



TERMINAL UNITS LINER OPTIONS SOUND POWER LEVEL CORRECTION FACTORS TYPE: STERI-LINER

INSULATION CHARACTERISTICS

Material: Rigid board form fiberglass with a thermosetting resin. Fire resistant reinforced aluminum foil-scrim-kraft (FSK) facing.

Available Thicknesses: 1/2" (13), 13/16" (21), 1" (25) (Consult individual model submittal for thickness used).

Density: 4.1 lb/cu.ft. (66 kg/m³).

Thermal Conductivity: 0.23 BTU-in / hr-ft²-°F @ 75°F (0.033 W / m-°K @ 24°C).

(K-Factor)

Thermal Resistance: 1/2" (13) - 2.2 hr-ft²-°F / BTU (0.48 m²-°C / W).

(R-Value) 13/16" (21) - 3.5 hr-ft²-°F / BTU (0.76 m²-°C / W).

1" (25) - 4.3 hr-ft²-°F / BTU (0.96 m²-°C / W).

Flame Spread Index: 25

Smoke Developed Index: 50

Mold Growth: None

STANDARD AND CODE COMPLIANCE

- UL 181 Class I
- ASTM E84, UL 723 Flame/Smoke (25/50) and CAN/ULC S102 (25/50)
- NFPA 90A and 90B
- ASTM C 1071 Air Velocity (2000 fpm max.)
- ASTM C 665
- ASTM C 1338, G21 and G22 Fungi and Bacteria Resistance

ACOUSTICAL PERFORMANCE

Correction factors to cataloged sound power level data (standard liner) are shown below.

Single Duct Terminal Units • 3000 Series Basic Unit • All sizes.

Octave Band	2	3	4	5	6	7	NC Impact
Center Frequency (Hz)	125	250	500	1000	2000	4000	(Average)
Discharge Sound	0	0	0	0	0	0	0
Radiated Sound	-1	-2	-2	-3	-3	-3	-2

Single Duct Terminal Units with Integral Attenuator • 3000 Series • All Sizes.

Octave Band	2	3	4	5	6	7	NC Impact
Center Frequency (Hz)	125	250	500	1000	2000	4000	(Average)
Discharge Sound	+1	+1	+3	+4	+7	+8	+3
Radiated Sound	-1	-2	-2	-3	-3	-3	-2

Fan Powered Terminal Units • 33SZ, 35N, 35S, 37N and 37S Series • All sizes.

Octave Band	2	3	4	5	6	7	NC Impact
Center Frequency (Hz)	125	250	500	1000	2000	4000	(Average)
Discharge Sound	0	0	0	0	0	0	0
Radiated Sound	+2	+3	+6	+11	+10	+3	+3

Fan Powered Terminal Units • 35SST and 37SST "Stealth" Series • All sizes.

Octave Band	2	3	4	5	6	7	NC Impact
Center Frequency (Hz)	125	250	500	1000	2000	4000	(Average)
Discharge Sound	0	0	0	0	0	0	0
Radiated Sound	-5	-4	-4	0	+3	+5	-4

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Dimensions are in inches (mm)

DATE

B SERIES

SUPERSEDES

DRAWING NO.

5 - 15 - 25

VAV.ACC.

5 - 17 - 22

VAV-SL