



Small Space Solution

Ideal for ceiling heights as low as 12 ft, the AirVolution-D 370 is remarkably quiet. Its next generation motor design eliminates the gearbox, resulting in reduced noise, zero maintenance and easy installation. Sleek looks and two custom color options add to its appeal, allowing it to blend with any setting. For small spaces like offices, restaurants, and lobbies, the AirVolution-D is a perfect fit.

Key Specs:

- Airfoil sizes 6 to 12 ft integrate into any small space
- Airfoils also available in black and woodgrain
- On-board AirBrain optimizes motor control
- Delivers 70% more airflow than the leading competitor's comparable model
- No gearbox means silent operation, zero maintenance
- Wash Down Duty rated for indoor / outdoor use
- Backed by a 50,000-Hour Warranty

WARRANTY AND SAFETY

Safety Components: Safety Cable

Warranty: Lifetime: 50,000 operating hours

MODEL370

AirVolution^D

| AIRFOIL DIAMETER | 6ft | 8ft | 10ft | 12ft |
|--------------------|---|------------|------------|------------|
| Model Number | MA06XS3706 | MA08XS3706 | MA10XS3706 | MA12XS3706 |
| Diameter | 6 | 8 | 10 | 12 |
| Airfoil Style | 4.5" Extruded Anodized Aluminum Airfoil | | | |
| Number of Airfoils | 6 | 6 | 6 | 6 |

PERFORMANCE

| | | | | |
|--|---|---|---|---|
| Max Displacement Forward** | 18,000 CFM [510 CMM] | 40,000 CFM [1,130 CMM] | 52,000 CFM [1,470 CMM] | 54,000 CFM [1,520 CMM] |
| Max Thrust Forward | 4 lbf [16 N] | 10 lbf [44 N] | 13 lbf [56 N] | 8 lb [36 N] |
| Max Displacement Reverse** | TBA* | 22,000 CFM [620 CMM] | 31,000 CFM [860 CMM] | 39,000 CFM [1,100 CMM] |
| Max Thrust Reverse | TBA* | 3 lbf [15 N] | 4 lbf [17 N] | 4 lbf [19 N] |
| Variable Speed | 1-151 RPM | 1-146 RPM | 1-101 RPM | 1-66 RPM |
| Max Power Usage | 110 W | 320 W | 250 W | 140 W |
| Drive & Motor Efficiency at Max RPM*** | 58% | 52% | 70% | 64% |
| Recommended Industry Spacing**** | 28 ft [8.5 m] | 36 ft [11 m] | 40 ft [12.2 m] | 48 ft [14.6 m] |
| Max Affected Area***** | 1,300 ft ² [121 m ²] | 2,160 ft ² [201 m ²] | 2,670 ft ² [248 m ²] | 3,480 ft ² [323 m ²] |
| Max Sound Level***** | TBA* | 48.7 dBA | 43 dBA | 38.7 dBA |

WEIGHT AND DIMENSIONS

| | | | | |
|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Hanging Weight | 69.2 lb [31.4 kg] | 73.9 lb [33.5 kg] | 81 lb [36.7 kg] | 86.3 lb [39.1 kg] |
| Total Shipping Weight | 57 lbs [25.9 kg] | 64 lbs [29 kg] | 70 lbs [31.8 kg] | 79 lbs [35.8 kg] |
| Motor System Shipping Weight | 38 lbs [17.2 kg] | 38 lbs [17.2 kg] | 38 lbs [17.2 kg] | 38 lbs [17.2 kg] |
| Motor System Shipping Dimensions | 16x16x16 in [0.41x0.41x0.41 m] | 16x16x16 in [0.41x0.41x0.41 m] | 16x16x16 in [0.41x0.41x0.41 m] | 16x16x16 in [0.41x0.41x0.41 m] |
| Blade Shipping Weight | 19 lbs [8.6 kg] | 26 lbs [11.8 kg] | 32 lbs [14.5 kg] | 41 lbs [18.6 kg] |
| Blade Shipping Dimensions | 34x6x7 in [0.86x0.15x0.18 m] | 46x6x7 in [1.17x0.15x0.18 m] | 58x6x7 in [1.47x0.15x0.18 m] | 69x6x7 in [1.75x0.15x0.18 m] |

MOTOR AND DRIVE TRAIN

| | |
|------------------------------|---|
| Motor Type | Brushless, Permanent Magnet, Transverse-Flux DC Motor |
| Drive Train | Direct Drive (Gearless) |
| Motor Torque Rating | 9.6 ft lb [13 Nm] Continuous |
| Equivalent Horsepower Rating | 0.25 HP |
| Max Operating Temp | 140°F [60°C] |

POWER AND CONTROLS

| | |
|-------------------------|---|
| Power Source High Range | N/A |
| Power Source Low Range | 1-phase 110 or 220 VAC +/-10% [220 VAC coming Dec. 2014] |
| Offered Controllers | Digital touchpad Standard, MacroAir Controller 6 and 30 Optional |
| Control Types | Analog or Digital MODBUS 485 [BACnet or LonWorks interface available] |

INSTALLATION

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|-------------------|--|
| Mounting Hardware | Rapid Mount Commercial |
| Drop Extensions | Optional extension lengths available in 1ft increments; lengths greater than 5ft may require guy wires in adverse conditions |

RATINGS AND COMPLIANCE

| | |
|-----------------------|----------------|
| Fire and Sprinkler | NFPA Compliant |
| Wash Down Duty Rating | IP66 |

WARRANTY AND SAFETY

| | |
|-------------------|------------------------|
| Warranty | 50,000 Operating Hours |
| Safety Components | Safety Cable |

*Data will be added when additional testing and/or information is ready

**Calculation based on AMCA 230-99 equation

***Determined by dividing the mechanical power output of the motor by the electrical input into the fan system

****Delivers 2.8-4.2 ft/s [0.86-1.27 m/s] of average air speed in the occupied space. This relates to perceived cooling or set point change of 4.9-6.1 F [2.7-4.3 C]. Consult our online AirViz tool for more details

*****Delivers 2.7-3.8 ft/s [0.82-1.16 m/s] of average air speed in the occupied space. This relates to a perceived cooling or set point change of 4.8-5.8 F [2.6-3.2 C]. Consult our online AirViz tool for more details.

*****Sound testing taken with the sensor 5 ft above the ground and 20 ft from the center of the fan with the fan running full speed and mounted at 20 ft high.