

## MODEL

- AFS585 - Aluminum fixed airfoil blade return

## FEATURES

- Horizontal (H) or vertical (V) extruded aluminum airfoil blades
- 45° (H/V) or 0° (HZ/VZ) blade deflection
- 1/2" blade spacing
- Extruded aluminum frame

## GRILLE SIZES <sup>1</sup>

- Width: 6" - 240" (1/4" increments)
- Height: 4" - 240" (1/4" increments)

## FRAME STYLES

- F22 - Surface mount
- F23 - Lay-in T-bar <sup>2</sup>
- F98 - Narrow-T <sup>3</sup>
- FTB - Channel frame <sup>4</sup>

## PANEL SIZES

- 24"x12"
- 24"x24"
- 48"x24"

## COMPATIBLE OPTIONS AND ACCESSORIES

- Screw holes, concealed fastening <sup>5</sup>, knurled knob <sup>6</sup>, or 1/4-turn fasteners <sup>6</sup>
- 5FF - Filter frame to fit 1" or 2" filter by others (8"x8" to 48"x36" or 36"x48")
- 8PF - Steel plaster frame (48"x36" or 36"x48" max)
- 58PF - Aluminum plaster frame (48"x36" or 36"x48" max)
- OBD - Steel, square or rectangular damper
- 5OBD - Aluminum, square or rectangular damper
- POBD - Steel, square or rectangular painted damper
- SRAC325 - Steel, square to round adapter
- DS - Debris screen (1/4" mesh) or IS - Insect screen (1/16" mesh)

NOTES: Not all options available with all configurations. Many options not compatible with other options. Size limitations on accessories. See website for complete compatibility.

<sup>1</sup> Max ordered size is 240"x96" or 96"x240". Units over 48"x48" provided in multiple sections.

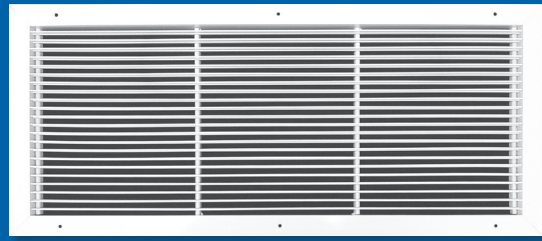
<sup>2</sup> Minimum of 4" difference required between inlet and panel size for F23.

<sup>3</sup> F98 only available with 24"x12" and 24"x24" panels.

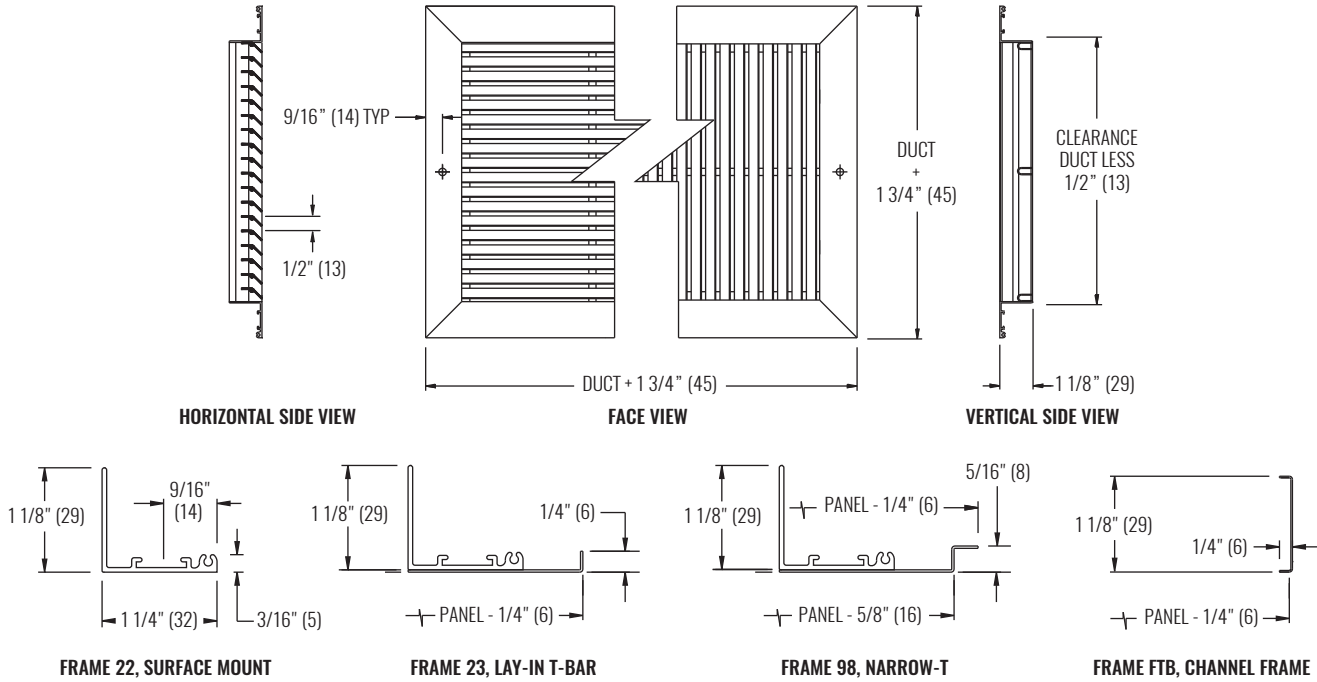
<sup>4</sup> FTB frame available in 6"x6" to 48"x48" only, no panel.

<sup>5</sup> Concealed fastening available in max 36"x36" size. Not available with 45° deflection.

<sup>6</sup> Knurled knob and 1/4 turn fastening methods are only available with filter frame accessory.



## DIMENSIONAL DATA



NOTES: Dimensions in parentheses are millimeters (mm). Illustration (top) shown for 45° deflection.

## PERFORMANCE DATA

SIZE	PERFORMANCE		SIZE	PERFORMANCE	
	NC (< 25)	NC (25 - 40)		NC (< 25)	NC (25 - 40)
NOMINAL	CFM	CFM	NOMINAL	CFM	CFM
<b>0° DEFLECTION</b>			<b>45° DEFLECTION</b>		
6"x6"	50 - 163	191 - 275	6"x6"	25 - 100	119 - 175
8"x6"	75 - 225	263 - 375	8"x6"	25 - 125	150 - 225
8"x7"	75 - 250	294 - 425	8"x7"	25 - 125	181 - 275
8"x8"	75 - 288	341 - 500	8"x8"	25 - 163	197 - 300
10"x6"	100 - 275	319 - 450	10"x6"	25 - 150	181 - 275
10"x10"	125 - 438	516 - 750	10"x10"	50 - 250	300 - 450
12"x6"	100 - 25	381 - 550	12"x6"	25 - 175	213 - 325
12"x12"	175 - 613	722 - 1050	12"x12"	50 - 338	409 - 625
18"x18"	350 - 1263	1491 - 2175	18"x18"	100 - 688	834 - 1275
20"x8"	200 - 675	794 - 1150	20"x8"	50 - 238	284 - 425
22"x10"	250 - 888	1047 - 1525	22"x10"	75 - 488	591 - 900
22"x22"	500 - 1800	2125 - 3100	22"x22"	100 - 950	1163 - 1800

### SEE BACK SUPPLEMENT FOR DESIGN INFO

NOTES: Information shown is abbreviated. See website for complete information. Dimensions in parentheses are millimeters (mm). 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.