

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



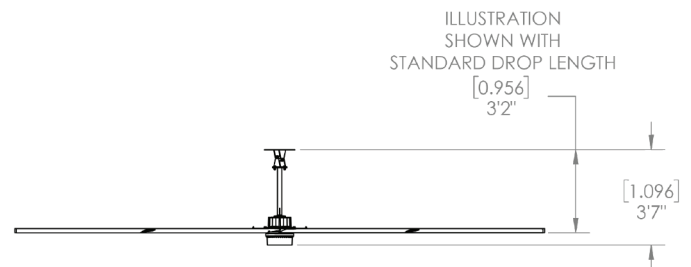
- 20 speed settings
- Forward and reverse
- Integrated warranty hour counter

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

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PERFORMANCE	20 ft	24 ft
Variable Speed	1 - 75 RPM	1 - 64 RPM
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

* 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.