



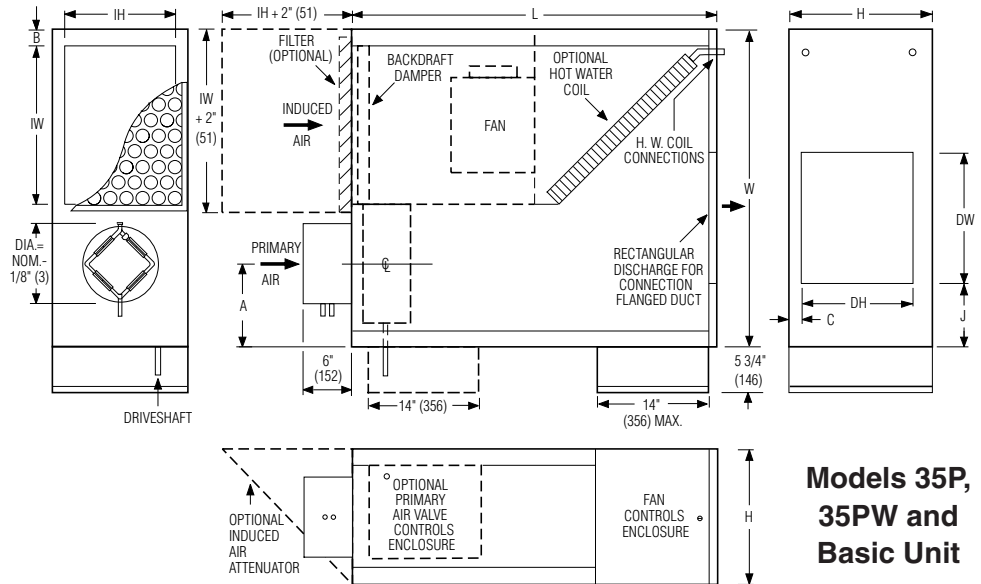
FAN POWERED TERMINAL UNIT
PARALLEL FLOW • VARIABLE VOLUME
MODELS: 35P, 35PW AND 35PE • UNIT SIZES 2 – 7

DESCRIPTION:

- 16 ga. (1.6) galvanized steel channel frame with 20 ga. (1.0) casing components.
- 16 ga. (1.6) galvanized steel inclined opposed blade damper. 45° rotation. CW to close.
- Backdraft damper mounted on induced air inlet.
- Multi-point averaging Diamond Flow sensor.
- Universal access panels on all 4 sides.
- Energy efficient PSC fan motor with overload protection.
- Solid state fan speed controller with minimum voltage stop.
- 3/4" (19) dual density insulation, exposed edges coated to prevent air erosion, meets requirements of NFPA 90A and UL 181.
- Single point electrical and /or pneumatic main air connection.
- Discharge opening for flanged duct connection.
- Full primary air valve low voltage enclosure for factory mounted DDC and analog electronic controls.
- 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:

- 'Q' option - Induced air inlet attenuator.
- Filter frame and 1" (25) disposable filter.
- Toggle disconnect switch.
- Steri-liner.
- Fiber-free liner.
- Solid metal liner.
- Perforated metal liner.
- Fan unit fusing.
- Hanger brackets.
- Left-hand controls location.
- Special features



**Models 35P,
35PW and
Basic Unit**

Dimensional Data. Imperial Units (inches)

Unit Size	Inlet Size	W	H	L	A	Induced Air Inlet IW x IH	B	Outlet Discharge DW x DH	C	J	Filter Size
2	6, 8, 10	34	14	36	7 5/16	17 x 11	1 1/4	11 x 10	2	8	12 x 18
3	6, 8, 10, 12	40	17	46	9 1/8	20 x 14	1 1/2	16 x 14	1 1/2	8	16 x 25
4	8, 10, 12, 14	40	17	46	9 1/8	20 x 14	1 1/2	16 x 14	1 1/2	8	16 x 25
5	10, 12, 14, 16	40	17	46	9 1/8	20 x 14	1 1/2	16 x 14	1 1/2	8	16 x 25
6	12, 14, 16	50	19	48	9 1/2	24 x 16	2 1/2	20 x 14	2 1/2	8	18 x 28
7	12, 14, 16	50	19	48	9 1/2	24 x 16	2 1/2	20 x 14	2 1/2	22	18 x 28

Dimensional Data. Metric Units (mm)

Unit Size	Inlet Size	W	H	L	A	Induced Air Inlet IW x IH	B	Outlet Discharge DW x DH	C	J	Filter Size
2	152, 203, 254	864	356	914	186	432 x 279	32	279 x 254	51	203	305 x 457
3	152, 203, 254, 305	1016	432	1168	232	508 x 356	38	406 x 356	38	203	406 x 635
4	203, 254, 305, 356	1016	432	1168	232	608 x 356	38	406 x 356	38	203	406 x 635
5	254, 305, 356, 406	1016	432	1168	232	608 x 356	38	406 x 356	38	203	406 x 635
6	305, 356, 406	1270	483	1219	241	610 x 406	63	508 x 356	63	203	457 x 711
7	305, 356, 406	1270	483	1219	241	610 x 406	63	508 x 356	63	559	457 x 711

Electrical Data

Unit Size	Motor H.P.	PSC Motor FLA		
		120/1/60	208/1/60	277/1/60
2	1/6	4.8	1.8	1.5
3	1/4	5.8	3.6	1.8
4	1/3	6.2	4.1	2.0
5	1/2	10.1	6.5	3.3
6, 7	3/4	13.4	8.4	4.5

FLA = Full load amperage



For heat options, see 35P-1B.
 Dimensions are in inches (mm).

SCHEDULE TYPE				
PROJECT				
ENGINEER		DATE	B SERIES	SUPERSEDES
CONTRACTOR		3 - 1 - 06	3500	11 - 05 - 01
				DRAWING NO.
				35P-1A



FAN POWERED TERMINAL UNIT
PARALLEL FLOW • VARIABLE VOLUME
HEAT ACCESSORIES
MODELS: 35PW AND 35PE • UNIT SIZES 2 – 7

Hot Water Coil Model 35PW

Standard Features:

- Coil are mounted inside basic terminal unit.
- 1/2" (13) copper tubes.
- Aluminum ripple fins.
- Sweat Connections: Size 2,3 and 4 one row, 1/2" (13) O.D. male solder. All others 7/8" (22) O.D. male solder.
- Top and bottom access panels for inspection and coil cleaning.
- Discharge opening for flanged connection.

Coil Rows:

- 1-Row 2-Row 3-Row

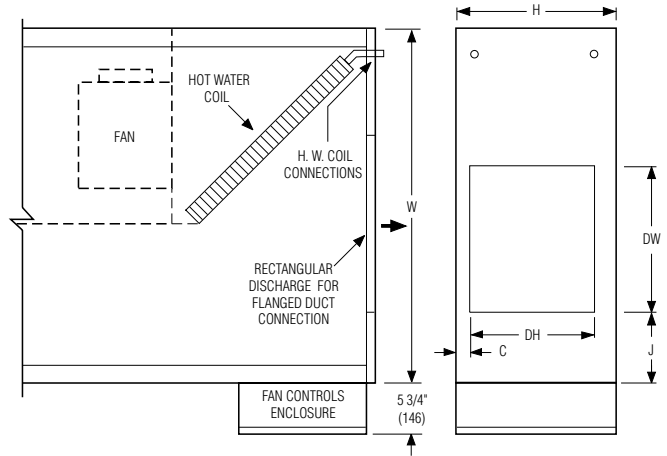
Coil Hand Connections:

(Looking in direction of airflow).

- Left hand (illustrated). Standard.
 Right hand (terminals are inverted).

Optional.

Connections must be selected opposite hand to controls enclosure location.



Unit Size	Imperial Units (inches)					Metric Units (mm)				
	Outlet Discharge DW x DH	W	H	C	J	Outlet Discharge DW x DH	W	H	C	J
2	11 x 10	34	14	2	8	279 x 254	864	356	51	192
3, 4, 5	16 x 14	40	17	1 1/2	8	406 x 356	1016	432	38	192
6	20 x 14	50	19	2 1/2	8	508 x 356	1270	483	63	192
7	20 x 14	50	19	2 1/2	22	508 x 356	1270	483	63	550

Electric Coil Section Model 35PE

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 entire terminal unit.
- Positive pressure airflow switch.
- Flanged outlet duct connection.
- 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.

Voltage:

Single phase, 60 Hz.

- 208V 240V 277V

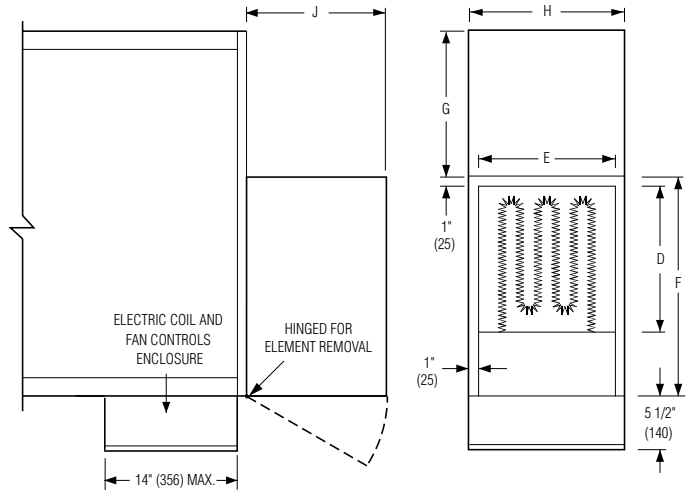
Three phase, 60 Hz.

- 208V 480V (4 wire wye).

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Options:

- Toggle disconnect switch (includes fan).
- Door interlock disconnect switch.
- Mercury contactors.
- Power circuit fusing.
- Class 'A' 80/20 Ni./Ch. wire.
- Dust tight construction.
- Manual reset secondary thermal cut out.



Unit Size	Imperial Units (inches)					Metric Units (mm)				
	Outlet Duct Size D x E	F	H	G	J	Outlet Duct Size D x E	F	H	G	J
2	11x 12	19	14	15	12 1/2	279 x 305	483	356	381	318
3, 4, 5	16 x 15	24	17	16	15 1/4	406 x 381	610	432	406	387
6	20 x 17	28	19	22	15 1/4	508 x 432	711	483	559	387
7	20 x 17	42	19	8	15 1/4	508 x 432	1067	483	203	387

SCHEDULE TYPE

PROJECT

ENGINEER

CONTRACTOR

Dimensions are in inches (mm).

DATE

B SERIES

SUPERSEDES

DRAWING NO.

10 - 01 - 01

3500

12 - 09 - 00

35P-1B