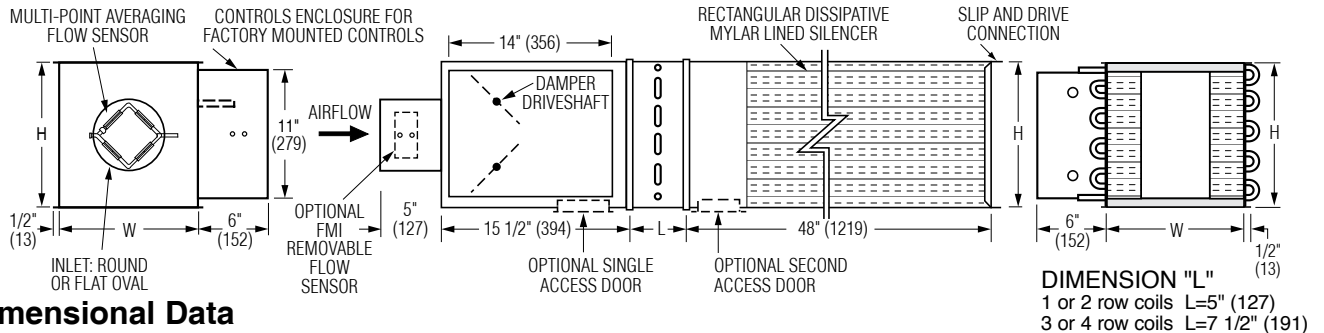




**SINGLE DUCT TERMINAL UNIT WITH HOT WATER REHEAT AND DISSIPATIVE SILENCER**  
**HOSPITAL GRADE • SUPER QUIET**  
 OVERSIZED CASING (LARGER WATER COIL)  
 DIGITAL CONTROLS • VARIABLE OR CONSTANT VOLUME  
**MODEL: D30HQW**

Hot Water Coil Position: Box/Coil/Silencer



**Dimensional Data**

Unit Size	Inlet Size	Airflow Range* cfm (l/s)	W	H	Inlet Size (Nominal)	Coil Connections			
						1 Row	2 Row	3 Row	4 Row
8	4	0 - 225 (0 - 106)	12 (305)	12 1/2 (318)	3 7/8 (98) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
	5	0 - 400 (0 - 189)			4 7/8 (124) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
	6	0 - 550 (0 - 260)			5 7/8 (149) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
10	7	0 - 800 (0 - 378)	14 (356)	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)			7 7/8 (200) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
12	9	0 - 1400 (0 - 661)	18 (457)	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)			9 7/8 (251) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
14	12	0 - 2500 (0 - 1180)	24 (610)	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)
16	14	0 - 3125 (0 - 1475)	28 (711)	12 1/2 (318)	16 1/16 x 9 13/16 (408 x 249) Oval	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)
24	16	0 - 3725 (0 - 1758)	38 (965)	18 (457)	19 3/16 x 9 13/16 (487 x 249) Oval	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:**

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

**Options and Accessories:**

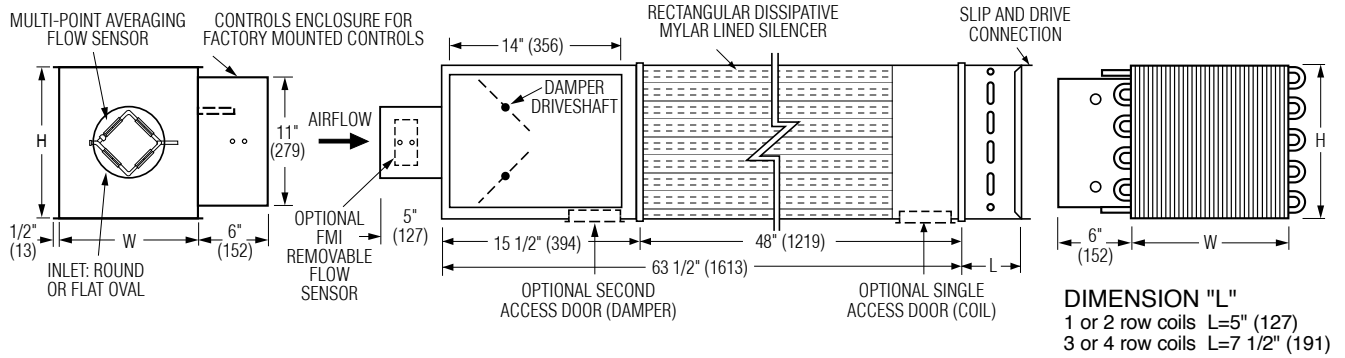
- Solid metal liner (VAV section).
  - HW coil position: Box/Silencer/Coil (see page 2).
  - Access door.
  - 2 Access doors.
  - Removable insert type Flow Sensor.
  - 20 ga. (1.00) construction.
  - 24 VAC control transformer.
  - Toggle disconnect switch.
  - Hanger brackets.
  - Controls enclosure for field mounted controls.
  - Dust tight enclosure seal.
- Seismic Certification:
- Seismic Source International (Standard)
  - HCAI (formerly OSHPD, California)
  - Special Features: \_\_\_\_\_

<b>SCHEDULE TYPE:</b>				
<b>PROJECT:</b>				
<b>ENGINEER:</b>		<b>DATE</b>	<b>B SERIES</b>	<b>SUPERSEDES</b>
<b>CONTRACTOR:</b>		4 - 3 - 23	3000	4 - 11 - 22
				<b>DRAWING NO.</b>
				D30HQW-OC



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☐ Hot Water Coil Position: Box/Silencer/Coil



<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.
4 - 3 - 23	3000	4 - 11 - 22	D30HQW-OC