

# CYCLONE FANS

AGRICULTURAL

## PRODUCT HIGHLIGHTS

### FEATURES

- Can reduce heating and cooling cost up to 50%
- Directional air flow deflectors
- Corrosion resistant fiberglass housing
- Heavy-duty pulley and bearing assembly
- Maintenance free motor
- Shipped fully assembled, except for deflectors
- Precision balanced heavy-duty corrosion-resistant 6-paddle aluminium blade
- 2 year warranty on motor, limited lifetime warranty on fiberglass housing and 1 year limited warranty on all other parts



The Cyclone Fan from VES is the fan of choice for world class Dairy producers like Steve Maddox of California, Phil Davies of Wales, Lee Jensen of Wisconsin and hundreds more worldwide. How does the Cyclone Fan work? When running on high speed it creates a high speed wave of air directed over the cows and across the floor. Unlike traditional panel and basket fans, the Cyclone Fan produces a cooling wave of fresh air that surrounds the cow reducing heat stress which increased laying time and keeps bedding dryer. This greatly reduces SCC, mastitis and eliminates insects. There is only one Cyclone Fan that is guaranteed to outperform all copycats in ECVAir™ (Effective Cooling Velocity Technology) and energy efficiency.

### HIGH PERFORMANCE AND INNOVATIVE DESIGN

- Transfer electrical energy into air energy in a focused air pattern creating a wave of fresh air.
- Heavy galvanized motor mount straightens the air as it is propelled through the venturi and throws the air efficiently over the adjustable deflectors to optimize air throw distance and engineered direction.
- Performance enhancing fiberglass intake cone.
- Precision balanced 72" heavy duty corrosion resistant 6 paddle aluminium blades.
- De-stratifies air on low speed covering over 15,000 square feet with minimal amounts of power.
- Optional Variable Frequency Drive (VFD) allows a smooth speed adjustment from 300 RPM down to 50 RPM. Fan power consumption reduces with speed.
- Extremely quiet operation on all speeds.



**Environmental  
Solutions, LLC.**  
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# CYCLONE FANS

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## APPLICATIONS

- In dairy barn applications our fans create extreme air velocity for cow cooling, insect control, drying of bedding and employee comfort. Our unique air deflectors direct the air over and under the cows better than traditional fans. Basket fans and panel fans create a swirling air pattern and only a small percentage of the air reaches a cow lying down, leaving the majority of the air and electrical cost wasted. The Cyclone Fan creates an efficient linear wave of air that is directed over the cows while they are standing and lying. Based on ECVAir™ Technology (Effective cooling velocity) while the cows are lying down, the Cyclone fan is more than twice as effective and efficient than traditional panel and basket fans. With the optional Variable Frequency Drive (VFD) you can adjust the fan speed to meet your exact internal environmental requirements for 365 days of the year. On low speed you have an ideal winter fan for re-circulating air throughout the building, reducing humidity and recapturing trapped heat at the ceiling.
- In industrial applications our air pattern covers over 15,000 square feet of floor area and can be used on high ceilings up to 40'. Our fans positioned over shipping doors can create an air curtain to keep cold air out in the winter and hot air out in the summer. Unlike traditional ceiling fans that slowly push air in a 360 degree radius, the Cyclone Fan can direct the air pattern where you need it most. Run our fans on high speed to efficiently cool employees and machinery during hot conditions.
- Ideal for large turkey or hog buildings, greenhouses, factories, warehouses, processing plants and stadiums.

Part#	Size	Drive	HP	Voltage	PH	AMP	RPM	Watts Used	Speed
CYC501230	50"	BD	1 - 1.5	230	1	6.8	525	1050	Single
CYC503230460	50"	BD	1.5	230/460	3	4.3/2.12	525	1050	Variable
CYC721230	72"	BD	3	230	1	15.5	322	2200	Single
CYC723230460	72"	BD	3	230/460	3	8.2/4.1	322	2200	Variable

**\*VES continues to strive for the most accurate test data available. As additional independent accredited lab results become available we may need to revise information stated above.**