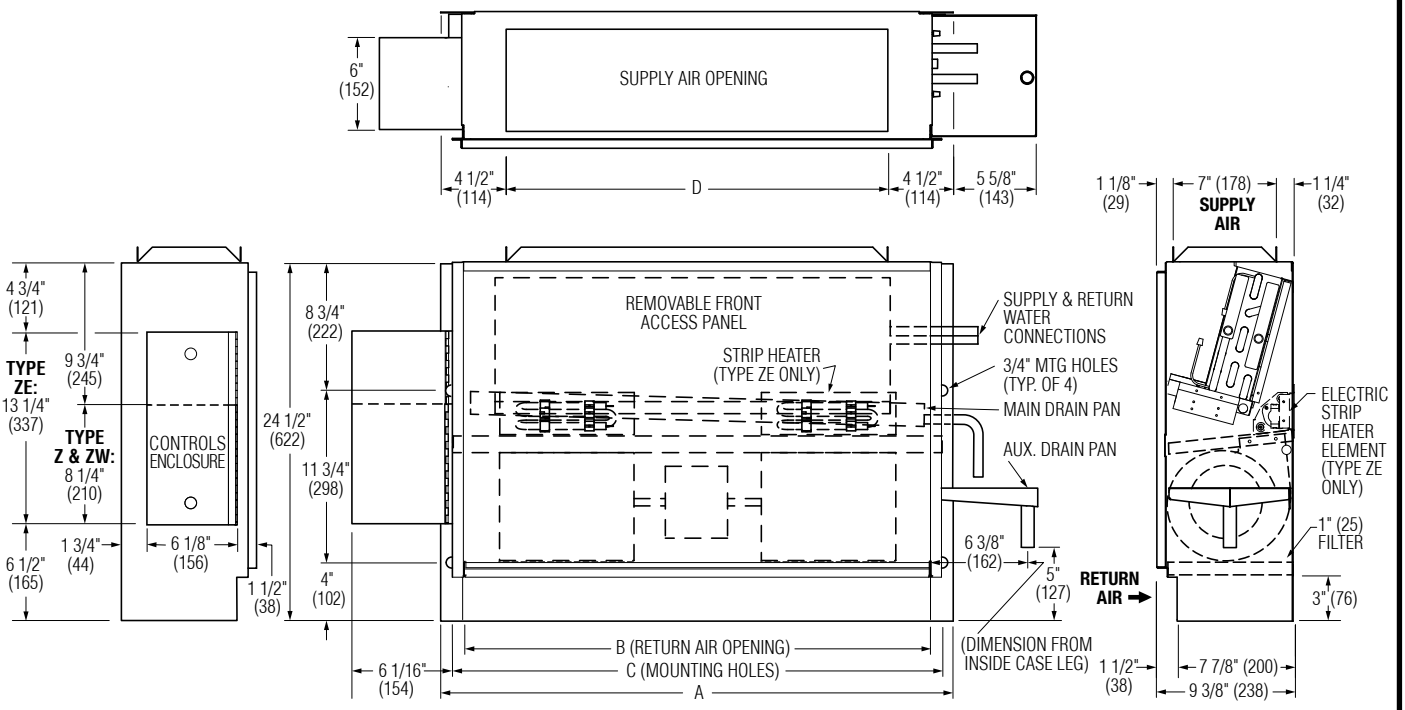
Engineered Comfort

VERTICAL FLOOR FAN COIL UNITS
CONCEALED UNIT • TOP SUPPLY
2 & 4 PIPE COOLING / HEATING
PROPORTIONAL ECM OR 3-SPEED ECM MOTOR
MODEL: 41VC TYPE Z, ZW AND ZE



Dimensional Data

Unit Size	Nominal CFM (l/s)	A	B	C	D	Filter Size
3	300 (142)	29 (737)	25 7/8 (657)	27 1/2 (699)	20 (508)	7 1/2 x 26 (191 x 660)
4	400 (189)	35 (889)	31 7/8 (810)	33 1/2 (851)	26 (660)	7 1/2 x 32 (191 x 813)
6	600 (283)	45 (1143)	41 7/8 (1064)	43 1/2 (1105)	36 (914)	7 1/2 x 42 (191 x 1067)
8	800 (378)	47 (1194)	43 7/8 (1114)	45 1/2 (1156)	38 (965)	7 1/2 x 44 (191 x 1118)
10	1000 (472)	61 (1549)	57 7/8 (1470)	59 1/2 (1511)	52 (1321)	7 1/2 x 58 (191 x 1473)
12	1200 (566)	69 (1753)	65 7/8 (1673)	67 1/2 (1715)	60 (1524)	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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AHRI CERTIFIED™
www.ahridirectory.org
Room Fan-Coils
AHRI Standard 440

SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	**DATE**	**B SERIES**	**SUPERSEDES**	**DRAWING NO.**
CONTRACTOR:	**11 - 6 - 26**	**41**	**5 - 14 - 26**	**41VC**

Dimensions are in inches (mm).

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2 & 4 PIPE COOLING / HEATING
PROPORTIONAL ECM OR 3-SPEED ECM MOTOR
MODEL: 41VC 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 casing.
- Top supply with 1" (25) duct collar.
- 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.

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.

Dimensions are in inches (mm).

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