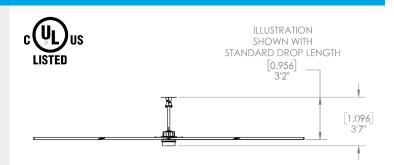


STANDARD FEATURES

- Clearcoat anodized patented airfoil blades with centrifugal cooling
- Forward, reverse, variable speed
- Rated for indoor and outdoor use
- Adapts to input voltages and integrates with building automation systems
- Digital wall controller with fault code access
- 50,000-hour warranty
- Safety components: safety cable, universal mount with guy wires, blade retainer links
- See the last page for product specifications



STEP 1: POWER UNIT			
Item #	Options	Horsepower	Qty
P780-780L-MA	AVD 780 Low Voltage - 208-240V +/-5% Single or Three Phase, 50/60 Hz	2.1 HP	
P780-780H-MA	AVD 780 High Voltage - 380-600V +/-5% Three Phase, 50/60 Hz	2.1 HP	

STEP 2: FAN BLADE DIAMETER		
Item #	Diameter	Qty
60-10020-00	20 ft / 6.10 m	
60-10024-00	24 ft / 7.32 m	

STEP 3: MOUNTING			
Item #	Options	Qty	
60-50103-00	AVD Universal Mount with I-beam Hardware Kit		
60-50109-00	Rapid Mount Industrial with I-beam Hardware Kit		
60-40041-00	Glulam Hardware Kit (for AVD Universal Mount or Rapid Mount Industrial)		

STEP 4: CONTROLS		
Item #	Description	Qty
30-90308-00	Digital Remote Assembly	
30-04006-00	Controller 4*	
30-04007-00	Controller 4 with 1 temperature sensor*	
30-04010-00	Controller 10*	
30-04020-00	Controller 20*	
30-04030-00	Controller 30*	
30-10010-00	AirLynk - BacNet*	
30-10011-00	AirLynk - LonWorks*	
10-80632-00	Repeater	
30-04009-00	AirEffect (per zone)**	

^{*}Applicable for deduction per fan ordered

^{**}Controller not included



STEP 5: STOCK	STEP 5: STOCK DROP LENGTHS			
Item #	Length (ft/in)	Length (m)	Qty	
50-90300-02	3 ft 2 in* (Standard)	0.97 m		
50-90400-02	4 ft 2 in	1.27m		
50-90500-02	5 ft 2 in	1.57 m		
50-90600-02	6 ft 2 in	1.88 m		
50-90700-02	7 ft 2 in	2.18 m		
50-90800-02	8 ft 2 in	2.49 m		
50-90900-02	9 ft 2 in	2.79 m		
50-91000-02	10 ft 2 in	3.10 m		
(50-9ftin-02)**	Customization fee			

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)

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.

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

OPTIONAL: POWDER COATING				
Item #	Diameter	Estimated Lead Time	Qty	
60-10020-02	20 ft / 6.07 m	15 business days		
60-10024-02	24 ft / 7.32 m	15 business days		
Special Finishes				
60-102 xx -00 (Flat Black)	All Diameters	15 business days		
Mounting hardware & drop length	All Diameters	15 business days		

xx = ft, fan diameter (i.e. 20 for 20ft)

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	
10-40195-00	Noise Dampener	
60-41002-00	AVD 550/780, AVD3 Light Kit	



^{*3} ft 2 in is the shortest allowed drop length for AVD 780.

^{**}Customization fee is added per drop length.

CONTROL OPTIONS

Digital Remote

- Works with all MacroAir fan models
- Controls 1 fan
- Simple and intuitive control
- Temperature sensor (optional) starts and stops the fan(s) according to a set temperature point
- 3-Year Warranty

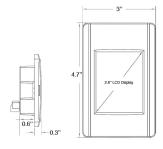


Features	Digital Remote	
Qty		
Item #	30-90308-00	
# Fans Controlled	1 fan	
Display	2.8 TFT	
Resolution	240x320x16 pixels	
Backlight life time	20,000 hours	
Backlight brightness	160 cd/m2	
Shock	IEC 60068-2-27	
Vibration	IEC 60068-2-6	
Rating (front)	IP 40 / NEMA 1	
Weight (incl. enclosure)	375 g	
Communication 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	

Controller 4

- Works with all MacroAir fan models
- Control up to 4 fans from a single point
- Simple and intuitive control
- Temperature sensor (optional) starts and stops the fan(s) according to a set temperature point
- 3-Year Warranty





Features	Controller 4	Controller 4 with 1 temperature sensor
Qty		
Item #	30-04006-00	30-04007-00
# Fans Controlled	Up to 4 fans	

All other specifications are the same as the Digital Remote above



MacroAir Controller 10 / 20 / 30

- Works with all MacroAir fan models
- Provides a single point for individual or group fan
- Enables run time, scheduling, grouping, and fan
- 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 10	Controller 20	Controller 30
Qty			
Item #	30-04010-00	30-04020-00	30-04030-00
# Fans Controlled	10 fans	20 fans	30 fans
Display	10.	1" (16:9), TFT-LCD with LED backli	ght
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	IP20 (excl. enclosure)		
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 fans.

PROJECT Project Information Certified By Job Name____ Name_ Address_____ Company_____ City_____State____ Address City_____State___ Distributor___ Quantity Date__



BASIC SPECIFICATIONS

AIRFOIL DIAMETER	20ft	24ft	
Airfoil Style	7.375" Extruded An	7.375" Extruded Anodized Aluminum Airfoil	
Number of Airfoils		6	
PERFORMANCE			
Max Speed	75 RPM	64 RPM	
Recommended Spacing*	105 ft [32 m]	115 ft [35.1 m]	
Max Affected Area	20,000 ft² [1,858 m²]	22,000 ft² [2,044 m²]	
Sound Level dBA at Max Speed**	57	56	
Sound Level dBA at Half Speed**	41	39	
HANGING REQUIREMENTS			
Hanging Weight	214 lbs [97.1 kg]	239 lbs [108.4 kg]	
Max Torque	88 lbf/ft [119 Nm]	121 lbf/ft 164 [Nm]	
Max Thrust in Reverse	32 lbs [14.5 kg]	40 lbs [18.1 kg]	
MOTOR AND DRIVE TRAIN			
Motor Type	Gearles:	Gearless Direct Drive	
Equivalent Horsepower Rating	2	2.1 HP	
Operating Temp Range	16°F [-10C°	16°F [-10C°] - 140 F° [60C°]	
MAX AMP DRAW / RECOMMENDED FUSI	E		
208-240 VAC Single Phase	12.5A / 15	15.1A / 20	
208-240 VAC Three Phase	6.8A / 10	8.2A / 10	
380 VAC Three Phase	3.7A / 5	4.5A / 5	
480 VAC Three Phase	2.9A / 5	3.5A / 5	
600 VAC Three Phase	2.3A / 5	2.8A / 5	
POWER AND CONTROLS			
Power Source High	Three Phase (380-6	600) VAC +/-5%, 50/60 Hz	
Power Source Low	Single Phase or Three Phase	se (208-240) VAC +/-5%, 50/60 Hz	
Control Options	Digital Touchpad, MacroAir Controller	Digital Touchpad, MacroAir Controller 4, 10, 20, 30, AirLynk - BacNet / LonWorks	
INSTALLATION			
Mounting Hardware	Unive	Universal Mount	
Drop Length		In addition to the standard drop length supplied, optional drop lengths are available in 1in increments; guy wires required with Universal Mount; with Rapid Mount guy wires are optional	
RATINGS AND COMPLIANCE			
		NFPA Compliant	
Fire and Sprinkler	NFPA	a Compliant	
Fire and Sprinkler Outdoor Rating****		Compliant or outdoor use	

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



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www.macroairfans.com

^{**}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.

Fan Placement & Clearance

