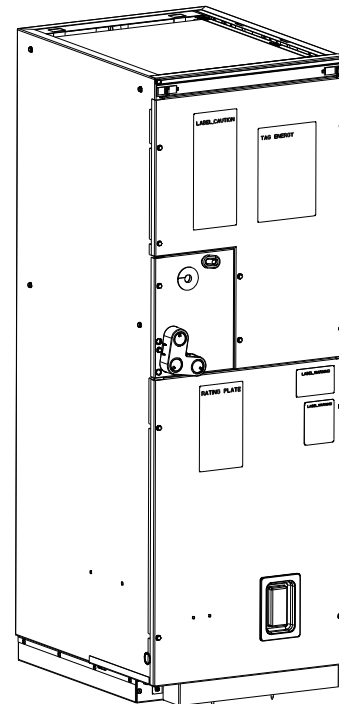


**FEVB****Vertical Configuration Electric Furnace with ECM Motor, and NAVA5 Accessory Coil, for R-454B Refrigerant Sizes 2T - 5T****Product Specifications****FEVB FEATURES / BENEFITS**

- Sizes 2 thru 5 tons
- Multiple electrical entry locations
- Factory installed heater packages from 10 kW - 20 kW available separately
- Approved for use in manufactured housing
- 208/230-1-60 supply voltage
- 1 inch thick insulation with R value of 4.2
- ECM 5-speed motor
- Designed for vertical (upflow / downflow) configuration installs only
- Low voltage circuit protective fuse (3A) in-line on wire harness
- For field use, plug connection to R-454B Dissipation Control
- Compatible with R-454B and R-410A coils, and R-454B and R-410A outdoor units respectively

\* Applies to original purchaser/homeowner and not available to subsequent owners, except in jurisdictions where laws dictate otherwise. See Warranty certificate for complete details and restrictions.

**LIMITED WARRANTY****FEVB Vertical Configuration Electric Furnace**

- 1 year limited warranty  
For manufactured housing applications only.  
See warranty certificate for complete details and restrictions.

**NAVA5 Accessory Coil**

- Default 5-year parts limited warranty  
– 10-year parts limited warranty with timely registration \*.  
Equipment must be registered within 90 days of original installation, except in jurisdictions where warranty benefits cannot be conditioned on registration.

A200509A



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to [www.ahridirectory.org](http://www.ahridirectory.org).



A200511

**Table 1 – Dimensions**

| Model Number | Size (Ton) | Nom. CFM | Operating Dimensions H x W x D, in. (mm)              | Filter Size, in. (mm)           | Shipping Dimensions H x W x D, in. (mm)          | Wt lb. (kg)   | Ship Wt w /pallet |
|--------------|------------|----------|-------------------------------------------------------|---------------------------------|--------------------------------------------------|---------------|-------------------|
| FEVB002410BA | 2          | 700      | 49-5/8 x 17-5/8 x 22-1/16<br>(1260.5 x 447.7 x 560.4) | 16 x 20 x 1<br>(406 x 508 x 25) | 53-1/2 x 18-3/4 x 24<br>(1358.9 x 476.3 x 609.6) | 97<br>(44.0)  | 109<br>(49.4)     |
| FEVB003610BA | 3          | 1050     | 49-5/8 x 17-5/8 x 22-1/16<br>(1260.5 x 447.7 x 560.4) | 16 x 20 x 1<br>(406 x 508 x 25) | 53-1/4 x 19 x 24-1/4<br>(1352.6 x 482.6 x 616)   | 99<br>(44.9)  | 111<br>(50.4)     |
| FEVB003612BA | 3          | 1050     | 49-5/8 x 17-5/8 x 22-1/16<br>(1260.5 x 447.7 x 560.4) | 16 x 20 x 1<br>(406 x 508 x 25) | 53-1/4 x 19 x 24-1/4<br>(1352.6 x 482.6 x 616)   | 100<br>(45.4) | 112<br>(50.8)     |

Table 1 – Dimensions

|                     |   |      |                                                          |                                 |                                                  |                 |                 |
|---------------------|---|------|----------------------------------------------------------|---------------------------------|--------------------------------------------------|-----------------|-----------------|
| <b>FEVB003615BA</b> | 3 | 1050 | 49-5/8 x 17-5/8 x 22-1/16<br>(1260.5 x 447.7 x 560.4)    | 16 x 20 x 1<br>(406 x 508 x 25) | 53-1/4 x 19 x 24-1/4<br>(1352.6 x 482.6 x 616)   | 101<br>(45.8)   | 113<br>(51.3)   |
| <b>FEVB004815CA</b> | 4 | 1400 | 53-7/16 x 21-1/8 x 22-1/16<br>(1357.3 x 536.6 x 560.4)   | 20 x 20 x 1<br>(508 x 508 x 25) | 57-1/4 x 22-1/2 x 24<br>(1454.2 x 571.5 x 609.6) | 116.5<br>(52.8) | 133<br>(60.3)   |
| <b>FEVB006020DA</b> | 5 | 1750 | 59-3/16 x 24-11/16 x 22-1/16<br>(1503.4 x 627.1 x 560.4) | 20 x 24 x 1<br>(508 x 610 x 25) | 62-3/4 x 26 x 24-1/2<br>(1593.9 x 660.4 x 622.3) | 131<br>(59.4)   | 147.5<br>(66.9) |

Table 2 – FEVB Fan Coil Model Number Identification Guide

| Digit Position                                                                                           | 1 | 2        | 3        | 4             | 5, 6      | 7,8       | 9,10      | 11       | 12                       |
|----------------------------------------------------------------------------------------------------------|---|----------|----------|---------------|-----------|-----------|-----------|----------|--------------------------|
| <b>F</b> = Fan Coil<br><b>UNIT</b>                                                                       |   | <b>E</b> | <b>V</b> | <b>B</b>      | <b>00</b> | <b>24</b> | <b>10</b> | <b>B</b> | <b>A</b><br>(Sales Code) |
| <b>E</b> = ECM<br><b>MOTOR TYPE</b>                                                                      |   |          |          |               |           |           |           |          |                          |
| <b>V</b> = Vertical (Upflow / Downflow)<br><b>INSTALLATION TYPE</b>                                      |   |          |          |               |           |           |           |          |                          |
| <b>B</b>                                                                                                 |   |          |          | <b>SERIES</b> |           |           |           |          |                          |
| <b>00</b> = No Refrigerant Coil<br><b>REFRIGERANT</b>                                                    |   |          |          |               |           |           |           |          |                          |
| <b>24</b> = 24,000 BTUH = 2 tons                                                                         |   |          |          |               |           |           |           |          |                          |
| <b>36</b> = 36,000 BTUH = 3 tons                                                                         |   |          |          |               |           |           |           |          |                          |
| <b>48</b> = 48,000 BTUH = 4 tons                                                                         |   |          |          |               |           |           |           |          |                          |
| <b>60</b> = 60,000 BTUH = 5 tons<br><b>MAX COOLING CAPACITY</b>                                          |   |          |          |               |           |           |           |          |                          |
| <b>10</b> = 10 kW<br><b>12</b> = 12 kW<br><b>15</b> = 15 kW<br><b>20</b> = 20 kW<br><b>ELECTRIC HEAT</b> |   |          |          |               |           |           |           |          |                          |
| <b>B</b> = 17-5/8"<br><b>C</b> = 21-1/8"<br><b>D</b> = 24-11/16"<br><b>CABINET WIDTH</b>                 |   |          |          |               |           |           |           |          |                          |

Table 3 – NAVA5 Accessory Coil Model Number Identification Guide

| Digit Position                                       | 1 | 2        | 3        | 4        | 5        | 6, 7      | 8, 9      | 10, 11    |
|------------------------------------------------------|---|----------|----------|----------|----------|-----------|-----------|-----------|
| <b>N</b> = Branding<br><b>N</b>                      |   | <b>A</b> | <b>V</b> | <b>A</b> | <b>5</b> | <b>36</b> | <b>01</b> | <b>CK</b> |
| <b>A</b> = Product Group (Accessory)                 |   |          |          |          |          |           |           |           |
| <b>V</b> = Vertical Coil (Upflow / Downflow)         |   |          |          |          |          |           |           |           |
| <b>A</b> = Major Series                              |   |          |          |          |          |           |           |           |
| <b>5</b> = R-454B Refrigerant Type                   |   |          |          |          |          |           |           |           |
| <b>36</b> = 36,000 BTUH = 3 tons                     |   |          |          |          |          |           |           |           |
| <b>48</b> = 48,000 BTUH = 4 tons                     |   |          |          |          |          |           |           |           |
| <b>60</b> = 60,000 BTUH = 5 tons<br><b>Unit Size</b> |   |          |          |          |          |           |           |           |
| <b>01</b> = 1 Piece<br><b>Pieces Shipped</b>         |   |          |          |          |          |           |           |           |
| <b>CK</b> = Coil Kit<br><b>Type of Kit</b>           |   |          |          |          |          |           |           |           |

Table 4 – Physical Data/Specifications - FEV

| NAVA5 Accessory Coil Specifications                                                                                          |                                |             |             |             |                                 |                                 |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|-------------|-------------|---------------------------------|---------------------------------|
| Unit                                                                                                                         | NAVA53601CK                    |             |             |             | NAVA54801CK                     | NAVA56001CK                     |
| Face Area (sq. ft)                                                                                                           | 3.96                           |             |             |             | 5.93                            | 7.42                            |
| Refrigerant Sweat or Press Fit Liquid Line Connection, in (mm)                                                               | 3/8 (9.5) ID                   |             |             |             |                                 |                                 |
| Refrigerant Sweat or Press Fit Suction Line Connection, in (mm)                                                              | 3/4 (19.1) ID                  |             |             |             | 7/8 (22.2) ID                   |                                 |
| Metering Device Puron Refrigerant                                                                                            | TXV                            |             |             |             |                                 |                                 |
| Unit                                                                                                                         | FEVB002410*                    | FEVB003610* | FEVB003612* | FEVB003615* | FEVB004815*                     | FEVB006020*                     |
| Filters                                                                                                                      |                                |             |             |             |                                 |                                 |
| The fan coil filter rack can accommodate most common size filters as well as some smaller filters with minimal modification. |                                |             |             |             |                                 |                                 |
| Market Specified Filter Dimensions (W x L), in (mm)                                                                          | 16 x 20 (406 x 508)            |             |             |             | 20 x 20 (508 x 508)             | 24 x 20 (584 x 508)             |
| Actual Filter Dimensions (W x L), in (mm) to Fit Fan Coil                                                                    | up to 16.5 x 19.75 (425 x 502) |             |             |             | up to 19.75 x 19.75 (502 x 502) | up to 23.75 x 19.75 (603 x 502) |
| Blower Assembly                                                                                                              |                                |             |             |             |                                 |                                 |
| Motor Type                                                                                                                   | Multi-tap ECM                  |             |             |             |                                 |                                 |
| Motor HP                                                                                                                     | 1/3                            | 1/2         |             |             | 3/4                             |                                 |
| CFM                                                                                                                          | 700                            | 1050        |             |             | 1400                            | 1750                            |

Table 5 – Dimensional Data (refer to drawings)

| Unit Size   | Size (ton) | Dimensions, in. (mm) |                  |                |                  |                 |                 |                  |         |        | Coil Type | Wt, lb (kg)  |
|-------------|------------|----------------------|------------------|----------------|------------------|-----------------|-----------------|------------------|---------|--------|-----------|--------------|
|             |            | A                    | B                | C              | D                | E               | F               | G                | Suction | Liquid |           |              |
| FEVB002410* | 2          | 49-5/8 (1260.5)      | 17-5/8 (447.7)   | 15-3/4 (400.0) | 15-5/8 (396.9)   | 15-3/4 (400.6)  | 23-1/2 (596.4)  | 23-3/16 (588.2)  | 3/4     | 3/8    | A         | 97 (44.0)    |
| FEVB003610* | 3          | 49-5/8 (1260.5)      | 17-5/8 (447.7)   | 15-3/4 (400.0) | 15-5/8 (396.9)   | 15-3/4 (400.6)  | 23-1/2 (596.4)  | 23-3/16 (588.2)  | 3/4     | 3/8    | A         | 99 (44.9)    |
| FEVB003612* | 3          | 49-5/8 (1260.5)      | 17-5/8 (447.7)   | 15-3/4 (400.0) | 15-5/8 (396.9)   | 15-3/4 (400.6)  | 23-1/2 (596.4)  | 23-3/16 (588.2)  | 3/4     | 3/8    | A         | 100 (45.4)   |
| FEVB003615* | 3          | 49-5/8 (1260.5)      | 17-5/8 (447.7)   | 15-3/4 (400.0) | 15-5/8 (396.9)   | 15-3/4 (400.6)  | 23-1/2 (596.4)  | 23-3/16 (588.2)  | 3/4     | 3/8    | A         | 101 (45.8)   |
| FEVB004815* | 4          | 53-7/16 (1357.3)     | 21-1/8 (536.6)   | 19-1/4 (489.0) | 19-1/8 (485.8)   | 19-3/4 (201.1)  | 27-5/16 (693.4) | 27 (685.2)       | 7/8     | 3/8    | A         | 116.5 (52.8) |
| FEVB006020* | 5          | 59-3/16 (1503.4)     | 24-11/16 (627.1) | 22-3/4 (577.8) | 22-11/16 (576.3) | 25-7/16 (645.9) | 33 (838.4)      | 32-11/16 (830.2) | 7/8     | 3/8    | A         | 131 (59.4)   |

- NOTE:
- 1. SERIES DESIGNATION IS THE 12TH AND 13TH POSITION OF UNIT PRODUCT NUMBER.
  - 2. ALL DIMENSIONS ARE IN "INCHES" UNLESS NOTED.

| UNIT       | SERIES | ELECTRICAL CHARACTERISTICS |   |  |  | A        | B         | C       | D         | E        | F        | G         | COIL CONFIGURATION |     | SHIPPING WT (LBS) |
|------------|--------|----------------------------|---|--|--|----------|-----------|---------|-----------|----------|----------|-----------|--------------------|-----|-------------------|
|            |        |                            |   |  |  |          |           |         |           |          |          |           | SLOPE              | "A" |                   |
| FEVB0024-B | 1      | X                          | O |  |  | 49 5/8"  | 17 5/8"   | 15 3/4" | 15 5/8"   | 15 3/4"  | 23 1/2"  | 23 3/16"  | —                  | X   | XXX               |
| FEVB0036-B | 1      | X                          | O |  |  | 49 5/8"  | 17 5/8"   | 15 3/4" | 15 5/8"   | 15 3/4"  | 23 1/2"  | 23 3/16"  | —                  | X   | XXX               |
| FEVB0048-C | 1      | X                          | O |  |  | 53 7/16" | 21 1/8"   | 19 1/4" | 19 1/8"   | 19 3/4"  | 27 5/16" | 27"       | —                  | X   | XXX               |
| FEVB0060-D | 1      | X                          | O |  |  | 59 3/16" | 24 11/16" | 22 3/4" | 22 11/16" | 25 7/16" | 33"      | 32 11/16" | —                  | X   | XXX               |
|            |        | 208/230-1-60               |   |  |  |          |           |         |           |          |          |           |                    |     |                   |
|            |        | 208/230-3-60               |   |  |  |          |           |         |           |          |          |           |                    |     |                   |

X=YES  
O=NO

NOTE: ALLOW 21" FROM FRONT FOR SERVICE

UNIT CONNECTION SIZES

SUCTION: 24 & 36 - 3/4" I.D. SWEAT  
48 & 60 - 7/8" I.D. SWEAT  
LIQUID: 3/8" I.D. SWEAT  
CONDENSATE: 3/4" FPT

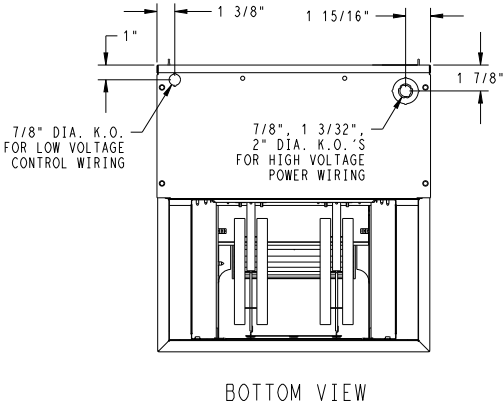
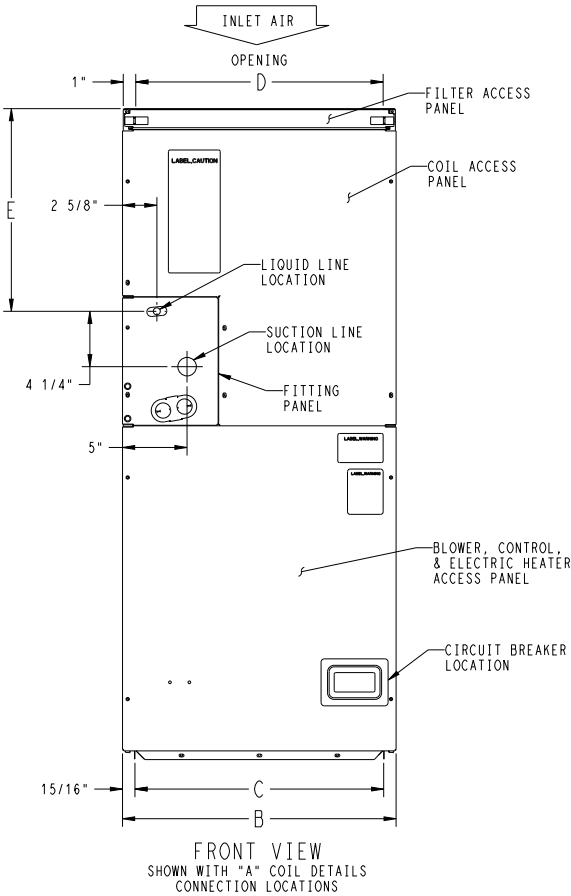
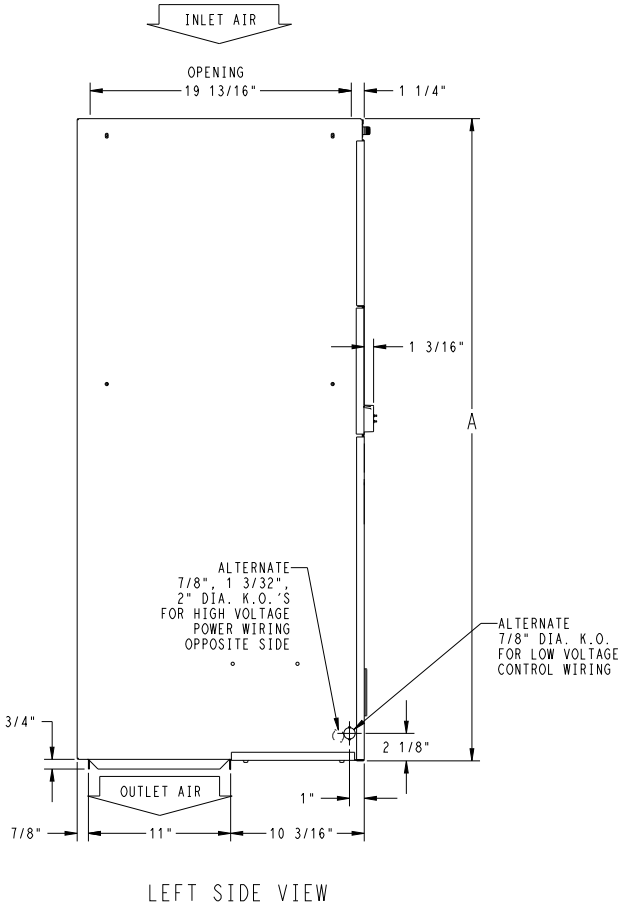


Fig. 1 – FEVB (English) - Sheet 1

NOTES:  
1. ALL DIMENSIONS ARE IN "INCHES" UNLESS NOTED.

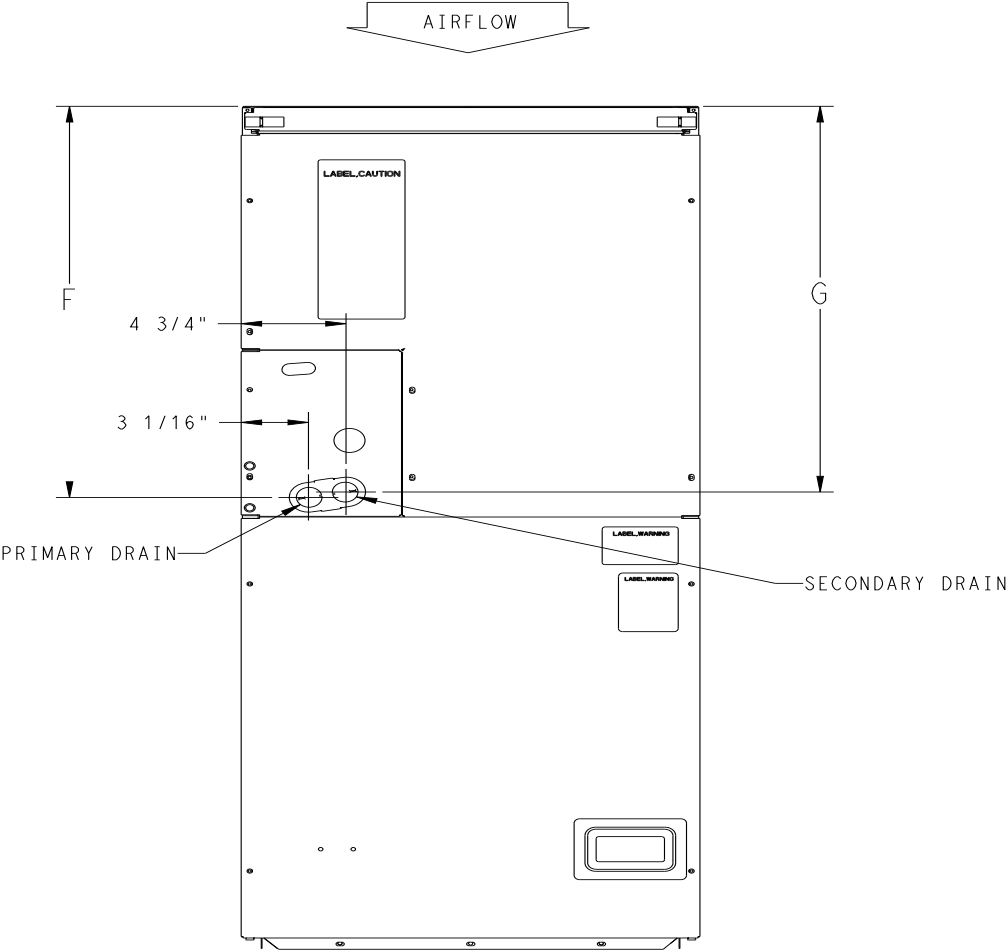


Fig. 2 – FEVB (English) - Sheet 2

A240094

- NOTE:
- 1. SERIES DESIGNATION IS THE 12TH AND 13TH POSITION OF UNIT PRODUCT NUMBER.
  - 2. ALL DIMENSIONS ARE IN "MM" UNLESS NOTED.

| UNIT       | SERIES | ELECTRICAL CHARACTERISTICS |              |  |  |  | A      | B     | C     | D     | E     | F     | G     | COIL CONFIGURATION |     | SHIPPING WT (LBS) |
|------------|--------|----------------------------|--------------|--|--|--|--------|-------|-------|-------|-------|-------|-------|--------------------|-----|-------------------|
|            |        |                            |              |  |  |  |        |       |       |       |       |       |       | SLOPE              | "A" |                   |
| FEVB0024-B | 1      | X                          | O            |  |  |  | 1260.5 | 447.7 | 400.0 | 396.9 | 400.6 | 596.4 | 588.2 | -                  | X   | XXX               |
| FEVB0036-B | 1      | X                          | O            |  |  |  | 1260.5 | 447.7 | 400.0 | 396.9 | 400.6 | 596.4 | 588.2 | -                  | X   | XXX               |
| FEVB0048-C | 1      | X                          | O            |  |  |  | 1357.3 | 536.6 | 489.0 | 485.8 | 501.1 | 693.4 | 685.2 | -                  | X   | XXX               |
| FEVB0060-D | 1      | X                          | O            |  |  |  | 1503.4 | 627.1 | 577.8 | 576.3 | 645.9 | 838.4 | 830.2 | -                  | X   | XXX               |
|            |        | 208/230-1-60               | 208/230-3-60 |  |  |  |        |       |       |       |       |       |       |                    |     |                   |

X=YES  
O=NO

NOTE: ALLOW 533.4 FROM FRONT FOR SERVICE

UNIT CONNECTION SIZES

SUCTION: 24 & 36 - 19.05 I.D. SWEAT  
48 & 60 - 22.23 I.D. SWEAT  
LIQUID: 9.53 I.D. SWEAT  
CONDENSATE: 19.0 FPT

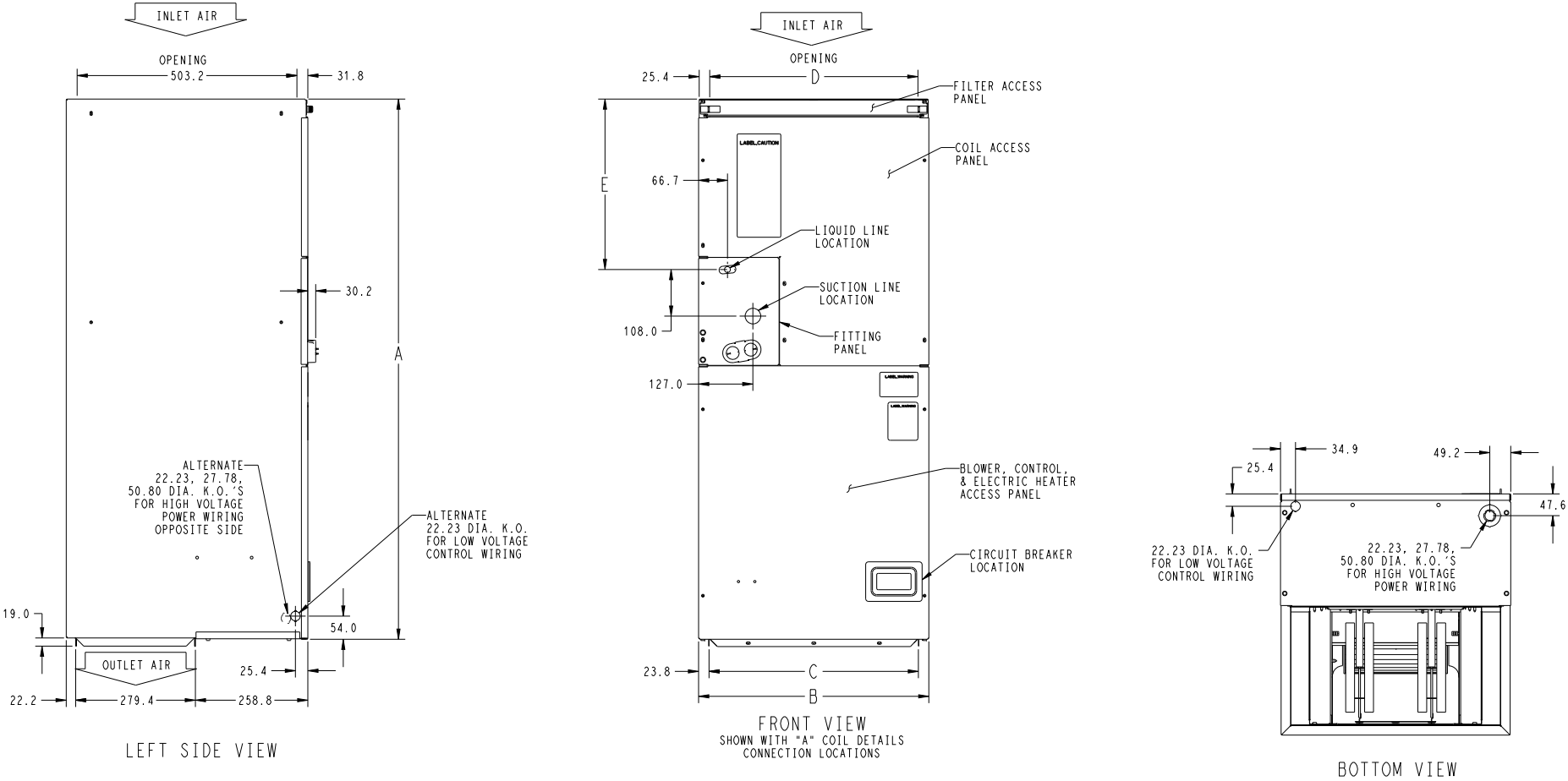


Fig. 3 – FEVB (Metric) - Sheet 1

NOTES:  
1. ALL DIMENSIONS ARE IN "MM" UNLESS NOTED.

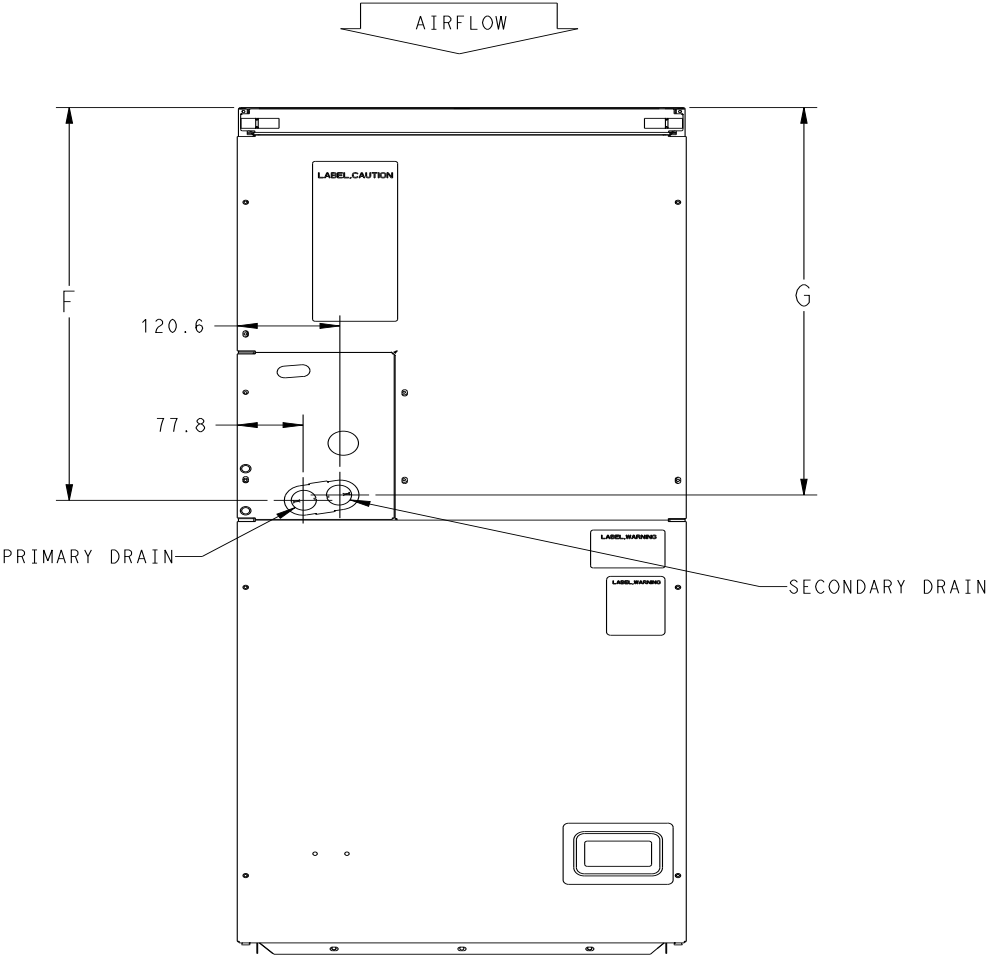


Fig. 4 – FEVB (Metric) - Sheet 2

A240096

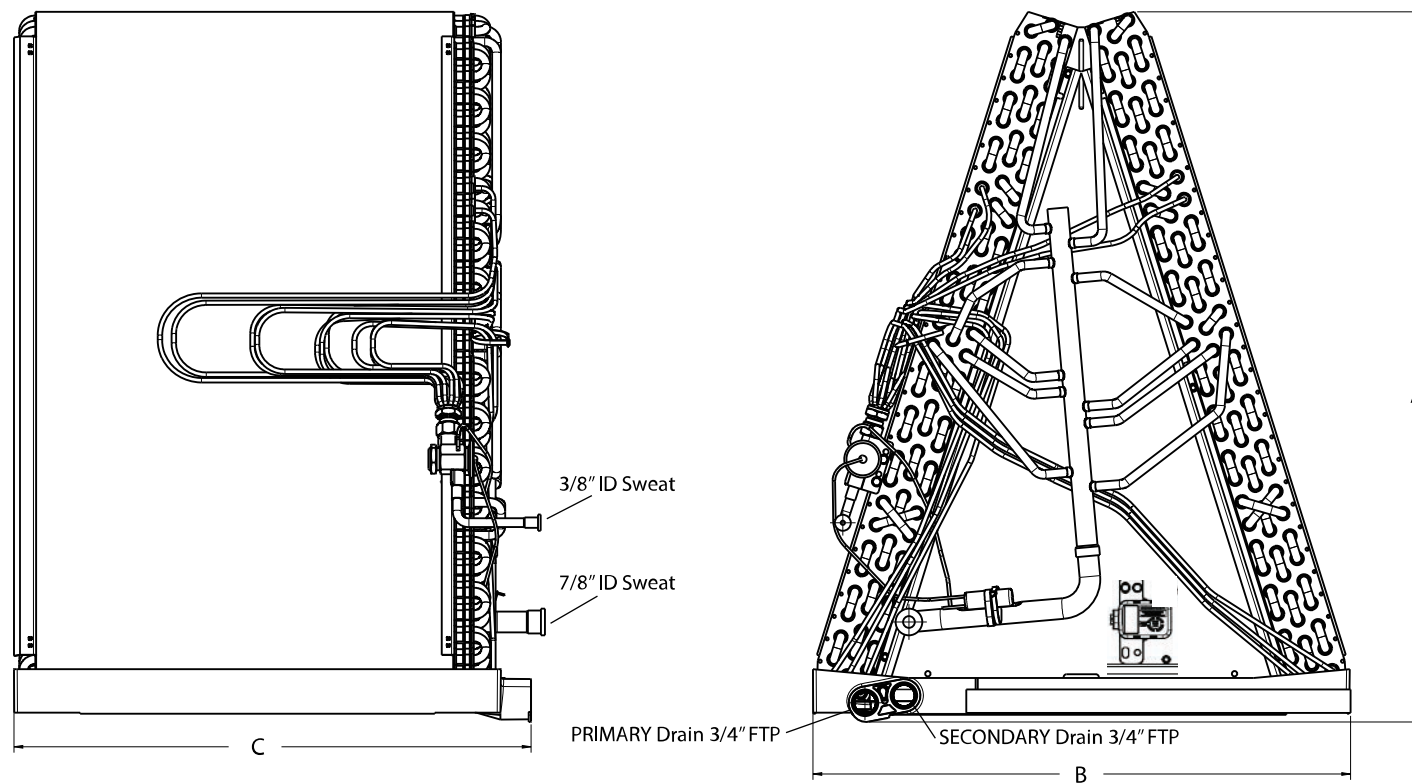


Fig. 5 – A-Coil

A190147A

Table 6 – Physical Data- NAVA5 Accessory Coil

|                                                                   | NAVA53601CK        | NAVA54801CK        | NAVA56001CK        |
|-------------------------------------------------------------------|--------------------|--------------------|--------------------|
| <b>Operating Dimensions, in. (mm) and Weight, lb. (kg)</b>        |                    |                    |                    |
| <b>A (height)</b>                                                 | 16-1/4<br>(412.75) | 24.0<br>(609.6)    | 29-1/2<br>(749.3)  |
| <b>B (width)</b>                                                  | 15.0<br>(381)      | 19.0<br>(482.6)    | 22-1/2<br>(571.5)  |
| <b>C (depth)</b>                                                  | 20-3/4<br>(527.05) | 20-5/8<br>(523.9)  | 20-1/2<br>(520.7)  |
| <b>Weight</b>                                                     | 21-1/2<br>(9.75)   | 31-1/2<br>(14.29)  | 38-1/2<br>(17.46)  |
| <b>Shipping (boxed) Dimensions, in. (mm) and Weight, lb. (kg)</b> |                    |                    |                    |
| <b>A (height)</b>                                                 | 20-1/4<br>(514.35) | 25-3/4<br>(654.05) | 32.0<br>(812.8)    |
| <b>B (width)</b>                                                  | 17-1/8<br>(434.98) | 20-1/2<br>(520.7)  | 25-3/8<br>(645.8)  |
| <b>C (depth)</b>                                                  | 25-5/8<br>(650.88) | 25-3/4<br>(654.05) | 26-1/4<br>(666.75) |
| <b>Weight</b>                                                     | 28.0<br>(12.7))    | 38-1/2<br>(17.46)  | 48-1/2<br>(21.99)  |

Table 7 – Coil Match-up Chart

| Cooling and Heat Pump<br>Coil Kit Part Number | Indoor Unit | Outdoor Unit Tonnage |           |
|-----------------------------------------------|-------------|----------------------|-----------|
|                                               |             | Air Conditioner      | Heat Pump |
| NAVA53601CK                                   | FEVB*24*    | 1.5 - 2              | 1.5 - 2   |
| NAVA53601CK                                   | FEVB*36*    | 2 - 3                | 2 - 3     |
| NAVA54801CK                                   | FEVB*48*    | 3 - 4                | 3 - 4     |
| NAVA56001CK                                   | FEVB*60*    | 3.5 - 5              | 3.5 - 5   |

NOTE: Reference the AHRI Directory for specific equipment combinations and performance.

Table 8 – Minimum CFM When Using Electric Heat

| Unit Size   | HEATER kW |     |     |      |
|-------------|-----------|-----|-----|------|
|             | 10        | 12  | 15  | 20   |
| FEVB002410* | 625       | —   | —   | —    |
| FEVB003610* | 625       | —   | —   | —    |
| FEVB003612* | —         | 850 | —   | —    |
| FEVB003615* | —         | —   | 850 | —    |
| FEVB004815* | —         | —   | 850 | —    |
| FEVB006020* | —         | —   | —   | 1050 |

Note: Speed Tap 4 (white wire) is used for electric heat only. White wire must remain on tap 4.

Table 9 – Estimated Sound Power Level (dB)\*

| SIZE | CONDITIONS |                     | OCTAVE BAND CENTER FREQUENCY |      |      |      |      |      |      |
|------|------------|---------------------|------------------------------|------|------|------|------|------|------|
|      | CFM        | Ext Static Pressure | 63                           | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| 24   | 700        | 0.50                | 72.0                         | 68.0 | 64.0 | 61.0 | 59.0 | 57.0 | 53.0 |
| 36   | 1050       | 0.50                | 73.8                         | 69.8 | 65.8 | 62.8 | 60.8 | 58.8 | 54.8 |
| 48   | 1400       | 0.50                | 75.0                         | 71.0 | 67.0 | 64.0 | 62.0 | 60.0 | 56.0 |
| 60   | 1750       | 0.50                | 76.0                         | 72.0 | 68.0 | 65.0 | 63.0 | 61.0 | 57.0 |

\*. Estimated sound power levels have been derived using the method described in the 1987 ASHRAE HVAC Systems & Applications Handbook, Chapter 52, p. 52.7.

Table 10 – Electrical Data for Units

| MODEL NO.  | MTR HP | MTR FLA | VOLTS/PH/HZ  | HEAT PACK INSTALLED | Single Circuit |            |         | Dual Circuit |           |       |             |           |       |
|------------|--------|---------|--------------|---------------------|----------------|------------|---------|--------------|-----------|-------|-------------|-----------|-------|
|            |        |         |              |                     | HEATER AMPS    | MCA        | MOCP    | HEATER AMPS  | MCA       | MOCP  | HEATER AMPS | MCA       | MOCP  |
|            |        |         |              |                     |                |            |         | L1/L2        | L1/L2     | L1/L2 | L3/L4       | L3/L4     | L3/L4 |
|            |        |         |              |                     | 208V/230V      |            |         | 208V/230V    |           |       | 208V/230V   |           |       |
| FEVB002410 | 1/3    | 2.9     | 208/230/1/60 | MEHC10BKH*          | 35.6/39.4      | 48.1/52.9  | 50/60   | N/A          | N/A       | N/A   | N/A         | N/A       | N/A   |
| FEVB003610 | 1/2    | 4.2     | 208/230/1/60 | MEHC10BKH*          | 35.6/39.4      | 49.8/54.5  | 50/60   | N/A          | N/A       | N/A   | N/A         | N/A       | N/A   |
| FEVB003612 | 1/2    | 4.2     | 208/230/1/60 | MEHC12BKH*          | 42.7/47.5      | 58.6/64.6  | 60/70   | 28.5/31.7    | 40.9/44.9 | 45/45 | 14.3/15.8   | 17.9/19.8 | 20/20 |
| FEVB003615 | 1/2    | 4.2     | 208/230/1/60 | MEHC15BKH*          | 53.4/59.1      | 72.0/79.1  | 80/80   | 35.6/39.4    | 49.8/54.5 | 50/60 | 17.8/19.7   | 22.3/24.6 | 25/25 |
| FEVB004815 | 3/4    | 6.1     | 208/230/1/60 | MEHC15BKH*          | 53.4/59.1      | 74.4/81.5  | 80/90   | 35.6/39.4    | 52.1/56.9 | 60/60 | 17.8/19.7   | 22.3/24.6 | 25/25 |
| FEVB006020 | 3/4    | 6.1     | 208/230/1/60 | MEHC20BKH*          | 71.2/78.8      | 96.6/106.1 | 100/110 | 35.6/39.4    | 52.1/56.9 | 60/60 | 35.6/39.4   | 44.5/49.3 | 45/50 |

MCA = Minimum Ampacity

MOCP = Maximum Overcurrent Protection

Table 11 – Electric Heat Btuh Details

| Electric Furnace (Model, kW) | 24, 10kW | 36, 10kW | 36, 12kW | 36, 15kW | 48, 15kW | 60, 20kW |
|------------------------------|----------|----------|----------|----------|----------|----------|
| Heating Output @ 240V, Btuh* | 34130    | 34130    | 40945    | 51180    | 51180    | 68240    |

\*Heating output rated at 240V. For outputs at other voltages follow the following factors: x 0.92 (230V), x 0.75 (208V).

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

Table 12 – Airflow Performance - without Cooling Coil (CFM)

| Model & Size        | Blower Speed | Total Static (inches of water column) |      |      |      |       |       |       |       |       |       |
|---------------------|--------------|---------------------------------------|------|------|------|-------|-------|-------|-------|-------|-------|
|                     |              | 0.1                                   | 0.2  | 0.3  | 0.4  | 0.5   | 0.6   | 0.7   | 0.8   | 0.9   | 1     |
| FEVB 024            | Tap 5        | 1099                                  | 1079 | 1058 | 1040 | 1007  | 970   | 924   | 844   | 757   | 702   |
|                     | Tap 4        | 1016                                  | 995  | 975  | 949  | 903   | 853   | 768   | 684   | 639   | 588   |
|                     | Tap 3        | 1016                                  | 995  | 975  | 949  | 903   | 853   | 768   | 684   | 639   | 588   |
|                     | Tap 2        | 934                                   | 913  | 893  | 852  | 796   | 713   | 622   | 577   | 531   | 486   |
|                     | Tap 1        | 801                                   | 783  | 739  | 670  | 557   | 507   | 454   | 408   | 363   | 315   |
| FEVB 036<br>10KW    | Tap 5        | 1559                                  | 1535 | 1514 | 1486 | 1459  | 1430  | 1404  | 1378  | 1346  | 1311  |
|                     | Tap 4        | 1476                                  | 1451 | 1424 | 1390 | 1360  | 1333  | 1304  | 1273  | 1241  | 1210  |
|                     | Tap 3        | 1476                                  | 1451 | 1424 | 1390 | 1360  | 1333  | 1304  | 1273  | 1241  | 1210  |
|                     | Tap 2        | 1318                                  | 1284 | 1250 | 1220 | 1190  | 1157  | 1120  | 1085  | 1050  | 987   |
|                     | Tap 1        | 1132                                  | 1097 | 1058 | 1018 | 979.2 | 940   | 896.5 | 819.7 | 761.1 | 701.6 |
| FEVB 036<br>12/15KW | Tap 5        | 1549                                  | 1525 | 1495 | 1464 | 1436  | 1411  | 1385  | 1360  | 1331  | 1303  |
|                     | Tap 4        | 1458                                  | 1428 | 1399 | 1372 | 1347  | 1321  | 1293  | 1262  | 1230  | 1201  |
|                     | Tap 3        | 1458                                  | 1428 | 1399 | 1372 | 1347  | 1321  | 1293  | 1262  | 1230  | 1201  |
|                     | Tap 2        | 1303                                  | 1267 | 1237 | 1208 | 1179  | 1148  | 1113  | 1080  | 1036  | 969.9 |
|                     | Tap 1        | 1120                                  | 1082 | 1046 | 1009 | 971.4 | 933.5 | 879.3 | 804.9 | 748.4 | 696.1 |
| FEVB 048            | Tap 5        | 2088                                  | 2054 | 2013 | 1974 | 1931  | 1891  | 1849  | 1806  | 1764  | 1717  |
|                     | Tap 4        | 1887                                  | 1842 | 1799 | 1757 | 1712  | 1667  | 1620  | 1569  | 1516  | 1465  |
|                     | Tap 3        | 1887                                  | 1842 | 1799 | 1757 | 1712  | 1667  | 1620  | 1569  | 1516  | 1465  |
|                     | Tap 2        | 1685                                  | 1635 | 1587 | 1539 | 1487  | 1433  | 1377  | 1317  | 1262  | 1200  |
|                     | Tap 1        | 1518                                  | 1464 | 1409 | 1354 | 1295  | 1230  | 1173  | 1109  | 1032  | 968.9 |
| FEVB 060            | Tap 5        | 2212                                  | 2175 | 2137 | 2100 | 2059  | 2021  | 1983  | 1942  | 1901  | 1863  |
|                     | Tap 4        | 2212                                  | 2175 | 2137 | 2100 | 2059  | 2021  | 1983  | 1942  | 1901  | 1863  |
|                     | Tap 3        | 2212                                  | 2175 | 2137 | 2100 | 2059  | 2021  | 1983  | 1942  | 1901  | 1863  |
|                     | Tap 2        | 1982                                  | 1938 | 1895 | 1853 | 1810  | 1767  | 1723  | 1681  | 1635  | 1592  |
|                     | Tap 1        | 1656                                  | 1609 | 1560 | 1511 | 1459  | 1408  | 1356  | 1304  | 1249  | 1191  |

## Notes:

1. Airflow based upon dry coil at 230V with factory-approved filter and electric heater; airflow at 208V is approximately the same as 230V because the ECM motor is a constant torque motor. The torque doesn't drop off at the speeds the motor operates.
2. To avoid potential for condensate blowing out of drain pan prior to making drain trap, return static pressure must be less than 0.40 in. wc.
3. Airflow above 400 cfm/ton on 4800 - 6000 size could result in condensate blowing off coil or splashing out of drain pan.

**Table 13 – Airflow Performance - with Accessory Cooling Coil (CFM)**

| Model & Size                  | Blower Speed | Total Static (inches of water column) |      |       |       |       |       |       |       |       |       |
|-------------------------------|--------------|---------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
|                               |              | 0.1                                   | 0.2  | 0.3   | 0.4   | 0.5   | 0.6   | 0.7   | 0.8   | 0.9   | 1     |
| <b>FEVB 024</b>               | Tap 5        | 1032                                  | 984  | 953   | 901   | 847   | 797   | 748   | 720   | 687   | 645   |
|                               | Tap 4        | 930                                   | 898  | 846   | 781   | 741   | 690   | 654   | 620   | 586   | 554   |
|                               | Tap 3        | 930                                   | 898  | 846   | 781   | 741   | 690   | 654   | 620   | 586   | 554   |
|                               | Tap 2        | 871                                   | 817  | 767   | 708   | 657   | 616   | 573   | 537   | 502   | 472   |
|                               | Tap 1        | 732                                   | 675  | 608   | 540   | 512   | 470   | 436   | 394   | 351   | 317   |
| <b>FEVB 036<br/>10KW</b>      | Tap 5        | 1457                                  | 1431 | 1404  | 1376  | 1345  | N/A   | N/A   | N/A   | N/A   | N/A   |
|                               | Tap 4        | 1377                                  | 1349 | 1320  | 1291  | 1261  | 1226  | 1186  | 1142  | 1099  | 1048  |
|                               | Tap 3        | 1377                                  | 1349 | 1320  | 1291  | 1261  | 1226  | 1186  | 1142  | 1099  | 1048  |
|                               | Tap 2        | 1221                                  | 1189 | 1157  | 1123  | 1084  | 1033  | 987   | 933.7 | 886   | 848.7 |
|                               | Tap 1        | 1044                                  | 1008 | 969.4 | 916.7 | 858.2 | 804.8 | 755.2 | 713.6 | 671.5 | 634.9 |
| <b>FEVB 036<br/>12 / 15KW</b> | Tap 5        | 1385                                  | 1364 | 1341  | 1314  | 1291  | 1255  | N/A   | N/A   | N/A   | N/A   |
|                               | Tap 4        | 1310                                  | 1281 | 1258  | 1231  | 1205  | 1179  | 1153  | 1132  | 1112  | 1073  |
|                               | Tap 3        | 1310                                  | 1281 | 1258  | 1231  | 1205  | 1179  | 1153  | 1132  | 1112  | 1073  |
|                               | Tap 2        | 1160                                  | 1133 | 1104  | 1075  | 1050  | 1023  | 999   | 964   | 899   | 851   |
|                               | Tap 1        | 999                                   | 970  | 936   | 905   | 875   | 831   | 755   | 704   | 672   | 631   |
| <b>FEVB 048</b>               | Tap 5        | 1896                                  | 1853 | 1821  | 1795  | 1760  | 1737  | 1702  | 1670  | 1665  | 1619  |
|                               | Tap 4        | 1711                                  | 1673 | 1643  | 1607  | 1570  | 1549  | 1509  | 1513  | 1446  | 1411  |
|                               | Tap 3        | 1711                                  | 1673 | 1643  | 1607  | 1570  | 1549  | 1509  | 1513  | 1446  | 1411  |
|                               | Tap 2        | 1547                                  | 1504 | 1466  | 1416  | 1388  | 1369  | 1324  | 1290  | 1248  | 1200  |
|                               | Tap 1        | 1401                                  | 1347 | 1312  | 1269  | 1232  | 1186  | 1142  | 1097  | 1052  | 989   |
| <b>FEVB 060</b>               | Tap 5        | 2141                                  | 2102 | 2063  | 2017  | 1967  | 1953  | 1902  | 1855  | 1824  | 1766  |
|                               | Tap 4        | 2141                                  | 2102 | 2063  | 2017  | 1967  | 1953  | 1902  | 1855  | 1824  | 1766  |
|                               | Tap 3        | 2141                                  | 2102 | 2063  | 2017  | 1967  | 1953  | 1902  | 1855  | 1824  | 1766  |
|                               | Tap 2        | 1901                                  | 1868 | 1825  | 1785  | 1737  | 1710  | 1662  | 1620  | 1584  | 1521  |
|                               | Tap 1        | 1583                                  | 1557 | 1499  | 1451  | 1392  | 1358  | 1313  | 1259  | 1194  | 1138  |

## Notes:

1. Airflow based upon dry coil at 230V with factory-approved filter and electric heater; airflow at 208V is approximately the same as 230V because the ECM motor is a constant torque motor. The torque doesn't drop off at the speeds the motor operates.
2. To avoid potential for condensate blowing out of drain pan prior to making drain trap, return static pressure must be less than 0.40 in. wc.
3. Airflow above 400 cfm/ton on 4800 - 6000 size could result in condensate blowing off coil or splashing out of drain pan.

Table 14 – Airflow Performance - without Cooling Coil (CFM)

| Model<br>& Size     | Blower<br>Speed | Total Static (inches of water column) |      |      |      |       |       |       |       |       |       |
|---------------------|-----------------|---------------------------------------|------|------|------|-------|-------|-------|-------|-------|-------|
|                     |                 | 0.1                                   | 0.2  | 0.3  | 0.4  | 0.5   | 0.6   | 0.7   | 0.8   | 0.9   | 1     |
| FEVB 024            | Tap 5           | 1099                                  | 1079 | 1058 | 1040 | 1007  | 970   | 924   | 844   | 757   | 702   |
|                     | Tap 4           | 1016                                  | 995  | 975  | 949  | 903   | 853   | 768   | 684   | 639   | 588   |
|                     | Tap 3           | 1016                                  | 995  | 975  | 949  | 903   | 853   | 768   | 684   | 639   | 588   |
|                     | Tap 2           | 934                                   | 913  | 893  | 852  | 796   | 713   | 622   | 577   | 531   | 486   |
|                     | Tap 1           | 801                                   | 783  | 739  | 670  | 557   | 507   | 454   | 408   | 363   | 315   |
| FEVB 036<br>10KW    | Tap 5           | 1559                                  | 1535 | 1514 | 1486 | 1459  | 1430  | 1404  | 1378  | 1346  | 1311  |
|                     | Tap 4           | 1476                                  | 1451 | 1424 | 1390 | 1360  | 1333  | 1304  | 1273  | 1241  | 1210  |
|                     | Tap 3           | 1476                                  | 1451 | 1424 | 1390 | 1360  | 1333  | 1304  | 1273  | 1241  | 1210  |
|                     | Tap 2           | 1318                                  | 1284 | 1250 | 1220 | 1190  | 1157  | 1120  | 1085  | 1050  | 987   |
|                     | Tap 1           | 1132                                  | 1097 | 1058 | 1018 | 979.2 | 940   | 896.5 | 819.7 | 761.1 | 701.6 |
| FEVB 036<br>12/15KW | Tap 5           | 1549                                  | 1525 | 1495 | 1464 | 1436  | 1411  | 1385  | 1360  | 1331  | 1303  |
|                     | Tap 4           | 1458                                  | 1428 | 1399 | 1372 | 1347  | 1321  | 1293  | 1262  | 1230  | 1201  |
|                     | Tap 3           | 1458                                  | 1428 | 1399 | 1372 | 1347  | 1321  | 1293  | 1262  | 1230  | 1201  |
|                     | Tap 2           | 1303                                  | 1267 | 1237 | 1208 | 1179  | 1148  | 1113  | 1080  | 1036  | 969.9 |
|                     | Tap 1           | 1120                                  | 1082 | 1046 | 1009 | 971.4 | 933.5 | 879.3 | 804.9 | 748.4 | 696.1 |
| FEVB 048            | Tap 5           | 2088                                  | 2054 | 2013 | 1974 | 1931  | 1891  | 1849  | 1806  | 1764  | 1717  |
|                     | Tap 4           | 1887                                  | 1842 | 1799 | 1757 | 1712  | 1667  | 1620  | 1569  | 1516  | 1465  |
|                     | Tap 3           | 1887                                  | 1842 | 1799 | 1757 | 1712  | 1667  | 1620  | 1569  | 1516  | 1465  |
|                     | Tap 2           | 1685                                  | 1635 | 1587 | 1539 | 1487  | 1433  | 1377  | 1317  | 1262  | 1200  |
|                     | Tap 1           | 1518                                  | 1464 | 1409 | 1354 | 1295  | 1230  | 1173  | 1109  | 1032  | 968.9 |
| FEVB 060            | Tap 5           | 2212                                  | 2175 | 2137 | 2100 | 2059  | 2021  | 1983  | 1942  | 1901  | 1863  |
|                     | Tap 4           | 2212                                  | 2175 | 2137 | 2100 | 2059  | 2021  | 1983  | 1942  | 1901  | 1863  |
|                     | Tap 3           | 2212                                  | 2175 | 2137 | 2100 | 2059  | 2021  | 1983  | 1942  | 1901  | 1863  |
|                     | Tap 2           | 1982                                  | 1938 | 1895 | 1853 | 1810  | 1767  | 1723  | 1681  | 1635  | 1592  |
|                     | Tap 1           | 1656                                  | 1609 | 1560 | 1511 | 1459  | 1408  | 1356  | 1304  | 1249  | 1191  |

- Notes:
- 1. Airflow based upon dry coil at 230V with factory-approved filter and electric heater; airflow at 208V is approximately the same as 230V because the ECM motor is a constant torque motor. The torque doesn't drop off at the speeds the motor operates.
  - 2. To avoid potential for condensate blowing out of drain pan prior to making drain trap, return static pressure must be less than 0.40 in. wc.
  - 3. Airflow above 400 cfm/ton on 4800 - 6000 size could result in condensate blowing off coil or splashing out of drain pan.

Table 15 – Accessories

| ITEM                                                         | ACCESSORY PART NO.*        | FAN COIL SIZE USED WITH |
|--------------------------------------------------------------|----------------------------|-------------------------|
| Sub-base Multi-pack Kits†<br>(11 pieces per box)             | NAMA01711SB (17" downflow) | 24, 36                  |
|                                                              | NAMA02111SB (21" downflow) | 48                      |
|                                                              | NAMA02411SB (24" downflow) | 60                      |
| Filter                                                       | See Table 4 for sizes.     |                         |
| Name Plate Kit for SmartComfort by Carrier<br>Brand, 50 Pack | NALA00150NP                | 24, 36, 48, 60          |
| 17" Upflow Stand for FEVB 24 and 36                          | NAUA00101US                | 24, 36                  |
| 21" Upflow Stand for FEVB0048                                | NAUA00201US                | 48                      |
| 24" Upflow Stand for FEVB0060                                | NAUA00301US                | 60                      |

\*. Factory authorized and listed, field-installed.  
†. Required for downflow installations.