AirVolution D3

First Choice Auto Equipment Inc.
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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 12 to 24 ft. integrate into any medium to large space
- Airfoils also available in black (for nominal fee)
- 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 50,0000-hour-warranty

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

Touchscreen Remote:

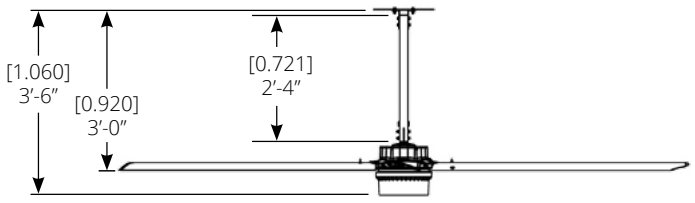
- 20 speed settings
- Forward and reverse
- Integrated warranty hour counter

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	12ft	14ft	16ft	18ft	20ft	24ft
Model Number	MA12XL4303	MA14XL4303	MA16XL4303	MA18XL4303	MA20XL4303	MA24XL4303
Airfoil | Blade	Extruded Anondized Aluminum Airfoils | 7.375" Blade Width					
Number of Airfoils	3	3	3	3	3	3

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PERFORMANCE	12 ft	14 ft	16 ft	18 ft	20 ft	24 ft
Max Displacement Forward**	84,000 CFM	117,000 CFM	125,000 CFM	166,000 CFM	211,000 CFM	248,000 CFM
Max Thrust Forward	20 lbf	29 lbf	25 lbf	35 lbf	46 lbf	44 lbf
Max Displacement Reverse**	59,000 CFM	87,000 CFM	111,000 CFM	134,000 CFM	156,000 CFM	175,000 CFM
Max Thrust Reverse	10 lbf	16 lbf	20 lbf	23 lbf	25 lbf	22 lbf
Variable Speed	0 - 135 RPM	0 - 118 RPM	0 - 91 RPM	0 - 87 RPM	0 - 81 RPM	0 - 63 RPM
Max Power Usage	510 W	590 W	430 W	610 W	780 W	810 W
Drive & Motor Efficiency at Max RPM***	75%	75%	74%	72%	70%	57%
Recommended Industry Spacing****	60 ft	70 ft	75 ft	80 ft	90 ft	95 ft
Max Affected Area*****	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 50% Speed******	40	37	34	39	39	45
Sound Level dBA at 100% Speed ******	55	54	52	52	54	51

WEIGHTS AND DIMENSIONS						
Hanging Weight	95 lbs	99 lbs	103 lbs	108 lbs	112 lbs	121 lbs
Total Shipping Weight	185 lbs	196 lbs	200 lbs	210 lbs	217 lbs	236 lbs
Motor System Shipping Weight	137 lbs	137 lbs	137 lbs	137 lbs	137 lbs	137 lbs
Motor System Shipping Dimensions	29 x 30 x 24 in	29 x 30 x 24 in	29 x 30 x 24 in	29 x 30 x 24 in	29 x 30 x 24 in	29 x 30 x 24 in
Blade Shipping Weight	48 lbs	59 lbs	63 lbs	73 lbs	80 lbs	99 lbs
Blade Shipping Dimensions	72 x 25 x 15 in	96 x 25 x 15 in	96 x 25 x 15 in	108 x 25 x 15 in	120 x 25 x 15 in	144 x 25 x 15 in

MOTOR AND DRIVE TRAIN	
Motor Type	Brushless, Permanent Magnet, Transverse Flux DC Motor
Drive Train	Gearless Direct Drive
Motor Torque Rating	51.6 ft lb [70 Nm] Continuous
Equivalent Horsepower Rating	1.05 HP
Max Operating Temp	122° F [50° C]

MAX AMP DRAW / RECOMMENDED FUSE						
208-240 VAC 1-Phase	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	2.6 A / 5	2.9 A / 5	2.4 A / 5	3.0 A / 5	3.6 A / 5	3.8 A / 5

POWER AND CONTROLS	
Power Source Low	1-Phase or 3-Phase [208-240] VAC +/- 5%, 50/60 Hz
Offered Controllers	Digital Touchpad Standard, Analog Remote Optional (only w/ 12 yr Pro-Rated Warranty), MacroAir Controller 6 and 30
Control Types	Digital MODBUS 485

INSTALLATION	
Mounting Hardware	Standard Mount, UMH Optional (Guy Wires Included)
Drop Extensions	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

* Data will be added when additional testing and/or information is ready.
** Calculation based on AMCA 230-99 equation.
*** Determined by dividing the mechanical power output of the motor by the electrical input to the system.
**** 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 4.9-6.1° 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 4.8-5.8° 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.