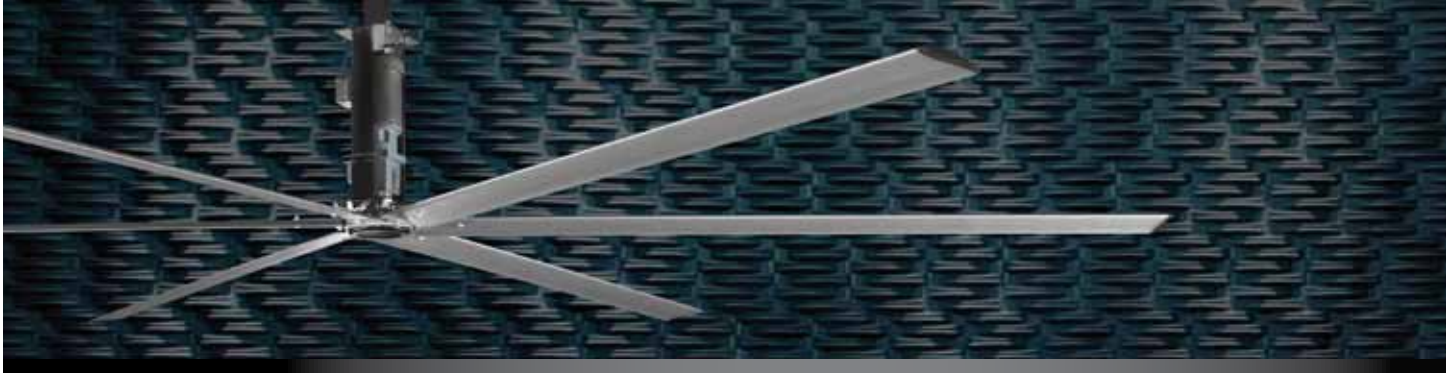


AIRVOLUTION/20

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) | 406 lbs / 184.2 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 | 120" X 25" X 15" / 152 lbs / 3.0 X .63 X .38 Meters / 69.1 Kg |

PERFORMANCE (AT MAX SPEED)

| | |
|----------------------------------|--------------------------------------|
| Thrust | 42.0 lbf |
| Displacement (fwd, blowing down) | 201,805 CFM / 5714.5 CMS |
| Displacement (rev, blowing up) | 141,264 CFM / 4000.2 CMS |
| Maximum Speed | 60 RPM |
| Power Usage @ Max. Speed | .592 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 | 95 FT / 29.57 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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