



COLOSSUS INDUSTRIAL HVLS FAN

PRODUCT SPECIFICATIONS

HIGH VOLUME LOW SPEED FAN



Design Highlights

- Optimized 5-blade profile for low speed rotary airfoil application and near ground effect
- Large “Air Current Depth” - horizontal floor jet of 3-9 ft (1-3 m)
- NACA airfoil profile reduces drag while producing more airflow
- Standard black corrosion-resistant anodized blades
- Fan Safety System incorporates steel hub, aircraft-grade safety cable and guy wires
- Patent pending aluminum hub and blade support system
- High efficiency Variable Frequency Drive (VFD)
- Less than 55 dBA*
- Adjustable speed control panel with forward/off/reverse switch, self-diagnostics and 4 digit pass code protection
- Aerodynamic blade winglets with patent-pending design
- Supplied with 25 feet of Power Cable pre-wired to fan motor (connection to power source by others)
- Fused disconnect
- Patented facility fire system compatibility (can be daisy chained)
- ULC 507 Approved (Entire Fan)

*Results of sound measurement in the field may vary due to variations in surface types, environment and conditions.

Motor Size

- 1.5 HP (All Blade Sizes except 24FT)
- 2 HP (24 FT/7.3 M Blades Only)

Fan Diameter

- 8 FT (2.4 M)
- 10 FT (3.0 M)
- 12 FT (3.7 M)
- 14 FT (4.3 M)
- 16 FT (4.9 M)
- 18 FT (5.5 M)
- 20 FT (6.1 M)
- 24 FT (7.3 M)

Available Options

- Mounting Extension _____FT / M
- Extra Wide Beam Plate _____FT / M
- Powder Coated Blades _____
- Custom Powder Coated Frame & Mount
- Fire Control Panel (Standard & Networked Fans)
- Multiple Fan Remote (2–6)
- iFan 4.3
- iFan 7.0
- BAS Integration
- Slave Remote

Project Information

Job Name _____
 Address _____
 General Contractor _____
 Distributor _____
 Model _____ Quantity _____ Voltage/Phase _____

Certified For Construction

By _____
 Company _____
 Address _____
 Date _____



E506041

EPS-CIHVLS-0120

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| Construction | |
|---------------------------|--|
| Frame | Black Powder Coat / Welded Steel Fabrication |
| Hub Assembly | 6061-T6 Aluminum |
| Blade Struts (Invertible) | Clear Zinc / High Tensile Steel |
| Blades | Anodized / 6063-T6 Aluminum |
| Blade End Winglets | Aluminum 3003-H14 |

| Safety Components | |
|----------------------|---|
| Steel Hub Plate | |
| Safety Cable | Galvanized 1/4" x 7 x 19 Steel Aircraft Grade Cable |
| Guy Wires | Galvanized 1/8" x 7 x 19 Steel Aircraft Grade Cable |
| Rotor Retaining Ring | Zinc Plated / 3/16 A569 Steel |

| Mounting Hardware | |
|--|--|
| Standard Mount | Universal I-Beam Clamp w/ Swivel Joint & 7" Drop |
| Laminated Wood Beam Clamp (Optional) | Brackets |
| Extra Wide / Thick I-Beam Mount (Optional) | Consult Factory |
| Additional Drop Extensions (Optional) | Up to 10 FT in 1 FT Increments |

| Source Voltage | |
|--|---------------------------------------|
| Standard Power | 208-230V 1Ø or 3Ø, 460-480V, 575V 3Ø* |
| *Requires additional transformer enclosure | |

| Gearbox and Motor | |
|---|-----------------|
| Enclosure / Insulation Class / Efficiency Class | IP55 / F / IE3 |
| Type | 2-Stage Helical |
| Service Interval | Lubed For Life |

| VFD Assembly | |
|----------------------------|----------------------------------|
| Enclosure | NEMA 1 |
| Remote CAT 5E Cable | 1 - 100 Feet / 30.48 Meters |
| 50hz Operation (Optional) | [Not included with iFAN™ option] |
| Disconnect | Panel Mount, UL/CE |
| UL Certified | |
| *Internal Fusing Included* | |

| Fan Control Station | |
|---------------------|-------------------|
| Type | Touchscreen LCD |
| Connection | CAT 5E (provided) |
| Mounting | STD Wall J-Box |

| Warranty | |
|--|------------------------|
| Lifetime Warranty on Blades, Hub & Frame | 15-Year Mechanical |
| 15-Year Non Pro Rated | 7-Year Electrical |
| 1-Year Labor | 1-Year on all Controls |

| Fan Size | Hanging Weight | Normal Industrial Spacing | RPM | CFM <small>* Tested to ANSI / AMCA Standard 230-15 HVLS*</small> |
|--------------|-------------------|---------------------------|-----|---|
| 8 FT 1.5 HP | 164 lbs. [73 kg] | 55 feet | 198 | 40,089 |
| 10 FT 1.5 HP | 173 lbs. [82 kg] | 60 feet | 154 | 58,763 |
| 12 FT 1.5 HP | 181 lbs. [86 kg] | 65 feet | 125 | 81,357 |
| 14 FT 1.5 HP | 189 lbs. [86 kg] | 70 feet | 106 | 106,317 |
| 16 FT 1.5 HP | 198 lbs. [94 kg] | 90 feet | 92 | 133,147 |
| 18 FT 1.5 HP | 206 lbs. [101 kg] | 95 feet | 81 | 157,869 |
| 20 FT 1.5 HP | 214 lbs. [105 kg] | 100 feet | 72 | |
| 24 FT 2.0 HP | 231 lbs. [107 kg] | 110 feet | 60 | |

NOTICE

For more complete information on the application, proper use, maintenance and warranties for this product, please go to www.epicfan.com

