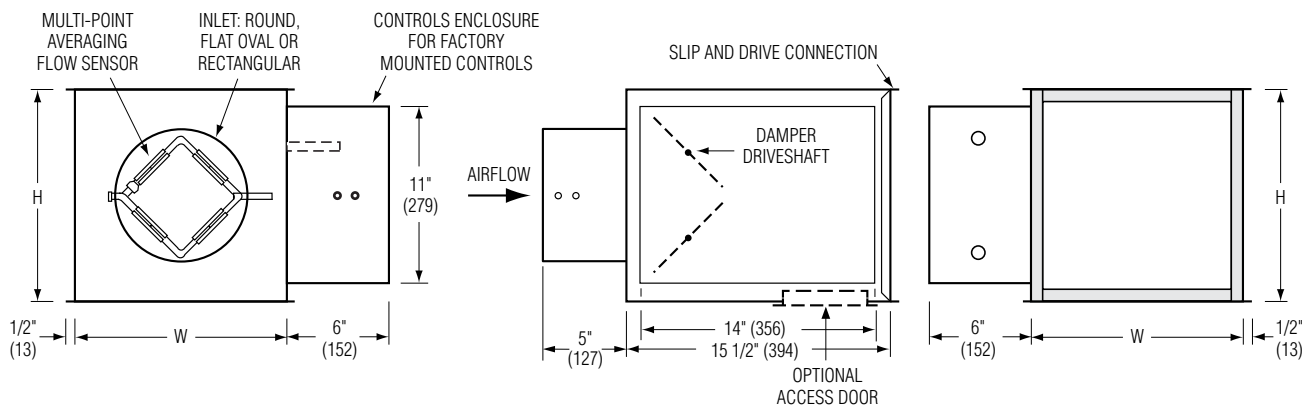




**SINGLE DUCT TERMINAL UNIT**  
**DIGITAL CONTROLS • PRESSURE INDEPENDENT**  
**CONSTANT OR VARIABLE VOLUME**  
**MODEL: D3001**



**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 signal from Flow Sensor.

**Standard Features:**

- 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 (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 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.

- 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.
- Model D3001 can be installed horizontally, vertical or at any angle. Operation is not affected by position.

**Digital Controls:**

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

**Options and Accessories:**

- Fiber-free liner.
  - Perforated metal liner.
  - Solid metal liner.
  - Steri-liner.
  - Steri-liner + Perforated metal liner.
  - 1" (25) liner.
  - FMI Removable insert type Flow Sensor.
  - Bottom access door.
  - 24 VAC control transformer.
  - 20 ga. (1.00) construction.
  - Toggle disconnect switch.
  - Controls enclosure for field mounted controls.
  - Hanger brackets.
  - Dust tight enclosure seal.
  - Ultra low leakage casing.
- Seismic Certification:
- Seismic Source International (Standard)
  - HCAI (formerly OSHPD, California)
  - Special features: \_\_\_\_\_ .



Intertek



**SCHEDULE TYPE:**

**PROJECT:**

**ENGINEER:**

**CONTRACTOR:**

**DATE**

**B SERIES**

**SUPERSEDES**

**DRAWING NO.**

11 - 2 - 22

3000

10 - 6 - 21

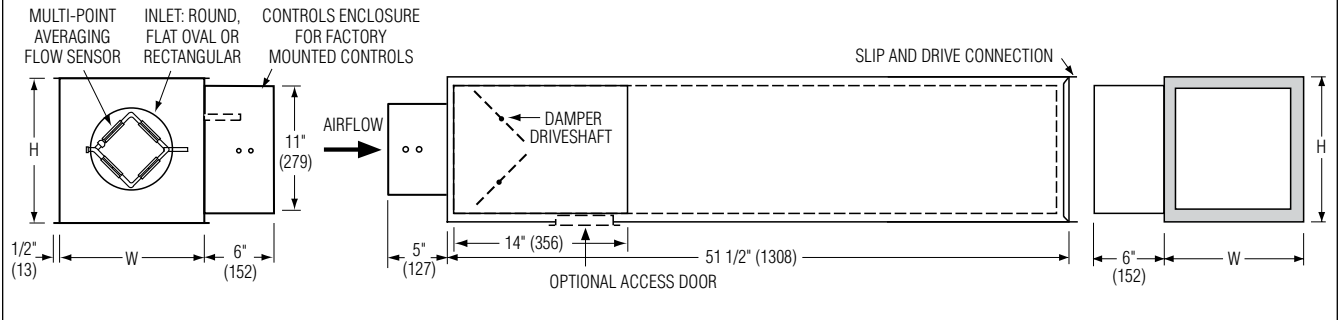
D3001-1

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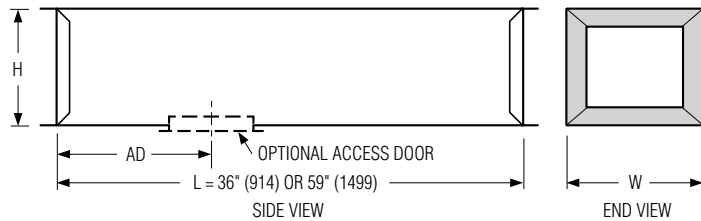
Dimensions are in inches (mm).

**Integral Sound Attenuator**

- Single continuous length terminal construction minimizes casing leakage.
- Continuous internal insulation reduces insulation seams and minimizes airflow disturbance.
- Supplied with same liner as basic unit.

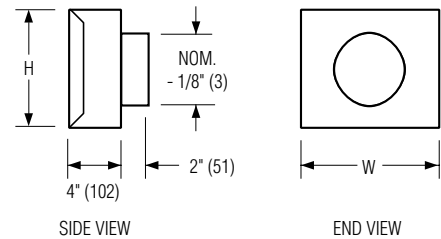


**AT Discharge Sound Attenuator (loose)**

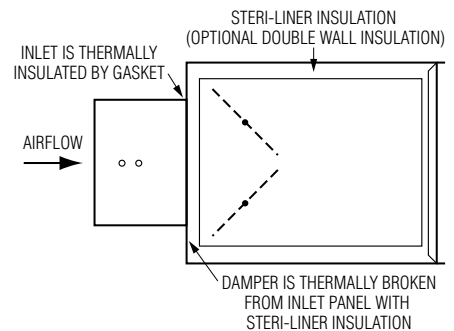


- 22 ga. (0.86) galvanized steel construction.
  - Shipped loose for field attachment.
  - Slip and drive connection.
  - Supplied as standard with same liner as basic unit.
- AT303** 3' (916) Long - Standard.
  - AT305** 5' (1524) Long - Optional.
  - Special Features: \_\_\_\_\_

**FF Round Discharge Collar**



**FTL Low Temperature Construction**



**Dimensional Data**

Unit Size	W	H	AD	FF Nominal Outlet Size
4, 5, 6	10 (254)	10 (254)	12 (305)	4, 5, 6 (102, 127, 152)
7, 8	12 (305)	12 1/2 (318)	12 (305)	7, 8 (178, 203)
9, 10	14 (356)	12 1/2 (318)	12 (305)	9, 10 (229, 254)
12	18 (457)	12 1/2 (318)	12 (305)	12 (305)
14	24 (610)	12 1/2 (318)	12 (305)	14 (356)
16	28 (711)	12 1/2 (318)	12 (305)	16 (406)
24 x 16	38 (965)	18 (457)	12 (305)	-

**SCHEDULE TYPE:**

**PROJECT:**

**ENGINEER:**

**CONTRACTOR:**

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

**DATE**

**B SERIES**

**SUPERSEDES**

**DRAWING NO.**

11 - 2 - 22

3000

10 - 6 - 21

D3001-1