

AIRELITE/16

16 ft. Commercial Fan
Model No. MA16XL0506



GENERAL

Model Number..... MA16XL0506
Diameter 16 FT / 4.88 Meters
Blade Style XL
Number of Blades 6
Nominal Horsepower 0.5 HP / 0.372 kW
Hanging Weight 184 lbs / 83.5 Kg
*Add 5 lbs per foot of extension used for installation
Shipping Weight..... 285 lbs / 129.3 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
96" X 25" X 15" / 125 lbs / 2.4 X 0.63 X 0.38 Meters / 56.7 Kg

PERFORMANCE (AT MAX SPEED)

Thrust 28 FT lbs
Displacement (fwd, blowing down) 124,600 CFM / 3,526 CMM
Displacement (rev, blowing up) 102,750 CFM / 2,908 CMM
Maximum Speed 72 RPM
Power Usage @ Max. Speed 0.3 kW
Efficiency @ 100% Max. Speed 415.33 CFM/Watt / 11.75 CMM/Watt
Maximum Effective Area 9,500 SQ FT / 882.55 m²
Typical Industrial Spacing 75 FT / 6.96 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.

