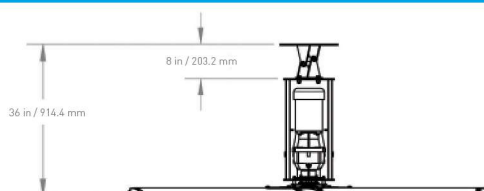The ultimate utility fan, the MacroAir AirLegacy industrial fan uses tried and true technology which is proven to last over time. The AirLegacy uses a reliable gearbox-driven power unit to provide huge airflow at a great value. With basic features and accessories, the AirLegacy industrial fan will meet any budget while performing better than any fan in its class.

STANDARD FEATURES

- Integrated Gearmotor
- Clearcoat anodized airfoil blades
- Forward, reverse, variable speed
- Variable frequency drive- basic fire alarm integration
- Analog remote for one-to-one fan control
- Safety Components: safety cable, Universal Mount with guy wires, blade retainer links

8 in / 203.2 mm

36 in / 914.4 mm

Conforms to UL Std 507
Certified to CSA Std C22.2 No. 113

STEP 1: DIAMETERS

Item #	Diameter	Qty
MZ08-0100-MA	8 ft Power Unit, 1.0 HP	
MZ10-0100-MA	10 ft Power Unit, 1.0 HP	
MZ12-0100-MA	12 ft Power Unit, 1.0 HP	
MZ14-0100-MA	14 ft Power Unit, 1.0 HP	
MZ16-0100-MA	16 ft Power Unit, 1.0 HP	
MZ18-0100-MA	18 ft Power Unit, 1.0 HP	
MZ20-0150-MA	20 ft Power Unit, 1.5 HP	
MZ24-0200-MA	24 ft Power Unit, 2.0 HP	

STEP 2: VOLTAGE

Item #	Voltage Options	Qty
1xx1-MA*	100-120V Single Phase, 50/60 Hz	
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	
6xx3-MA	600V Three Phase, 50/60 Hz	

xx=horsepower (Use 10,15, or 20 for 1 HP, 1.5HP and 2.0 HP respectively. HP based on diameter selection from step 1 above)

STEP 3: MOUNTING

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

STEP 4: CONTROLS

Item #	Description	Qty
30-90301-00	Analog Remote Assembly (Standard)	

*Only available for 8ft-18ft

AirLegacy

OPTIONAL: EXTENSIONS

Item #	Length (ft/in)	Length (m)	Qty
51-80100-02	1 ft	0.30 m	
51-80200-02	2 ft	0.61 m	
51-80300-02	3 ft	0.91 m	
51-80400-02	4 ft	1.22 m	
51-80500-02	5 ft	1.52 m	
51-80600-02	6 ft	1.82 m	
51-80700-02	7 ft	2.13 m	
51-80800-02	8 ft	2.44 m	
51-80900-02	9 ft	2.74 m	
(51-8ftin-02)	Customization fee		

AirLegacy EXTENSIONS are an additional drop tube attached to the top of the frame. Without an Extension, the total drop for an AirLegacy fan is 3 ft (fan, frame, and mount)

AirLegacy fans can only be connected with a single-piece of custom length extension.

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 Extension 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
60-10008-02	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 Finishes			
Mounting Hardware & Frame	All Diameters	15 business days	
Extension (where applicable)	All Diameters	15 business days	

For powder coating colors, please refer to Appendix A.

ADDITIONAL OPTIONS

Item #	Description	Qty
-FD	Food-Grade / Stainless Steel - 1.0 HP*	
-EX	Explosion Proof Motor -1.0 HP* (Separate Motor and Gearbox)	

*Only Available for 8ft-18ft

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

	8ft	10ft	12ft	14ft	16ft	18ft	20ft	24ft
Max Speed	204 RPM	162 RPM	129 RPM	103 RPM	84 RPM	74 RPM	70 RPM	65 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 ft² [336 m²]	6,000 ft² [557 m²]	8,000 ft² [743 m²]	10,000 ft² [929 m²]	12,000 ft² [1,115 m²]	14,000 ft² [1,301 m²]	18,000 ft² [1,673 m²]	20,000 ft² [1,858 m²]
Sound Level dBA at Max Speed**	58	58	58	58	58	58	61	61
Carrier/Switching Frequency**	10,000Hz							8,000Hz

HANGING REQUIREMENTS

	8ft	10ft	12ft	14ft	16ft	18ft	20ft	24ft
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 ft-lb [24 Nm]	24 ft-lb [33 Nm]	31 ft-lb [42 Nm]	43 ft-lb [58 Nm]	40 ft-lb [54 Nm]	58 ft-lb [79 Nm]	88 ft-lb [119 Nm]	126 ft-lb [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

	8ft	10ft	12ft	14ft	16ft	18ft	20ft	24ft
100-120V Single Phase	16.6A	16.6A	16.6A	16.6A	16.6A	16.6A	N/A	N/A
208-240V Single Phase	20.2A	20.2A	20.2A	20.2A	20.2A	20.2A	20.2A	20.2A
208-240V Three Phase	10.8A	10.8A	10.8A	10.8A	10.8A	10.8A	10.8A	10.8A
480V Three Phase	4.3A	4.3A	4.3A	4.3A	4.3A	4.3A	4.3A	4.3A
600V Three Phase	2A	2A	2A	2A	2A	2A	N/A	N/A

POWER AND CONTROLS

Power Source	Single Phase 100-120 VAC 50/60 Hz / Single Phase 208-240 VAC 50/60 Hz / Three Phase 208-240 VAC 50/60 Hz / Three Phase 480 VAC 50/60 Hz / Three Phase 600 VAC 50/60 Hz
Control Options	Analog Remote

INSTALLATION

Mounting Hardware	Universal Mount Hardware
Extension	Optional extensions are available in 1 ft increments; all drop lengths require guy wires

RATINGS AND COMPLIANCE

Fire and Sprinkler	NFPA Compliant
Wash Down Duty Rating***	IP55
Certifications	ETL/INTERTEK - Conforms to UL Std 507 / Certified to CSA Std C22.2 No. 113

*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. Carrier frequency will be audible to some listeners and is considered normal during operation. For more information on fan selection with regard to decibel level and carrier frequency, please see page XXXX.

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