AirVolution D3

Medium to Large Spaces

The AirVolution-D3 is ideally suited for medium to large spaces such as car dealerships, manufacturing facilities, and distributiuon warehouses. Designed to be our most cost-effective HVLS fan, this model incorporates the primary benefits of our gearless technology. It features the highest efficiency motor available, reduced weight, less noise and no maintenance. When high performance, best value and budget are critical factors, the AirVolution-D3 delivers the best ROI of any HVLS fan on the market today.

Key Specs

- Airfoil sizes 10 to 24 ft. integrate into any medium to large space
- Airfoils also available in black and other customizable colors
- Custom powder coat paint colors available as well
- Customizable upgrade options
- No gearbox means quiet operation and no maintenance
- Integrates into HVAC and other automated building systems via gateway
- Wash Down Duty rated for indoor/outdoor use (IP65)
- Backed by a 50,000-hour-warranty

**Compared to the leading competitor's similar model*

Touchscreen Remote

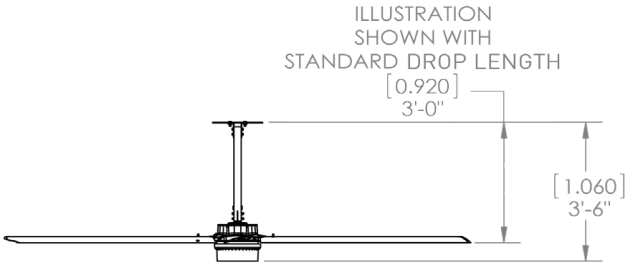
- 20 speed settings
- Forward and reverse
- Integrated warranty hour counter

Warranty

Standard 50,000-hour non-prorated warranty on parts and components plus a 3-year warranty on labor

Mounting Dimensions

Illustration shown with standard extension



Basic Specifications

Airfoil Diameter	10ft	12ft	14ft	16ft	18ft	20ft	24ft
Airfoil I Blade	Extruded Anodized Aluminum Airfoils I 7.375" Blade Width						
Number of Airfoils	3	3	3	3	3	3	3

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PERFORMANCE	10 ft	12 ft	14 ft	16 ft	18 ft	20 ft	24 ft
Max Displacement Forward*	70,000 CFM	84,000 CFM	117,000 CFM	125,000 CFM	166,000 CFM	211,000 CFM	248,000 CFM
Max Displacement Reverse*	43,000 CFM	59,000 CFM	87,000 CFM	111,000 CFM	134,000 CFM	156,000 CFM	175,000 CFM
Variable Speed	0 - 166 RPM	0 - 135 RPM	0 - 118 RPM	0 - 91 RPM	0 - 87 RPM	0 - 81 RPM	0 - 63 RPM
Max Power Usage	480 W	510 W	590 W	430 W	610 W	780 W	810 W
Recommended Industry Spacing**	55 ft	60 ft	70 ft	75 ft	80 ft	90 ft	95 ft
Max Affected Area***	5,200 ft^2	6,700 ft^2	8,900 ft^2	9,600 ft^2	12,600 ft^2	15,400 ft^2	17,000 ft^2
Sound Level dBA at 100% Speed ****	56	55	54	52	52	54	51

WEIGHTS							
Hanging Weight	129 lbs	133 lbs	137 lbs	141 lbs	145 lbs	149 lbs	162 lbs

MOTOR AND DRIVE TRAIN	
Motor Type	Gearless Direct Drive
Equivalent Horsepower Rating	1.05 HP
Max Operating Temp	122º F [50º C]

MAX AMP DRAW / RECOMMENDED FUSE							
208-240 VAC 1-Phase	3.5 A / 5	3.7 A / 5	4.3 A / 5	3.2 A / 5	4.5 A / 5	5.7 A / 10	6.0 A / 10
208-240 VAC 3-Phase	2.5 A / 5	2.6 A / 5	2.9 A / 5	2.4 A / 5	3.0 A / 5	3.6 A / 5	3.8 A / 5
460-480 VAC 3-Phase	1.1 A / 5	1A / 5	1.3A / 5	1A / 5	1.3A / 5	1.8A / 5	1.7A / 5

POWER AND CONTROLS	
Power Source High	3-Phase 480 VAC +/- 5%, 50/60 Hz
Power Source Low	1-Phase or 3-Phase [208-240] VAC +/- 5%, 50/60 Hz
Control Options	Digital Touchpad, MacroAir Controller 6 and 30, AirLynk – BacNet/LonWorks

INSTALLATION	
Mounting Hardware	Standard Mount, UMH Optional (Guy Wires Included)
Drop Length	In addition to the standard drop length supplied, optional drop lengths are available in 1 inch increments. All drop lengths require guy wires

RATINGS AND COMPLIANCE	
Fire and Sprinkler	NFPA Compliant
Wash Down Duty Rating	IP65
Certifications	UL 507*****, CE

* Calculation based on AMCA 230-99 equation.
** Delivers 2.8 - 4.2 ft/s of average air speed in the occupied space. This relates to perceived cooling or set point change or 4.9-6.1º F. Consult EnergyLogic LLC for more details.
*** Delivers 2.7 - 3.8 ft/s of average air speed in the occupied space. This relates to perceived cooling or set point change or 4.8-5.8º F. Consult EnergyLogic LLC for more details.
**** Sound testing taken with sensor 5 ft above the ground and 20 ft from the center of the fan at 20 ft high.
***** The 460 – 480 volt AVD3 is not UL Certified.

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