

The next generation of air movement is here and engineered for maximum performance with peak efficiency. Ideal for ceiling heights as low as 12 feet, the AirVolution-D 370 commercial ceiling fan is the perfect airflow solution for cooling your smaller spaces. A sleek design and custom color options add to its appeal, making these fans the most attractive ceiling fans on the market.

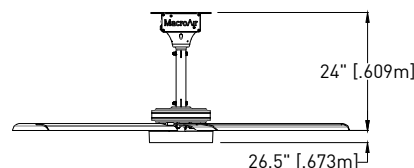


STANDARD FEATURES

- Ultra Efficient, PMAC Direct Drive motor
- Revolutionary integrated drive/mount/enclosure system
- Clearcoat anodized blades
- Forward, reverse, variable speed
- Rated for indoor and outdoor use*
- Capable of Building Automation Integration (with AirLynk upgrade) and fire alarm
- Digital wall controller with fault code access



ILLUSTRATION SHOWN WITH STANDARD DROP LENGTH



STEP 1: POWER UNIT

Item #	Options	Qty
M370-0025-MA	AVD 370 Power Unit, 3/4 HP Equivalent	

STEP 2: FAN BLADE DIAMETER

Item #	Diameter	Qty
60-20006-00****	6 ft / 1.83 m****	
60-20008-00	8 ft / 2.44 m	
60-20010-00	10 ft / 3.05 m	
60-20012-00	12 ft / 3.66 m	

STEP 3: VOLTAGE

Item #	Diameter	Qty
30-05006-00	100-120V Single Phase, 50/60Hz**	
31-21010-00	208-240V Single Phase, 50/60Hz	

STEP 4: MOUNTING

Item #	Options	Qty
60-50143-00	Rapid Mount Commercial with I-beam Hardware Kit (up to 5ft drop length) (Standard)	
60-50142-00	AVD Universal Mount with I-beam Hardware Kit	
60-40049-00	Glulam Hardware Kit	

STEP 5: CONTROLS

Item #	Description	Qty
30-90308-00	Digital Remote Assembly (Standard)	
30-04006-00	Controller 4	
30-04007-00	Controller 4 + Single Temperature Sensor	
30-04030-00	Controller 30	
30-10012-00	AirLynk - BacNet	
30-04030-02	Dual Control Enabled Controller 30 (requires AirLynk-BacNet)	

*Motor unit only. Consult with a MacroAir sales specialist for best practice.

**100-120V Option Requires additional step up transformer

*** MacroAir Technologies, Inc. certifies that the model AVD 370 (diameters 8'-12') shown herein are licensed to bear the AMCA seal. The ratings shown are based on the tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

****6' diameter AVD370 is not an AMCA certified model

STEP 5: STOCK DROP LENGTHS

Item #	Length (ft/in)	Length (m)	Qty
51-E01in-02	1 ft*	0.30 m	
51-y0200-02	2 ft (Standard)	0.61 m	
51-y0300-02	3 ft	0.91 m	
51-y0400-02	4 ft	1.22 m	
51-y0500-02	5 ft	1.52 m	
51-y0600-02	6 ft	1.83 m	
51-y0700-02	7 ft	2.13 m	
51-y0800-02	8 ft	2.44 m	
51-y0900-02	9 ft	2.74 m	
51-y1000-02	10 ft	3.05 m	
51-yftin-02**	Customization fee		

DROP LENGTH is the distance from fan mounting point to the blades.

AirVolution-D fans can only be connected with a single-piece of custom length drop tube.

Measure the distance from the fan's mounting point down to the desired fan blade position and provide this information with the fan order to receive the correct custom drop length. Guy wires kits are provided and required in all situations where a drop length of greater than 5 feet.

For custom drop lengths, order a length longer and MacroAir will cut it down to the requested length. Estimated lead time is 10 business days.

y = D for Rapid Mount Commercial, or C for AVD Universal Mount

ft = length in feet (i.e. 04 for 4 feet, 10 for 10 feet)

in = length in inches (i.e. 05 for 5 inches, 10 for 10 inches)

*1 ft is the shortest allowed drop length for AVD-370. Lengths shorter than the standard drop length are not recommended and will not work for some fan diameters. 1' drops will not come with the Rapid Mount or UMH hardware, and are direct/rigid mounted instead. Consult MacroAir for more details. To order custom Drop Length or length greater than 10 ft, please call MacroAir.

Do you have a custom color in mind? Custom powder coating is available for all our blades, mounts and drop lengths.

OPTIONAL: POWDER COATING

Item #	Diameter	Estimated Lead Time	Qty
60-20006-02	6 ft / 1.83 m	15 business days	
60-20008-02	8 ft / 2.44 m	15 business days	
60-20010-02	10 ft / 3.05 m	15 business days	
60-20012-02	12 ft / 3.66 m	15 business days	

Special Finishes

60-201yy-00 (Light Oak Wood Grain)	All Diameters	--	
Mounting hardware & drop length	All Diameters	15 business days	
Hub Cover	All Diameters	15 business days	

yy = ft, fan diameter

For powder coating colors, please refer to Appendix A.

ADDITIONAL OPTIONS

Item #	Description	Qty
10-60200-00	AVD Fuse Disconnect Switch*	

*IEC Compliance requires a fused disconnect switch. Fuse selection is input voltage specific, so fuses are not provided with purchase of a disconnect.

BASIC SPECIFICATIONS

AIRFOIL DIAMETER	6ft	8ft	10ft	12ft
Airfoil Style	4.5" Extruded Anodized Aluminum Airfoil			
Number of Airfoils	6			
PERFORMANCE				
Max Speed	138 RPM	140 RPM	94 RPM	65 RPM
Recommended Spacing*	28 ft [8.5 m]	36 ft [11 m]	40 ft [12.2 m]	48 ft [14.6 m]
Max Affected Area	1,400 ft ² [130 m ²]	2,400 ft ² [223 m ²]	3,200 ft ² [297 m ²]	4,000 ft ² [371 m ²]
Sound Level dBA at Max Speed**	45	55	56	48
HANGING REQUIREMENTS				
Hanging Weight	71 lbs [32.21 kg]	79 lbs [35.83 kg]	86 lbs [39.01 kg]	93 lbs [42.18 kg]
Max Torque	4 ft-lb [5 Nm]	13 ft-lb [18 Nm]	20 ft-lb [27 Nm]	19 ft-lb [26 Nm]
Max Thrust in Reverse	2 lbs [0.9 kg]	4 lbs [1.8 kg]	6 lbs [2.7 kg]	7 lbs [3.2 kg]
MOTOR AND DRIVE TRAIN				
Motor Type	Gearless Direct Drive			
Equivalent Horsepower Rating	3/4 HP			
Operating Temp Range	16°F [-10°C] - 122 F° [50C°]			
MAX AMP DRAW / RECOMMENDED FUSE				
110 VAC Single Phase***	2.7A / Fuse N/A	2.7A / Fuse N/A	2.7A / Fuse N/A	2.7A / Fuse N/A
208 VAC Single Phase	1.4A / 2.5A	1.4A / 2.5A	1.4A / 2.5A	1.4A / 2.5A
POWER AND CONTROLS				
Power Source Low	Single Phase 110-120 VAC 50/60 Hz / Single Phase 208-240 VAC 50/60 Hz			
Control Options	Digital Touchpad, MacroAir Controller 30, AirLynk - BacNet			
INSTALLATION				
Mounting Hardware	Rapid Mount Commercial			
Drop Length	In addition to the standard drop length supplied, optional drop lengths are available in 1ft increments; total drop lengths 5ft and greater require Universal Mounting Hardware with guy wires			
RATINGS AND COMPLIANCE				
Fire and Sprinkler	NFPA Compliant			
Outdoor Rating****	Rated for outdoor use			
Certifications	Pending			

*For spacing between fan units based on the dimensions of a specific space please refer to <https://macroairfans.com/airviz>.

**Sound testing taken with the sensor 5 ft above the ground and 20 ft from the center of the fan at 20 ft high.
The sound performance is not AMCA International licensed but is provided to aid in selection and applications of the product.

***Preliminary Test Results

****Applicable to the fan unit only, does not include controller and accessories.



PERFORMANCE SPECIFICATIONS

Fan Diameter (Ft)	Fan Speed (% of max RPM)	Fan Speed (RPM)	Voltage/ Phase/ Frequency	Standby Power (Watts)	Electrical Input Power (Watts)	Airflow Rate (CFM)	CFEI 40	CFEI 100	Direction	Reverse Operation?
8	20	27.82	230/Single Phase/60Hz	6.0	33.05	3175.77	9.5	3.7085	Forward	Yes
	40	55.93	230/Single Phase/60Hz		49.62	10356.22			Forward	Yes
	60	83.82	230/Single Phase/60Hz		86.24	16541.62			Forward	Yes
	80	111.87	230/Single Phase/60Hz		153.88	23033.49			Forward	Yes
	100	139.93	230/Single Phase/60Hz		274.54	29190.67			Forward	Yes
10	20	18.71	230/Single Phase/60Hz	6.0	30.50	3280.29	10.6	4.0	Forward	Yes
	40	37.51	230/Single Phase/60Hz		43.50	12740.80			Forward	Yes
	60	56.35	230/Single Phase/60Hz		70.71	20020.17			Forward	Yes
	80	75.07	230/Single Phase/60Hz		123.33	27522.96			Forward	Yes
	100	93.61	230/Single Phase/60Hz		210.89	34868.72			Forward	Yes
12	20	13.00	230/Single Phase/60Hz	6.0	28.98	4326.02	11.783	4.533	Forward	Yes
	40	25.88	230/Single Phase/60Hz		38.56	14454.50			Forward	Yes
	60	38.93	230/Single Phase/60Hz		57.94	23116.51			Forward	Yes
	80	51.97	230/Single Phase/60Hz		96.45	31406.53			Forward	Yes
	100	64.91	230/Single Phase/60Hz		161.60	39584.30			Forward	Yes