

THRUST

“54.4 lbf”

Airvolution™ Family
24 Foot 1HP Fan
MA24XL1006

General

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|--|--|
| Model Number ----- | MA24XL1006 |
| Diameter ----- | 24 FT / 7.32 Meters |
| Blade Style ----- | WhisperFoil XL |
| Number of Blades ----- | 6 |
| Nominal Horsepower ----- | 1.0 HP / .75 kW |
| Hanging Weight (average) ----- | 240 lbs/ 108.8 Kg |
| Shipping Weight (Including MCP, Mounting Hardware) (average) ----- | 436 lbs / 197.8 Kg |
| Power Unit Pallet Dimensions / Weight ----- | 26" X 30" X 33.5" / 246 lbs / 0.66 X 0.76X 0.85 Meters / 111.58 Kg |
| Blade Pallet Dimensions / Weight ----- | 144" X 25" X 15" / 191 lbs / 3.6 X .63 X .38 Meters / 86.8 Kg |

Performance (at max speed)

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|--|--------------------------------------|
| Displacement (fwd, blowing down) ----- | 275,694 CFM / 7806.8 CMS |
| Displacement (rev, blowing up) ----- | 192,986 CFM / 5464.8 CMS |
| Maximum Speed ----- | 50 RPM |
| Power Usage @ Max. Speed ----- | .694 kW |
| Efficiency @ 100% Max. Speed ----- | 529.67 CFM/Watt / 15 CMS/Watt |
| Maximum Effective Area ----- | 18,000 SQ FT / 1673.3 m ² |
| Typical Industrial Spacing ----- | 100 FT / 30.48 Meters |
| Maximum dB----- | 58* |

Mounting Hardware

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|--|--|
| 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) ----- | Consult Factory |
| Additional Drop Extensions (Optional) ----- | Up to 10 FT in 1 FT Increments |

Motor

| | |
|------------------------------------|--------------|
| HP----- | 1.0 / .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 ----- | 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 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) (NG models only), 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



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