



### 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 includes guy wires and safety cable
- Patent pending aluminum hub and blade support system
- High efficiency Variable Frequency Drive (VFD)
- Adjustable speed control panel with forward/off/reverse switch, self-diagnostics and 4 digit pass code protection
- Aerodynamic blade winglets with patent-pending design and made from high density polyethylene (HDPE)
- Supplied with 25 feet of Power Cable pre-wired to fan motor (connection to power source by others)
- UL Certified Motor and VFD Assembly
- Fused disconnect
- Patent-pending facility fire system compatibility (can be daisy chained)

### 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

- Powder Coated Blades \_\_\_\_\_
- Custom Powder Coated Frame & Mount
- Fire Control Panel for iFAN™ or Standard Fans
- Extra Wide Beam Plate \_\_\_\_\_ FT / M
- Mounting Extension \_\_\_\_\_ FT / M
- Multi Fan Remote (2-6)
- Building Management Control Integration (Consult Factory)

### Project Information

Job Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 General Contractor \_\_\_\_\_  
 Distributor \_\_\_\_\_  
 Model \_\_\_\_\_ Quantity \_\_\_\_\_ Voltage/Phase \_\_\_\_\_

### Certified For Construction

By \_\_\_\_\_  
 Company \_\_\_\_\_  
 Address \_\_\_\_\_  
 Date \_\_\_\_\_



# KIF INDUSTRIAL HVLS FAN

## PRODUCT SPECIFICATIONS

ENTRE/MATIC

HIGH VOLUME LOW SPEED FAN

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	HDPE - High Density Polyethylene

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 (8 ft - 24 ft models)	Universal I-Beam Clamp w/ Swivel Joint & 12" 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

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	
*Line Reactor & Internal Fusing Included*	All 1Ø and 3Ø panels

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

Warranty	
Lifetime Warranty on Blades, Hub & Frame	
15-Year Service Life Limited Warranty	
1-Year Labor	

Fan Size	Hanging Weight	Normal Industrial Spacing	RPM
8 FT 1.5 HP	164 lbs. [73 kg]	55 feet	198
10 FT 1.5 HP	173 lbs. [82 kg]	60 feet	154
12 FT 1.5 HP	181 lbs. [86 kg]	65 feet	125
14 FT 1.5 HP	189 lbs. [86 kg]	70 feet	106
16 FT 1.5 HP	198 lbs. [94 kg]	90 feet	92
18 FT 1.5 HP	206 lbs. [101 kg]	95 feet	81
20 FT 1.5 HP	214 lbs. [105 kg]	100 feet	72
24 FT 2 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.kelleyentrematic.com](http://www.kelleyentrematic.com).

