



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 (Oak only)
- On-board AirBrain optimizes motor control
- Delivers 40% 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

BASIC SPECIFICATIONS

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

MODEL 370

AirVolution^D

PERFORMANCE	6ft	8ft	10ft	12ft
Max Displacement Forward**	19,000 CFM [540 CMM]	38,000 CFM [1,090 CMM]	47,000 CFM [1,330 CMM]	54,000 CFM [1,520 CMM]
Max Thrust Forward	4.2 lbf [18.7 N]	9.5 lbf [42.3 N]	9.1 lbf [40.5 N]	8.2 lb [36.5 N]
Max Displacement Reverse**	7,000 CFM [200 CMM]	21,000 CFM [600 CMM]	34,000 CFM [970 CMM]	39,000 CFM [1,100 CMM]
Max Thrust Reverse	0.6 lbf [2.7 N]	2.9 lbf [12.9 N]	4.8 lbf [21.4 N]	4.3 lbf [19.1 N]
Variable Speed	1-140 RPM	1-140 RPM	1-93.5 RPM	1-65.2 RPM
Max Power Usage	110 W	270 W	190 W	140 W
Drive & Motor Efficiency at Max RPM***	55%	69%	66%	62%
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]	2,200 ft ² [204 m ²]	2,700 ft ² [251 m ²]	3,500 ft ² [325 m ²]
Sound Level dBA at 50% Speed*****	34	29	34	29
Sound Level dBA at 100% Speed*****	40	48	44	41

WEIGHTS AND DIMENSIONS

Hanging Weight	58 lb [26.3 kg]	65 lb [29.5 kg]	72 lb [32.7 kg]	79 lb [35.8 kg]
Total Shipping Weight	60 lbs [27.2 kg]	67 lbs [30.4 kg]	73 lbs [33.1 kg]	82 lbs [37.2 kg]
Motor System Shipping Weight	41 lbs [18.6 kg]	41 lbs [18.6 kg]	41 lbs [18.6 kg]	41 lbs [18.6 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	Gearless Direct Drive
Motor Torque Rating	9.6 ft lb [13 Nm] Continuous
Equivalent Horsepower Rating	0.25 HP
Max Operating Temp	140°F [60°C]

MAX AMP DRAW / RECOMMENDED FUSE

110 VAC 1-Phase	1.5A / 5	5.9A / 10	3.8A / 5	2.0A / 5
120 VAC 1-Phase	1.4A / 5	5.4A / 10	3.5A / 5	1.8A / 5
208 VAC 1-Phase	0.8A / 5	3.1A / 5	2.0A / 5	1.0A / 5

POWER AND CONTROLS

Power Source High	N/A
Power Source Low	1-phase 110 or 220 VAC +/-5%
Offered Controllers	Digital touchpad Standard, MacroAir Controller 6 and 30 (coming soon)
Control Types	Digital MODBUS 485 (Analog control, BACnet and LonWorks interfaces coming soon)

INSTALLATION

Mounting Hardware	Rapid Mount Commercial
Drop Extensions	In addition to the standard drop length supplied, optional drop lengths are available in 1ft increments; total drop lengths 5ft and greater require guy wires

RATINGS AND COMPLIANCE

Fire and Sprinkler	NFPA Compliant
Wash Down Duty Rating	IP66

*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 at 20 ft high.