.1	5170	12.4	4960	11.6	95325
PM24W210MPA	Composite	1/2	230	60	1	6480	14.1	6120	13.2	5710	12.4	5230	11.4	18069

Note: Bess Labs website is [www.bess.uiuc.edu](http://www.bess.uiuc.edu) / Add -BW to the 16", 21" or 24" models to make it a Sable Fan.

Call your local VAL-CO representative or distributor for more information on this and other fine quality products.

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