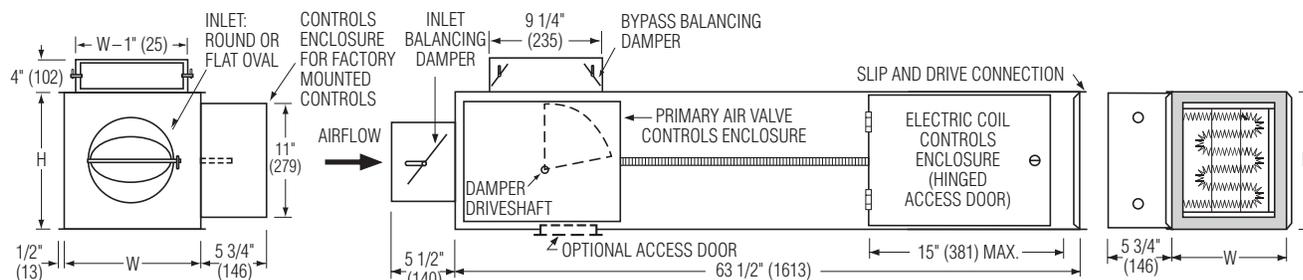




**BYPASS TERMINAL UNIT WITH ELECTRIC REHEAT**  
**DIGITAL OR ANALOG CONTROLS**  
**PRESSURE DEPENDENT**  
**MODELS: D34RE AND A34RE**



**Dimensional Data**

Unit Size	Airflow Range cfm (l/s)	W	H	Inlet Size
6	0 – 400 (0 – 189)	10 (254)	12 1/2 (318)	5 7/8 (149) Round
8	0 – 700 (0 – 330)	12 (305)	12 1/2 (318)	7 7/8 (200) Round
10	0 – 1100 (0 – 519)	14 (356)	12 1/2 (318)	9 7/8 (251) Round
12	0 – 1600 (0 – 755)	18 (457)	12 1/2 (318)	12 15/16 x 9 13/16 (329 x 249) Oval
14	0 – 2100 (0 – 991)	24 (610)	12 1/2 (318)	16 1/16 x 9 13/16 (408 x 249) Oval
16	0 – 2750 (0 – 1298)	28 (711)	12 1/2 (318)	19 3/16 x 9 13/16 (487 x 249) Oval



**Standard Features:**

- Casing – 22 ga. (0.86) galvanized steel with round or flat oval inlets. Outlets are rectangular with slip and drive connections.
- Damper – Heavy gauge steel cylindrical "Flow Diverter" valve design for reliable long term operation. 90° rotation. CW to close.
- 1/2" (13) dia. plated steel driveshaft. An indicator mark on the end of the shaft shows damper position.
- 3/4" (19) dual density insulation. Exposed edges are coated to prevent airflow erosion. Material meets requirement of NFPA 90A and UL 181 standards.
- Inlet balancing damper.
- Adjustable bypass port balancing dampers.
- Tested in accordance with ANSI/ASHRAE Standard 130 and AHRI 880, in an independent test laboratory.
- Compact low profile design is ideally suited for installation in tight spaces.
- A full NEMA 1 type controls enclosure is provide for factory mounted controls. (Optional for field mounted controls).
- Right hand controls location is standard (shown) when looking in direction

of airflow. Optional left hand controls mounting is available when damper is CCW to close.

- Bypass port may be removed for ducted return applications.
- Gauge tap for system balancing.

**Controls:**

- Digital (supplied by others):
  - Factory mounted.
  - Field installed.
- Analog (by Nailor). Factory mounted. See separate submittal.

**Electric Coil Features:**

- Primary auto-reset high limit thermal cut-out (one per coil in control circuit).
- Secondary manual reset high limit thermal cut-outs (one per element).
- Positive pressure airflow switch.
- Class A 80/20 Ni/Cr wire.
- Magnetic or safety contactors as required.
- 24 Vac Class II control transformer.
- Line terminal block.
- ETL Listed.

**Voltage:**

- Single phase, 60 Hz.
  - 120V     208V     240V
  - 277V     347V
- Three phase, 60 Hz.
  - 208V     480V     600V
  - \_\_\_\_\_

**Options and Accessories:**

- Controls enclosure for field mounted controls.
- Mercury contactor.
- Toggle type disconnect switch.
- Door interlock disconnect switch.
- Power circuit fusing.
- Dust tight construction.
- SCR control.
- Bottom access door.
- Special Features: \_\_\_\_\_

**Note:**

Minimum air volume must be field set to maintain or exceed minimum required flow over coil to eliminate nuisance tripping. Minimum airflow is 70 cfm (33 l/s) per kW.

<b>SCHEDULE TYPE:</b>					
<b>PROJECT:</b>					
<b>ENGINEER:</b>		<b>DATE</b>	<b>B SERIES</b>	<b>SUPERSEDES</b>	<b>DRAWING NO.</b>
<b>CONTRACTOR:</b>		7 - 16 - 18	3400	5 - 15 - 18	D34RE-1