

MODEL

- KSD - Aluminum, architectural swirl ceiling diffuser

FEATURES

- High capacity airflow
- Promotes room air mixing
- Aesthetically pleasing appearance

INLET SIZES

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

FRAME STYLES

- F23 - Lay-in T-bar

PANEL SIZE

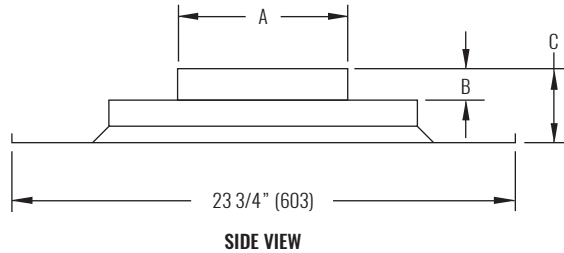
- 24"x24"

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)



DIMENSIONAL DATA



NOTES: Dimensions in parentheses are millimeters (mm). See table below for dimensional references.

PERFORMANCE, DESIGN, AND DIMENSIONAL DATA

SIZE		PERFORMANCE - HORIZONTAL THROW				DESIGN			DIMENSIONS		
PANEL	NOMINAL INLET	NC (< 25)		NC (25 - 40)		CFM @ NC=30	SPACING @ 0.6 CFM/sf (ft)	MINIMUM CFM/sf	A	B	C
		CFM	THROW (ft)	CFM	THROW (ft)						
24"x24"	6"	98 - 215	5 - 8	236 - 360	8 - 10	250	20	0.30	5 7/8" (149)	1 1/2" (38)	3 1/2" (89)
	8"	175 - 310	6 - 9	314 - 515	10 - 12	360	24	0.32	7 7/8" (200)	1 1/2" (38)	3 1/2" (89)
	10"	218 - 400	6 - 11	430 - 654	11 - 14	490	29	0.34	9 7/8" (251)	1 1/2" (38)	3 1/2" (89)
	12"	236 - 490	5 - 12	550 - 864	13 - 16	600	32	0.37	11 7/8" (302)	1 1/4" (32)	3 1/4" (83)
	14"	321 - 605	6 - 12	641 - 962	13 - 17	750	35	0.40	13 7/8" (352)	1 1/2" (38)	3 1/2" (89)

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.