**Medium to Large Spaces**

For medium to large spaces, the AirVolution-D 550 fan is extremely eﬀective at controlling temperature and humidity. Ideal locations include auto shops, gyms, and agricultural applications. The system design eliminates the gearbox for a lighter, leak-proof fan that is durable and runs with less friction. This design makes it easy to install, maintenance-free, and practically inaudible. The full line is also wash down rated for indoor or outdoor use.

# Key Specs

* Airfoil sizes 8 –18 ft. integrate into any medium to 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.

Illustration shown with standard

extension:

llustration shown with standard extension

* 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

**AirVolution-D 550**

HVLS Fans by

TM

* + 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

**AirVolution-D 550**

Basic Specifications

HVLS Fans by

TM

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Airfoil (Blade) Diameter** | **8 ft.** | **10 ft.** | **12 ft.** | **14 ft.** | **16 ft.** | **18 ft.** |
| **Airfoil Style** | 7.375 inch Extruded Anodized Aluminum Airfoils |
| **Number of Airfoils** | 6 |
| **Performance** |
| **Max Speed** | 220 RPM | 170 RPM | 137 RPM | 110 RPM | 90 RPM | 74 RPM |
| **Recommended Spacing \*** | 60 ft. | 65 ft. | 70 ft. | 80 ft. | 90 ft. | 95 ft. |
| **Sound Level dBA at Max Speed \* \*** | 61 | 59 | 60 | 56 | 53 | 53 |
| **Hanging Requirements** |
| **Hanging Weight** | 144 lbs | 153 lbs | 162 lbs | 172 lbs | 180 lbs | 188 lbs |
| **Max Torque** | 20 lbf/ft | 28 lbf/ft | 36 lbf/ft | 44 lbf/ft | 55 lbf/ft | 58 lbf/ft |
| **Max Thrust in Reverse** | 4 lbs | 8 lbs | 12 lbs | 17 lbs | 22 lbs | 22 lbs |
| **Motor and Drive Train** |
| **Motor Type** | Gearless Direct Drive |
| **Equivalent Horsepower Rating** | 1.05 HP |
| **Operating Temp Range** | 16ºF (-10ºC) – 140ºF (40ºC) |
| **Max Amp Draw / Recommended Fuse** |
| **110 VAC Single Phase** | 9A / 10 | 13.9A / 15 | 13.9A / 15 | 13.9A / 15 | 15.2A / 20 | 15.2A / 20 |
| **120 VAC Single Phase** | 8.3A / 10 | 12.7A / 15 | 12.7A / 15 | 12.7A / 15 | 14A / 15 | 14A / 15 |
| **208-240 VAC Single Phase** | 4.8A / 5 | 7.3A / 10 | 7.3A / 10 | 7.3A / 10 | 8.1A / 10 | 8.1A / 10 |
| **208-240 VAC Three Phase** | 3.4A / 5 | 5.3A / 10 | 5.3A / 10 | 5.3A / 10 | 6.6A / 10 | 5.8A / 10 |
| **380 VAC Three Phase** | 1.9A / 5 | 2.9A / 5 | 2.9A / 5 | 2.9A / 5 | 3.6A / 5 | 3.2A / 5 |
| **480 VAC Three Phase** | 1.5A / 5 | 2.3A / 5 | 2.3A / 5 | 2.3A / 5 | 2.9A / 5 | 2.5A / 5 |
| **600 VAC Three Phase** | 1.2A / 5 | 1.8A / 5 | 1.8A / 5 | 1.8A / 5 | 2.3A / 5 | 2A / 5 |
| **Power & Controls** |
| **Power Source High** | Three Phase (380-600) VAC +/-5%, 50/60 Hz |
| **Power Source Low** | Single Phase or Three Phase (120-240) 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 |

