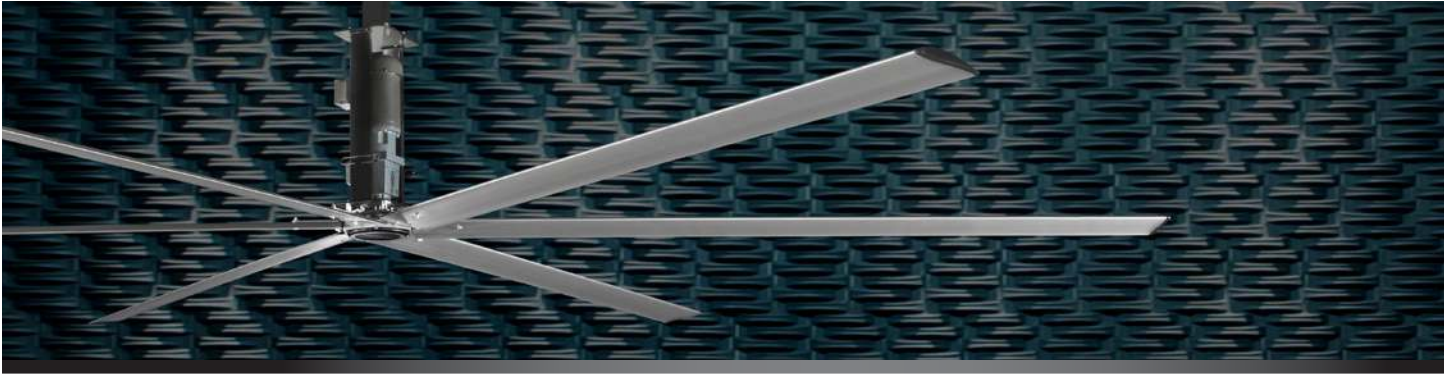


AIRVOLUTION/12

12 ft. 1HP Fan
Model No. MA12XL1006



GENERAL

Model Number MA12XL1006
Diameter 12 FT / 3.66 Meters
Blade Style XL
Number of Blades 6
Nominal Horsepower 1.0 HP / 0.75 kW
Hanging Weight (average) 190 lbs / 86.2 Kg
Shipping Weight (Including MCP,
Mounting Hardware) (average) 330 lbs / 149.7 Kg
Power Unit Pallet Dimensions / Weight
26" X 30" X 31" / 225 lbs / 0.66 X 0.76 X 0.79 Meters / 102.1 Kg
Blade Pallet Dimensions / Weight
72" X 25" X 15" / 105 lbs / 1.8 X 0.63 X 0.38 Meters / 47.6 Kg

PERFORMANCE (AT MAX SPEED)

Thrust 27.3 lbf
Displacement (fwd, blowing down) 97,695 CFM / 2,764.8 CMM
Displacement (rev, blowing up) 68,387 CFM / 1,935.4 CMM
Maximum Speed 121 RPM
Power Usage @ Max. Speed 0.6 kW
Efficiency @ 100% Max. Speed 162.83 CFM/Watt / 4.61 CMM/Watt
Maximum Effective Area 8,000 SQ FT / 743.2 m²
Typical Industrial Spacing 65 FT / 19.81 Meters
Sound Level @ Max. Speed 58 dB*

MOUNTING HARDWARE

Standard Mount Universal I-Beam Clamp w/ Swivel Joint and a 7.5" Drop
Glulam Mount (Optional) Brackets w/ Swivel Joint & 7.5" Drop
Extra Wide / Thick I-Beam Mount (Optional) Upon Request
Additional Drop Extensions (Optional) Up to 10 FT in 1 FT Increments

MOTOR

Power 1.0 HP / 0.75 kW
Ambient 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

MOTOR CONTROL PANEL (MCP)

Standard Power and Max. Amp Draw 120V, 208-240V 1Ø (11.6A), 208-240V 3Ø (6.7A), 460-480V 3Ø (3.5A), 600V 3Ø (1.6A)
Enclosure NEMA 1
Disconnect Switch 20-25 Amp, Lockable
Remote Control Wall Mounted Switch NEMA 4X Fwd/Off/Rev w/Speed Control Knob
RF Line Filter Built In VFD
VFD Motor Drive Cable 25 Feet / 7.62 Meters
Remote Cable 100 Feet / 30.48 Meters
Options NEMA 4/ 4x Enclosure, 50-60Hz Operation, Line Reactor
Special Wiring (Variable Speed Model Only) Thermostats, fire alarm interface, VESDA, networking etc. (Consult Factory)
Fire Disconnect Yes
Network Controller Yes
Extension Restrictions No Max

SAFETY COMPONENTS

Blade Retainer Links (6), Safety Cable, Guy Wires (Ceiling 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.

