

KRH

Return Hood/Canopy



INTRODUCTION

Krueger's KRH return hood (or air canopy) provides a lightweight, easy to install, economical solution to promote quiet environments and speech privacy.

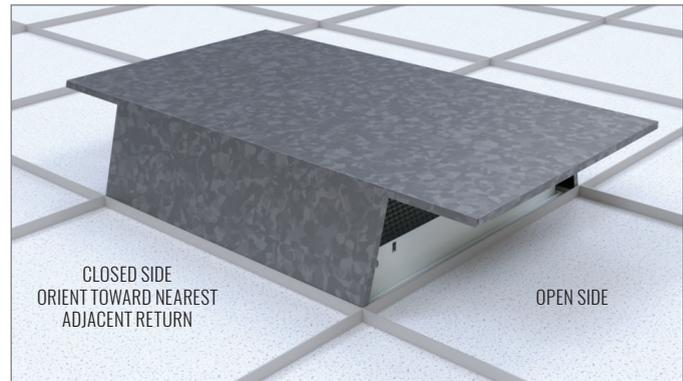
Placed directly above a return grille, the KRH creates a shield-like structure or barrier against plenum sound waves that might originate from nearby occupant spaces or mechanical equipment. As sound waves encounter the KRH insulated surfaces, they are significantly dampened, thereby reducing the noise or sound that may be transferred through a given return grille and heard from within the occupant space.

MODEL

KRH - Insulated Return Hood/Canopy

MODEL

- Construction: 20 gauge galvanized steel panel
- Panel Sizes: 12"x12", 24"x12", 24"x24", 48"x24"
- Liner: 1/4" thick fiberglass liner
- Designed for ceiling plenum return air applications
- Reduces cross-talk noise between returns in a common plenum space
- Finish is Mill

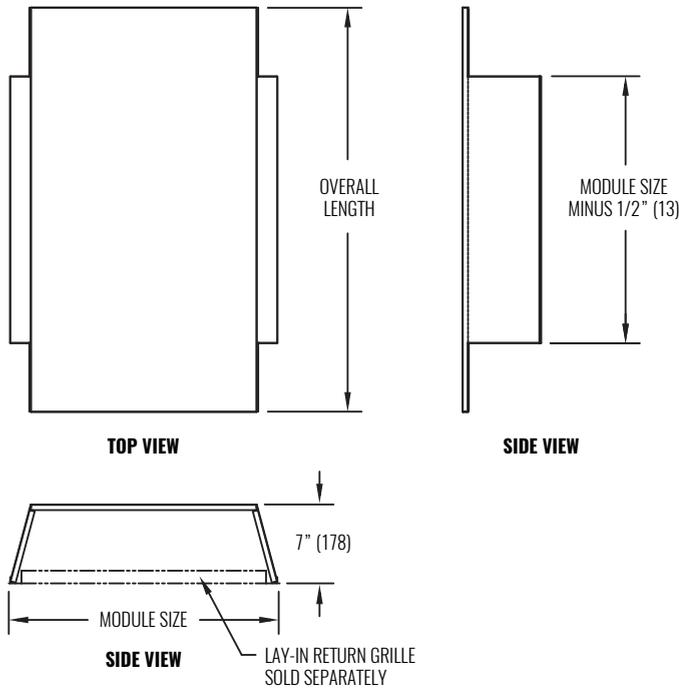


KRH Installed Plenum View



Illustration of return hood application.

DIMENSIONAL DATA



TYP NOMINAL MODULE SIZE	OVERALL LENGTH
12" x 12"	23 1/2"
24" x 12"	35 1/2"
24" x 24"	35 1/2"
48" x 24"	59 1/2"

PERFORMANCE DATA

RECOMMENDED AIR VELOCITY RANGE
0 - 500 FPM

NOISE REDUCTION								
OCTAVE BAND CENTER FREQUENCIES (Hz)	63	125	250	500	1K	2K	4K	8K
REDUCTION (dB)	8	9	11	13	20	21	23	24

PRESSURE DROP					
FACE VELOCITY (FPM)	100	200	300	400	500
in w.g.	0.01	0.03	0.08	0.14	0.22

NOTES: Noise reduction is derived from modified testing in accordance with ASTM E477-13 with the specimen located at the opening to the reverberation chamber. Velocity based on cross-sectional grille area (W x H). Performance data based on a 24"x24" unit.

PRODUCT CONFIGURATION

- SERIES: (XXX)**
KRH - Insulated Return Hood/Canopy
- PANEL SIZE: (XXxXX)**
12"x12"
24"x12"
24"x24"
48"x24"
- FINISH: (XX)**
01 - Mill
- INSULATION: (X)**
F - 1/4" Fiberglass
- ACCESSORY: (X)**
0 - None

SAMPLE CONFIGURATION: KRH - 24x24 - 01 - F - 0