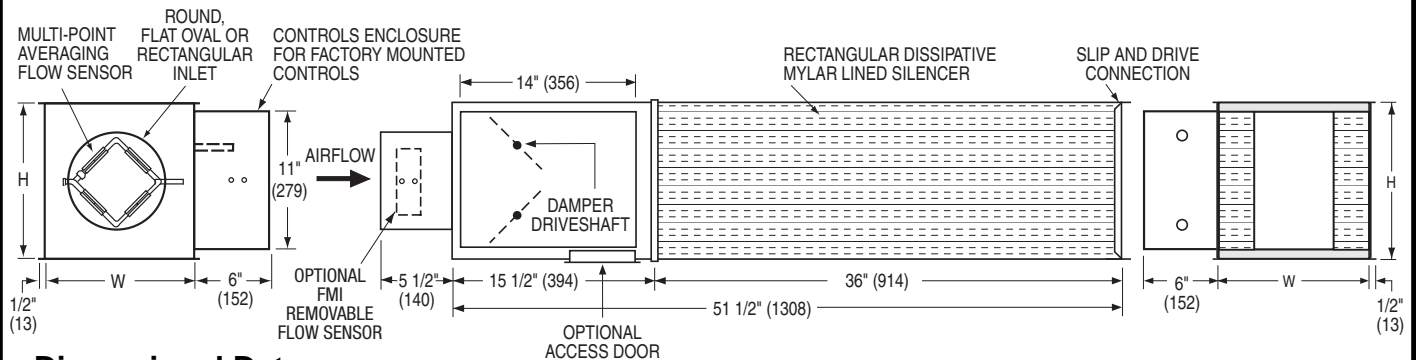




**SINGLE DUCT TERMINAL UNIT WITH DISSIPATIVE SILENCER**  
**HOSPITAL GRADE • SUPER QUIET**  
**DIGITAL CONTROLS • VARIABLE OR CONSTANT VOLUME**  
**MODEL: D30HQ**



**Dimensional Data**

Unit Size	Airflow Range cfm (l/s)	W	H	Inlet Size
4	0 – 180 (0 – 85)	10 (254)	10 (254)	3 7/8 (98) Round
5	0 – 325 (0 – 153)	10 (254)	10 (254)	4 7/8 (124) Round
6	0 – 450 (0 – 212)	10 (254)	10 (254)	5 7/8 (149) Round
7	0 – 650 (0 – 307)	12 (305)	12 1/2 (318)	6 7/8 (175) Round
8	0 – 900 (0 – 425)	12 (305)	12 1/2 (318)	7 7/8 (200) Round
9	0 – 1150 (0 – 543)	14 (356)	12 1/2 (318)	8 7/8 (225) Round
10	0 – 1500 (0 – 708)	14 (356)	12 1/2 (318)	9 7/8 (251) Round
12	0 – 2050 (0 – 967)	18 (457)	12 1/2 (318)	12 13/16 x 9 13/16 (329 x 249) Oval
14	0 – 2550 (0 – 1203)	24 (610)	12 1/2 (318)	16 1/16 x 9 13/16 (408 x 249) Oval
16	0 – 3040 (0 – 1435)	28 (711)	12 1/2 (318)	19 3/16 x 9 13/16 (487 x 249) Oval
24 x 16	0 – 6800 (0 – 3209)	38 (965)	18 (457)	23 7/8 x 15 7/8 (606 x 403) Rect.



**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. Aluminum construction. 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.

**Digital Controls (by others):**

- Factory mount. (See separate submittal)
- Field mount.

**Options and Accessories:**

- Bottom access door.
- FMI 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.
- Special Features:

<b>SCHEDULE TYPE</b>		Page 1 of 1. Dimensions are in inches (mm).			
<b>PROJECT</b>					
<b>ENGINEER</b>	<b>DATE</b>	<b>B SERIES</b>	<b>SUPERSEDES</b>	<b>DRAWING NO.</b>	
<b>CONTRACTOR</b>	4 - 25 - 10	3000	9 - 23 - 09	D30HQ	