



Medium to Large Spaces

The AirVolution-D3 is ideally suited for medium to large spaces such as car dealerships, manufacturing facilities, and distribution 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 – 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.
- Backed by a 50,000-hour-warranty.

Touchscreen Remote



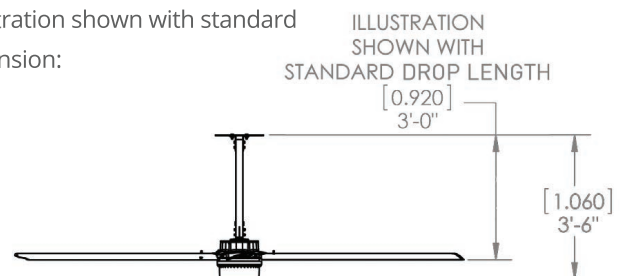
- 20 speed settings
- Forward and reverse
- Integrated warranty hour counter

Warranty

Standard 50,000-hour non-prorated warranty on parts and components. Plus a 1-year warranty on labor.

Mounting Dimensions

Illustration shown with standard extension:



Basic Specifications

Airfoil (Blade) Diameter	10 ft.	12 ft.	14 ft.	16 ft.	18 ft.	20 ft.	24 ft.
Airfoil Style	7.375 inch Extruded Anodized Aluminum Airfoils						
Number of Airfoils	3						
Performance							
Max Speed	166 RPM	135 RPM	118 RPM	91 RPM	87 RPM	81 RPM	63 RPM
Recommended Spacing *	55 ft.	60 ft.	70 ft.	75 ft.	80 ft.	90 ft.	95 ft.
Sound Level dBA at Max Speed **	56	55	54	52	52	54	51
Hanging Requirements							
Hanging Weight	129 lbs	133 lbs	137 lbs	141 lbs	145 lbs	149 lbs	162 lbs
Max Torque	16 lbf/ft	22 lbf/ft	29 lbf/ft	32 lbf/ft	42 lbf/ft	53 lbf/ft	53 lbf/ft
Max Thrust in Reverse	7 lbs	10 lbs	13 lbs	15 lbs	19 lbs	22 lbs	20 lbs
Motor and Drive Train							
Motor Type	Gearless Direct Drive						
Equivalent Horsepower Rating	1.05 HP						
Operating Temp Range	16°F (-10°C) – 140°F (60°C)						
Max Amp Draw / Recommended Fuse							
208-240 VAC 1-Phase	3.5A / 5	3.7A / 5	4.3A / 5	3.2A / 5	4.5A / 5	5.7A / 10	6A / 10
208-240 VAC 3-Phase	2.5A / 5	2.6A / 5	2.9A / 5	2.4A / 5	3A / 5	3.6A / 5	3.8A / 5
480 VAC 3-Phase	1.1A / 5	1A / 5	1.3A / 5	1A / 5	1.3A / 5	1.8A / 5	1.7A / 5
Power & Controls							
Power Source High	Three Phase (380-480) VAC +/-5%, 50/60 Hz						
Power Source Low	Single Phase or Three Phase (208-240) VAC +/-5%, 50/60 Hz						
Control Options	Digital Touchpad Standard, MacroAir Controller 4, 10, 20, 30, AirLynk – BacNet/LonWorks						
Installation							
Mounting Hardware	Fixed Angle Mount						
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 & Compliance							
Fire and Sprinkler	NFPA Compliant						
Outdoor Rating ***	Rated for outdoor use.						

* For spacing between fan units based on dimensions of a specific space, please refer to <https://macroairfans.com/arviz>.

** Sound testing taken with sensor 5 ft above the ground and 20 ft from the center of the fan at 20 ft high.

*** Applicable to the fan unit only, does not include controller & accessories.