



FAN POWERED TERMINAL UNITS DISCHARGE ATTENUATORS MODEL SERIES: 35S, 35SST, 35N, 37S & 37SST

DESCRIPTION:

- 22 ga. (0.86) galvanized steel construction. Mechanically sealed, low leakage construction.
- Attenuators are 36" (914) in length and lined with 3/4" (19) thick dual density insulation, (1/2" (13) thick on 37S low profile series) treated to prevent air erosion. Exposed edges are sealed. Insulation meets requirements of NFPA 90A and UL 181.
- Discharge attenuators are shipped loose for field attachment.

CONNECTIONS:

Upstream terminal connection has a 1" (25) flange. (*exception is AT35NW, slip and drive). Downstream has a slip and drive connection.

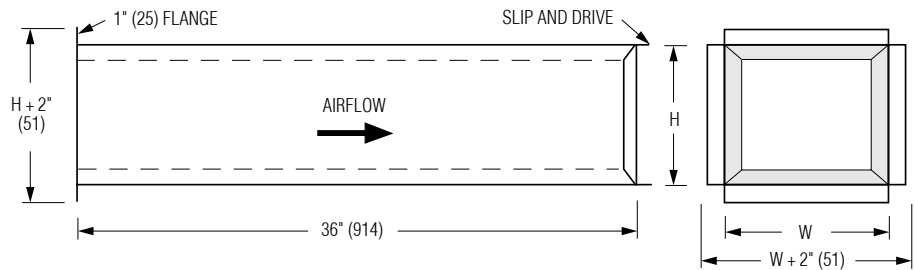
OPTIONS:

35S, 35SST & 35N

- ☐ **FG** Steri-Liner
13/16" (21) x 4.1 lb./cu. ft. density fiberglass with FSK aluminum facing.
- ☐ **FG1** Steri-Liner
1" (25) x 4.1 lb./cu. ft. density fiberglass with FSK aluminum facing.
- ☐ **FG2** Fiber Free Liner
3/4" (19) x 1 1/2 lb./cu. ft. density elastomeric foam.
- ☐ **FG3** Fiber Free Liner
1" (25) x 1 1/2 lb./cu. ft. density elastomeric foam.
- ☐ **FGJ** 13/16" (21) Steri-Liner with Perf.
- ☐ **FJ** 3/4" (19) Steri-Liner with Perforated Metal Liner/F. Glass.
- ☐ **FJ1** 1" (25) D. D. Fiberglass

37S & 37SST Series

- ☐ **FG5** Steri-Liner
1/2" (13) x 4.1 lb./cu. ft. density fiberglass with FSK aluminum facing.
- ☐ **FG25** Fiber Free Liner
1/2" (13) x 1 1/2 lb./cu. ft. density elastomeric foam.
- ☐ **FGJ5** Steri-Liner with Perf.
1/2" (13) thick fiberglass insulation.
- ☐ **FJ5** Perf. Metal Liner/F. Glass
1/2" (13) thick fiberglass insulation.



Dimensional Data

Model Series 35S and 35SST

Unit Size	Duct Size W x H		
	Model AT35S	Model AT35SE	Model AT35SW
	35S, 35SST	35SE, 35SEST	35SW, 35SWST
1, 2	12 x 12 (305 x 305)	10 1/4 x 10 1/2 (260 x 267)	16 x 12 (406 x 305)
3	12 x 12 (305 x 305)	10 1/4 x 10 1/2 (260 x 267)	16 x 15 (406 x 381)
4	12 x 12 (305 x 305)	13 x 10 1/2 (330 x 267)	24 x 15 (610 x 381)
5	14 x 12 (356 x 305)	14 1/4 x 11 3/4 (362 x 298)	24 x 15 (610 x 381)
6	14 x 12 (356 x 305)	14 1/4 x 11 3/4 (362 x 298)	28 x 17 (711 x 432)
7	40 x 12 (1016 x 305)	40 x 12 (1016 x 305)	50 x 15 (1270 x 381)

Model Series 35N

Unit Size	Duct Size W x H	
	Models AT35N, AT35NE	Model AT35NW
	35N, 35NE	35NW
2	17 x 12 (432 x 305)	16 x 12 1/2 (406 x 318)
3	17 x 16 (432 x 406)	16 x 15 (406 x 381)
5	25 x 16 (635 x 406)	24 x 15 (610 x 381)
6	29 x 18 (737 x 457)	28 x 17 1/2 (711 x 445)

Model Series 37S and 37SST

Unit Size	Duct Size W x H		
	Model AT37S	Model AT37SE	Model AT37SW
	37S, 37SST	37SE, 37SEST	37SW, 37SWST
1	13 x 9 (330 x 229)	14 x 9 (356 x 229)	15 x 9 (381 x 229)
2	14 x 9 (356 x 229)	14 x 9 (356 x 229)	24 x 9 (610 x 229)
3	15 x 9 (381 x 229)	14 x 9 (356 x 229)	24 x 9 (610 x 229)
4	28 x 9 (711 x 229)	28 x 9 (711 x 229)	42 x 9 (1067 x 229)

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Dimensions are in inches (mm)

DATE

B SERIES

SUPERSEDES

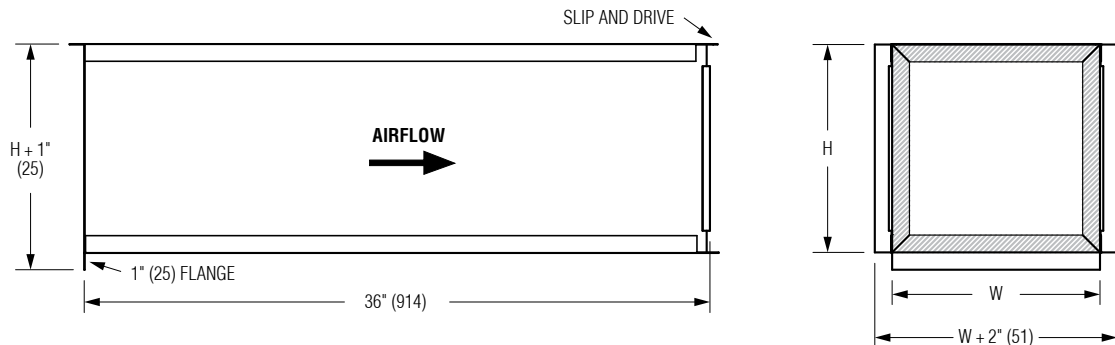
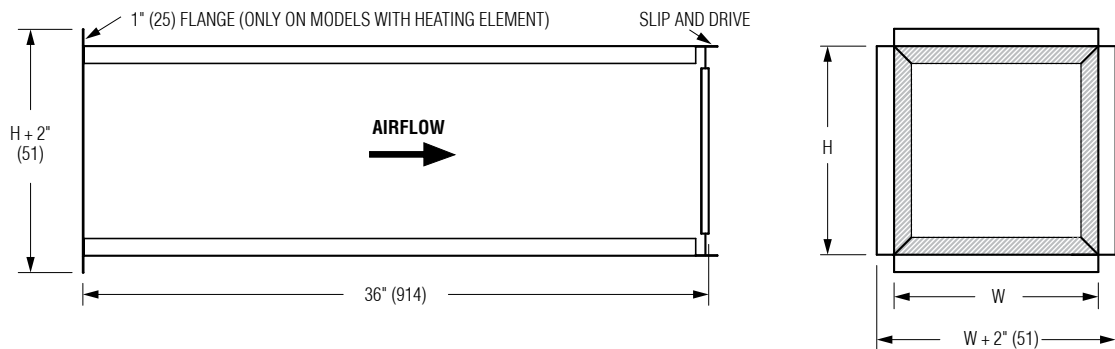
DRAWING NO.

4 - 3 - 25

3500/3700

8 - 10 - 17

35-37-DATT

☐ **Model AT35SXC**

☐ **Model AT35SEXC**
☐ **Model AT35SWXC**

Dimensional Data

Unit Size	Duct Size W x H		
	Model AT35SXC	Model AT35SEXC	Model AT35SWXC
	35SXC	35SEXC	35SWXC
1	12 x 12 (305 x 305)	10 1/4 x 10 1/2 (260 x 267)	16 x 12 1/8 (406 x 308)
3	12 x 12 (305 x 305)	12 1/4 x 10 3/4 (311 x 273)	16 x 14 7/8 (406 x 378)
5	16 x 18 (406 x 457)	16 1/4 x 15 3/4 (413 x 400)	24 x 14 7/8 (610 x 378)

DESCRIPTION:

- 22 ga. (0.86) galvanized steel construction.
Mechanically sealed, low leakage construction.
- Attenuators are 36" (914) in length.
- Standard liner is dual density fiberglass insulation, treated to prevent erosion. Exposed edges are sealed. Insulation meets requirements of NFPA90A and UL 181. Insulation thickness: 3/4" (19).
- Discharge attenuators are shipped loose for field attachment.

CONNECTIONS:

Upstream terminal connection has a 1" (25) flange.
Downstream has a slip and drive connection.

OPTIONS:

- ☐ Fiber-free liner
- ☐ Steri-liner
- ☐ Steri-liner with perforated metal
- ☐ Perforated metal liner
- ☐ 1" (25) D. D. fiberglass liner

SCHEDULE TYPE:
PROJECT:
ENGINEER:
CONTRACTOR:

Dimensions are in inches (mm)

DATE
B SERIES
SUPERSEDES
DRAWING NO.
4 - 9 - 24
3500
3 - 26 - 24
35SXC-DATT

Description:

- 22 ga. (0.86) galvanized steel construction.
- Mechanically sealed, low leakage construction.
- Attenuators are 36" (914) in length and lined with 1/2" (13) dual density fiberglass insulation, treated to prevent air erosion. Exposed edges are sealed. Insulation meets requirements of NFPA 90A and UL 181.
- Attenuators are shipped loose for field attachment.

CONNECTIONS:
Discharge Attenuators:

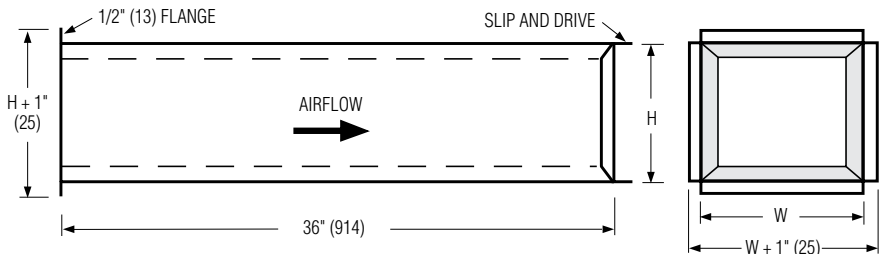
- Upstream terminal connection has a 1/2" (13) flange. Downstream has a slip and drive connection.

Induced Air Attenuators:

- Terminal connection has a 1/2" (13) flange or mounting angles where required.

Options:

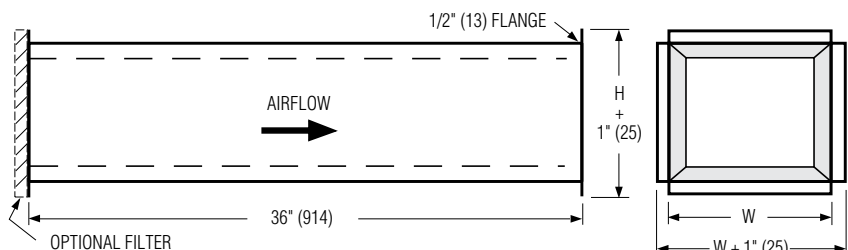
- ☐ **FG5** Steri-Liner
1/2" (13) x 4.1 lb./cu. ft. density fiberglass with FSK aluminum facing.
- ☐ **FG25** Fiber Free Liner
1/2" (13) x 1 1/2 lb./cu. ft. density elastomeric foam.
- ☐ **FGJ5** Steri-Liner with Perf.
1/2" (13) thick fiberglass insulation.
- ☐ **FJ5** Perf. Metal Liner/ F. Glass
1/2" (13) thick fiberglass insulation).

☐ **AT Discharge Attenuator Section**

Dimensional Data

Unit Size	Duct Size W x H		
	Model AT37N	Model AT37NE	Model AT37NW
	37N	37NE	37NW
2	10 x 8 (254 x 203)	10 x 8 (254 x 203)	10 x 8 (254 x 203)
3	16 x 8 (406 x 203)	16 x 8 (406 x 203)	16 x 8 (406 x 203)
4	19 x 11 (483 x 279)	19 x 10 1/2 (483 x 267)	19 x 11 (483 x 279)

☐ **IAT Induced Air Attenuator Section/"Q" option**

(option code FQ with terminal unit)


Dimensional Data

Unit Size	Duct Size W x H		
	Model IAT37N	Model IAT37NE	Model IAT37NW
	37N	37NE	37NW
2	12 x 10 (305 x 254)	12 x 10 (305 x 254)	12 x 10 (305 x 254)
3	16 x 10 (406 x 254)	16 x 10 (406 x 254)	16 x 10 (406 x 254)
4	19 x 10 (483 x 254)	19 x 10 (483 x 254)	19 x 10 (483 x 254)

SCHEDULE TYPE:
PROJECT:
ENGINEER:
CONTRACTOR:

Dimensions are in inches (mm)

DATE
B SERIES
SUPERSEDES
DRAWING NO.

4 - 3 - 25

3700

8 - 13 - 12

37N-ATT



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/m ³) skin, 1.5 lb/cu.ft. (24 kg/m ³) core
Thermal Conductance:	1/2" (13) - 0.52 BTU / hr-ft ² -°F @ 75°F (2.95 W / m ² -°C @ 24°C), 3/4" (19) - 0.36 BTU / hr-ft ² -°F @ 75°F (2.04 W / m ² -°C @ 24°C), 1" (25) - 0.26 BTU / hr-ft ² -°F @ 75°F (1.47 W / m ² -°C @ 24°C)
Thermal Resistance: (Effective R-Value)	1/2" (13) - 1.9 hr-ft ² -°F / BTU (0.34 m ² -°C / W), 3/4" (19) - 2.8 hr-ft ² -°F / BTU (0.49 m ² -°C / W), 1" (25) - 3.8 hr-ft ² -°F / BTU (0.68 m ² -°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