

SHRPLQ Suggested Specification & Configuration

SHRPLQ

The ceiling diffuser shall be Krueger model SHRPLQ (steel) louver plaque face for non-adjustable horizontal discharge airflow. These diffusers shall have a round neck of the sizes and frame style shown on the drawings or job schedule. The backpan shall be constructed with a round neck to accommodate 6" to 14" nominal round duct connections. The SHRPLQ diffuser shall be constructed of 18 gage steel plaque face and 22 gage steel louvered blades and backpan. The diffuser shall have an easily removable core consisting of one, two or three fixed continuous slots with a center plaque face.

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.

- 1. SERIES: (XXXXXX)**
SHRPLQ – Plaque Face Diffuser with Slots
- 2. NUMBER OF SLOTS: (X)**
1, 2, or 3
- 3. ROUND INLET: (XX) ***
6" – 14" in 2" Increments
- 4. FRAME STYLE: (XXX)**
F23 - Lay-in T-Bar
F98 - 5/16" Step Down
- 5. PANEL: (XX)x(XX)**
24"x24"
- 6. DAMPER: (XX)**
00 - None
03 - PR10
04 - PRD10
06 - PR12
08 - PRN100
- 7. ACCESSORIES: (XX)**
00 - None
R - Round Straightening Grid
- 8. FINISH: (XX)**
01 - Mill
10 - Alumican
35 - Black
44 - British White

* For inlet size limits, see chart on page B1-113.

LOUVERED FACE DIFFUSERS

S
H
R
P
L
Q

SAMPLE CONFIGURATION: SHRPLQ – 2 – 08 – F23 – 24x24 – 08 – 00 – 44