



Project Information

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

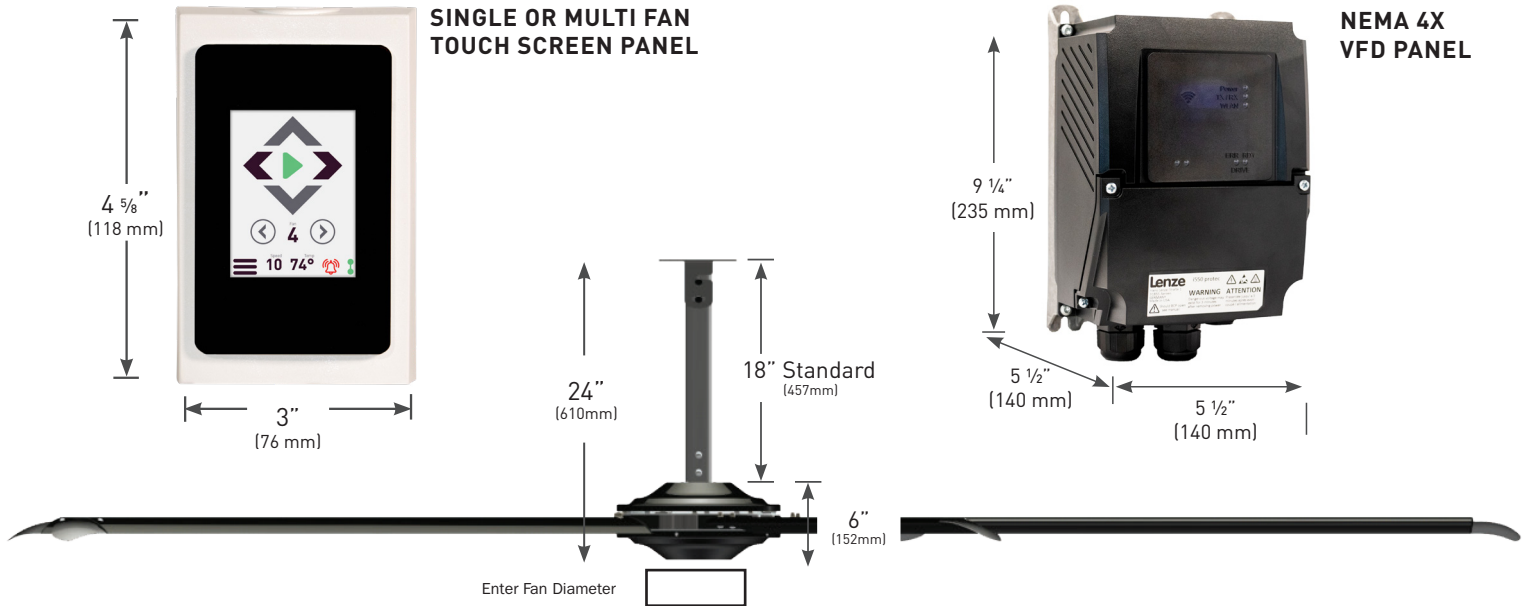
Construction or Engineering Approval

By _____
Company _____
Address _____
Date _____



APEX COMMERCIAL HVLS FAN

PRODUCT SPECIFICATIONS



ELECTRICAL SIZING CHART

| FAN SIZE | 6 FT - 14 FT | | |
|---------------|-------------------------|--------------------------|--------------------------|
| Input Voltage | 100-120V, 1PH, 50/60 HZ | 200V-240V, 1PH, 50/60 HZ | 200V-240V, 3PH, 50/60 HZ |
| System FLA | 4.13A @ 120V, 1PH, 60HZ | 4.13A @ 230V, 1PH, 60HZ | 4.13A @ 230V, 3PH, 60HZ |
| Motor HP | 0.58 HP, 0.43 KW | 0.58 HP, 0.43 KW | 0.58 HP, 0.43 KW |
| Motor Voltage | 127V, 60 HZ | 127V, 60 HZ | 127V, 60 HZ |
| Motor FLA | 3.3A | 3.3A | 3.3A |
| BCPD | 25A | 15A | 10A |
| MCA* | 21A | 12.5A | 8A |

*MCA is the Minimum Circuit Ampacity. In accordance with NEC 430.122(A), MCA is calculated as 125% of the rated input current of the VFD.

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 |

APEX COMMERCIAL 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

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 |



4Front Engineered Solutions certifies that the commercial model 8'-14' shown herein is licensed to bear the AMCA seal. The ratings shown are based on the tests and procedures performed in accordance with AMCA publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

AMCA Certified ratings seal applies at free delivery only. Performance ratings do not include the effects of appurtenances (accessories).



4Front Engineered Solutions reserves the right to change specifications and designs without notice and without incurring obligations. 4Front Engineered Solutions products may be the subject of one or more U.S. and/or foreign, issued and/or pending, design and/or utility patents. Epic and Epic Fans as words and logos are registered trademarks belonging to ASSA ABLOY Entrance Systems AB or other companies controlled by the same organization.

©ASSA ABLOY Entrance Systems. All Rights Reserved. Part of ASSA ABLOY

1612 Hutton Drive, Suite 140 • Carrollton, TX 75006, USA • Tel: 866-696-2464 • Fax: 972-389-4224 • HVLSFans@epicfan.com • www.epicfan.com ESF-ACHVLS-0725

