

AirVolution-D 780

HVLS Fans by
MacroAir
engineers of air™



Extra-Large Spaces

Designed for heavy-duty applications, a breakthrough in motor design allows the powerful AirVolution-D 780 fan to generate 75% more wind power. This makes it perfect for extra-large spaces like warehouses, airplane hangars, airports, and stadiums. The fan's durable design also eliminates the gearbox for easy installation, zero maintenance, and operation that's practically inaudible. To ensure safe and reliable performance, the full line is Wash Down rated for indoor or outdoor use.

Key Specs

- Airfoil sizes 20 to 24 ft. integrate into any extra-large space.
- Airfoils also available in black and other customizable colors.
- Lighter for easy installation, less wear and tear.
- On-board AirBrain adapts to input voltages, optimizes motor control.
- No gearbox means quiet operation and no maintenance.
- Integrates into HVAC & other automated building systems via gateway.
- Wash Down Duty rated for indoor/outdoor use.
- Backed by a 50,000-hour-warranty.

Touchscreen Remote



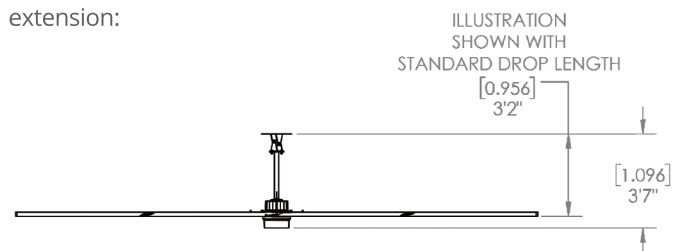
- 20 speed settings
- Forward and reverse
- Integrated warranty hour counter

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:



AirVolution-D 780

Basic Specifications

Airfoil (Blade) Diameter	20 ft.	24 ft.
Airfoil Style	7.375 inch Extruded Anodized Aluminum Airfoils	
Number of Airfoils	6	
Performance		
Max Speed	75 RPM	64 RPM
Recommended Spacing *	105 ft.	115 ft.
Sound Level dBA at Max Speed **	57	56
Hanging Requirements		
Hanging Weight	214 lbs	239 lbs
Max Torque	88 lbf/ft	121 lbf/ft
Max Thrust in Reverse	32 lbs	40 lbs
Motor and Drive Train		
Motor Type	Gearless Direct Drive	
Equivalent Horsepower Rating	2.1 HP	
Operating Temp Range	16°F (-10°C) – 140°F (40°C)	
Max Amp Draw / Recommended Fuse		
208-240 VAC Single Phase	12.5A / 5	15.1A / 10
208-240 VAC Three Phase	6.8A / 5	8.2A / 10
380 VAC Three Phase	3.7A / 5	4.5A / 5
480 VAC Three Phase	2.9A / 5	3.5A / 5
600 VAC Three Phase	2.3A / 5	2.8A / 5
Power & Controls		
Power Source High	Three Phase (380-600) 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	Universal Mount	
Drop Length	In addition to the standard drop length supplied, optional drop lengths are available in 1 inch increments. Guy wires required with Universal Mount; with Rapid Mount guy wires are optional.	
Ratings & Compliance		
Fire and Sprinkler	NFPA Compliant	
Outdoor Rating ***	Rated for outdoor use.	
Certifications	UL 507, CE	

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

** 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.

