

MODEL

- 6300 - Steel, perforated face ceiling diffuser with mounted deflectors and a fiberglass backpan, pre-scored for round spin in duct

FEATURES

- Pre-scored fiberglass backpan for round spin-in collars (6" to 16", provided by others)
- Great choice for ducted return air systems

INLET SIZES

- Round: Pre-scored 6" - 16" (2" increments), field cut

FRAME STYLES

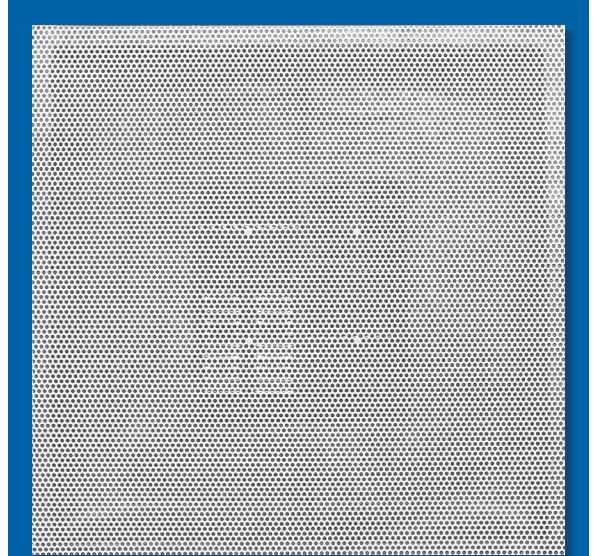
- F23 - Lay-in T-bar

PANEL SIZES

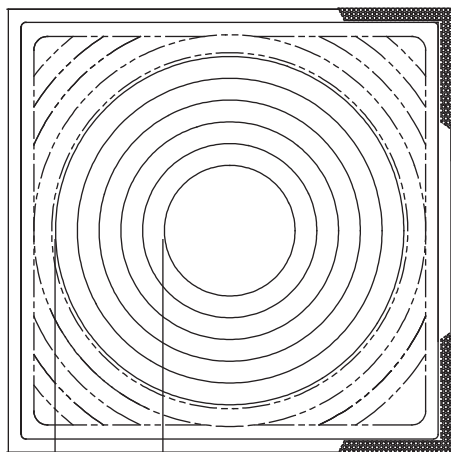
- 24"x24"

COMPATIBLE OPTIONS AND ACCESSORIES

- HCF23 - Steel, hard ceiling frame
- 5HCF23 - Aluminum, hard ceiling frame

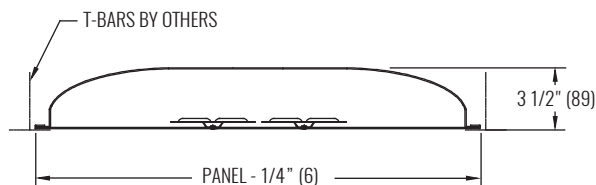


DIMENSIONAL DATA



SCORING OF THE BACKPAN IDENTIFIES ROUND DUCT SIZES FROM 6" (152) TO 16" (406) TO FACILITATE FIELD CUTTING

BACKPAN SCORING DETAIL



FRAME 23, LAY-IN T-BAR

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"	59 - 216	1 - 7	230 - 375	7 - 11	275	21	N/A
	8"	105 - 314	1 - 7	349 - 550	7 - 13	380	25	N/A
	10"	164 - 420	2 - 8	436 - 730	8 - 13	500	29	N/A
	12"	235 - 515	2 - 8	549 - 863	9 - 13	675	34	N/A
	14"	320 - 641	3 - 10	675 - 1068	11 - 16	800	37	N/A
	16"	419 - 770	4 - 10	837 - 1256	11 - 17	900	39	N/A

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.