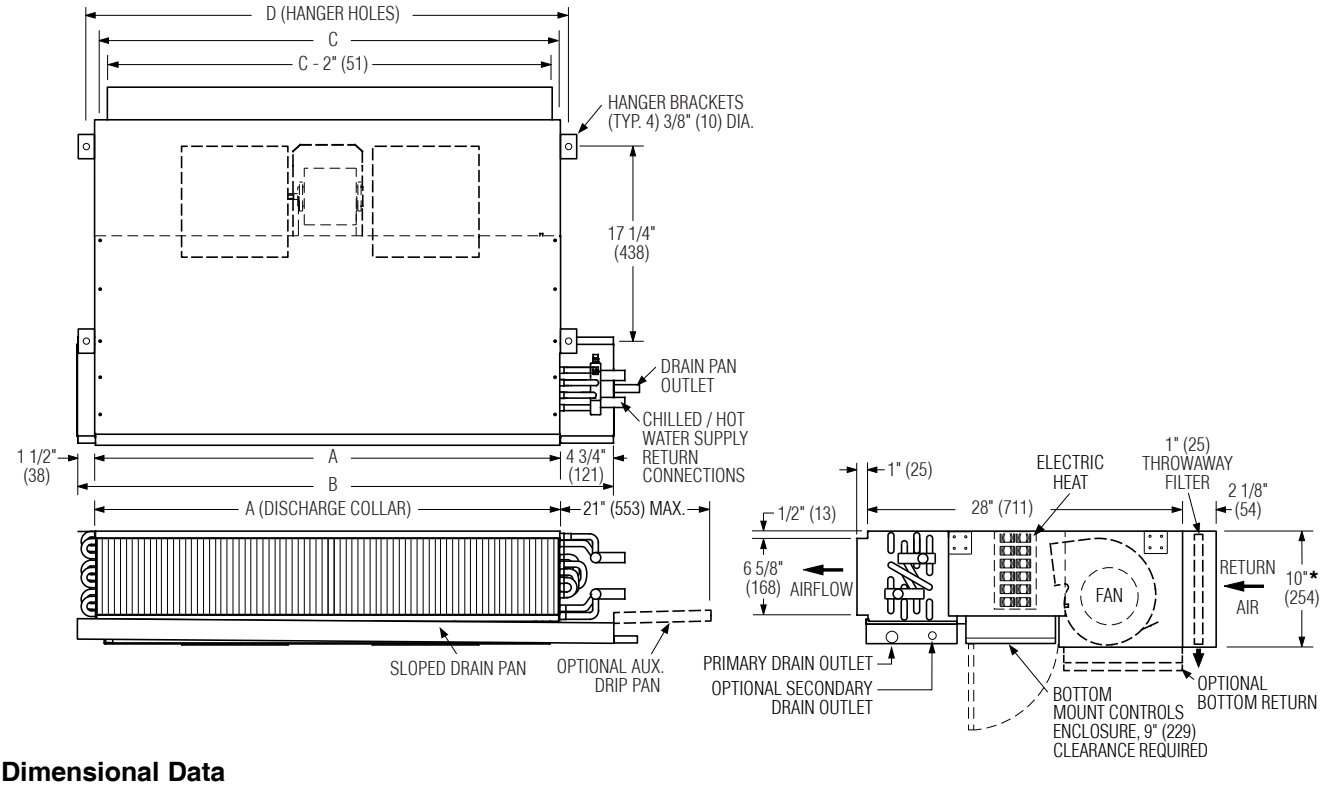
Engineered Comfort

LOW PROFILE HORIZONTAL FAN COIL UNITS
WITH PLENUM • 2 PIPE COOLING & ELECTRIC HEAT
PROPORTIONAL ECM OR 3-SPEED ECM MOTOR
MODEL: 40HP TYPE ZE



Dimensional Data

Unit Size	Nominal CFM (l/s)	A	B	C	D	Filter Size
3	300 (142)	20 (508)	26 1/2 (673)	20 3/8 (518)	22 5/8 (575)	10 x 20 (254 x 508)
4	400 (189)	25 (636)	31 1/2 (800)	25 3/8 (645)	27 5/8 (702)	10 x 25 (254 x 635)
6	600 (283)	30 (762)	36 1/2 (927)	30 3/8 (772)	32 5/8 (829)	10 x 30 (254 x 762)
8	800 (378)	40 (1016)	46 1/2 (1181)	40 3/8 (1026)	42 5/8 (1083)	2@ 10 x 20 (254 x 508)
12	1200 (566)	50 (1270)	56 1/2 (1435)	50 3/8 (1286)	52 5/8 (1337)	2@ 10 x 25 (254 x 635)
15	1500 (708)	60 (1524)	66 1/2 (1689)	60 3/8 (1534)	62 5/8 (1591)	2@ 10 x 30 (254 x 762)

***** 11 1/2" (292) with bottom mount controls enclosure and optional disconnect switch.

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	1.8	0.8	0.7	0.7	1/8	1.8	0.8	0.7	0.7
4	1	1/4	2.3	1.4	1.4	1.2	1/8	2.3	1.4	1.4	1.2
6	2	1/4	2.1	1.5	1.3	1.2	1/8	2.1	1.5	1.3	1.2
8	2	1/4	2.8	1.9	1.8	1.6	1/4	2.8	1.9	1.8	1.6
12	3	2 @ 1/4	3.9	2.5	2.6	2.5	2 - 1/8, 1/4	3.9	2.5	2.6	2.5
15	4	2 @ 1/4	4.4	3.0	2.9	2.7	2 @ 1/4	4.4	3.0	2.9	2.7

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

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AHRI Standard 440

SCHEDULE TYPE:	Page 1 of 3. Dimensions are in inches (mm)			
PROJECT:				
ENGINEER:	**DATE**	**B SERIES**	**SUPERSEDES**	**DRAWING NO.**
CONTRACTOR:	**11 - 2 - 26**	**40**	**4 - 3 - 23**	**40HP-2**

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LOW PROFILE HORIZONTAL FAN COIL UNITS WITH PLENUM • 2 PIPE COOLING & ELECTRIC HEAT PROPORTIONAL ECM OR 3-SPEED ECM MOTOR MODEL: 40HP TYPE ZE

TYPE ZE: Chilled/Hot Water and Electric Heat (2-pipe system)

Coil Options:

❑ 3 Row C/HW
❑ 4 Row C/HW

STANDARD FEATURES:

- Galvanized steel casing.
- 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.
- Discharge collar for duct connection.
- Rear return (field changeable) with 1" (25) throwaway filter.
- Bottom mounted hinged door controls enclosure.

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 drain pan with 7/8" (22.2) O.D. primary drain connection. Field reversible.
- Left hand unit/coil connection as shown (looking in direction of airflow) is standard. Right hand is opposite.
- Manual air vents.
- Sweat Connections:
  All 5/8" (15.9) O.D. male solder except size 15: 7/8" (22.2) O.D. male solder.

ELECTRIC HEAT:

- High-grade resistance elements mounted directory in front of fan outlet(s).
- 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) filters
  ❑ MERV 8 pleated.
  ❑ MERV 8 pleated with spare.
  ❑ Throwaway with spare.
❑ Bottom return.
❑ Right hand unit/coil connection.
❑ Toggle disconnect switch.
❑ Door interlocking disconnect switch.
❑ Drain pan float switch.
❑ Factory assembled valve piping package (ships loose).
❑ 5/8" (15.9) O.D. secondary drain connection.
❑ Stainless steel drain pan.
❑ Auxiliary drip pan (ship loose).
❑ Outside Air Inlet (6" Left/Right/Back/Top Side).
❑ Coil auto air vent(s).
❑ Stainless steel coil casing.
❑ 51FB Hinged filter grille (not available with CARP option).
❑ Quiet type contactors.
❑ Dust tight enclosure.
❑ Main unit fusing.
❑ Condensate pump.
  ❑ 120V ❑ 120/230V
❑ Supply air, 51SV single deflection grille or 51DV double deflection grille.

Seismic Certification:

❑ Seismic Source International (Standard)
❑ HCAI (formerly OSHPD, California)
❑ Special Features: _____ .

SCHEDULE TYPE:	Page 2 of 3. Dimensions are in inches (mm)			
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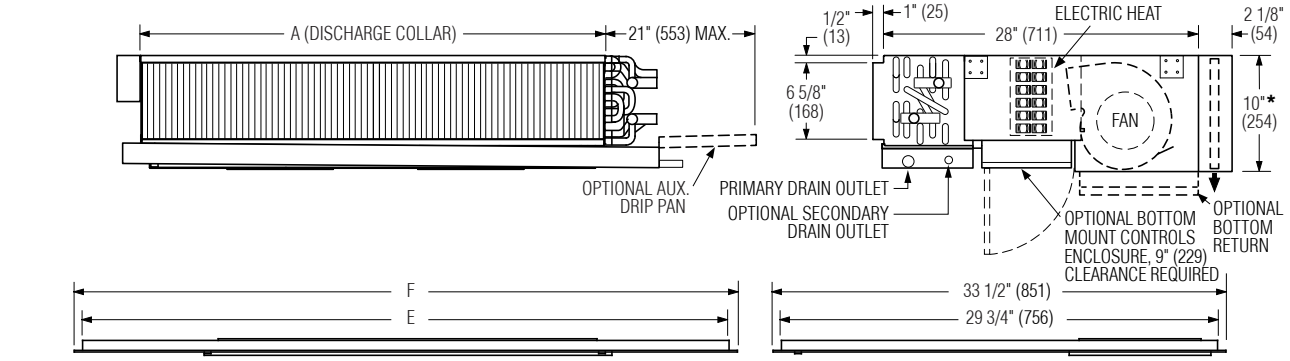
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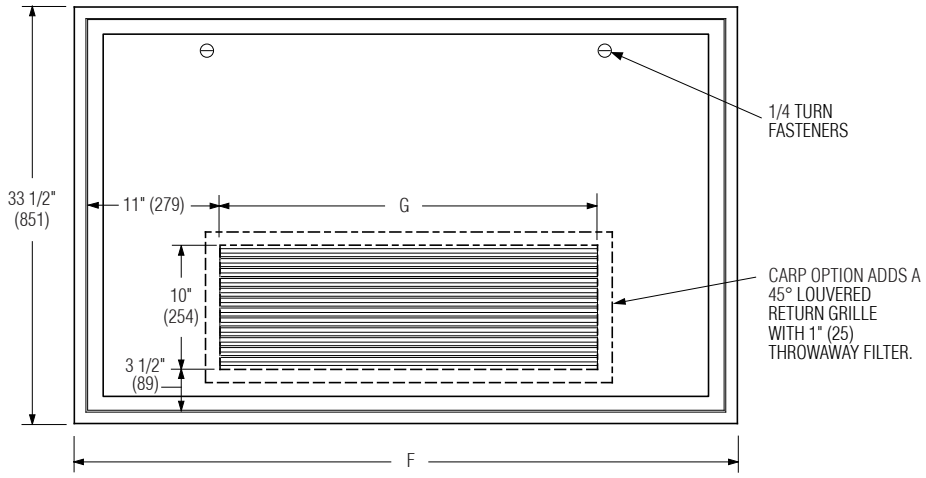
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OPTIONAL BOTTOM PANEL ASSEMBLIES

- ❑ **CARP** Ceiling Access Return Air Panel (bottom return only)
- ❑ **CASP** Ceiling Access Solid Panel (rear return only)





Dimensional Data

Unit Size	E	F	G	Filter Size
3	39 3/4 (1010)	43 1/2 (1105)	20 (508)	10 x 20 (254 x 508)
4	44 3/4 (1137)	48 1/2 (1232)	25 (635)	10 x 25 (254 x 635)
6	49 3/4 (1264)	53 1/2 (1359)	30 (762)	10 x 30 (254 x 762)
8	59 3/4 (1518)	63 1/2 (1613)	40 (1016)	2@ 10 x 20 (254 x 508)
12	69 3/4 (1772)	73 1/2 (1867)	50 (1270)	2@ 10 x 25 (254 x 635)
15	79 3/4 (2026)	83 1/2 (2121)	60 (1524)	2@ 10 x 30 (254 x 762)

***** 11 1/2" (292) with bottom mount controls enclosure and optional disconnect switch.

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NOTES:

1. Left hand unit as shown, right hand unit is built as mirror image.
2. 1/4-turn slotted fasteners. Qty. 2 for sizes 3 and 4, Qty. 3 for sizes 6 and 8, Qty. 4 for sizes 12 and 15.
3. Minimum ceiling drywall opening should be cut as Panel Assembly neck dimension E x 29 3/4" (756) plus 1/4" (6).
4. Standard finish is a durable baked enamel powder coat, AW appliance white powder finish. Custom colors are available.

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