



**FAN POWERED TERMINAL UNIT**  
**PARALLEL FLOW • VARIABLE VOLUME**  
**MODELS: 35N, 35NW AND 35NE • UNIT SIZES 2 – 6**

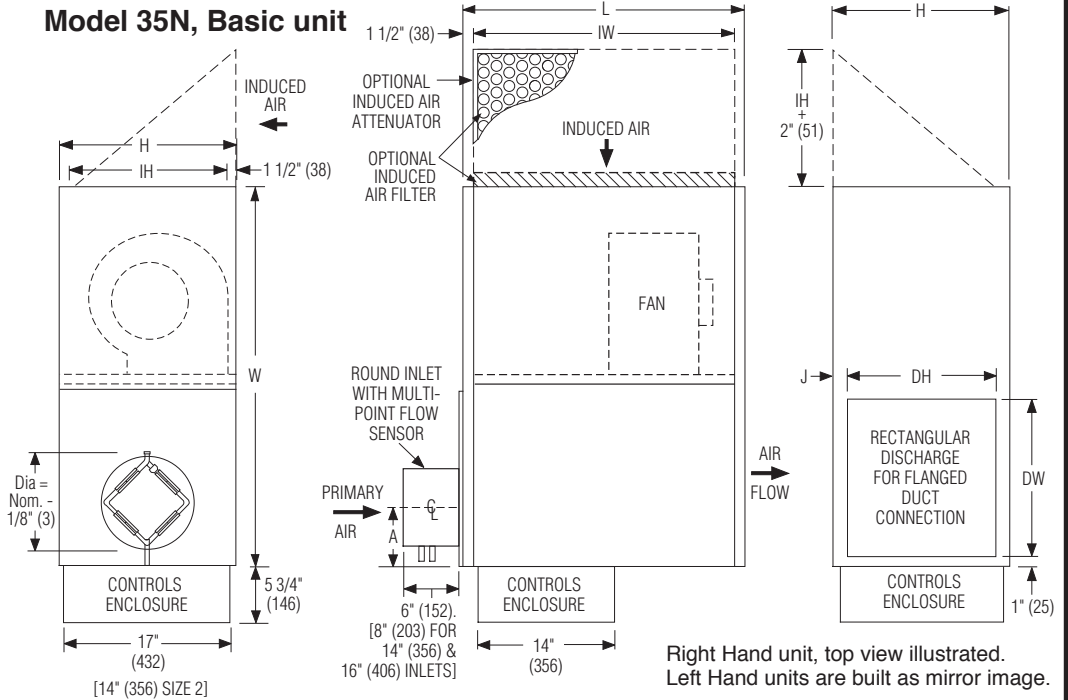
**DESCRIPTION:**

- 20 ga. (1.0) galvanized steel construction.
- Round laminated 2 x 20 ga. (1.00) butterfly damper with peripheral gasket. 90° rotation. CCW to open.
- Backdraft damper mounted on fan discharge.
- Multi-point averaging Diamond Flow sensor.
- Bottom access panels.
- 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 (Right Hand unit). Terminals ordered with LH controls (optional) are built as mirror image (Left Hand unit). Inlets and discharge are opposite of dwg.

**OPTIONS:**

- 'Q' option - Induced air inlet attenuator. (Top entry. Important: 6" (152) clearance required above unit.)
- 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

**Model 35N, Basic unit**



**Dimensional Data. Imperial Units (inches)**

Unit Size	Inlet Size	W	H	L	Induced Air Inlet IW x IH	Outlet Discharge DW x DH	J	Filter Size
2	6, 8, 10, 12	34 3/4	14	27 9/16	24 9/16 x 10 3/4	16 x 12	1	26 x 13
3	8, 10, 12, 14	38 1/4	18	28 9/16	25 9/16 x 14 3/4	16 x 15	1 1/2	27 x 17
5	10, 12, 14	45 5/8	18	34 1/2	31 1/2 x 14 3/4	24 x 15	1 1/2	33 x 17
6	12, 14, 16	50 3/4	20	36	33 x 16 3/4	28 x 17 1/2	1 1/4	35 x 19

**Dimensional Data. Metric Units (mm)**

Unit Size	Inlet Size	W	H	L	Induced Air Inlet IW x IH	Outlet Discharge DW x DH	J	Filter Size
2	152, 203, 254, 305	883	356	700	624 x 273	406 x 305	25	660 x 330
3	203, 254, 305, 356	972	457	725	649 x 375	406 x 381	38	686 x 432
5	254, 305, 356	1159	457	876	800 x 375	610 x 381	38	838 x 432
6	305, 356, 406	1289	508	914	838 x 426	711 x 445	32	889 x 483

**Electrical Data**

Unit Size	Motor H.P.	PSC Motor FLA		
		120/1/60	208/1/60	277/1/60
2	1/10	2.8	1.4	1.2
3	1/4	4.7	2.0	1.7
5	1/2	9.9	4.1	3.5
6	3/4	8.4	3.8	3.7

FLA = Full load amperage

Inlet Size	Dim. A	
	inches	mm
6	5	127
8	6	152
10	7	178
12	8	203
14	9	229
16	10	254



**Intertek**

For heat options, see page 2.  
 Dimensions are in inches (mm).

SCHEDULE TYPE	PROJECT	ENGINEER	CONTRACTOR	DATE	B SERIES	SUPERSEDES	DRAWING NO.
				2 - 2 - 11	3500	10 - 20 - 08	35N-1A



**FAN POWERED TERMINAL UNIT**  
**PARALLEL FLOW • VARIABLE VOLUME**  
**HEAT ACCESSORIES**  
**MODELS: 35NW AND 35NE • UNIT SIZES 2 – 6**

**Hot Water Coil Model 35NW**

**Standard Features:**

- Coil are mounted on unit discharge.
- 1/2" (13) copper tubes.
- Aluminum ripple fins.
- Sweat Connections: Size 2 and 3 one row, 1/2" (13) O.D. male solder. All others 7/8" (22) O.D. male solder.
- Bottom access panel for inspection and coil cleaning.
- Discharge opening for slip and drive connection.

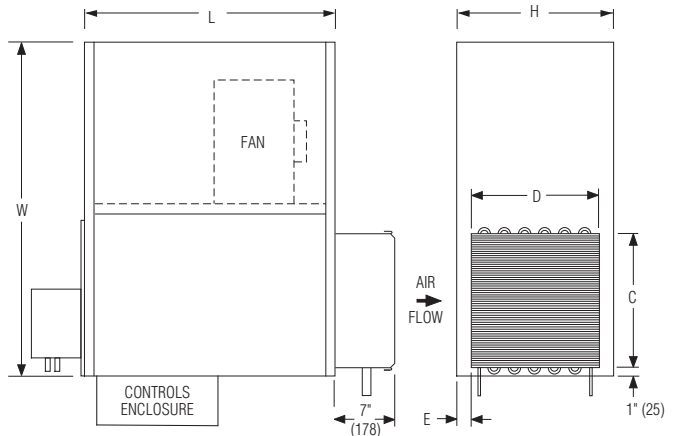
**Coil Rows:**

- 1-Row    2-Row    3-Row

**Coil Hand Connections:**

(Looking in direction of airflow).

- Right hand (illustrated). Standard.
- Left hand (terminals are inverted / built as mirror image). Optional. Connections must be selected same hand as controls enclosure location.



Unit Size	Imperial Units (inches)					Metric Units (mm)				
	Outlet Duct Size C x D	W	H	L	E	Outlet Duct Size C x D	W	H	L	E
2	16 x 12 1/2	34 3/4	14	27 9/16	3/4	406 x 318	883	356	700	19
3	16 x 15	38 1/4	18	28 9/16	1 1/2	406 x 381	972	457	725	38
5	24 x 15	45 5/8	18	34 1/2	1 1/2	610 x 381	1159	457	876	38
6	28 x 17 1/2	50 3/4	20	36	1 1/4	711 x 445	1289	508	914	32

**Electric Coil Section Model 35NE**

**Standard Features:**

- 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 built as mirror image.

**Voltage:**

Single phase, 60 Hz.

- 208V    240V    277V

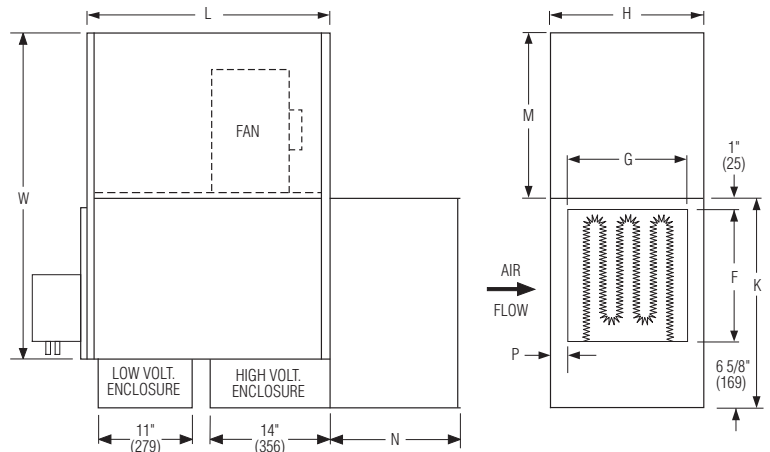
Three phase, 60 Hz.

- 208V    480V (4 wire wye).

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**Options:**

- Toggle disconnect switch (includes fan).
- Door interlock disconnect switch.
- SCR control.
- 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 F x G	K	H	M	N	P	Outlet Duct Size F x G	K	H	M	N	P
2	17 x 12	24 5/8	14	15 7/8	12 1/2	1	432 x 305	626	356	403	318	25
3	17 x 16	24 5/8	18	19 3/8	15 1/4	1	432 x 406	626	457	492	387	25
5	25 x 16	32 5/8	18	18 3/4	15 1/4	1	635 x 406	829	457	476	387	25
6	29 x 18	36 5/8	20	19 7/8	15 1/4	1	737 x 457	930	508	505	387	25

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<b>CONTRACTOR</b>	2 - 2 - 11	3500	10 - 20 - 08	35N-1A