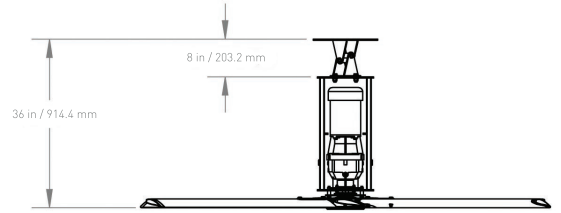


Y Series



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: DIAMETERS

Item #	Diameter	Motor Horsepower	Qty
MY08-0100-MA	8 ft / 2.44 m	1.0 HP	
MY10-0100-MA	10 ft / 3.05 m	1.0 HP	
MY12-0100-MA	12 ft / 3.66 m	1.0 HP	
MY14-0100-MA	14 ft / 4.27 m	1.0 HP	
MY16-0100-MA	16 ft / 4.88 m	1.0 HP	
MY18-0100-MA	18 ft / 5.49 m	1.0 HP	
MY20-0150-MA	20 ft / 6.07 m	1.5 HP	
MY24-0200-MA	24 ft / 7.32 m	2.0 HP	

STEP 2: VOLTAGE

Item #	Voltage Options	Qty
2xx1-MA	208-240V Single Phase, 50/60 Hz	
2xx3-MA	208-240V Three Phase, 50/60 Hz	
4xx3-MA	480V Three Phase, 50/60 Hz	

xx=horsepower

STEP 3: MOUNTING

Item #	Mount Options	Qty
60-90006-00	Series Universal Mount: I-beam Hardware Kit	
60-40041-00	Glulam Hardware Kit (for Universal Mount)	

STEP 4: 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 (per fan)** (see pg.24 for details)	
30-10011-00	AirLynk - LonWorks (per fan)** (see pg.24 for details)	
10-04009-00	AirEffect (per fan)*** (see pg.23 for details)	

*Not available for 20 ft & 24 ft fans

**\$75 deduct per fan ordered

***Only available for Controller 30 (Not Included)

Y Series

OPTIONAL: EXTENSIONS

Item #	Length (ft/in)	Length (m)	Qty
50-80100-02	1 ft	0.30 m	
50-80200-02	2 ft	0.61 m	
50-80300-02	3 ft	0.91 m	
50-80400-02	4 ft	1.22 m	
50-80500-02	5 ft	1.52 m	
50-80600-02	6 ft	1.82 m	
50-80700-02	7 ft	2.13 m	
50-80800-02	8 ft	2.44 m	
50-80900-02	9 ft	2.74 m	

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

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

OPTIONAL: POWDER COATING

Item #	Diameter	Estimated Lead Time	Qty
60-10008-02	8 ft / 2.44 m	15 business days	
60-10010-02	10 ft / 3.05 m	15 business days	
60-10012-02	12 ft / 3.66 m	15 business days	
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	
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Special Frame & Extension Finishes

70-10610-02	All Diameters	15 business days	\$500
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*Price does not include the blade set.

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

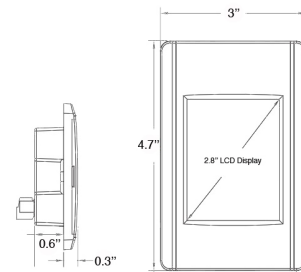
Item #	Description	Qty
-EX	Explosion Proof Motor** -1.0 HP	

**Only available for 8ft-18ft

Y 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

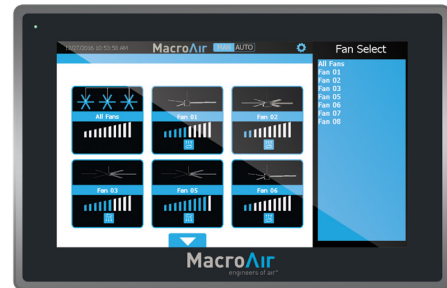
Note: Only one type of fan control can be used: Controller 30, Digital Remote Assembly, Analog Remote Assembly or AirLynk.

Y 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	8ft	10ft	12ft	14ft	16ft	18ft	20ft	24ft
Airfoil Style	7.375" Extruded Anodized Aluminum Airfoil							
Number of Airfoils	6							
PERFORMANCE								
Max Speed	202 RPM	162 RPM	129 RPM	103 RPM	84 RPM	70 RPM	70 RPM	62 RPM
Recommended Spacing*	50 ft [15.2 m]	60 ft [18.3 m]	65 ft [19.8 m]	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	3,600 ft ² [336 m ²]	6,000 ft ² [557 m ²]	8,000 ft ² [743 m ²]	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	58	58	58	61	61
HANGING REQUIREMENTS								
Hanging Weight	171 lbs [77.56 Kg]	178 lbs [80.74 Kg]	189 lbs [85.73 Kg]	195 lbs [88.45 Kg]	202 lbs [91.63 Kg]	208 lbs [94.35 Kg]	217 lbs [98.43 Kg]	270 lbs [122.5 Kg]
Max Torque	18 lbf/ft [24 Nm]	24 lbf/ft [33 Nm]	31 lbf/ft [42 Nm]	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	4 lbs [1.8 kg]	6 lbs [2.7 kg]	9 lbs [4.1 kg]	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	AC induction Motor with a sealed 2-stage helical gear box							
Equivalent Horsepower Rating	1.0 HP (8-18ft) / 1.5 HP (20ft) / 2.0 HP (24ft)							
Operating Temp Range	16°F [-10C°] - 104 F° [40C°]							
MAX AMP DRAW								
208-240V Single Phase	20.2A							
08-240V Three Phase	10.8A							
480V Three Phase	4.3A							
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	AirVolution Universal Mount							
Extension	Optional extensions are available in 1ft increments; all drop lengths require guy wires							
RATINGS AND COMPLIANCE								
Fire and Sprinkler	NFPA Compliant							
Wash Down Duty Rating***	IP55							
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

