

## MODELS

- 6100 - Steel, perforated face ceiling diffuser with round inlet
- 56100 - Aluminum, perforated face ceiling diffuser with round inlet (steel backpan)

## FEATURES

- Unique self-centering stamped core; rotates 45° for easy adjustment from standard to corner discharge air patterns
- Circle-in-square design enhances decor and blends with most ceiling tiles
- Removable perforated face and core for ease of cleaning
- Individually adjustable blades to maintain optimal performance positions

## INLET SIZES

- Round: 6" - 14" (2" increments), 15"

## FRAME STYLES

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

## PANEL SIZES

- 24"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)

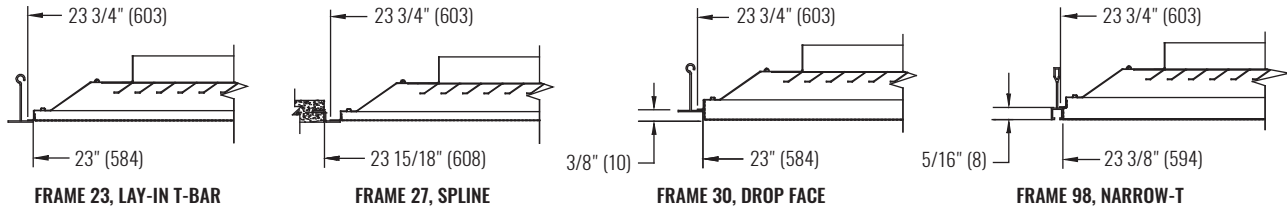
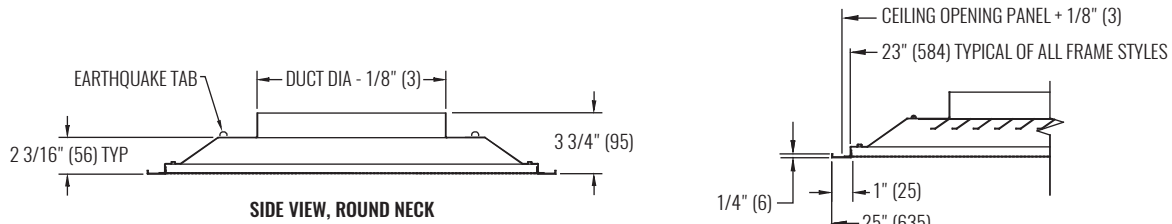


# 6100 / 56100

Perforated Face Diffuser, Stamped Core



## DIMENSIONAL DATA



NOTES: Dimensions in parentheses are millimeters (mm). Illustrations shown are for 24"x24" panel 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)			
24"x24"	6"	39 - 118	2 - 7	124 - 177	8 - 10	140	15	0.50
	8"	70 - 180	3 - 10	190 - 279	10 - 12	210	19	0.53
	10"	109 - 250	4 - 10	273 - 382	10 - 14	300	22	0.54
	12"	157 - 330	5 - 10	345 - 510	11 - 16	400	26	0.55
	14"	214 - 416	7 - 13	427 - 641	13 - 18	500	29	0.55
	15"	245 - 460	7 - 13	491 - 705	14 - 19	550	30	0.57

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<sup>-12</sup> 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.