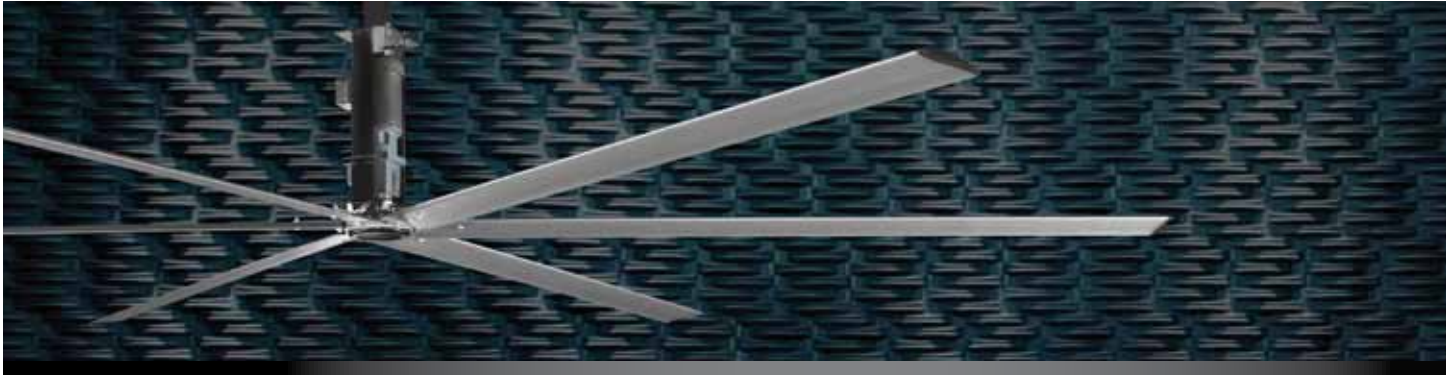


AIRVOLUTION/18

18 ft. 1HP Fan
Model No. MA18XL1006



GENERAL

Model Number	MA18XL1006
Diameter	18 FT / 5.49 Meters
Blade Style	XL
Number of Blades	6
Nominal Horsepower	1.0 HP / 0.75 kW
Hanging Weight (average)	222 lbs / 100.7 Kg
Shipping Weight (Including MCP, Mounting Hardware) (average)	396 lbs / 179.6 Kg
Power Unit Pallet Dimensions / Weight	26" X 30" X 33.5" / 246 lbs / 0.66 X 0.76 X 0.85 Meters / 111.58 Kg
Blade Pallet Dimensions/Weight	108" X 25" X 15" / 146 lbs 2.7 X .63 X .38 Meters / 66.4 Kg

PERFORMANCE (AT MAX SPEED)

Thrust	40.8 lbf
Displacement (fwd, blowing down)	179,015 CFM / 5069.1 CMS
Displacement (rev, blowing up)	125,311 CFM / 3548.4 CMS
Maximum Speed	71 RPM
Power Usage @ Max. Speed	.648 kW
Efficiency @ 100% Max. Speed	368.35 CFM/Watt / 10.43 CMS/Watt
Maximum Effective Area	15,000 SQ FT / 1393.5 m ²
Typical Industrial Spacing	90 FT / 27.43 Meters
Maximum dB	58*

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	2-Stage Helical
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)
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, 50hz Operation, Line Reactor
Special Wiring (Variable Speed Model Only)	Thermostats, fire alarm interface, VESDA, networking etc. (Consult Factory)

SAFETY COMPONENTS

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

WARRANTY

12 YRS* on Motor, Gearbox & Control Panel.
Limited 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.



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