

KIF 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
- Contributes to LEED® Certification credits and qualifies for most energy rebate programs
- 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 and line reactor standard
- Patent-pending facility fire system compatibility (can be daisy chained)

Motor Size

- □ 1 HP (All Blade Sizes except 24FT)
- \square 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
- ☐ Custom Color Winglets
- ☐ Fire Control Panel for iFAN™ or Standard Fans
- ☐ Extra Wide Beam Plate _____FT / M
- ☐ Mounting Extension _____FT / M
- ☐ Custom Logo on Hub Cover
- ☐ NEMA 4X Remote Enclosure
- ☐ Multi Fan Remote (2, 3, or 4 units)
- ☐ Standard Fan with Temp control
- ☐ Building Management Control Integration (Consult Factory)
- ☐ Corrosion Resistant Package
- ☐ Explosion Proof Motor (Consult Factory)

Project Information

Certified For Construction





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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	HDPE - High Density Polyethelyene	

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	
Optional Power	120V (Not available on 24 ft diameter)	

Gearbox and Motor			
Enclosure / Insulation Class / Efficiency Class	IP55 / F / 1E2		
Туре	2-Stage Helical		
Service Interval	Lubed For Life		

VFD Assembly		
Enclosure NEMA 1		
Remote CAT 5E Cable	2 - 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 10 and 30 panels	

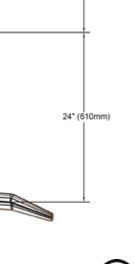
Fan Control Station			
Туре	Touchscreen LCD		
Connection	CAT 5E (provided)		
Mounting	STD Wall J-Box		

Connection Mounting	CAT 5E (provided) STD Wall J-Box		
	STD Walt 3-Dox	<u>*</u>	
Warranty		BUILDING STRUCTURE	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Lifetime Warranty on Blades, Hub & Frame		✓ STRUCTURE	8 ^{1/4} " (210 mm)
12-Year Service Life Limited Warranty			4 (2.5)
3-Year Parts and 1-Year Labor	ا	-	
- E	9 0		
ENTREMATIC		<u> </u>	12" (305mm)
4 ^{5/8} " [118 mm] 3" [76 mm]			24* (610mm)

Fan Size	Hanging Weight	Normal Industrial RPN	
8 FT 1 HP	160 lbs. (73 kg)	55 feet	174
10 FT 1 HP	181 lbs. (82 kg)	60 feet	122
12 FT 1 HP	190 lbs. (86 kg)	65 feet	114
14 FT 1 HP	194 lbs. (86 kg)	70 feet	87
16 FT 1 HP	215 lbs. (94 kg)	90 feet	80
18 FT 1 HP	224 lbs. (101 kg)	95 feet	70
20 FT 1 HP	232 lbs. (105 kg)	100 feet	60
24 FT 2 HP	258 lbs. (107 kg)	110 feet	58

14" (356 mm)

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





Enter Fan Diameter