

# 50" AND 72" CYCLONE FAN



**VES Environmental Solutions, LLC.** is North America's most innovative environmental company. Our components are designed to cover all aspects of a good ventilation system. One of our most versatile products is the **50" and 72" CYCLONE** variable horizontal ventilator. This high efficiency variable speed drive fan is a one of a kind in the world today. The 72" heavy aluminium 6 paddle blade produces in excess of **80,000 CFM** of air movement while using only 2.2 KW of power on high speed and 300 watts on low. Traditional ceiling fans from 56" to 24' slowly push the hot air from the ceiling down to the floor. The **72" CYCLONE** can do this on low speed and then it does something wonderful as the speed increases, it creates air velocity for maximum air throw and cooling (something other large ceiling fans cannot do).

## NEW 50"!



### HIGH PERFORMANCE AND INNOVATIVE DESIGN

- Adjustable airfoil deflectors optimize air throw distance and direction.
- Transfer electrical energy into air energy in a focused air pattern.
- Performance enhancing intake fiberglass cone.
- Balanced 72" heavy duty corrosion resistant 6 paddle aluminium blades.
- **80,000 CFM at high speed including entrained air and 36 CFM/Watt.**
- De-stratifies air on low speed covering over 15,000 square feet while only using 300 watts of power.
- High speed creates 1200 FPM of velocity under the fan and 300 FPM at a distance of 75 feet on both discharge sides for a total of 5,250 feet of cooling area.
- Optional variable frequency drive allows you a smooth speed adjustment from 300 RPM down to 50 RPM. Fan power consumption reduces with speed.
- Heavy galvanized motor mount straightens the air as it is propelled through the venturi and throws the air efficiently over the airfoil deflectors.
- Extremely quiet operation on all speeds.



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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Optional VFD Control only available with 72" fan.

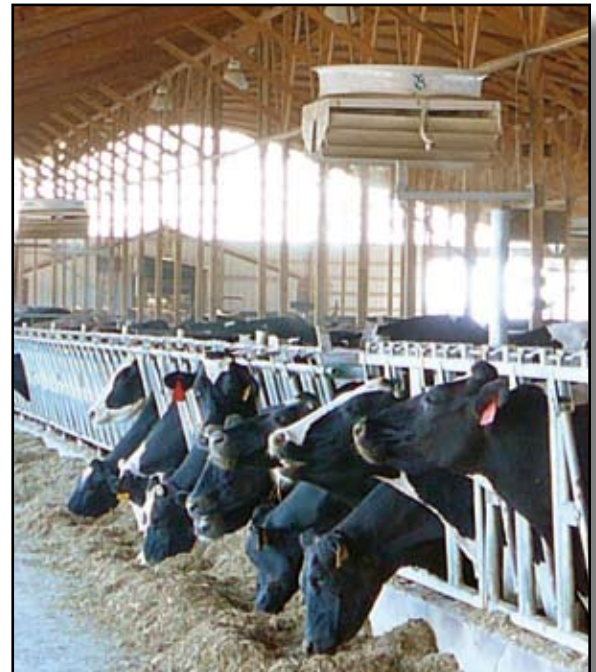


## FEATURES

- Corrosion resistant fiberglass housing.
- Heavy duty pulley and bearing assembly.
- Maintenance free motor.
- Quick change belt.
- Can be mounted on steel post, building column or suspended from the ceiling (all optional mounts).
- Optional variable frequency drive.
- 6 directional air flow deflectors.
- Balanced heavy duty corrosion resistant 6 paddle aluminium blade.
- Shipped fully assembled, except for air foil deflectors
- Can reduce heating and cooling cost up to 50%.

## APPLICATIONS

- In dairy barns our fans create extreme air velocity for cow cooling, insect control, drying of bedding and employee comfort. Our unique air foil deflectors direct the air over and under the cows better than any other fan. One of our fans can replace up to 4 large single speed panel fans or 8-36" basket fans and uses 1/2 the power. With the optional variable speed frequency drive you can adjust the fan performance to meet your 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 and uses an extremely low 300 watts of power.
- 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 can direct the air pattern where you need it the 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.**



## TECHNICAL SPECIFICATIONS

- 72" Motor is 3 HP or 2.2KW on high and .3KW on low 230/460 VAC, AMP 8.2/4.1.
- 50" Motor is 1 HP or 1050 watts on high and 300 watts on low.
- Optional variable frequency drive.
- Call VES for a recommended design layout.

Part#	Size	Drive	HP	Volt	PH	AMP	RPM	Watts Used	CFM	CFM/ WATT	Speed	Weight/ lbs
CYC50230	50"	BD	1	230	1	6.8	525	1050	36000	34	Single	200
CYC50230460	50"	BD	1	230/460	3	3.4/1.7	525	1050	36000	34	Single	200
CYC72230	72"	BD	3	230	1	13.0	322	2200	80000	36	Variable	375
CYC72230460	72"	BD	3	230/460	3	8.2/4.1	322	2200	80000	36	Variable	375

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