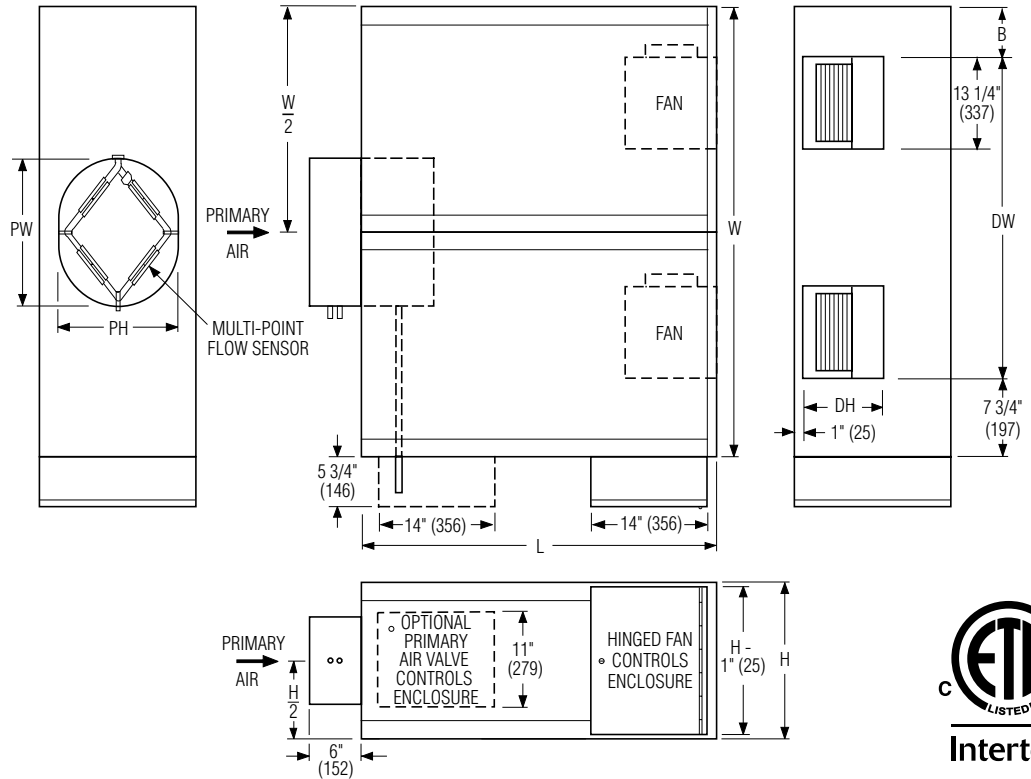




**FAN POWERED PRESSURIZATION TERMINAL UNIT  
 EPIC ECM MOTOR  
 SERIES FLOW • CONSTANT VOLUME  
 MODELS: 35S-CVP, 35SW-CVP AND 35SE-CVP  
 UNIT SIZE 7**

**Model 35S-CVP**



**Dimensional Data**

Unit Size	Inlet Size	PW x PH	W	H	L	B	Outlet Discharge DW x DH
7	14 (356) rnd.	13 7/8 (352)	52 (1321)	18 (457)	41 (1041)	5 (127)	39 1/4 x 11 1/2 (997 x 292)
	16 (407) rnd.	15 7/8 (403)					
	*18 (457) oval	20 3/16 x 13 7/8 (513 x 352)					

\* Flat oval inlets

**APPLICATION:**

'Smart' Brushless DC motor technology provides continuous monitoring, automatic compensation and precise control and maintenance of discharge airflow regardless of discharge static pressure variations incurred by a HEPA filter. Available in three unit sizes, suitable for 200 – 3000 cfm (94 – 1416 l/s) zone designs with up to a maximum total external discharge static pressure of 1.0" w.g. (250 Pa). Ideally suited to clean room applications such as hospital isolation wards, operating rooms, pharmaceutical and biotechnology manufacturing and research facilities.

**DESCRIPTION:**

- 18 ga. (1.31) galv. steel channel frame with 20 ga. (1.00) casing components.
- 16 ga. (1.61) galvanized steel inclined opposed blade primary air damper. 45° rotation. CW to close.
- Multi-point averaging 'Diamond' flow sensor.

**Electrical Data**

Unit Size	EPIC ECM Motor FLA				
	Motor HP	120V	208V	240V	277V
7	*	17.5	11.1	11.4	11.4

\* The EPIC ECM is a variable horsepower motor. Refer to Selectworks schedule for actual power consumption. FLA = Full load amperage. All motors are single phase/60 Hz.

- Low leakage access panels on all 4 sides.
- Ultra Energy efficient ECM fan motor with overload protection and Nailor EPIC volume controller.
- Solid metal 'IAQ' liner. Meets requirements of NFPA 90A and UL 181.
- Single point electrical connection.
- Discharge opening for flanged duct connection.
- Controls mounted as standard on RH side as shown. Terminals ordered with LH controls (optional) are inverted and discharge duct hanging elevation will therefore change.

**OPTIONS:**

- Fan unit fusing.
- Toggle disconnect switch.
- Hanger brackets.
- Left hand control location option.
- Special features \_\_\_\_\_

<b>SCHEDULE TYPE:</b>	
<b>PROJECT:</b>	
<b>ENGINEER:</b>	
<b>CONTRACTOR:</b>	

Page 1 of 2.  
 Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
3 - 25 - 17	3500	2 - 8 - 16	35S-CVP-2



**FAN POWERED PRESSURIZATION TERMINAL UNIT**  
**EPIC ECM MOTOR • HEAT ACCESSORIES**  
**SERIES FLOW • CONSTANT VOLUME**  
**MODELS: 35SW-CVP AND 35SE-CVP • UNIT SIZE 7**

**Hot Water Coil Section Model 35SW-CVP**

**Standard Features:**

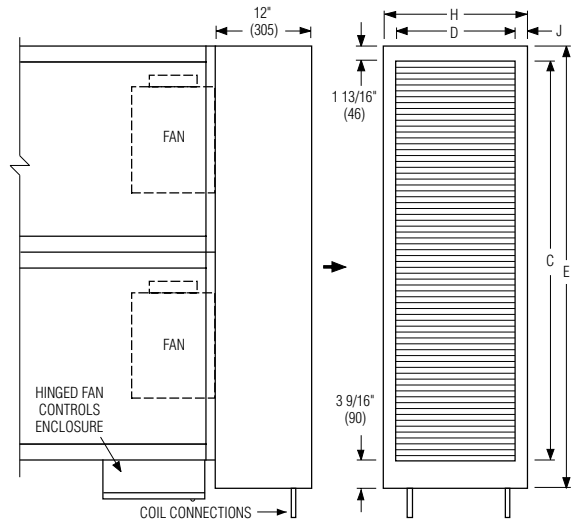
- Coil section installed on unit discharge.
- Coil (and header on multi-circuit units) is installed in insulated casing for increased thermal efficiency.
- 1/2" (13) copper tubes.
- Aluminum ripple fins.
- Sweat Connections: 1 and 2 Row 7/8" (22); 3 Row 1 3/8" (35); male solder.
- Top and bottom access panels for inspection and coil cleaning. Caulked for low leakage.
- Flanged outlet duct connection.

**Coil Rows:**

- 1-Row    2-Row    3-Row

**Coil Hand Connections:**

- (Looking in direction of airflow).
- Right hand (illustrated). Standard.
  - Left hand. Optional.



Unit Size	Outlet Duct Size C x D	E	H	J
7	50 x 14 7/8 (1270 x 378)	55 3/8 (1407)	18 (457)	1 9/16 (40)

**Electric Coil Section Model 35SE-CVP**

**Standard Features:**

- Unique hinged heater design permits easy access, removal and replacement of heater element without disturbing ductwork.
- Coil installed on unit discharge.
- Insulated coil element wrapper.
- Automatic reset high limit cut-outs (one per element).
- Single point electrical connection for (except 600V).
- Positive pressure airflow switch.
- Flanged outlet duct connection.
- Class A 80/20 Ni/Cr wire.
- Terminal unit with coil is ETL Listed as an assembly.
- Controls mounted as standard on RH side as shown. Terminals ordered with LH controls (optional) are inverted and discharge duct hanging elevation will therefore change.

**Voltage:**

Single phase, 60 Hz.

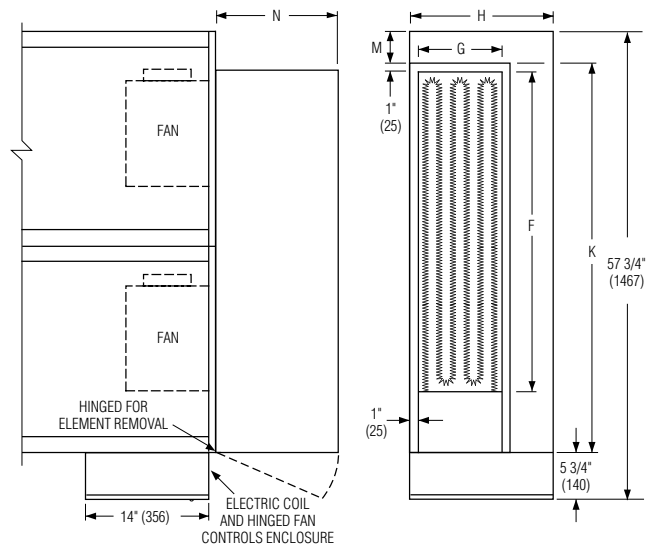
- 208V    240V    277V

Three phase, 60 Hz.

- 208V    480V (4 wire wye).  
 600V (Dual Point Connection).    \_\_\_\_\_ .

**Options:**

- Toggle disconnect switch (includes fan).
- Door interlock disconnect switch.
- Mercury contactors.
- Power circuit fusing.
- Dust tight construction.
- Manual reset secondary thermal cut out.
- SCR Control.



Unit Size	Outlet Duct Size F x G	K	H	M	N
7	40 1/4 x 11 3/4 (1022 x 298)	48 (1219)	18 (457)	4 (102)	15 1/4 (387)

<b>SCHEDULE TYPE:</b>
<b>PROJECT:</b>
<b>ENGINEER:</b>
<b>CONTRACTOR:</b>

Page 2 of 2.  
Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
3 - 25 - 17	3500	2 - 8 - 16	35S-CVP-2