



**VAV 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.

Thickness: 13/16" (21). (37N, 37S, 37SST and 33SZ Size 30 Low Profile Fan Powered Terminal Units use 1/2" (13) material).

Density: 4.1 lb/cu.ft. (66 kg/m<sup>3</sup>).

Thermal Conductivity: 0.23 BTU-in / hr-ft<sup>2</sup>-°F @ 75°F (0.033 W / m-°K @ 24°C).  
(K-Factor)

Thermal Resistance: 3.5 hr-ft<sup>2</sup>-°F / BTU (0.76 m<sup>2</sup>-°C / W).  
(R-Value)

Flame Spread: 25

Smoke Density: 50

Mold Growth: None

**STANDARD AND CODE COMPLIANCE**

- UL 181 Class I
- ASTM E84 and UL 723 Flame/Smoke (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

<b>SCHEDULE TYPE:</b>	Dimensions are in inches (mm)			
<b>PROJECT:</b>				
<b>ENGINEER:</b>	<b>DATE</b>	<b>B SERIES</b>	<b>SUPERSEDES</b>	<b>DRAWING NO.</b>
<b>CONTRACTOR:</b>	4 - 17 - 20	VAV.ACC.	8 - 19 - 16	VAV - SL