



INDUSTRIAL HVLS FAN PRODUCT SPECIFICATIONS



Project Information

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

Construction or Engineering Approval

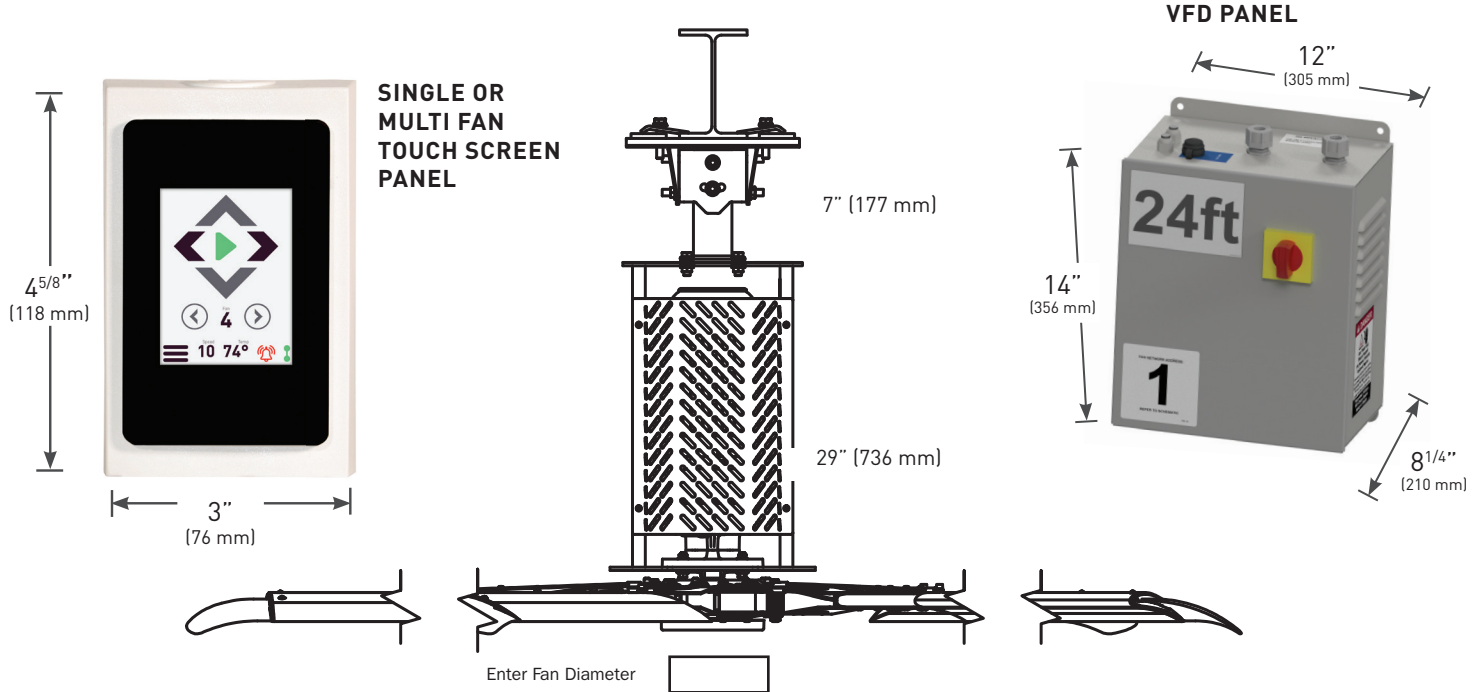
By _____
Company _____
Address _____
Date _____



SercoDockProducts.com



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ELECTRICAL SIZING CHART

FAN SIZE	8 FT - 20 FT			24 FT		
VOLTAGE	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	5A	5A	2.5A	6.79A	6.79A	3.4A
FUSE	KTKR15	KTKR10	KTKR5	KTKR20	KTKR10	KTKR5
MOTOR	1.5HP, 4.0FLA @ 230V, 60 HZ	1.5HP, 4.0FLA @ 230V, 60 HZ	1.5HP, 2.0FLA @ 460V, 60 HZ	2.0HP, 5.43FLA @ 230V, 60 HZ	2.0HP, 5.43FLA @ 230V, 60 HZ	2.0HP, 2.72FLA @ 460V, 60 HZ
VFD	200-240/1PH 2HP/1.5KW/7.0A	200-240/3PH 2HP/1.5KW/7.0A	360-480/3PH 2HP/1.5KW/3.6A	200-240/1PH 2HP/1.5KW/7.0A	200-240/3PH 2HP/1.5KW/7.0A	360-480/3PH 2HP/1.5KW/3.6A
O/L	4.6A	4.6A	2.3A	6.24A	6.24A	3.13A

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 & 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

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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E506041



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Control Options

- ☐ Wired Touch Screen
- ☐ Wired Touch Screen with Temperature Control
- ☐ Multi Fan Remote (2-6) Fans
- ☐ 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

- ☐ 208V Single Phase
- ☐ 240V Single Phase
- ☐ 208 - 240V 3 Phase
- ☐ 460 - 480V 3 Phase
- ☐ 575V 3 Phase

Fire Panel

- ☐ Standard
- ☐ Networked

Mechanical Options

- ☐ Mounting Extensions _____ FT / M
- ☐ Extra Wide Beam Plate _____ inch wide beam
- ☐ Powder Coated Blades _____ RAL Color
- ☐ Powder Coated Frame & Mount _____ RAL Color
- ☐ Powder Coated Winglets _____ RAL Color
- ☐ Corrosion Resistant Package **consult factory
- ☐ Black Anodized Blades
- ☐ Silver Anodized Blades
- ☐ Black Motor Covers
- ☐ Silver Motor Covers
- ☐ Laminated Wood Beam Brackets
- ☐ Truss Span Mounting Kit (consult factory)
- ☐ Z-Purlin Mounting Kit (consult factory)

Model Number	Fan Size	Hanging Weight	Normal Industrial Spacing	RPM
SF08-155	8 FT 1.5 HP	164 lbs. (73 kg)	55 feet	198
SF10-155	10 FT 1.5 HP	173 lbs. (82 kg)	60 feet	154
SF12-155	12 FT 1.5 HP	181 lbs. (86 kg)	65 feet	125
SF14-155	14 FT 1.5 HP	189 lbs. (86 kg)	70 feet	106
SF16-155	16 FT 1.5 HP	198 lbs. (94 kg)	90 feet	92
SF18-155	18 FT 1.5 HP	206 lbs. (101 kg)	95 feet	81
SF20-155	20 FT 1.5 HP	214 lbs. (105 kg)	100 feet	72
SF24-205	24 FT 2.0 HP	231 lbs. (107 kg)	110 feet	60

Standard Blade Colors



BLACK



SILVER

Industrial 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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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	23%	26%	51	9,283	208 V / Single Phase		6	45	Forward	Yes
	43%	44%	87	17,084	208 V / Single Phase	1.81	6	110	Forward	Yes
	62%	63%	125	24,614	208 V / Single Phase		6	237	Forward	Yes
	81%	81%	162	32,233	208 V / Single Phase		6	456	Forward	Yes
	100%	100%	199	39,570	208 V / Single Phase	1.26	6	778	Forward	Yes
10	25%	28%	42	14,202	208 V / Single Phase		6	57	Forward	Yes
	43%	46%	68	24,750	208 V / Single Phase	1.62	6	133	Forward	Yes
	63%	64%	95	35,736	208 V / Single Phase		6	283	Forward	Yes
	81%	82%	122	46,522	208 V / Single Phase		6	527	Forward	Yes
	100%	100%	149	57,124	208 V / Single Phase	1.2	6	890	Forward	Yes
12	22%	25%	31	17,779	208 V / Single Phase		6	44	Forward	Yes
	42%	44%	55	33,749	208 V / Single Phase	1.89	6	124	Forward	Yes
	62%	63%	78	50,068	208 V / Single Phase		6	295	Forward	Yes
	82%	81%	101	65,641	208 V / Single Phase		6	584	Forward	Yes
	100%	100%	124	80,156	208 V / Single Phase	1.28	6	1002	Forward	Yes
14	23%	27%	28	23,773	208 V / Single Phase		6	51	Forward	Yes
	43%	45%	46	43,842	208 V / Single Phase	1.71	6	145	Forward	Yes
	62%	63%	65	63,794	208 V / Single Phase		6	335	Forward	Yes
	81%	82%	84	83,480	208 V / Single Phase		6	653	Forward	Yes
	100%	100%	103	102,927	208 V / Single Phase	1.22	6	1142	Forward	Yes
16	18%	25%	23	23,479	208 V / Single Phase		6	52	Forward	Yes
	40%	43%	40	50,905	208 V / Single Phase	1.64	6	148	Forward	Yes
	61%	62%	57	77,582	208 V / Single Phase		6	346	Forward	Yes
	80%	80%	74	102,461	208 V / Single Phase		6	687	Forward	Yes
	100%	100%	92	127,604	208 V / Single Phase	1.23	6	1214	Forward	Yes
18	23%	27%	21	34,416	208 V / Single Phase		6	59	Forward	Yes
	42%	44%	34	63,414	208 V / Single Phase	1.58	6	170	Forward	Yes
	61%	62%	48	93,275	208 V / Single Phase		6	395	Forward	Yes
	81%	81%	63	123,351	208 V / Single Phase		6	771	Forward	Yes
	100%	100%	78	151,781	208 V / Single Phase	1.15	6	1342	Forward	Yes
20	23%	25%	18	41,327	208 V / Single Phase		6	52	Forward	Yes
	41%	43%	31	73,461	208 V / Single Phase	1.76	6	156	Forward	Yes
	61%	61%	44	108,969	208 V / Single Phase		6	386	Forward	Yes
	80%	81%	58	143,336	208 V / Single Phase		6	786	Forward	Yes
	100%	100%	72	179,224	208 V / Single Phase	1.14	6	1634	Forward	Yes
24	21%	25%	15	50,474	208 V / Single Phase		6	60	Forward	Yes
	38%	44%	26	93,186	208 V / Single Phase	1.53	6	180	Forward	Yes
	59%	64%	38	145,476	208 V / Single Phase		6	459	Forward	Yes
	80%	81%	48	196,274	208 V / Single Phase		6	932	Forward	Yes
	100%	100%	59	245,291	208 V / Single Phase	1.14	6	1720	Forward	Yes



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