



APEX COMMERCIAL HVLS FAN

PRODUCT SPECIFICATIONS



Project Information

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

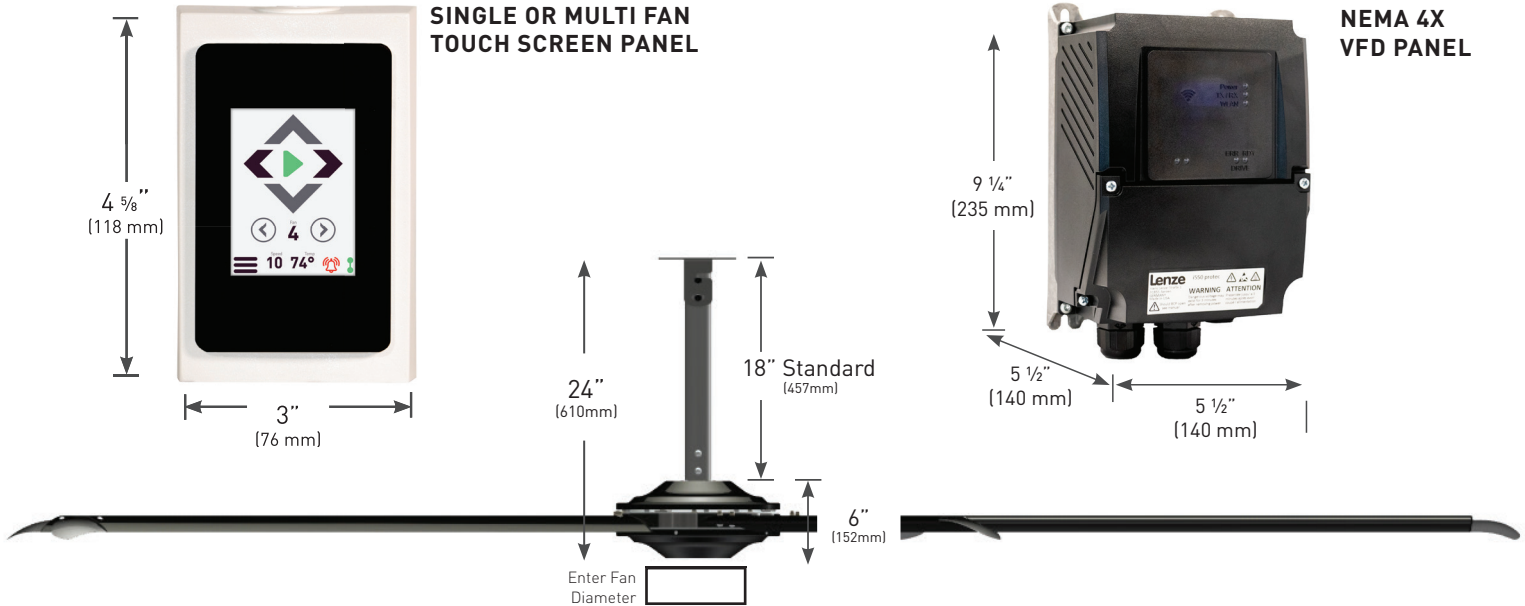
Construction or Engineering Approval

By _____
Company _____
Address _____
Date _____



APEX COMMERCIAL HVLS FAN

PRODUCT SPECIFICATIONS



ELECTRICAL SIZING CHART

FAN SIZE	ALL SIZES		
VOLTAGE	120V/1PH/50 60 HZ	230V/1PH/50 60 HZ	230V/3PH/50 60 HZ
FLA	4.13A	4.13A	4.13A
BCPD	30A	15A 1PH	10A 3PH
MOTOR	0.58HP, 3.3FLA @ 127V, 60 HZ	0.58HP, 3.3FLA @ 127V, 60 HZ	0.58HP, 3.3FLA @ 127V, 60 HZ
VFD	"100-120/1PH 1HP/0.75KW/16.8A"	"200-240/1PH-3PH 1HP/0.75KW/4.2A"	"200-240/1PH-3PH 1HP/0.75KW/4.2A"
O/L	3.8A	3.8A	3.8A

CONSTRUCTION

GENERAL COMPONENTS	
Hub Assembly	50,000 lbs. Yield High Tensile Steel
Motor Housing	.050 3003 Aluminum, Powder coated
Blades	6063-T6 Aluminum, Powder coated
Blade End Winglets	6061-T6 Aluminum, Powder coated
SAFETY COMPONENTS	
Blade Attachment Retainers	50,000 lbs Yield High Tensile Steel
MOUNTING HARDWARE	
Standard Mount	Versatile 45° Mounting Bracket
Additional Drop Extensions (Optional)	Up to 15 FT - 1 FT increments

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

Fire Panel

- ☐ Standard
- ☐ Networked

Available Colors

Standard RAL powder coat colors below. Custom colors and combinations are available.



Mechanical Options

- ☐ Mounting Extensions _____ FT / M
- ☐ Silver (RAL 9006) ☐ Blue (RAL 5013)
- ☐ Black (RAL 9017) ☐ Green (RAL 6016)
- ☐ White (RAL 9003) ☐ Orange (RAL 2004)
- ☐ Red (RAL 3002) ☐ Others _____
- ☐ Extra Wide Beam Mount
- ☐ Laminated Wood Beam Brackets
- ☐ Truss Span Mounting Kit (consult factory)
- ☐ Z-Purlin Mounting Kit (consult factory)

Voltage

- ☐ 120V Single Phase
- ☐ 208V - 240V 3 Phase
- ☐ 208 - 240V Single Phase

Model Number	Fan Size	Motor	Hang Weight	RPM
ECF06-05	6 FT	.58 HP	50 lbs (22.7 kg)	180
ECF08-05	8 FT	.58 HP	54 lbs (24.7 kg)	155
ECF10-05	10 FT	.58 HP	59 lbs (26.8 kg)	110
ECF12-05	12 FT	.58 HP	63 lbs (28.6 kg)	80
ECF14-05	14 FT	.58 HP	68 lbs (30.8 kg)	60

Commercial 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
10 Years	5 Years	1 Year	1 Year	1 Year	1 Year	1 Year





EPIC FANS

APEX COMMERCIAL 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	Efficacy (CFM/W)	Standby Power [Watts]	Electrical Input Power [Watts] at Standard Air Density	Direction	Reversible?
6	21%	18%	36	3,446	120 V / Single Phase	137.71	6	27	Forward	Yes
	36%	39%	78	5,856	120 V / Single Phase	170.14	6	38	Forward	Yes
	55%	59%	118	9,116	120 V / Single Phase	171.71	6	58	Forward	Yes
	78%	80%	159	12,875	120 V / Single Phase	150.34	6	94	Forward	Yes
	100%	100%	200	16,458	120 V / Single Phase	111.52	6	163	Forward	Yes
						Large Diameter Ceiling Fan - Ceiling Fan Energy Index (CFEI)				
8	18%	20%	31	5,272	120 V / Single Phase		6	28	Forward	Yes
	36%	41%	63	10,580	120 V / Single Phase	3.06	6	41	Forward	Yes
	57%	62%	95	16,763	120 V / Single Phase		6	76	Forward	Yes
	78%	83%	127	22,862	120 V / Single Phase		6	141	Forward	Yes
	100%	100%	153	29,168	120 V / Single Phase	1.86	6	268	Forward	Yes
10	20%	23%	25	7,422	120 V / Single Phase		6	27	Forward	Yes
	38%	42%	46	13,907	120 V / Single Phase	2.71	6	41	Forward	Yes
	58%	62%	68	21,138	120 V / Single Phase		6	73	Forward	Yes
	79%	81%	89	28,553	120 V / Single Phase		6	136	Forward	Yes
	100%	100%	110	36,242	120 V / Single Phase	1.6	6	246	Forward	Yes
12	26%	28%	22	16,814	120 V / Single Phase		6	28	Forward	Yes
	42%	45%	36	22,582	120 V / Single Phase	2.69	6	41	Forward	Yes
	60%	64%	51	27,641	120 V / Single Phase		6	71	Forward	Yes
	80%	81%	65	33,760	120 V / Single Phase		6	128	Forward	Yes
	100%	100%	80	42,151	120 V / Single Phase	1.26	6	237	Forward	Yes
14	25%	25%	15	19,589	120 V / Single Phase		6	25	Forward	Yes
	38%	42%	25	24,592	120 V / Single Phase	2.89	6	34	Forward	Yes
	61%	58%	35	30,017	120 V / Single Phase		6	53	Forward	Yes
	81%	83%	50	40,218	120 V / Single Phase		6	122	Forward	Yes
	100%	100%	60	49,035	120 V / Single Phase	1.17	6	227	Forward	Yes



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