

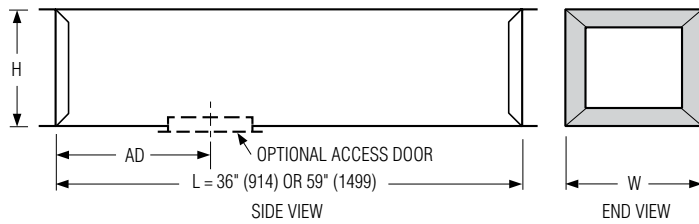


**SINGLE DUCT TERMINAL UNIT
ACCESSORY • DISCHARGE SOUND ATTENUATOR
MODELS: AT303 AND AT305**

Accessories:

Accessories ordered as separate models.

AT Discharge Sound Attenuator (loose)



- 22 ga. (0.86) galvanized steel construction.
 - Shipped loose for field attachment.
 - Slip and drive connection.
 - 3/4" (14) dual density fiberglass insulation, exposed edges coated to prevent erosion as standard.
- AT303** 3' (916) Long - Standard.
 - AT305** 5' (1524) Long - Optional.
 - Special Features: _____

Dimensional Data

Unit Size	W	H	AD
4, 5, 6	10 (254)	10 (254)	12 (305)
7, 8	12 (305)	12 1/2 (318)	12 (305)
9, 10	14 (356)	12 1/2 (318)	12 (305)
12	18 (457)	12 1/2 (318)	12 (305)
14	24 (610)	12 1/2 (318)	12 (305)
16	28 (711)	12 1/2 (318)	12 (305)
24 x 16	38 (965)	18 (457)	12 (305)

Options:

- Steri-Liner.
- Fiber-Free Liner.
- Solid Metal Liner.
- 1" (25) Fiberglass Liner.
- 2" (51) Fiberglass Liner.
- Perforated Metal Liner.
- Steri-Liner with Perforated Liner.
- Access Door
 - Sizes 4 to 12 : 8" x 5" (203 x 127) Oval;
 - Sizes 14 to 24 x 16: 12" x 6" (305 x 152) Oval.
- Special Features: _____

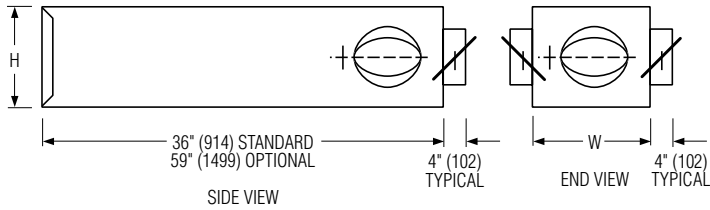
Note: Select Insulation to match VAV terminal.

SCHEDULE TYPE:	Dimensions are in inches (mm)			
PROJECT:				
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	3 - 30 - 17	3000	3 - 21 - 13	30AT



**SINGLE DUCT TERMINAL UNIT
ACCESSORY • MULTI-OUTLET ATTENUATOR
MODELS: MOA303 AND MOA305**

Multi-Outlet Attenuator

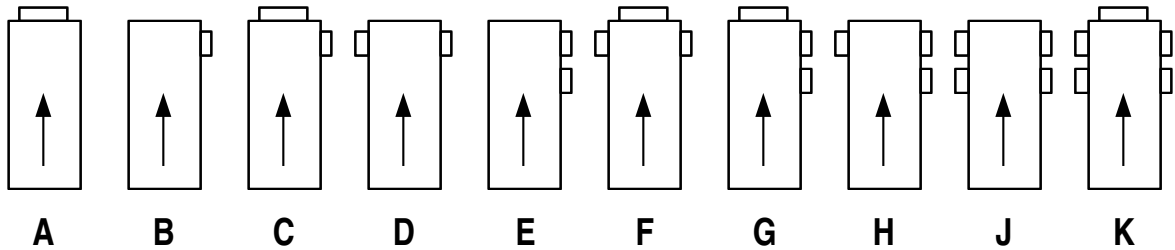


- MOA303** 3' (916) Long
- MOA305** 5' (1524) Long

Available Combinations

Unit Size	W	H	No. of Outlets	Outlet Size
4, 5, 6	10 (254)	10 (254)	1, 2, or 3	6 (152)
7, 8	12 (305)	12 1/2 (318)	2, 3, 4 or 5	6, 8 (152, 203)
9, 10	14 (356)	12 1/2 (318)	3, 4 or 5	8 (203)
	14 (356)	12 1/2 (318)	2, 3 or 4	10 (254)
12	18 (457)	12 1/2 (318)	4 or 5	8 (203)
	18 (457)	12 1/2 (318)	3, 4 or 5	10 (254)
14	28 (711)	12 1/2 (318)	4 or 5	10 (254)
16	28 (711)	12 1/2 (318)	4 or 5	10 (254)

Standard Outlet Arrangements



Features:

- 22 ga. (0.86) corrosion-resistant steel, mechanically sealed, low leakage construction.
- All are supplied with slip and drive cleat duct connection.
- Shipped loose for field attachment.
- 3/4" (19) dual density insulation standard. Exposed edges are coated to prevent erosion. Meets requirements of NFPA 90A and UL 181 Standards.
- Only one outlet size to be specified per M.O.A.. No mixing of outlet sizes on the same unit.
- Number and size of outlets on M.O.A. not to exceed the limits listed in table, both maximum quantity of outlets and maximum size of outlet.
- All round outlets c/w manual dampers with hand locking quadrant.
- Denotes inlet air flow direction. →
- For special outlet sizes and arrangements, consult your Nailor representative.

Options:

- Steri-liner.
- Fiber-free liner.
- 1" (25) liner.
- Special Features: _____

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Dimensions are in inches (mm)

DATE

B SERIES

SUPERSEDES

DRAWING NO.

3 - 30 -17

3000

1 - 20 -14

30MOA



**TERMINAL UNITS
LINER OPTIONS
TYPE: FIBERGLASS DUAL DENSITY INSULATION**

DESCRIPTION

Tuf-Skin® dual-density fiberglass insulation is the most widely-used insulation for HVAC equipment applications. The combination of high-density skin and low-density core provides high acoustical values in the high and low frequency ranges normally encountered in HVAC equipment.

Application. Tuf-Skin® provides effective thermal and acoustical control in air conditioning and heating equipment.

Advantage. The porosity and inherent structure of the flame-attenuated glass fiber blankets are highly effective in reducing thermal transfer.

Tuf-Skin® readily withstands damage from mechanical abrasion during assembly and from air erosion in service.

INSULATION CHARACTERISTICS

Material: Dual density fiberglass, surface treated to prevent erosion (Tuf-Skin® II)
 Available Thicknesses: 1/2" (13), 3/4" (19), 1" (25) (Consult individual model submittal for thickness used).
 Density: 4.0 lb/cu.ft. (64 kg/m³) skin, 1.5 lb/cu.ft. (24 kg/m³) core
 Thermal Conductance: 1/2" (13) - 0.52 BTU / hr-ft²-°F @ 75°F (2.95 W / m²-°C @ 24°C),
 3/4" (19) - 0.36 BTU / hr-ft²-°F @ 75°F (2.04 W / m²-°C @ 24°C),
 1" (25) - 0.26 BTU / hr-ft²-°F @ 75°F (1.47 W / m²-°C @ 24°C)
 Thermal Resistance: 1/2" (13) - 1.9 hr-ft²-°F / BTU (0.34 m²-°C / W),
 (Effective R-Value) 3/4" (19) - 2.8 hr-ft²-°F / BTU (0.49 m²-°C / W),
 1" (25) - 3.8 hr-ft²-°F / BTU (0.68 m²-°C / W)
 Flame Spread Index: 25
 Smoke Developed Index: 50

MAXIMUM AIR VELOCITY

3,600 FPM (1,097 mpm). Tested at two and one-half times (9,000 fpm) (2,743 mpm) the maximum recommended service velocity. Meets the erosion requirements of UL 181.

TEMPERATURE LIMIT

250°F (121°C).

STANDARD AND CODE COMPLIANCE

- ASTM E84, UL 723 and CAN/ULC S102 Flame/Smoke (25/50)
- NFPA 90A and 90B
- ASTM C 1071

Tuf-Skin® is a registered trademark of Johns Manville.

SCHEDULE TYPE:	Dimensions are in inches (mm)			
PROJECT:				
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	5 - 12 - 22	VAV.ACC.	3 - 30 - 22	VAV-FDD