

AirVolution^D 780



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
- 45% 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 and other automated building systems via gateway
- Wash Down Duty rated for indoor/outdoor use (IP65)
- Backed by a 50,000-hour-warranty

Touchscreen Remote



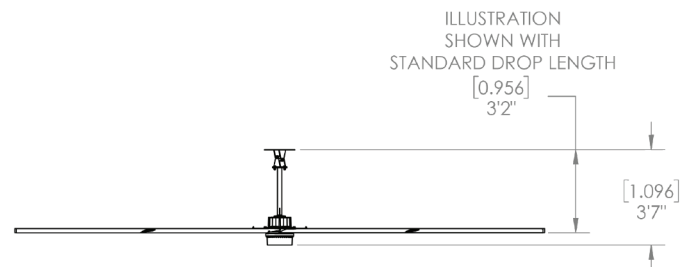
- 20 speed settings
- Forward and reverse
- Integrated warranty hour counter

Warranty

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

Mounting Dimensions

Illustration shown with standard extension



Basic Specifications

Airfoil Diameter	20ft	24ft
Airfoil Blade	Extruded Anodized Aluminum Airfoils 7.375" Blade Width	
Number of Airfoils	6	6

AirVolution^D 780

PERFORMANCE	20 ft	24 ft
Max Displacement Forward*	250,000 CFM	346,000 CFM
Max Displacement Reverse*	187,000 CFM	256,000 CFM
Variable Speed	1 - 75 RPM	1 - 64 RPM
Max Power Usage	1,180 W	1,550 W
Recommended Industry Spacing**	105 ft	115 ft
Max Affected Area***	20,000 ft ²	22,000 ft ²
Sound Level dBA at 100% Speed ****	57	56

WEIGHTS		
Hanging Weight	214 lbs	239 lbs

MOTOR AND DRIVE TRAIN		
Motor Type	Gearless Direct Drive	
Equivalent Horsepower Rating	2.1 HP	
Max Operating Temp	140° F [60° C]	

MAX AMP DRAW / RECOMMENDED FUSE		
208-240 VAC Single Phase	12.5A / 15	15.1A / 20
277 VAC Single Phase	9.4A / 10	11.3A / 15
208-240 VAC Three Phase	6.8A / 10	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 AND CONTROLS		
Power Source High	3-Phase [380-600] VAC +/- 5%, 50/60 Hz	
Power Source Low	1-Phase or 3-Phase [208-277] VAC +/- 5%, 50/60 Hz	
Control Options	Digital Touchpad Standard, MacroAir Controller 6 and 30, AirLynk – BacNet/LonWorks	

INSTALLATION		
Mounting Hardware	AVD 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 Industrial; guy wires are optional.	

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 of 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 of 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.