

SHR, 5SHR Suggested Specification & Configuration
1. SERIES: (XXXXX)

- SHR - Round Neck with Core Deflectors, Steel Ceiling Diffuser
- 5SHR - Round Neck with Core Deflectors, Aluminum Ceiling Diffuser

2. PATTERN: (XX)

- 01 - 1-Way
- 02 - 2-Way
- 03 - 3-Way
- 04 - 4-Way

3. ROUND NECK: (XX)

- 6" - 16" in 2" Increments

4. SQUARE NECK: (XX)

- If Round Neck =
- 6 - Select 6", 9", 12", 15", or 18"
- 8 - Select 9", 12", 15", or 18"
- 10 - Select 12", 15", or 18"
- 12 - Select 12", 15", or 18"
- 14 - Select 15" or 18"
- 16 - Select 18"

5. FRAME: (XXX) *

- F21 - Surface Mount, Beveled
- F22 - Surface Mount, Flat
- F23 - Lay-in T-Bar
- F24 - Snap-in T-Bar
- F27 - Spline
- F98 - 5/16" Step Down

6. PANEL: (XX)x(XX) **

- None
- 12"x12"
- 24"x24"

7. DAMPER: (XX)

- 00 - None
- 03 - PR10
- 04 - PRD10
- 06 - PR12
- 08 - PRN100

8. ACCESSORIES: (XX)

- 00 - None
- 6 - R6 Insulation

9. FINISH: (XX)

- 01 - Mill
- 10 - Alumican
- 35 - Black
- 44 - British White

* If Frame 23, 24, 27, or 98 are specified, specify panel size.

** Reference page B1-80 for panel and neck size availability. Specify Panel 'None' if Frame 21 or 22 has been selected.

SHR, 5SHR

The ceiling diffuser shall be Krueger model SHR (steel) or 5SHR (aluminum) louver face for non-adjustable, horizontal discharge airflow. These diffusers shall have a round neck of the sizes and frame styles shown on the drawings or job schedule. The diffuser shall have an easily removable core with fixed blades in 1, 2, 3, or 4-way configurations. Induction directional vanes shall be attached to the core louver blades. These directional vanes shall be at 45° deflection in opposite directions to the next corresponding core louver blade, resulting in turbulent discharge airflow, causing high induction rates in the horizontal plane.

PERFORMANCE

The manufacturer shall provide published (printed or electronic) performance data for the diffuser. Performance data shall include 2 - 7 octave band sound power levels. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

FINISH

The paint finish shall be #44 British White and be an anodic acrylic paint, baked at 315°F for 30 minutes. The paint thickness shall be 0.8 – 1.0 mils, gloss at 60° per ASTM D523-89 of 50 – 85%, pencil hardness per ASTM D3363-92A of HB – H, crosshatch adhesion per ASTM D3359-83 of 4B – 5B, impact per ASTM D2794-93 of direct impact >100 in/lb and reverse impact >80 in/lb, salt spray per ASTM B117-9048 of 96 hours, humidity per ASTM D2247-92 of >500 hours and water soak per ASTM D870-92 of 250 hours.