

**Medium to Large Spaces**

The AirVolution-D3 is ideally suited for medium to large spaces such as car dealerships, manufacturing facilities, and distribution warehouses. Designed to be our most cost-eﬀective HVLS fan, this model incorporates the primary benefits of our gearless technology. It features the highest eﬃciency motor available, reduced weight, less noise and no maintenance. When high performance, best value and budget are critical factors, the AirVolution-D3 delivers the best ROI of any HVLS fan on the market today.

# Key Specs

* Airfoil sizes 10 – 24 ft. integrate into any medium to large space.
* Airfoils also available in black and other customizable colors.
* Custom powder coat paint colors available as well.
* Customizable upgrade options.
* 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

**AirVolutionD3**

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

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**AirVolutionD3**

Basic Specifications

HVLS Fans by

TM

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| **Airfoil (Blade) Diameter** | **10 ft.** | **12 ft.** | **14 ft.** | **16 ft.** | **18 ft.** | **20 ft.** | **24 ft.** |
| **Airfoil Style** | 7.375 inch Extruded Anodized Aluminum Airfoils |
| **Number of Airfoils** | 3 |
| **Performance** |
| **Max Speed** | 166 RPM | 135 RPM | 118 RPM | 91 RPM | 87 RPM | 81 RPM | 63 RPM |
| **Recommended Spacing \*** | 55 ft. | 60 ft. | 70 ft. | 75 ft. | 80 ft. | 90 ft. | 95 ft. |
| **Sound Level dBA at Max Speed \* \*** | 56 | 55 | 54 | 52 | 52 | 54 | 51 |
| **Hanging Requirements** |
| **Hanging Weight** | 129 lbs | 133 lbs | 137 lbs | 141 lbs | 145 lbs | 149 lbs | 162 lbs |
| **Max Torque** | 16 lbf/ft | 22 lbf/ft | 29 lbf/ft | 32 lbf/ft | 42 lbf/ft | 53 lbf/ft | 53 lbf/ft |
| **Max Thrust in Reverse** | 7 lbs | 10 lbs | 13 lbs | 15 lbs | 19 lbs | 22 lbs | 20 lbs |
| **Motor and Drive Train** |
| **Motor Type** | Gearless Direct Drive |
| **Equivalent Horsepower Rating** | 1.05 HP |
| **Operating Temp Range** | 16ºF (-10ºC) – 140ºF (60ºC) |
| **Max Amp Draw / Recommended Fuse** |
| **208-240 VAC 1-Phase** | 3.5A / 5 | 3.7A / 5 | 4.3A / 5 | 3.2A / 5 | 4.5A / 5 | 5.7A / 10 | 6A / 10 |
| **208-240 VAC 3-Phase** | 2.5A / 5 | 2.6A / 5 | 2.9A / 5 | 2.4A / 5 | 3A / 5 | 3.6A / 5 | 3.8A / 5 |
| **480 VAC 3-Phase** | 1.1A / 5 | 1A / 5 | 1.3A / 5 | 1A / 5 | 1.3A / 5 | 1.8A / 5 | 1.7A / 5 |
| **Power & Controls** |
| **Power Source High** | Three Phase (380-480) 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** | Fixed Angle Mount |
| **Drop Length** | In addition to the standard drop length supplied, optional drop lengths are available in 1 inch increments.All drop lengths require guy wires. |
| **Ratings & Compliance** |
| **Fire and Sprinkler** | NFPA Compliant |
| **Outdoor Rating \* \* \*** | Rated for outdoor use. |

