

CROSS-TALK Silencer MODEL KTS



CONSTRUCTION

Constructed from 20 GA galvanized frame. Overall casing covered with fiber clean liner 1" (25mm) thick that complies with UL181, ASTM E84 & BS476. Protected by 22 GA perforated metal sheet.

DESIGN FLEXIBILITY

KTS Cross-Talk Silencers are available in three different shapes, each ideal for a different application:

L-shape silencers are designed to reduce unwanted noise entering or leaving a space from a common plenum, shaft, or corridor.

Z-shape silencers are designed to minimize sound transmission through a wall or ceiling.

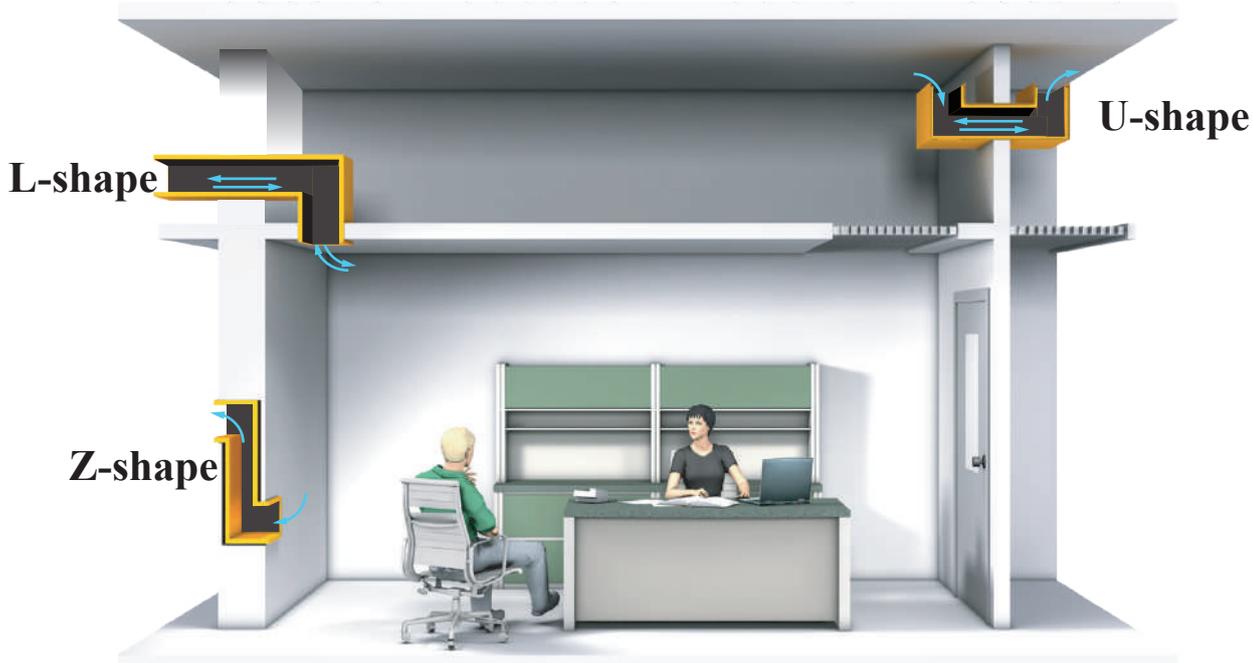
U-shape silencers are designed to prevent noise transfer between rooms or maintain STC performance.

APPLICATION

Cross-Talk Silencers are designed to maintain sound transmission ratings in low velocity (below 750 fpm) applications where air is transferred between adjoining spaces. The acoustic media provides excellent attenuation of speech and unwanted noise while permitting fresh air to circulate continuously. Available for a variety of applications including walls, ceilings, and doors.

INSTALLATION

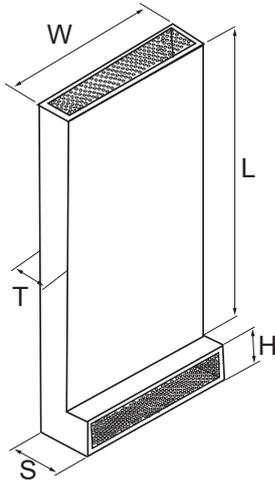
Special care should be taken when installing KTS series Cross-Talk units to ensure maximum performance. Consideration must be given to the sound rating of the wall or ceiling being penetrated. It is essential that a tight airseal is achieved between the Cross-Talk unit and the wall/ceiling penetration.



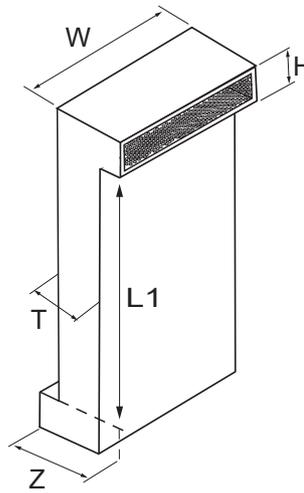
CROSS-TALK Silencer

MODEL KTS

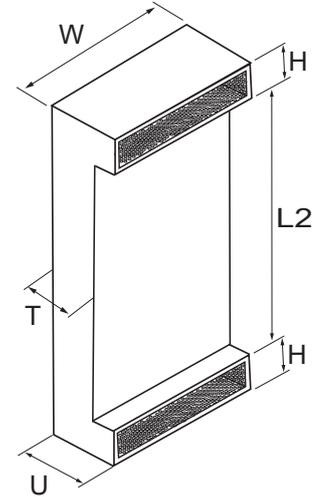
Models & Dimensions



MODEL KTS-L



MODEL KTS-Z



MODEL KTS-U

Width Range	H Height	T	L Length	S	L1 Length	Z	L2 Length	U
mm	mm	mm	mm	mm	mm	mm	mm	mm
300<W<900	150	88	950	168	800	248	800	168
	200	130	950	210	800	290	800	210
	250	175	950	255	800	335	800	255
	300	230	950	310	800	390	800	310

OPTIONS

- 1- Sizes outside the standard range.
- 2- 16 GA frame thickness.
- 3- Stainless Steel construction 304 or 316.
- 4- Aluminum construction.
- 5- Different type of infill available upon request.
- 6- Standard galvanized duct-mate flange 1-3/8" (35 mm) with finished corners for galvanized construction.
- 7- Standard Stainless Steel normal duct flange 1-3/8" (35 mm) with finished corners for stainless construction.
- 8- Standard Aluminum normal duct flange 1-3/8" (35 mm) with finished corners for aluminum construction. Thickness of flange is minimum 1.5 mm.
- 9- Aluminum fixed blades grille on inlet or outlet or both sides.



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Acoustic Performance

Octave Band	Frequency (Hz)								STC (Sound Transmission Class)
	63	125	250	500	1000	2000	4000	8000	
Transmission Loss dB H=150 (6")	5	9	10	20	35	42	45	45	23
Transmission Loss dB H=200 (8")	5	6	6	15	29	35	43	36	18
Transmission Loss dB H=250 & 300 (10" & 12")	5	3	3	14	30	42	33	28	17

Transmission Loss - TL

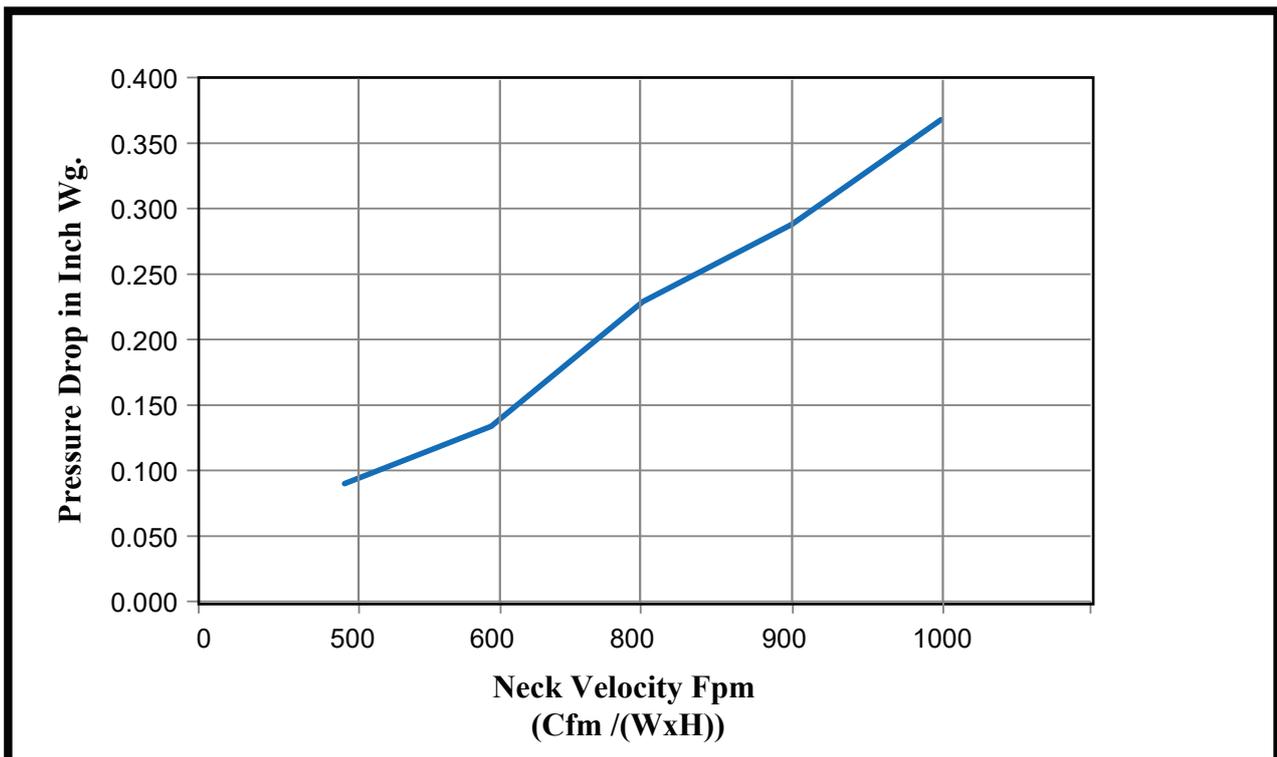
Transmission loss (TL) is a measurement of the reduction of sound power transmission (dB) through an assembly at a given frequency. TL is tested in accordance with ASTM E90-23 in Intertek Lab -USA under report number 105784964CRT-001.

Sound Transmission Class - STC

The Sound Transmission Class (STC) is a rating of the effectiveness of an assembly in isolating or reducing airborne sound transmission. STC is a single number that summarizes airborne sound transmission loss data. Assemblies with higher STC ratings are more efficient at reducing sound transmission. STC is determined in accordance with ASTM E413-22 in Intertek Lab -USA under report number 105784964CRT-001.

NOTE: Transmission Loss values and STC is calculated based on the cross sectional area of the sample, the STC of a wall assembly including this product will need to be calculated using the area of the sample and the area of the wall.

Air Performance



ORDERING INFORMATION



↑
KTS-U
KTS-L
KTS-Z

↑
--: Standard
F : with 35 mm Duct Mate for Galvanized flange OR 35 mm normal Duct flange for other constructions

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--: 20 GA Galvanized steel (STD)
16: 16 GA Galvanized steel
SC10: 1 mm Stainless Steel 304
SC15: 1.5 mm Stainless Steel 304
16SC10: 1 mm Stainless Steel 316
16SC15: 1.5 mm Stainless Steel 316
AL10: 1 mm Aluminum
AL15: 1.5 mm Aluminum

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Please check sizes on page 2.