

AIRELITE/20

20 ft. Commercial Fan
Model No. MA20XL0506



GENERAL

Model Number	MA20XL0506
Diameter	20 FT / 6.07 Meters
Blade Style	XL
Number of Blades	6
Nominal Horsepower	0.5 HP / 0.372 kW
Hanging Weight	198 lbs / 89.8 Kg
*Add 5 lbs per foot of extension used for installation	
Shipping Weight	310 lbs / 140.6 Kg
Power Unit Pallet Dimensions / Weight	
26" X 30" X 26" / 160 lbs / 0.66 X 0.76 X 0.66 Meters / 72.6 Kg	
Blade Pallet Dimensions / Weight	
120" X 25" X 15" / 150 lbs / 3.0 X 0.63 X 0.38 Meters / 68.0 Kg	

PERFORMANCE (AT MAX SPEED)

Thrust	34 FT lbs
Displacement (fwd, blowing down)	173,436 CFM / 4,908 CMM
Displacement (rev, blowing up)	128,435 CFM / 3,635 CMM
Maximum Speed	53 RPM
Power Usage @ Max. Speed	0.35 kW
Efficiency @ 100% Max. Speed	495.53 CFM/Watt / 14.02 CMM/Watt
Maximum Effective Area	14,000 SQ FT / 1,300 m ²
Typical Industrial Spacing	85 FT / 7.89 Meters
Sound Level @ Max. Speed	50 dB*

MOUNTING HARDWARE

Standard Mount	Fully Adjustable rigid mount with I-Beam Clamp. 9.5" drop w/o extension
Glulam Mount (Optional)	Fully Adjustable rigid mount with Glulam bracket. 9.5" drop w/o extension
Additional Drop Extensions (Optional)	Up to 2 FT in 1 FT Increments

MOTOR

Power	0.5 HP / 0.372 kW
Max Operating Temperature	40C°
Insulation Class	F
Service Factor	1.15

GEARBOX

Type	Sealed 2-Stage Helical w/ Pressure Relief Valve
Service Interval	Lubed For Life

VARIABLE FREQUENCY DRIVE (VFD)

Standard Power and Max Amp Draw	120V, 208-240V 1Ø (11.6A), 208-240V 3Ø (6.7A)
Remote Control Wall Mounted Switch NEMA 4X	Fwd/Off/Rev w/Speed Control Knob
RF Line Filter	Built In VFD
Remote Cable	100 Feet / 30.5 Meters
Options	50-60Hz Operation
Special Wiring (Variable Speed Model Only)	Thermostats, fire alarm interface, VESDA, networking etc. (Consult Factory)
Fire Disconnect	Yes, with touchpad remote only.
Network Controller	Yes
Extension Restrictions	Up to 2 ft with no guy wires. Over 2 ft with guy wires has no max length

SAFETY COMPONENTS

Blade Retainer Links (6), Safety Cable, Guy Wires (Universal mount only), Patented Inter-Locking Hub

WARRANTY

12 Year** Service Life Warranty on Motor, Gearbox & Control Panel.
Lifetime on Blades, Hub & Mounting System.

*dB values were obtained by testing. Specific applications/installation values may vary.

**Labor allowance to remove and replace in 1st year.

Contact MacroAir for full warranty details. Specifications are subject to change.

