



Welcome to the next generation of ventilation!

PANEL FANS

VES Environmental Solutions, LLC. **Panel Fan** is the first 52" panel fan designed specifically for the dairy industry. After years of research and development we introduce a fan that is focused on cow comfort, energy efficiency along with easy installation and low maintenance. The injection cast aluminum or heavy gauge galvanized airfoil designed blades create optimum air throw for high velocity cooling. Extremely energy efficient motors power the blades while using the minimum amount of electricity. Our deep drawn venturi is made of heavy galvanized steel for strength.

FEATURES & BENEFITS

- **52" Fan BESS LAB Certified**
- High velocity air pattern transfers the electrical energy from the motor into a concentrated powerful air stream. Creating optimum cow cooling, insect control, drying of the bedding under the cow and improved employee comfort.
- Cooler cows have better feed and water to milk conversions, along with a higher fertility rate during hot summer days. (Although some heat stressed cows never recover their potential for milk production)
- Exchanges air in open and curtain sided buildings.
- Reduced energy cost when compared to low efficiency panel and basket fans.
- Quiet operation.
- Balanced Cast Aluminum blades strong enough to stand up to flying barn birds. Also available in balanced galvanized blades.
- Energy efficient and maintenance free 1 HP motor available in single and three phase dual voltage.
- 3 year motor warranty
- Deep drawn heavy gauge venture panel.
- Balanced pulley and belt combination.
- Automatic belt tensioner.
- Optional wall mount allows the fan to pivot horizontally and vertically.



MOTOR FEATURES

- CSA/CSA-US approved
- 50/60 hz
- F Class insulated
- Follow Nema standards either 48 or 56 frame
- Dupont Nomex insulation
- Rotors have been balanced to reduce noise vibration and prolong life
- Motor enclosures have been machined to <0.5mm to reduce rotor shaft play
- Motors have been CSA/CSA-US for an ambient temp of 40° C but will stand up to 65 degree C (149° F)
- Copper Windings rated at H Class.
- Bearing Specifications - -40° C to 140° C
- Capacitor rating 450vac, 10,000 hours for extended life
- Silicon steel rotors and stators.



BESS LAB Certified Data

Test #	Model	Style	Size	Guard	Thrust (lbf)	Input Power (kW)	Thrust Efficiency Ratio (lbf/kW)	5D Centerline Velocity (fpm)
c09198	PF52CA3P	Panel	52"	N	20.9	0.897	23.3	860

Part#	Size	Drive	HP	Spd	Volt	Ph	Amps	RPM	HZ	Thermal Overload Protection	*Average FPM velocity on accumulative fan placement					Noise DB	Blade	
											CFM	*FPM Watt	25'	*FPM 50'	*FPM 75'			*FPM 100'
PF52CA	52"	BD	1	1	230	1	6.8	480	60	Yes	32500	30	800-900	600-700	450-550	300-400	78	3-CA
*PF52CA3	52"	BD	1	1	230/460	3	3.4/1.7	480	60	Yes	32500	30	800-900	600-700	450-550	300-400	78	3-CA
Options		Description																
PF52PMB		52" Pipe Mount Bracket 1.9" Complete with 3 Clamps and Hardware																



Contact us for our complete line of ventilation products including exhaust fans, temperature controls, lighting, curtain inlet and walls, cooling, polycarbonate panels, gates, headlocks, stalls, steel and rubber flooring.

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