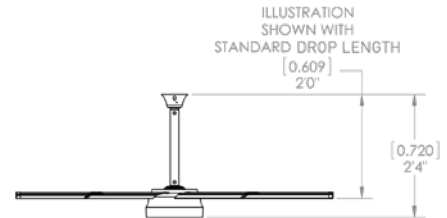


# AirVolution-D 370



## STANDARD FEATURES

- Clearcoat anodized airfoil blades
- Forward, reverse, variable speed
- Rated for indoor and outdoor use
- Integrates with building automation systems
- Digital wall controller with fault code access
- Safety components: safety cable, rapid mount commercial



Note: Custom drop lengths greater than 5 ft require guy wires

## STEP 1: POWER UNIT

Item #	Options	Horsepower	Qty
P370-370L-MA	AVD 370 Low Voltage - 110V-240V +/-5% Single Phase, 50/60 Hz	0.25 HP	

## 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: MOUNTING

Item #	Options	Qty
60-50105-00	Rapid Mount Commercial (up to 5ft drop length)	
10-90161-00	I-beam Hardware Kit (for Rapid Mount Commercial)	
10-90162-00	Glulam Hardware Kit (for Rapid Mount Commercial)	
60-50114-00	Fixed Angle Mount with I-beam Hardware Kit	
60-50123-00	AVD Universal Mount with I-beam Hardware Kit (370)	
60-40041-00	Glulam Hardware Kit (for Fixed Angle Mount or AVD Universal Mount)	

## STEP 4: CONTROLS

Item #	Description	Qty
30-90308-00	Digital Remote Assembly	
30-04030-00	Controller 30*	
30-10010-00	AirLynk - BacNet*	
30-10011-00	AirLynk - LonWorks*	
10-80632-00	Repeater	
30-04009-00	AirEffect (up to 4 zones)**	

\*Applicable for deduction per fan ordered  
 \*\*Only available for Controller 30 (Not Included)

# AirVolution-D 370

## STEP 5: STOCK DROP LENGTHS

Item #	Length (ft/in)	Length (m)	Qty
50-x01in-02	1 ft*	0.30 m	
50-x0200-02	2 ft	0.61 m	
50-x0300-02	3 ft	0.91 m	
50-x0400-02	4 ft	1.22 m	
50-x0500-02	5 ft	1.52 m	
50-x0600-02	6 ft	1.83 m	
50-x0700-02	7 ft	2.13 m	
50-x0800-02	8 ft	2.44 m	
50-x0900-02	9 ft	2.74 m	
50-x1000-02	10 ft	3.05 m	
50-xftin-02**	Customization fee		

x = **2** for Fixed Angle Mount,  
or **9** for AVD Universal Mount,  
or **7** for Rapid Mount Commercial

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 with the Rapid Mount Commercial. Lengths shorter than the standard drop length are not recommended and will **not work** for some fan diameters. 2 ft is the shortest allowed drop length for the AVD Universal Mount and Fixed Angle Mount. Consult MacroAir for more details.

To order custom Drop Length or length greater than 10 ft please call MacroAir.

**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.**

## 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	

xx = ft, fan diameter (i.e. 06 for 8ft, 10 for 10 ft)

yy = ft, fan diameter

For powder coating colors, please refer to Appendix A.

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

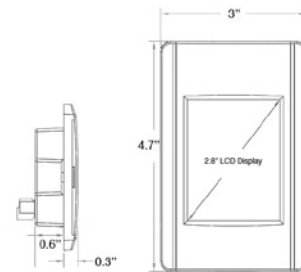
## ADDITIONAL OPTIONS

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

# AirVolution-D 370



- Works with all MacroAir fan models (Except Z Series)
- Simple and intuitive control
- Easy ground-level troubleshooting and diagnostics



Features	Digital Touchpad Remote
Qty	
Item #	30-90308-00
# Fans Controlled	1 fan
Display	2.8 TFT
Resolution	240x320x16 pixels
Backlight life time	20,000 hours
Backlight brightness	160 cd/m2
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6
Rating (front)	IP 40 / NEMA 1
Weight (incl. enclosure)	375 g
Communication Protocol	RS 485
Power Supply	24V from fan
Size (incl. enclosure)	91.2 x 135.5 x42.0
Operating Temperature	-4° to 158°F / -20° to +70°C
Storage Temperature	-22° to 176°F / -30° to +80°C

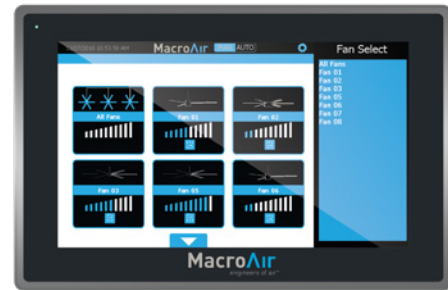
**Note:** Only one type of fan control can be used: Controller 30, Digital Remote Assembly, Analog Remote Assembly or AirLynk.

# AirVolution-D 370



## STANDARD FEATURES

- Provides a single point for individual or group fan control
- Enables run time, scheduling, grouping, and fan naming
- Secure remote login to controller via smart device or computer
- Optional automode available with AirEffect
- Password protection capabilities for scheduling, naming, and temperature/humidity



Features	Controller 30
Qty	
Item #	30-04030-00
# Fans Controlled	30 fans
Display	10.1" (16:9), TFT-LCD with LED backlight
Resolution	1024x600 pixels
Backlight life time	50000 hours
Backlight brightness	500 cd/m2
Shock	15g, half-sine, 11ms according to IEC60068-2-27
Vibration	1g, according to IEC 60068-2-6, Test Fc
Sealing front	IP65, NEMA 4X/ 12 and UL Type 4X/ 12
Sealing back (excl. enclosure)	IP20
Weight (incl. enclosure)	10 lb / 4.5 kg
Communication Protocol	MODBUS RS485
Ethernet Port	2x100 Mbit
USB Port	2
Power Supply	110-240 V
Size (incl. enclosure)	10.7 x 13.0 x 3.7 in (W x H x D) / 272 x 330 x 84 mm (W x H x D)
Operating Temperature	14° to 140°F / -10° to +60°C
Storage Temperature	-4° to 158°F / -20° to +70°C
Languages	English, Spanish, French, Malay

MacroAir Controller requires one Repeater for every 5 AirVolution-D fans.

**Note:** Only one type of fan control can be used: Controller 30, Digital Remote Assembly, or AirLynk.

# AirVolution-D 370

## BASIC SPECIFICATIONS

AIRFOIL DIAMETER	6ft	8ft	10ft	12ft
Airfoil Style	4.5 inch Extruded Anodized Aluminum Airfoil			
Number of Airfoils	6			
<b>PERFORMANCE</b>				
Max Speed	140 RPM	140 RPM	93.5 RPM	65.2 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	1,300 ft <sup>2</sup> [121 m <sup>2</sup> ]	2,200 ft <sup>2</sup> [204 m <sup>2</sup> ]	2,700 ft <sup>2</sup> [251 m <sup>2</sup> ]	3,500 ft <sup>2</sup> [325 m <sup>2</sup> ]
Sound Level dBA at Max Speed**	40	48	44	41
Sound Level dBA at Half Speed**	34	29	34	29

## HANGING REQUIREMENTS

Hanging Weight	52 lbs [23.61 kg]	59 lbs [26.79 kg]	65 lbs [29.51 kg]	74 lbs [33.6 kg]
Max Torque	4 lbf/ft [5 Nm]	10 lbf/ft [14 Nm]	10 lbf/ft [14 Nm]	11 lbf/ft [15 Nm]
Max Thrust in Reverse	2 lbs [0.9 kg]	3 lbs [1.4kg]	4 lbs [1.8 kg]	4 lbs [1.8 kg]

## MOTOR AND DRIVE TRAIN

Motor Type	Gearless Direct Drive			
Equivalent Horsepower Rating	0.25 HP			
Operating Temp Range	16°F [-10C°] - 122 F° [50C°]			

## MAX AMP DRAW / RECOMMENDED FUSE

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

## POWER AND CONTROLS

Power Source Low	Single Phase (110 to 220) VAC +/-5%			
Control Options	Digital Touchpad, MacroAir Controller 30, AirLynk - BacNet / LonWorks			

## INSTALLATION

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

## RATINGS AND COMPLIANCE

Fire and Sprinkler	NFPA Compliant			
Outdoor Rating***	Rated for outdoor use			
Certifications	UL 507, CE			

\*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.

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

# AirVolution-D 370

## Fan Placement & Clearance

