



DIRECT DRIVE INDUSTRIAL HVLS FAN

PRODUCT SPECIFICATIONS



Project Information

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

Construction or Engineering Approval

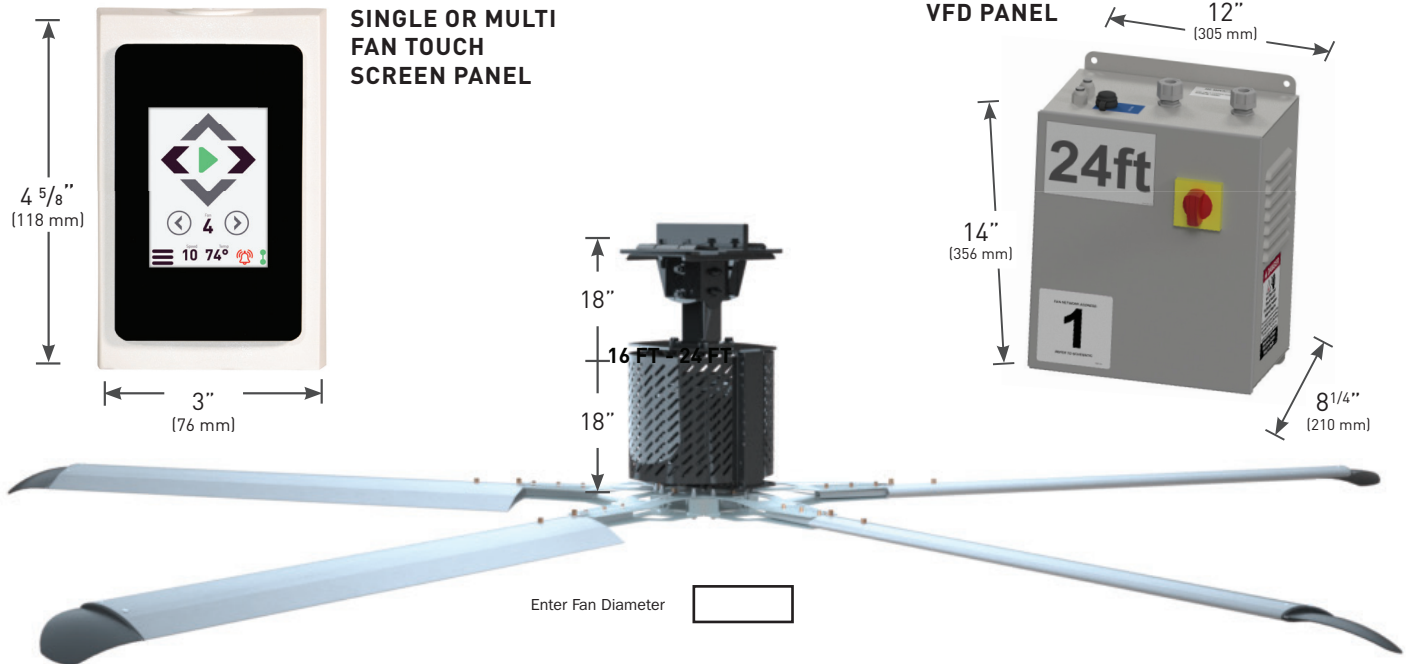
By _____
Company _____
Address _____
Date _____





DIRECT DRIVE INDUSTRIAL HVLS FAN

PRODUCT SPECIFICATIONS



ELECTRICAL SIZING CHART

FAN SIZE	8 FT - 14 FT				16 FT - 24 FT		
VOLTAGE	120V/1PH/50 60 HZ	230V/1PH/50 60 HZ	208V/3PH/50 60 HZ	460V/3PH/50 60 HZ	230V/1PH/50 60 HZ	208V/3PH/50 60 HZ	460V/3PH/50 60 HZ
FLA	7.5A	7.5A	7.5A	3.75A	7.5A	7.5A	3.75A
FUSE	KTKR20	KTKR15	KTKR10	KTKR5	KTKR15	KTKR10	KTKR5
MOTOR	0.8kW, 6.0FLA @ 230V, 60 HZ	0.8kW, 6.0FLA @ 230V, 60 HZ	0.8kW, 6.0FLA @ 230V, 60 HZ	0.8kW, 3.0FLA @ 460V, 60 HZ	1.2kW, 6.0FLA @ 230V, 60 HZ	1.2kW, 6.0FLA @ 230V, 60 HZ	1.2kW, 3.0FLA @ 460V, 60 HZ
VFD	100-120/1PH 1HP/0.75KW/4.2A	200-240/3PH 3HP/2.0KW/10.0A	200-240/3PH 3HP/2.0KW/10.0A	360-480/3PH 3HP/2KW/5.0A	200-240/3PH 3HP/2.0KW/10.0A	200-240/3PH 3HP/2.0KW/10.0A	360-480/3PH 3HP/2KW/5.0A
O/L	4.2A	6.9A	6.9A	3.45A	6.9A	6.9A	3.45A

CONSTRUCTION

GENERAL COMPONENTS	
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

MOUNTING HARDWARE	
Standard Mount	Universal I-Beam Clamp w/ Swivel Joint & 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

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



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SSF-DDHVL5-0925





DIRECT DRIVE INDUSTRIAL HVLS FAN

PRODUCT SPECIFICATIONS

Control Options

- ☐ Wired Touch Screen
- ☐ Wired Touch Screen with Temperature Control
- ☐ Multi Fan Remote (2-6) Fans ☐ Slave Remote
- ☐ NEMA 4X Remote Enclosure
- ☐ NEMA 4X VFD Enclosure
- ☐ iFan 4.3 (12 Fans Max/3 Groups Max) *120V Power Required
 - ☐ Humidity/Temperature Sensor ☐ BACnet TCP/IP
 - ☐ Wireless RF Module
- ☐ iFan 7.0 (24 Fans Max/4 Groups Max) *120V Power Required
 - ☐ BACnet TCP/IP ☐ Humidity/Temperature Sensor
 - ☐ BACnet MSTP ☐ Web Server *Can decrease the amount of fans on the system*
 - ☐ Wireless RF Module
- ☐ iFan 10.0 (30 Fans Max/4 Groups Max) *120V Power Required
 - ☐ BACnet TCP/IP ☐ Humidity/Temperature Sensor
 - ☐ BACnet MSTP ☐ Web Server *Can decrease the amount of fans on the system*
 - ☐ Wireless RF Module
- ☐ BMS Interface Card
 - ☐ Modbus TCP/IP ☐ BACnet TCP/IP
 - ☐ BACnet MSTP ☐ Slave Remote

Voltage

- ☐ 110V Single Phase ☐ 208 - 240V 3 Phase
- *8'-14' Sizes Only*
- ☐ 208V Single Phase ☐ 460 - 480V 3 Phase
- ☐ 240V Single Phase ☐ 575V 3 Phase

Fire Panel

- ☐ Standard ☐ Networked

Standard Blade Colors



BLACK



SILVER

Direct Drive HVLS Fan Warranty: Please See Full Warranty Outline Located in the HVLS Users Manual

Mechanical	Electrical	Labor	Standard Remote	iFan Controls	BMS Interface Card	Accessory Sensors
15 Years	7 Years	1 Year	1 Year	1 Year	1 Year	1 Year



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DIRECT DRIVE INDUSTRIAL HVLS FAN AMCA CHART

Fan Diameter (ft)	Calculated % of Max CFM	Calculated % of Max RPM	Fan RPM	CFM *Tested to ANSI/AMCA Standard 230-15 HVLS*	Voltage / Phase / Frequency	Large Diameter Ceiling Fan - Ceiling Fan Energy Index (CFEI)	Standby Power [Watts]	Electrical Input Power [Watts] at Standard Air Density	Direction	Reversible?
8	15%	18%	35	6,817	120 V / Single Phase		7	29	Forward	Yes
	37%	41%	78	14,957	120 V / Single Phase	2.91	7	58	Forward	Yes
	58%	59%	116	22,679	120 V / Single Phase		7	142	Forward	Yes
	79%	81%	157	30,834	120 V / Single Phase		7	308	Forward	Yes
	100%	100%	195	39,040	120 V / Single Phase	1.64	7	585	Forward	Yes
10	19%	20%	30	12,227	120 V / Single Phase		7	36	Forward	Yes
	40%	46%	61	23,350	120 V / Single Phase	2.95	7	67	Forward	Yes
	61%	62%	92	35,123	120 V / Single Phase		7	174	Forward	Yes
	81%	83%	123	46,914	120 V / Single Phase		7	374	Forward	Yes
	100%	100%	149	57,796	120 V / Single Phase	1.58	7	402	Forward	Yes
12	15%	22%	27	11,955	120 V / Single Phase		7	42	Forward	Yes
	39%	41%	51	31,022	120 V / Single Phase	2.53	7	82	Forward	Yes
	60%	61%	76	47,190	120 V / Single Phase		7	200	Forward	Yes
	80%	81%	100	63,000	120 V / Single Phase		7	434	Forward	Yes
	100%	100%	124	78,863	120 V / Single Phase	1.47	7	840	Forward	Yes
14	20%	24%	25	21,500	120 V / Single Phase		7	44	Forward	Yes
	42%	42%	45	44,185	120 V / Single Phase	2.65	7	95	Forward	Yes
	61%	59%	63	65,051	120 V / Single Phase		7	245	Forward	Yes
	80%	80%	85	85,226	120 V / Single Phase		7	540	Forward	Yes
	100%	100%	106	106,456	120 V / Single Phase	1.42	7	1064	Forward	Yes
16	21%	26%	23	26,607	208 V / Single Phase		7	73	Forward	Yes
	42%	44%	40	53,183	208 V / Single Phase	1.87	7	138	Forward	Yes
	62%	63%	57	79,393	208 V / Single Phase		7	303	Forward	Yes
	81%	82%	74	103,504	208 V / Single Phase		7	603	Forward	Yes
	100%	100%	90	127,208	208 V / Single Phase	1.48	7	997	Forward	Yes
18	22%	27%	22	35,055	208 V / Single Phase		7	79	Forward	Yes
	42%	44%	36	66,284	208 V / Single Phase	1.8	7	157	Forward	Yes
	62%	63%	51	97,437	208 V / Single Phase		7	350	Forward	Yes
	80%	81%	66	127,334	208 V / Single Phase		7	659	Forward	Yes
	100%	100%	81	158,260	208 V / Single Phase	1.38	7	1234	Forward	Yes
20	25%	29%	21	47,422	208 V / Single Phase		7	86	Forward	Yes
	43%	46%	33	82,713	208 V / Single Phase	1.79	7	172	Forward	Yes
	62%	64%	46	118,333	208 V / Single Phase		7	377	Forward	Yes
	81%	82%	59	150,758	208 V / Single Phase		7	738	Forward	Yes
	100%	100%	72	185,019	208 V / Single Phase	1.27	7	1394	Forward	Yes
24	23%	27%	15	52,845	208 V / Single Phase		7	71	Forward	Yes
	37%	42%	23	84,008	208 V / Single Phase	1.86	7	134	Forward	Yes
	64%	67%	37	145,009	208 V / Single Phase		7	378	Forward	Yes
	83%	84%	46	186,846	208 V / Single Phase		7	756	Forward	Yes
	100%	100%	55	225,582	208 V / Single Phase	1.19	7	1344	Forward	Yes



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