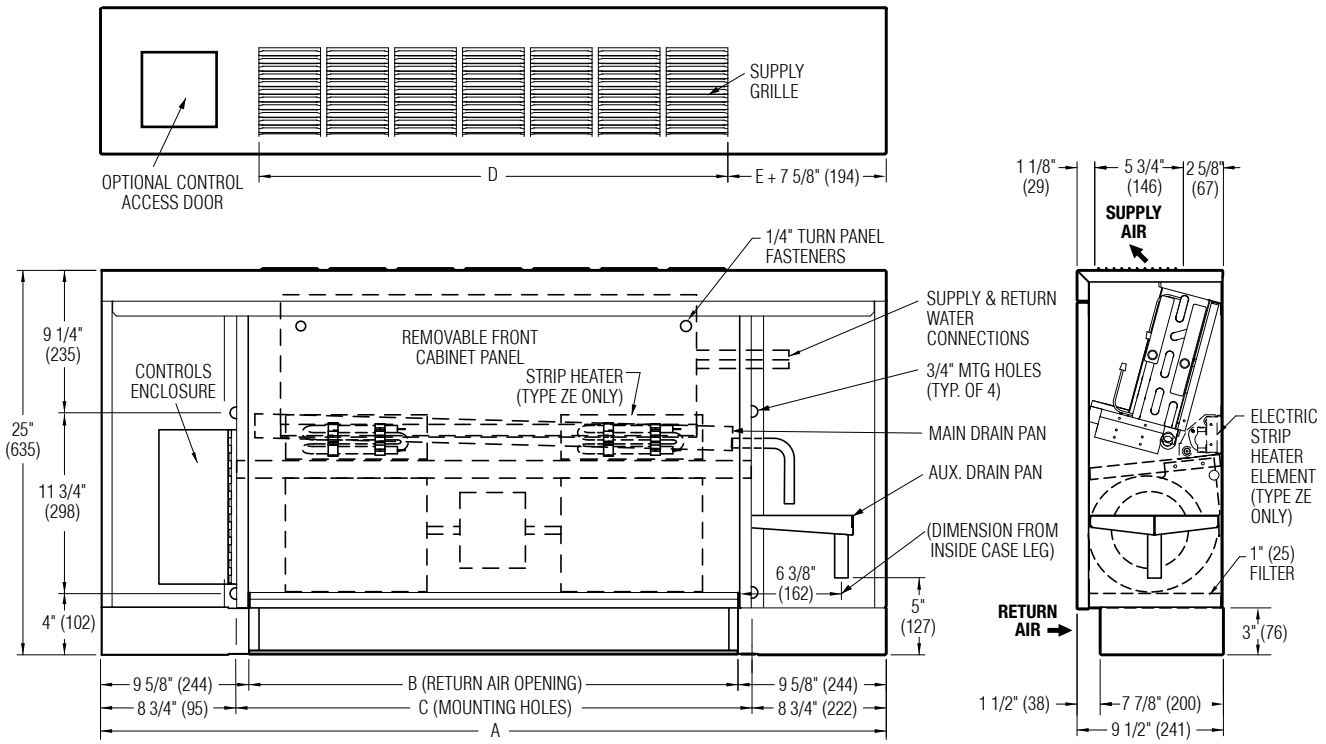
# Engineered Comfort

**VERTICAL FLOOR FAN COIL UNITS**
**FLAT TOP EXPOSED CABINET**
2 & 4 PIPE COOLING / HEATING
**PROPORTIONAL ECM OR 3-SPEED ECM MOTOR**
**MODEL: 41VX TYPE Z, ZW AND ZE**




## Dimensional Data

| Unit Size | Nominal CFM (l/s) | A | B | C | D | E | Filter Size |
|---|---|---|---|---|---|---|---|
| **3** | 300 (142) | 45 (1143) | 25 7/8 (657) | 27 1/2 (699) | 21 5/8 (549) | 4 (102) | 7 1/2 x 26 (191 x 660) |
| **4** | 400 (189) | 51 (1295) | 31 7/8 (810) | 33 1/2 (851) | 30 1/2 (775) | 2 5/8 (67) | 7 1/2 x 32 (191 x 813) |
| **6** | 600 (283) | 61 (1549) | 41 7/8 (1064) | 43 1/2 (1105) | 39 1/4 (997) | 3 1/4 (83) | 7 1/2 x 42 (191 x 1067) |
| **8** | 800 (378) | 63 (1600) | 43 7/8 (1114) | 45 1/2 (1156) | 39 1/4 (997) | 4 1/4 (108) | 7 1/2 x 44 (191 x 1118) |
| **10** | 1000 (472) | 77 (1956) | 57 7/8 (1470) | 59 1/2 (1511) | 52 1/2 (1334) | 4 5/8 (117) | 7 1/2 x 58 (191 x 1473) |
| **12** | 1200 (566) | 85 (2159) | 65 7/8 (1673) | 67 1/2 (1715) | 61 1/4 (1556) | 4 1/4 (108) | 7 1/2 x 66 (191 x 1676) |

## Electrical Data

| Unit Size | Fan Qty. | Proportional ECM Motor FLA | | | | | 3-Speed ECM Motor FLA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Motor HP | 120V | 208V | 240V | 277V | Motor HP | 120V | 208V | 240V | 277V |
| **3** | 1 | 1/4 | 1.1 | 0.7 | 0.7 | 0.7 | 1/8 | 1.1 | 0.7 | 0.7 | 0.7 |
| **4** | 2 | 1/4 | 1.0 | 0.7 | 0.7 | 0.7 | 1/8 | 1.0 | 0.7 | 0.7 | 0.7 |
| **6** | 2 | 1/4 | 1.8 | 1.3 | 1.3 | 1.3 | 1/4 | 1.8 | 1.3 | 1.3 | 1.3 |
| **8** | 2 | 1/4 | 2.2 | 1.5 | 1.4 | 1.3 | 1/4 | 2.2 | 1.5 | 1.4 | 1.3 |
| **10** | 3 | 2 @ 1/4 | 2.6 | 1.8 | 1.7 | 1.7 | 2 - 1/8, 1/4 | 2.6 | 1.8 | 1.7 | 1.7 |
| **12** | 4 | 2 @ 1/4 | 3.0 | 2.2 | 2.0 | 2.1 | 2 @ 1/4 | 3.0 | 2.2 | 2.0 | 2.1 |

FLA = Full load amperage (High Fan Speed). All motors are single phase/60 Hz.

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| | | | | |
|---|---|---|---|---|
| **SCHEDULE TYPE:** | | | | |
| **PROJECT:** | | | | |
| **ENGINEER:** | **DATE** | **B SERIES** | **SUPERSEDES** | **DRAWING NO.** |
| **CONTRACTOR:** | **5 - 14 - 26** | **41** | **3 - 23 - 21** | **41VX** |


Dimensions are in inches (mm).

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**FLAT TOP EXPOSED CABINET**
2 OR 4 PIPE COOLING / HEATING
**PROPORTIONAL ECM OR 3-SPEED ECM MOTOR**
**MODEL: 41VX TYPE Z, ZW AND ZE**

## TYPE:

❑ **Z** Chilled/Hot Water (2-pipe system)

**Coil Options:**
- ❑ 2 Row C/HW
- ❑ 3 Row C/HW
- ❑ 4 Row C/HW

❑ **ZW** Chilled & Hot Water (4-pipe system)

**Coil Options:**
- ❑ 2/1 CW/HW Rows
- ❑ 3/1 CW/HW Rows
- ❑ 4/1 CW/HW Rows
- ❑ 2/2 CW/HW Rows
- ❑ 3/2 CW/HW Rows

❑ **ZE** Chilled/Hot Water & Electric Heat (2-pipe system)

**Coil Options:**
- ❑ 2 Row C/HW
- ❑ 3 Row C/HW
- ❑ 4 Row C/HW

## STANDARD FEATURES:

- Galvanized steel cabinet with powder coat paint finish.
- 1/2" (13) dual density insulation, exposed edges coated to prevent air erosion. Meets the requirements of NFPA 90A and UL 181.
- Single point electrical connection.
- 1" (25) throwaway filter.
- Standard controls enclosure is mounted on side opposite coil connections.
- 1/4 turn fasteners.

## MOTOR OPTIONS:

❑ Ultra-energy efficient proportional ECM fan motor(s) with thermal overload protection.

❑ Energy efficient 3-speed ECM fan motor(s) with thermal overload protection.

## WATER COIL SECTION:

- 1/2" (12.7) copper tubes with aluminum ripple fins.
- Cooling coils include a foam insulated, galvanized steel sloped main and aux. drain pan with 7/8" (22.2) O.D. drain connection.
- Right hand unit / coil connection as shown is standard. Left hand is opposite.
- Manual air vents.
- Sweat Connections: All 5/8" (15.9) O.D. male solder.

## ELECTRIC HEAT:

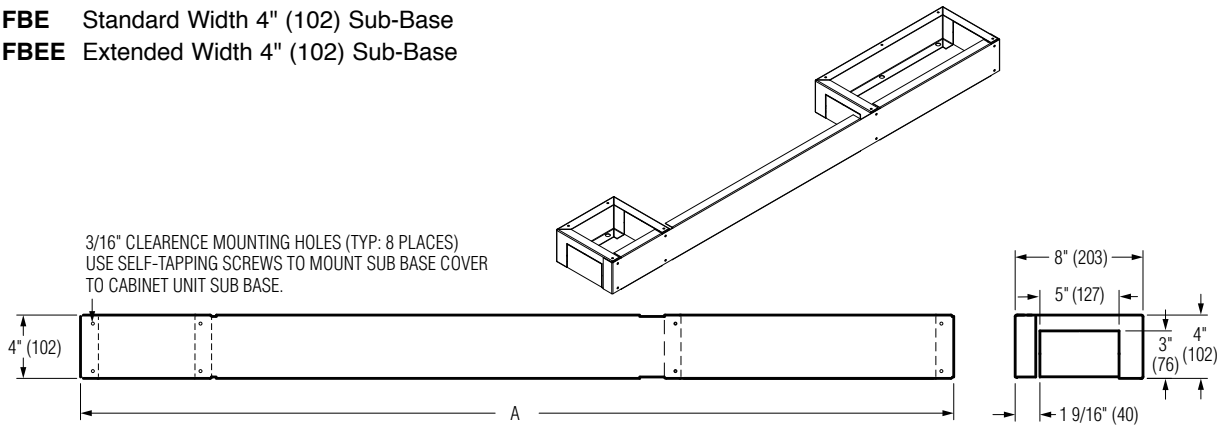
- High grade resistance elements mounted directly in front of fan outlets.
- Automatic reset high limit cut-outs (one per element).
- Single point power connection Voltage (single phase, 60 Hz):
  - ❑ 120V ❑ 208V
  - ❑ 240V ❑ 277V

## OPTIONS AND ACCESSORIES:

- ❑ Foil face fiberglass liner.
- ❑ Closed cell foam liner.
- ❑ 1" (25) MERV 8 pleated filter.
- ❑ Left hand unit/coil connection.
- ❑ Toggle disconnect switch.
- ❑ Drain pan float switch.
- ❑ Factory assembled valve piping package (ships loose).
- ❑ Stainless steel drain pan.
- ❑ Double deflection supply grille.
- ❑ Linear bar supply grille.
- ❑ Toe kick return grille.
- ❑ Tamper-proof fasterners.

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❑ **FBE** Standard Width 4" (102) Sub-Base
❑ **FBEE** Extended Width 4" (102) Sub-Base




| | | | | |
|---|---|---|---|---|
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