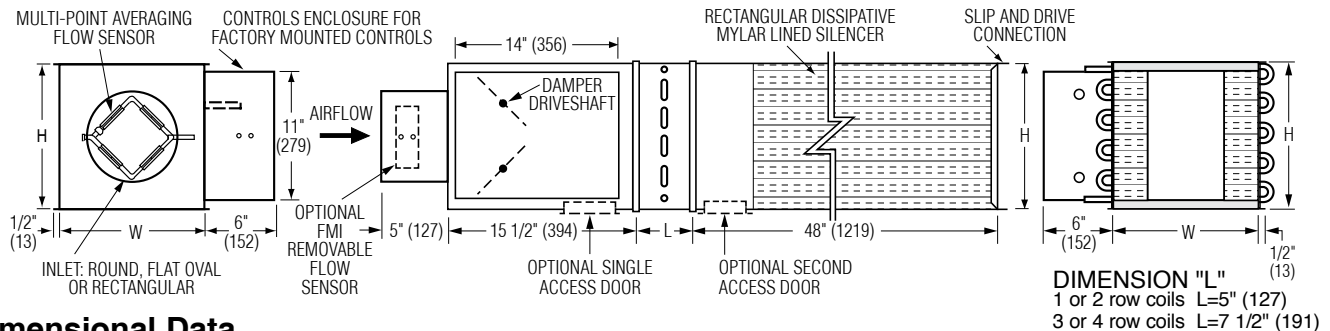




SINGLE DUCT TERMINAL UNIT WITH HOT WATER REHEAT AND DISSIPATIVE SILENCER
HOSPITAL GRADE • SUPER QUIET
DIGITAL CONTROLS • VARIABLE OR CONSTANT VOLUME
MODEL: D30HQW

Hot Water Coil Position: Box/Coil/Silencer



Dimensional Data

Unit Size	Airflow Range* cfm (l/s)	W	H	Inlet Size	Coil Connections			
					1 Row	2 Row	3 Row	4 Row
4	0 – 225 (0 – 106)	10 (254)	10 (254)	3 7/8 (98) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
5	0 – 400 (0 – 189)	10 (254)	10 (254)	4 7/8 (124) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
6	0 – 550 (0 – 260)	10 (254)	10 (254)	5 7/8 (149) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
7	0 – 800 (0 – 378)	12 (305)	12 1/2 (318)	6 7/8 (175) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
8	0 – 1100 (0 – 519)	12 (305)	12 1/2 (318)	7 7/8 (200) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
9	0 – 1400 (0 – 661)	14 (356)	12 1/2 (318)	8 7/8 (225) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
10	0 – 1840 (0 – 868)	14 (356)	12 1/2 (318)	9 7/8 (251) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
12	0 – 2500 (0 – 1180)	18 (457)	12 1/2 (318)	12 15/16 x 9 13/16 (329 x 249) Oval	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
14	0 – 3125 (0 – 1475)	24 (610)	12 1/2 (318)	16 1/16 x 9 13/16 (408 x 249) Oval	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
16	0 – 3725 (0 – 1758)	28 (711)	12 1/2 (318)	19 3/16 x 9 13/16 (487 x 249) Oval	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)
24 x 16	0 – 8330 (0 – 3931)	38 (965)	18 (457)	23 7/8 x 15 7/8 (606 x 403) Rect.	7/8 (22)	7/8 (22)	1 3/8 (35)	1 3/8 (35)



* Maximum airflow limit is based upon 1.5" w.g. (373 Pa) max. differential pressure signal from Flow Sensor.

Standard Features:

- Designed for hospital and other critical environment applications where IAQ is a concern.
- 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction.
- 16 ga. (1.63) corrosion-resistant steel inclined opposed blade damper with extruded PVC seals (single blade on size 4, 5, 6). 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa).
- 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position.
- Multi-point averaging Diamond Flow Sensor. Supplied with balancing tees.
- Rectangular discharge with slip and drive cleat duct connection.
- Full NEMA 1 type controls enclosure for factory mounted controls.
- VAV section is lined with 13/16" (21), thick, 4 lb. density Steri-Liner insulation. Fiberglass with a reinforced aluminum FSK facing. Meets the requirements of NFPA 90A, UL 181 and ASTM C655. "Notch and tuck" fabrication and full seam length steel Z-strip construction.

- Right-hand controls location is standard (shown) when looking in direction of airflow. Optional left hand controls mounting is available.

Silencer Section:

- Designed to mate with VAV section for optimum performance and super quiet operation.
- Optimized internal baffle geometry reduces self-generated noise, minimizes pressure drop and maximizes acoustic attenuation.
- 22 ga. (0.86) coated steel perforated baffles encapsulate fiberglass acoustic media. Mylar lining with acoustical spacer isolates material from airstream.
- Internal Steri-Liner insulation on top and bottom optimizes sound reduction and eliminates need for external field applied thermal duct wrap.

Hot Water Coil Section:

- Position: Box/Coil/Silencer (shown above).
- 1/2" (13) Copper tubes and aluminum ripple fins, 10 per inch.
- 20 ga. (1.00) zinc coated steel casing Uninsulated.
- Left or right hand connection. Determined by looking in direction of airflow (RH illustrated).



- 1/2" (13), 7/8" (22) or 1 3/8" (35) O.D. male solder sweat connections.

Digital Controls:

- Nailor EZvav.
 - Factory mount (by others).
 - Field mount.
- See separate submittal.

Options and Accessories:

- HW coil position: Box/Silencer/Coil (see page 2).
 - Access door.
 - 2 Access doors.
 - Removable insert type Diamond Flow Sensor.
 - 24 VAC control transformer.
 - Toggle disconnect switch.
 - Hanger brackets.
 - Controls enclosure for field mounted controls.
 - Dust tight enclosure seal.
- Seismic Certification:
- SSI (Standard)
 - OSHPD
 - Special Features: _____

SCHEDULE TYPE:
PROJECT:
ENGINEER:
CONTRACTOR:

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

DATE	B SERIES	SUPERSEDES	DRAWING NO.
4 - 3 - 23	3000	4 - 11 - 22	D30HQW

