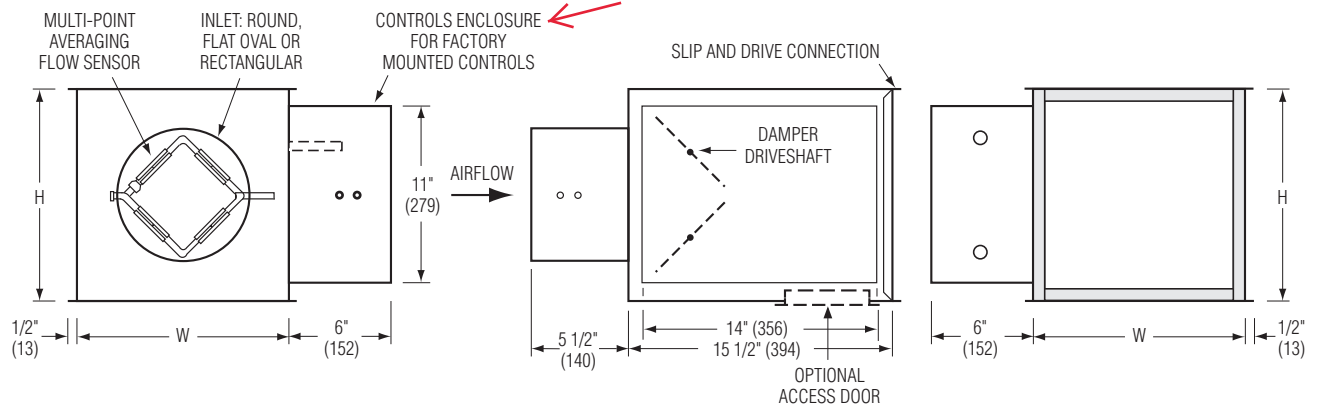




SINGLE DUCT TERMINAL UNIT
DIGITAL OR ANALOG CONTROLS
PRESSURE INDEPENDENT
VARIABLE OR CONSTANT VOLUME
MODELS: D3001 AND A3001



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 1/16 x 9 1/16 (329 x 249) Oval |
| 14 | 0 - 3125 (0 - 1475) | 24 (610) | 12 1/2 (318) | 16 1/16 x 9 1/16 (408 x 249) Oval |
| 16 | 0 - 3725 (0 - 1758) | 28 (711) | 12 1/2 (318) | 19 3/16 x 9 1/16 (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 Diamond Flow Sensor.

Standard Features:

- 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.
- 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.

Controls:

- Digital (by others).
 - Analog (by Nailor).
- See separate submittal.

Options and Accessories:

- Steri-liner.
- Fiber-free liner.
- Solid metal liner.
- Perforated Metal Liner.
- 1" (25) liner.
- Bottom access door.
- 24 VAC control transformer.
- Toggle disconnect switch.
- Hanger brackets.
- Controls enclosure for field mounted controls.
- Dust tight enclosure seal.
- 20 ga. (1.00) construction.
- Special Features: _____ .



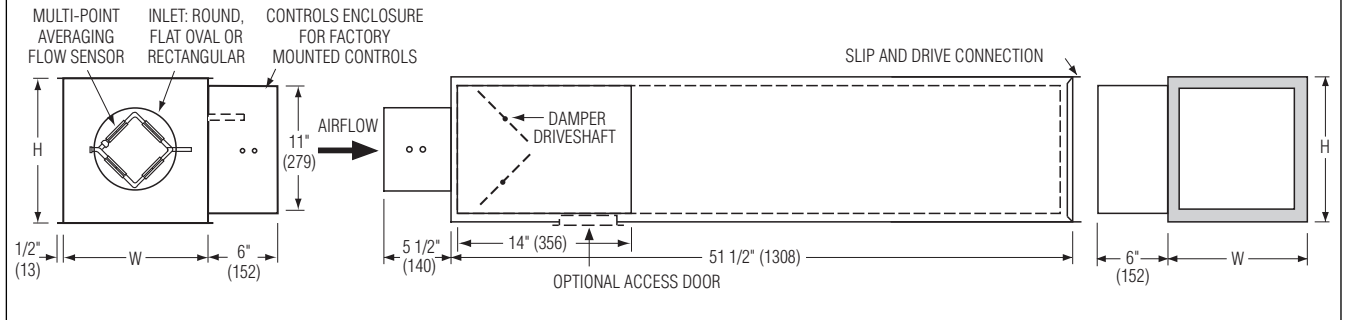
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|-----------------------|
| SCHEDULE TYPE: |
| PROJECT: |
| ENGINEER: |
| CONTRACTOR: |

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

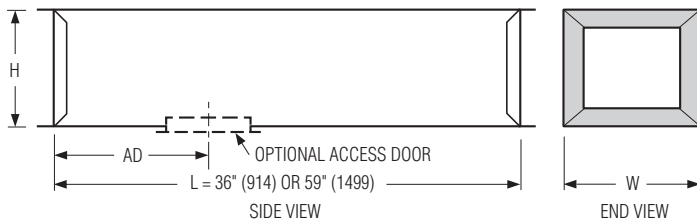
| DATE | B SERIES | SUPERSEDES | DRAWING NO. |
|--------------|----------|-------------|-------------|
| 10 - 28 - 16 | 3000 | 7 - 19 - 10 | D3001-1 |

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.

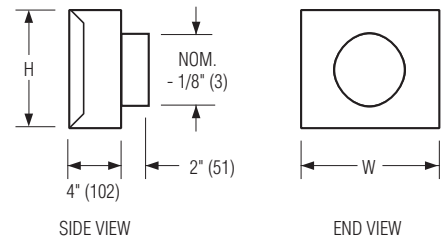


AT Discharge Sound Attenuator (loose)



- 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



Dimensional Data

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

| | | | | |
|-----------------------|--------------|-----------------|-------------------|--------------------|
| SCHEDULE TYPE: | | | | |
| PROJECT: | | | | |
| ENGINEER: | DATE | B SERIES | SUPERSEDES | DRAWING NO. |
| CONTRACTOR: | 10 - 28 - 16 | 3000 | 7 - 19 - 10 | D3001-1 |