ENVIRA-NORTH
SYSTEMS LIMITED

Cow Cooling

Dairy & Beef

Altra-Air Sailfin

Now Is The Best Time To Purchase & Install Altra-Air Sailfin HVLS Fans

THE BENEFITS OF SAILFIN IN DAIRY/BEEF FACILITIES

- Keeps cool air moving in the entire facility
- Higher average wind speeds than traditional cooling fans
- Reduce cow crowding
- Increase milk production
- Reduce heat stress
- Minimizes the impact of heat on your cows' fertility
- Automatic controls will allow the fan to only operate when necessary reducing energy costs
- Ceiling mounted out of the way of moving equipment
- Low power consumption for CFM delivery and velocity
- No drive belts or belt tighteners to maintain
- Electrical controls of the HVLS fans, can be located in one central lockable location
- Moving air reduces birds and flies in the facility
- Less wiring and labour required to install HVLS fans over traditional cooling fans

TECHNICAL SPECIFICATIONS

- Fans range from 12 ft to 24 ft (3.7 m to 7.3 m) in diameter
- Capable of moving nearly 315,000 cfm (148,000 l/s)
- Up to 5.65 mph (9.09 km/h) wind gusts
- Up to 212 cfm / watt
- Operates on 1 to 2 hp (0.75 kw to 1.5 kw)
- Creates a non-disruptive airflow
- CSA and CE certified

SAVE ON ENERGY™
POWER WHAT'S NEXT

Savings Up To
$4820
Per Installed Fan

Limited Time Offer.
Ask Us How to Apply!

Ready To Save? Contact Us Today!
(519) 527-2198
enviranorth.com

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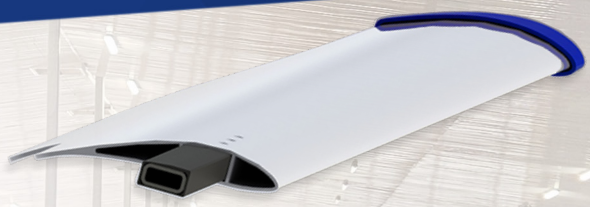


OUR BLADE ADVANTAGE

- Offering stall angles as high as 23°
- Always stalling gradually
- Eliminating span-wise pumping; the primary cause of efficiency loss in all rotating systems
- Eliminating tip stalling; the primary cause of blade noise and damaging vibration
- Lowering noise by offering hyper-stability which also lowers vibrations which cause wear and tear on the blades and drive train
- We are proud to acknowledge that no other blade can match our blade design when it comes to generating substantially greater lift while reducing drag

AIR SPEEDS OF ALTRA-AIR SAILFIN FANS

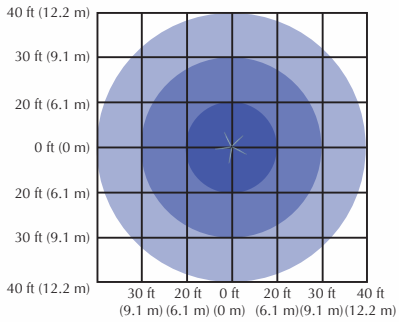
AIR SPEEDS								
	12′ (3.7 m)		16′ (4.9 m)		20′ (6.1 m)		24′ (7.3 m)	
	Full Speed (60 Hz)	Half Speed (30 Hz)	Full Speed (60 Hz)	Half Speed (30 Hz)	Full Speed (60 Hz)	Half Speed (30 Hz)	Full Speed (60 Hz)	Half Speed (30 Hz)
Area A	4.17 mph 6.71 km/h	1.68 mph 2.71 km/h	3.41 mph 5.49 km/h	0.60 mph 0.97 km/h	4.56 mph 7.33 km/h	0.83 mph 1.33 km/h	5.65 mph 9.09 km/h	1.61 mph 3.38 km/h
Area B	1.90 mph 3.05 km/h	0.60 mph 0.97 km/h	2.66 mph 4.28 km/h	0.00 mph 0.00 km/h	2.58 mph 4.15 km/h	0.35 mph 0.57 km/h	3.47 mph 5.58 km/h	1.23 mph 1.97 km/h
Area C	0.60 mph 0.97 km/h	0.00 mph 0.00 km/h	1.40 mph 2.25 km/h	0.00 mph 0.00 km/h	1.12 mph 1.81 km/h	0.00 mph 0.00 km/h	1.35 mph 2.18 km/h	0.00 mph 0.00 km/h
Maximum Volume	70,424 CFM		127,033 CFM		176,200 CFM		315,026 CFM	

Area A - 20 ft (6.1 m) from centre of fan

Area B - 30 ft (9.1 m) from centre of fan

Area C - 40 ft (12.2 m) from centre of fan

Testing is based on a blade height of 16 ft (from concrete floor to bottom of hub).
All above data was recorded using a standard anemometer 1ft off the floor at the distances shown.
Specifications may vary due to electrical and environmental conditions.
Specifications subject to change without notice.



CONTROL OPTIONS

SmartAIR Fan Control

- Automated Fan Control for Single or up to 10 Fans
- Continually Measures Temperature & Humidity, Adjusting Fan Speed
- Plug-and-Play Installation

TouchAIR Fan Control

- Automated Fan Control for up to 65 Fans
- CAT-5 Daisy Chain Connections
- Intuitive Operation
- Remote Diagnostics

WIND SENSOR

- For Use With Outdoor and Open Sidewall Applications
- Automatically Turns Off During High Winds
- Compact Design

TEMPERATURE SENSOR

- Uses a Modulation-Band to Automate Fan Speed
- Fans Turn on at Minimum Temperature Set Point

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