

# AirVolution-D 550

HVLS Fans by  
**MacroAir**  
engineers of air™



## 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.
- 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



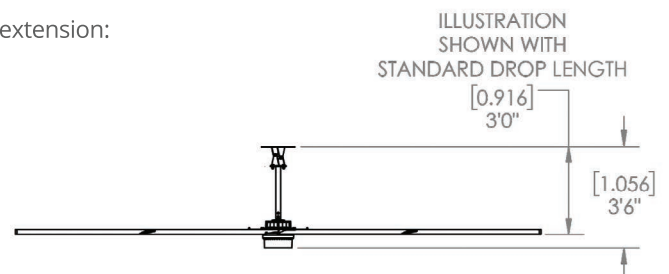
- 20 speed settings
- Forward and reverse
- Integrated warranty hour counter

## 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:



# AirVolution-D 550

## Basic Specifications

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					
<b>Performance</b>						
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
<b>Hanging Requirements</b>						
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
<b>Motor and Drive Train</b>						
Motor Type	Gearless Direct Drive					
Equivalent Horsepower Rating	1.05 HP					
Operating Temp Range	16°F (-10°C) – 140°F (40°C)					
<b>Max Amp Draw / Recommended Fuse</b>						
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
<b>Power &amp; Controls</b>						
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					
<b>Installation</b>						
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.					
<b>Ratings &amp; Compliance</b>						
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.

