

MODEL

- DVD - Steel, architectural VAV ceiling diffuser with automatic changeover for heating and cooling

FEATURES

- 1-piece, folded, square plaque face, steel construction
- Plaque face attached to 1-piece, stamped backpan
- Available with digital thermostat as primary unit
- Control up to 20 secondary units with one single primary
- Automatic changeover for both cooling and heating applications
- Easy installation with plug-and-play cabling that requires minimal field programming

INLET SIZES

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

FRAME STYLES

- F23 - Lay-in T-bar
- F98 - Narrow-T¹

PANEL SIZES

- 12"x12"
- 24"x24"

OPTIONS AND ACCESSORIES

- Digital wall mounted thermostat²
- Smart thermostat, BACnet compatible
- Thermostat wall-mounted backing plate
- 40 VA - 120V primary voltage transformer
- 75 VA - 120V/208V/240V primary voltage transformer
- 100 VA - 120V/240V/277V primary voltage transformer
- 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)

NOTES:

- ¹ Available with panel size 24"x24" only.
- ² Primary requires a thermostat.

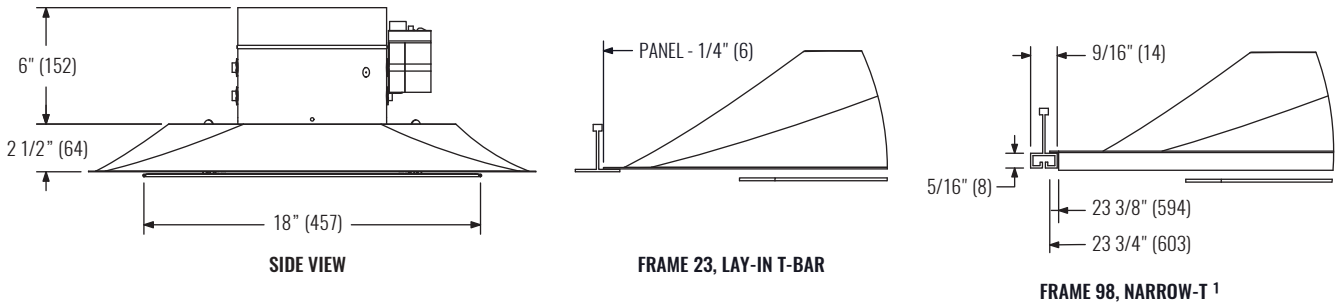


SIDE VIEW

WEB SEARCH: DVD



DIMENSIONAL DATA



NOTES: Dimensions in parentheses are millimeters (mm). Illustrations shown are for 24"x24" panel.

¹ Available in 24"x24" panel only.

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"	79 - 196	4 - 9	210 - 300	9 - 10	240	18	0.22
	8"	140 - 270	6 - 11	297 - 420	12 - 14	350	23	0.25
	10"	218 - 333	8 - 12	382 - 575	13 - 16	425	27	0.26
	12"	314 - 381	11 - 13	415 - 785	14 - 19	505	30	0.27

NOTES: Information shown is abbreviated. See website for complete information. 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.