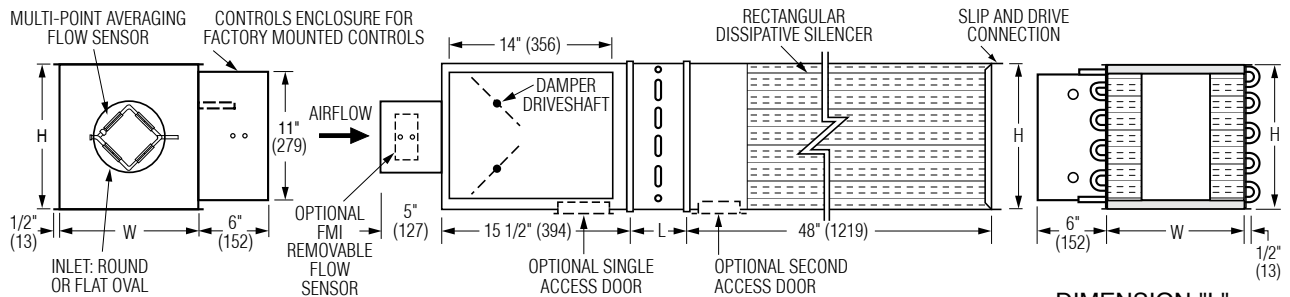




**SINGLE DUCT TERMINAL UNIT WITH DISSIPATIVE SILENCER AND HOT WATER REHEAT • SUPER QUIET OVERSIZED CASING (LARGER WATER COIL) DIGITAL CONTROLS • VARIABLE OR CONSTANT VOLUME MODEL: D30RWQ**

**Hot Water Coil Position: Box/Coil/Silencer**



**DIMENSION "L"**  
 1 or 2 row coils L=5" (127)  
 3 or 4 row coils L=7 1/2" (191)

**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 noise sensitive applications such as classrooms, libraries, studios and performance halls.
- 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 3/4" (19), dual density insulation, exposed edges coated to prevent air erosion. Meets the requirements of NFPA 90A and UL 181.
- 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 w/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.
- 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:**

- HW coil position: Box/Silencer/Coil (see page 2).
  - Access door.
  - 2 Access doors.
  - Removable insert type Flow Sensor.
  - 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>CONTRACTOR:</b>

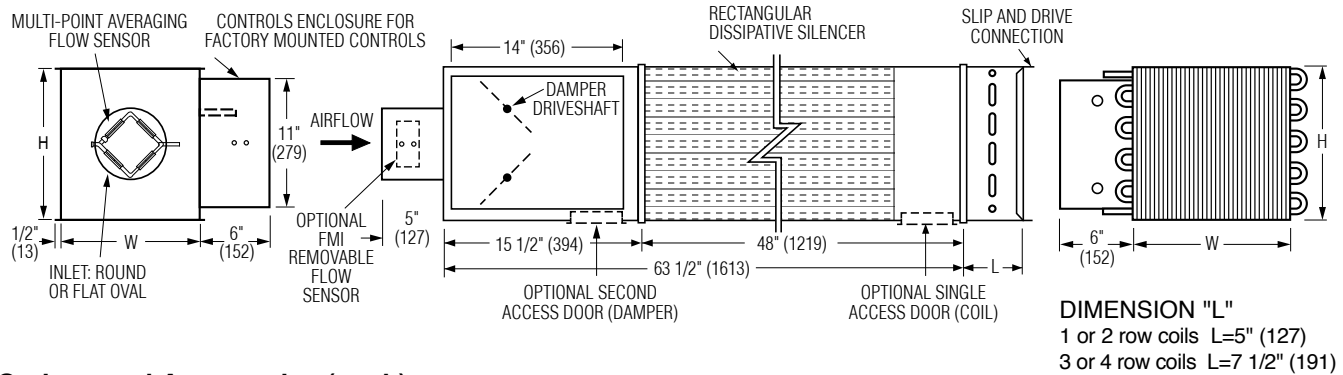
Page 1 of 2.  
 Dimensions are in inches (mm)

<b>DATE</b>	<b>B SERIES</b>	<b>SUPERSEDES</b>	<b>DRAWING NO.</b>
4 - 3 - 23	3000	4 - 11 - 22	D30RWQ-OC



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**Hot Water Coil Position: Box/Coil/Silencer**



**Options and Accessories (con't):**

**Terminal Unit Liner:**

- Steri-liner.
- Steri-liner + Perforated metal liner.
- Fiber-free liner.
- Perforated metal liner.
- Solid metal liner.
- 1" (25) liner.

**Silencer Acoustic Media:**

- Mylar/Spacer liner.
- Fiberglass cloth liner.

<b>SCHEDULE TYPE:</b>		Page 2 of 2.			
<b>PROJECT:</b>		Dimensions are in inches (mm)			
<b>ENGINEER:</b>		<b>DATE</b>	<b>B SERIES</b>	<b>SUPERSEDES</b>	<b>DRAWING NO.</b>
<b>CONTRACTOR:</b>		4 - 3 - 23	3000	4 - 11 - 22	D30RWQ-OC