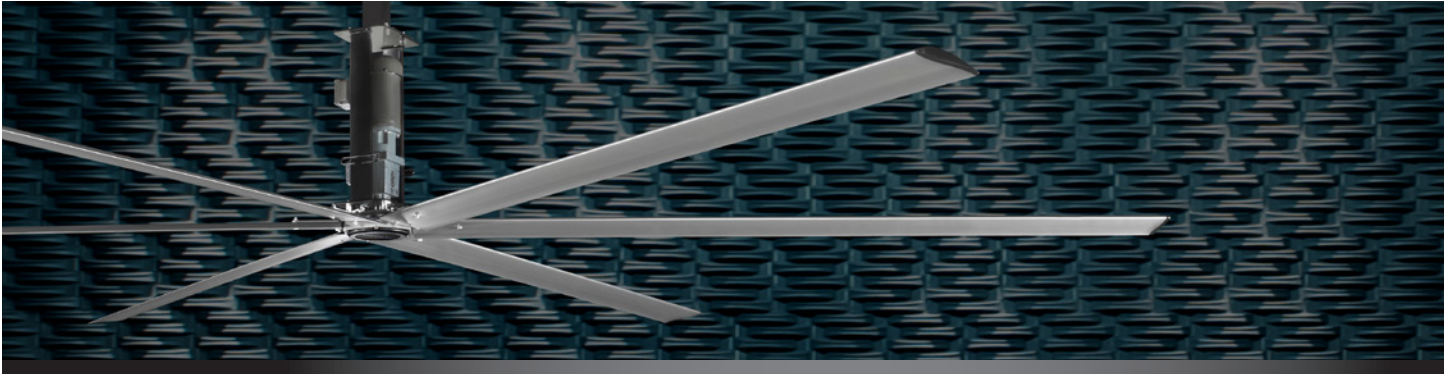


AIRVOLUTION/20

20 ft. 1HP Fan
Model No. MA20XL1006



GENERAL

Model Number.....	MA20XL1006
Diameter	20 FT / 6.07 Meters
Blade Style	XL
Number of Blades	6
Nominal Horsepower	1.0 HP / 0.75 kW
Hanging Weight (average)	232 lbs / 105.2 Kg
Shipping Weight (Including MCP, Mounting Hardware) (average)	375 lbs / 170.1 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 120" X 25" X 15" / 150 lbs / 3.0 X 0.63 X 0.38 Meters / 68.0 Kg	

PERFORMANCE (AT MAX SPEED)

Thrust	42.0 lbf
Displacement (fwd, blowing down)	201,805 CFM / 5,711.1 CMM
Displacement (rev, blowing up)	141,264 CFM / 3,997.8 CMM
Maximum Speed	60 RPM
Power Usage @ Max. Speed	0.6 kW
Efficiency @ 100% Max. Speed	336.34 CFM/Watt / 9.52 CMM/ Watt
Maximum Effective Area	16,000 SQ FT / 1,486.5 m ²
Typical Industrial Spacing	95 FT / 29.57 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.

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NuEra

14409 NE 79th St, Vancouver, WA 98682

www.nueraheat.com
1-(800) 347-9575