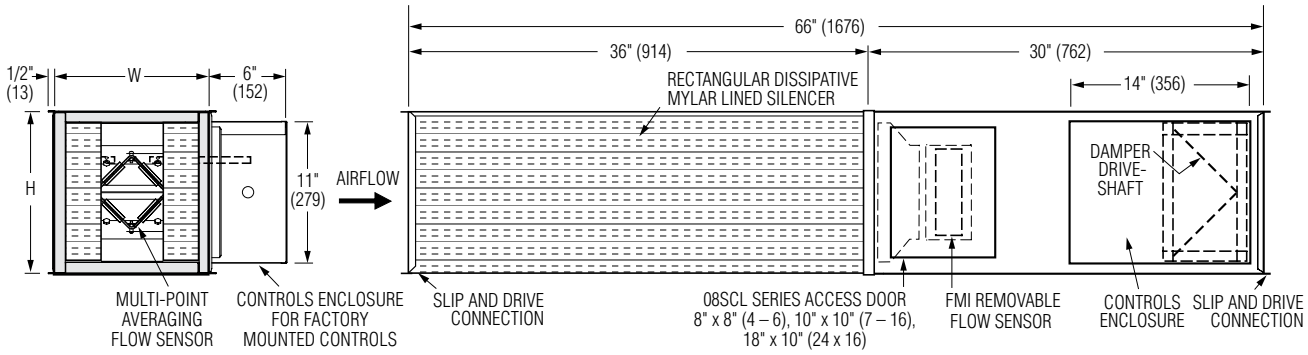
SINGLE DUCT EXHAUST TERMINAL UNIT WITH DISSIPATIVE SILENCER
HOSPITAL GRADE • SUPER QUIET
DIGITAL CONTROLS • VARIABLE OR CONSTANT VOLUME
MODEL: D30HQX



Dimensional Data

Unit Size	Min.– Max. Airflow Range* cfm (l/s)	W	H
4	30 – 210 (14 – 99)	10 (254)	10 (254)
5	50 – 345 (24 – 163)	10 (254)	10 (254)
6	80 – 580 (38 – 274)	10 (254)	10 (254)
7	95 – 680 (45 – 321)	12 (305)	12 1/2 (318)
8	140 – 970 (66 – 458)	12 (305)	12 1/2 (318)
9	170 – 1210 (80 – 571)	14 (356)	12 1/2 (318)
10	220 – 1540 (104 – 727)	14 (356)	12 1/2 (318)
12	320 – 2270 (151 – 1071)	18 (457)	12 1/2 (318)
14	360 – 2520 (170 – 1189)	24 (610)	12 1/2 (318)
16	505 – 3580 (238 – 1689)	28 (711)	12 1/2 (318)
24 x 16	990 – 7000 (467 – 3303)	38 (965)	18 (457)

***** Minimum flows are based upon 0.02" w.g. (5 Pa) differential pressure from flow sensor. The maximum flow rate represents the diamond flow sensor's differential pressure reading at 1" w.g. (250 Pa).

Standard Features:

• Venturi valve inlet for reduced pressure drop.

• 22 ga. (0.86) galvanized steel casing, mechanically sealed, low leakage construction.

• 16 ga. (1.63) corrosion-resistant steel inclined opposed blade damper with extruded PVC seals. 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.

• FMI Diamond Flow Sensor is insert type design to permit easy removal for cleaning. Secured with thumb screws.

• Side access door allows quick access to flow sensor.

• Rectangular inlet and 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 mount (by others)

❑ Field mount

See separate submittal.

Options and Accessories:

❑ Bottom Mount Control Enclosure (See page 2).

❑ Solid metal liner (VAV section).

❑ 24 VAC control transformer.

❑ Toggle disconnect switch.

❑ Hanger brackets.

❑ Controls enclosure for field mounted controls.

❑ Dust tight enclosure seal.

❑ 20 ga. (1.00) construction.

Seismic Certification:

❑ Seismic Source International (Standard)

❑ HCAI (formerly OSHPD, California)

❑ Special Features: _____ .

Dimensions are in inches (mm).

SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	**DATE**	**B SERIES**	**SUPERSEDES**	**DRAWING NO.**
CONTRACTOR:	**8 - 11 - 22**	**3000**	**5 - 21 - 21**	**D30HQX**

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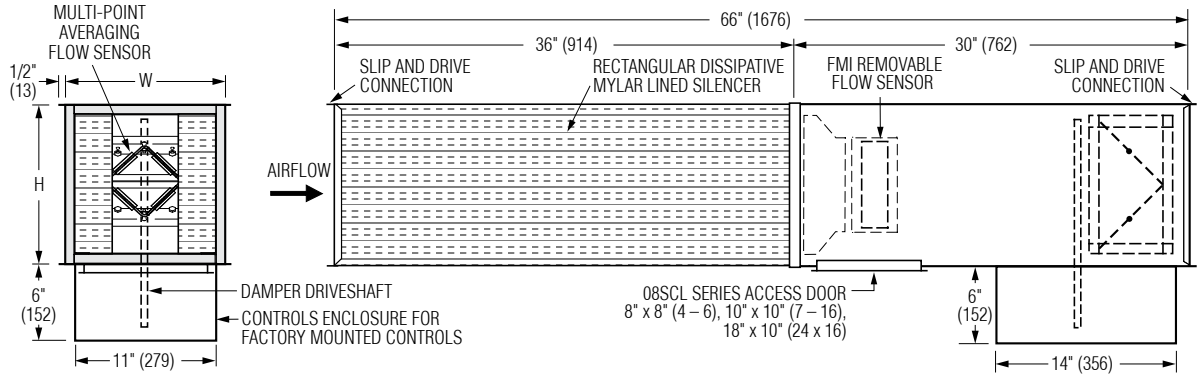
❑ Bottom Mount Control Enclosure (option OB)

- NEMA 1 type, bottom mount controls location with vertical driveshaft.
- 1/2" (13) dia. plated steel driveshaft.
- Bottom mount access door to allow access to the Flow Sensor.



SCHEDULE TYPE:	Page 2 of 2.			
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