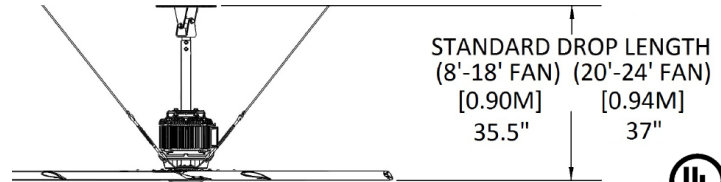


X Series



STANDARD FEATURES

- Clearcoat anodized airfoil blades
- Forward, reverse, variable speed
- Variable Frequency Drive – capable of fire alarm and automated building systems integration
- Digital wall controller with fault code access
- Safety Components: Safety Cable, Universal Mount with Guy Wires, Blade Retainer Links



STEP 1: POWER UNIT

Item #	Options	Qty
MX00-0085-MA	14-18 ft Power Unit, 1.25 HP Equivalent	
MX00-0185-MA	20-24 Power Unit, 2.3 HP Equivalent	

STEP 2: DIAMETERS

Item #	Diameter	Qty
60-10014-00	14 ft / 4.27 m	
60-10016-00	16 ft / 4.88 m	
60-10018-00	18 ft / 5.49 m	
60-10020-00	20 ft / 6.07 m	
60-10024-00	24 ft / 7.32 m	

STEP 3: VOLTAGE

Item #	Diameter	Qty
22017-MA	208-240V Single Phase, 50/60 Hz	
22038-MA	208-240V Three Phase, 50/60 Hz	
42039-MA	480V Three Phase, 50/60 Hz	

STEP 4: MOUNTING

Item #	Options	Qty
60-50135-00	X Series Universal Mount: I-beam Hardware Kit	
60-50136-00	Rapid Mount Industrial w/ I-Beam Kit	
60-40041-00	Glulam Hardware Kit (for Universal Mount)	

STEP 5: CONTROLS

Item #	Description	Qty
30-90308-00	Digital Remote Assembly	
30-04030-00	Controller 30* (see pg.22 for details)	
30-10012-00	AirLynk - BacNet* (see pg.24 for details)	
30-10011-00	AirLynk - LonWorks* (see pg.24 for details)	
30-04009-00	AirEffect (per fan)** (see pg.23 for details)	

*\$75 deduct per fan ordered

**Only available for Controller 30 (Not Included)

X Series

OPTIONAL: EXTENSIONS

Item #	Length (ft/in)	Length (m)	Qty
50-60300-0x	3 ft	0.91 m	
50-60400-0x	4 ft	1.22 m	
50-60500-0x	5 ft	1.52 m	
50-60600-0x	6 ft	1.82 m	
50-60700-0x	7 ft	2.13 m	
50-60800-0x	8 ft	2.44 m	
50-60900-0x	9 ft	2.74 m	
50-61000-0x	10 ft	3.05 m	

Most extensions are built to order. Please order the necessary extension length at the same time that you order the fans.

x = **2** for AVD Universal Mount,
or **3** for Rapid Mount Industrial

* **3'** is the shortest allowed drop for the X-Series

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

OPTIONAL: POWDER COATING

Item #	Diameter	Estimated Lead Time	Qty
60-10014-02	14 ft / 4.27 m	15 business days	
60-10016-02	16 ft / 4.88 m	15 business days	
60-10018-02	18 ft / 5.49 m	15 business days	
60-10020-02	20 ft / 6.07 m	15 business days	
60-10024-02	24 ft / 7.32 m	15 business days	
Special Blades Finishes			
Hub Cover	All Diameters	15 business days	
Special Frame & Extension Finishes			
70-10610-02	All Diameters	15 business days	

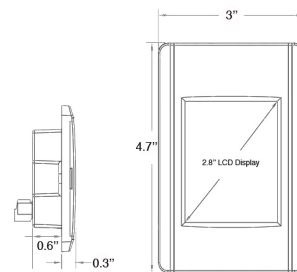
For powder coating colors, please refer to Appendix A.

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

X Series



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



Features	Digital Touchpad Remote
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 x 42.0
Operating Temperature	-4° to 158°F / -20° to +70°C
Storage Temperature	-22° to 176°F / -30° to +80°C

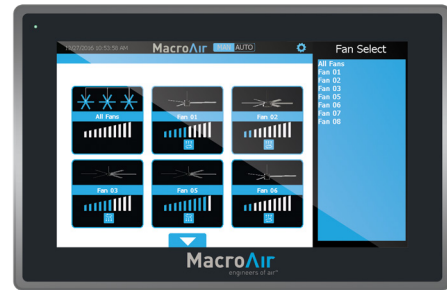
Note: Only one type of fan control can be used: Controller 30, Digital Remote Assembly, Analog Remote Assembly or AirLynk.

X Series



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	Network Controller
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

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

BASIC SPECIFICATIONS

AIRFOIL DIAMETER	14ft	16ft	18ft	20ft	24ft
Airfoil Style	7.375" Extruded Anodized Aluminum Airfoil				
Number of Airfoils	6				
PERFORMANCE					
Max Speed	110 RPM	90 RPM	74 RPM	75 RPM	60 RPM
Recommended Spacing*	70 ft [21.3 m]	85 ft [25.9 m]	90 ft [27.4 m]	100 ft [30.5 m]	110 ft [33.5 m]
Max Affected Area	10,000 ft ² [929 m ²]	12,000 ft ² [1,115 m ²]	14,000 ft ² [1,301 m ²]	18,000 ft ² [1,673 m ²]	20,000 ft ² [1,858 m ²]
Sound Level dBA at Max Speed**	58	58	58	61	61
HANGING REQUIREMENTS					
Hanging Weight	183 lbs [83.01 Kg]	192 lbs [87.10 Kg]	201 lbs [91.17 Kg]	242 lbs [109.77 Kg]	260 lbs [117.93 Kg]
Max Torque	43 lbf/ft [58 Nm]	40 lbf/ft [54 Nm]	58 lbf/ft [79 Nm]	88 lbf/ft [119 Nm]	126 lbf/ft [171 Nm]
Max Thrust in Reverse	14 lbs [6.4 kg]	15 lbs [6.8 kg]	21 lbs [9.5 kg]	31 lbs [14.1 kg]	44 lbs [20 kg]
MOTOR AND DRIVE TRAIN					
Motor Type	Radial Flux PMAC motor				
Equivalent Horsepower Rating	1.25 HP (8-18ft) / 2.3 HP (20-24ft)				
Operating Temp Range	16°F [-10C°] - 104 F° [50C°]***				
MAX AMP DRAW					
208-240V Single Phase	9A	8.7A	8.4A	10.5A	13A
208-240V Three Phase	5.8A	6.1A	5A	6.2A	8.7A
400-480V Three Phase	2A	2A	2A	2.5A	3A
POWER AND CONTROLS					
Power Source	Single Phase 208-240 VAC / Three Phase 208-240 VAC / Three Phase 480 VAC 50/60 Hz				
Control Options	Digital Touchpad, MacroAir Controller 30, AirLynk - BacNet / LonWorks				
INSTALLATION					
Mounting Hardware	Universal Mount Hardware/ Rapid Mount Industrial (opt.)				
Extension	Optional extensions are available in 1ft increments; all drop lengths with UMH require guy wires				
RATINGS AND COMPLIANCE					
Fire and Sprinkler	NFPA Compliant				
Wash Down Duty Rating***	IP65				
Certifications	UL 507				

*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 control panel.

Fan Placement & Clearance

