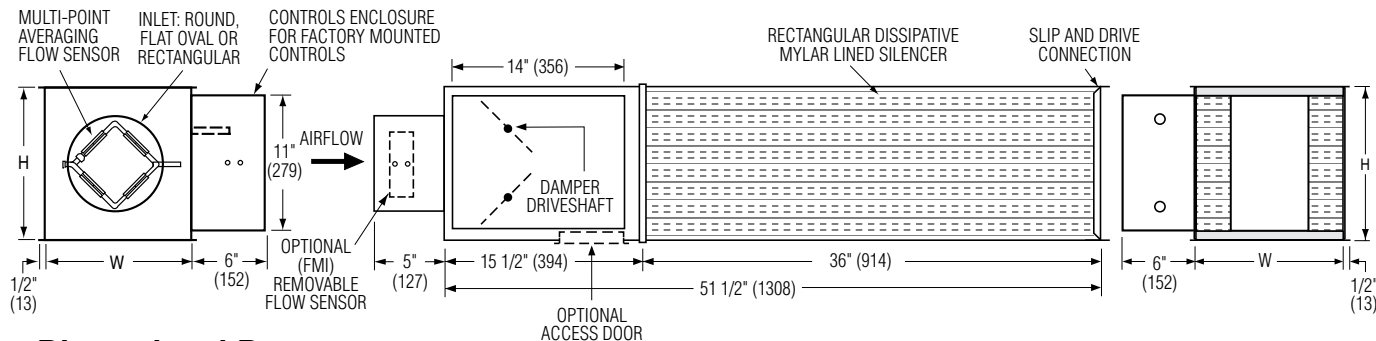




SINGLE DUCT TERMINAL UNIT WITH DISSIPATIVE SILENCER
HOSPITAL GRADE • SUPER QUIET
DIGITAL CONTROLS • VARIABLE OR CONSTANT VOLUME
MODEL: D30HQ



Dimensional Data

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

* Maximum airflow limit is based upon 1.5" w.g. (373 Pa) max. differential pressure signals 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. 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:

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

Options and Accessories:

- 1" (25) Steri-Liner (VAV section).
 - Bottom access door.
 - FMI Removable insert type Flow Sensor.
 - 24 VAC control transformer.
 - 20 ga. (1.00) construction.
 - 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: _____



| | | | | |
|-----------------------|--|-------------|-----------------|--------------------|
| SCHEDULE TYPE: | | | | |
| PROJECT: | | | | |
| ENGINEER: | | DATE | B SERIES | SUPERSEDES |
| CONTRACTOR: | | 2 - 27 - 24 | 3000 | 3 - 12 - 18 |
| | | | | DRAWING NO. |
| | | | | D30HQ |