6500 / 56500

Perforated Face Diffuser, Curved Blade Deflectors

MODELS

- 6500 - Steel, perforated ceiling diffuser with round inlet
- 56500 - Aluminum, perforated ceiling diffuser with round inlet (steel backpan)

FEATURES

- Individually adjustable curved blade pattern deflectors for horizontal to vertical throw
- Variety of air discharge patterns available
- Removable perforated face and core for easy cleaning

INLET SIZES

- Round: 6” - 16” (2” increments)

FRAME STYLES

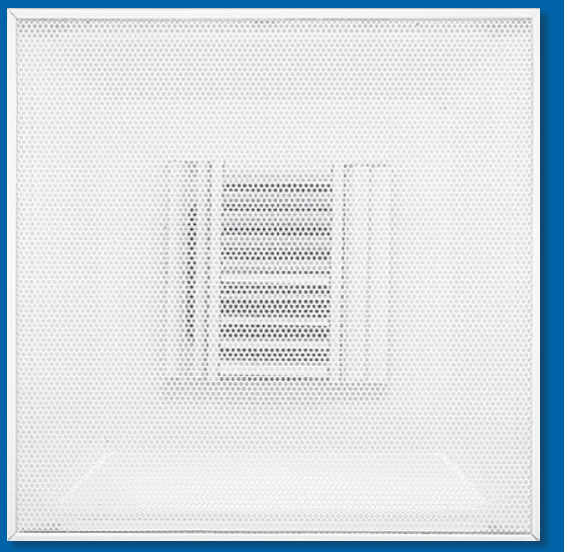
- F20 - Surface mount
- F23 - Lay-in T-bar
- F27 - Spline
- F30 - Drop face
- F98 - Narrow-T

PANEL SIZES

- 12”x12”
- 16”x16”
- 20”x20”
- 24”x12”
- 24”x24”
- 48”x24”

COMPATIBLE OPTIONS AND ACCESSORIES

- PR10 - Steel, radial opposed blade damper
- PRN100 - Steel, radial fan damper
- RP12 - Steel, butterfly bladed damper
- PRD10 - Steel, radial opposed blade damper (duct mount)
- PRD100 - Steel, radial fan damper (duct mount)
- PR12 - Steel, butterfly bladed damper (duct mount)
- RSG15 - Steel, round straightening grid (duct mount)
- PRSG15 - Steel, round straightening grid
- OBDDM - Steel, square or rectangular damper (duct mount)
- EX8 - Steel duct extractor with 1" blade spacing (duct mount)
- EX88 - Steel duct extractor with 2" blade spacing (duct mount)
- HCF23 - Steel, hard ceiling frame (F23 only)
- 5HCF23 - Aluminum, hard ceiling frame (F23 only)



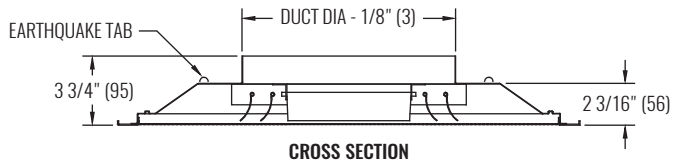
WEB SEARCH: 6500 or 56500

6500 / 56500

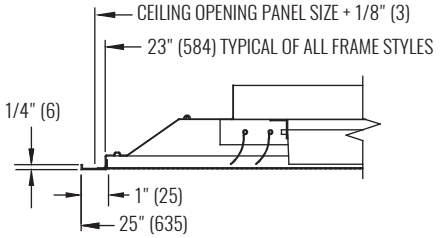
Perforated Face Diffuser, Curved Blade Deflectors

KRUEGER

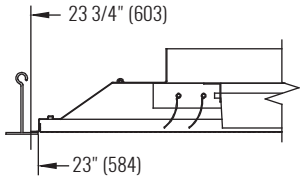
DIMENSIONAL DATA



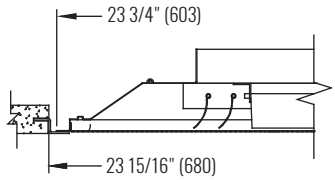
CROSS SECTION



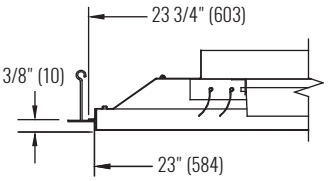
FRAME 20, SURFACE MOUNT



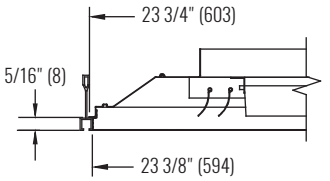
FRAME 23, LAY-IN T-BAR



F27, SPLINE



F30, DROP FACE



F98, NARROW-T

NOTES: Dimensions in parentheses are millimeters (mm). Illustrations shown are for 24”x24” panel size.
A 12"x12" panel is only available with a 6" inlet size.
A 16"x16" panel is only available with 10" and smaller inlet sizes.
A 20"x20" panel is only available with 12" and smaller inlet sizes.
A 24"x12" panel is only available with a 6" inlet size.

PERFORMANCE AND DESIGN DATA

SIZE		PERFORMANCE - HORIZONTAL THROW				DESIGN		
PANEL	NOMINAL INLET	NC (< 25)		NC (25 - 40)		CFM @ NC=30	SPACING @ 0.6 CFM/sf (ft)	MINIMUM CFM/sf
		CFM	THROW (ft)	CFM	THROW (ft)			
12"x12"	6"	59 - 157	6 - 12	176 - 255	13 - 15	200	18	0.30
16"x16"	8"	70 - 200	5 - 13	209 - 314	13 - 16	250	20	0.30
24"x24"	8"	105 - 244	12 - 18	279 - 450	19 - 24	320	23	0.30
	10"	164 - 340	14 - 21	370 - 600	22 - 28	440	27	0.30
	12"	235 - 320	17 - 23	471 - 785	24 - 32	550	30	0.30
	14"	214 - 550	15 - 26	590 - 961	27 - 35	700	34	0.30
	16"	279 - 670	17 - 29	698 - 1186	30 - 39	840	37	0.30

NOTES: Information shown is abbreviated. See website for complete information. Dimensions in parentheses are millimeters (mm). Throw value ranges are given for isothermal conditions, unless otherwise noted, and a terminal velocity of 50 FPM (0.25 m/s). NC ranges are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10^{-12} Watts. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Design spacing is recommended distance between diffusers in an open plan office based on ADPI > 80%, 9ft ceiling, and 55°F discharge at 30 NC and 0.6 CFM/sf. Minimum CFM/sf is based on recommended spacing at 80% ADPI. Design recommendations not applicable to vertical throw. “N/A” in design table denotes situations which do not result in ADPI>80% and are therefore not recommended.