

### MODEL

- S80 - Steel, fixed deflection return with 3/4" blade spacing
- S580 - Aluminum, fixed deflection return with 3/4" blade spacing

### FEATURES

- Horizontal or vertical blades
- 35° (H/V) or 0° (HZ/VZ) blade deflection
- 3/4" blade spacing
- 48"x48" maximum single unit size

### 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>

### PANEL SIZES

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

### COMPATIBLE OPTIONS AND ACCESSORIES

- Screw holes, concealed fastening <sup>4</sup>, knurled knob <sup>5</sup>, or 1/4-turn fasteners <sup>5</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) <sup>6</sup>

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> Concealed fastening available in max 36"x36" size.

<sup>5</sup> Knurled knob and 1/4 turn fastening methods are only available with filter frame accessory.

<sup>6</sup> Only available with model S580.



WEB SEARCH: S80 or S580

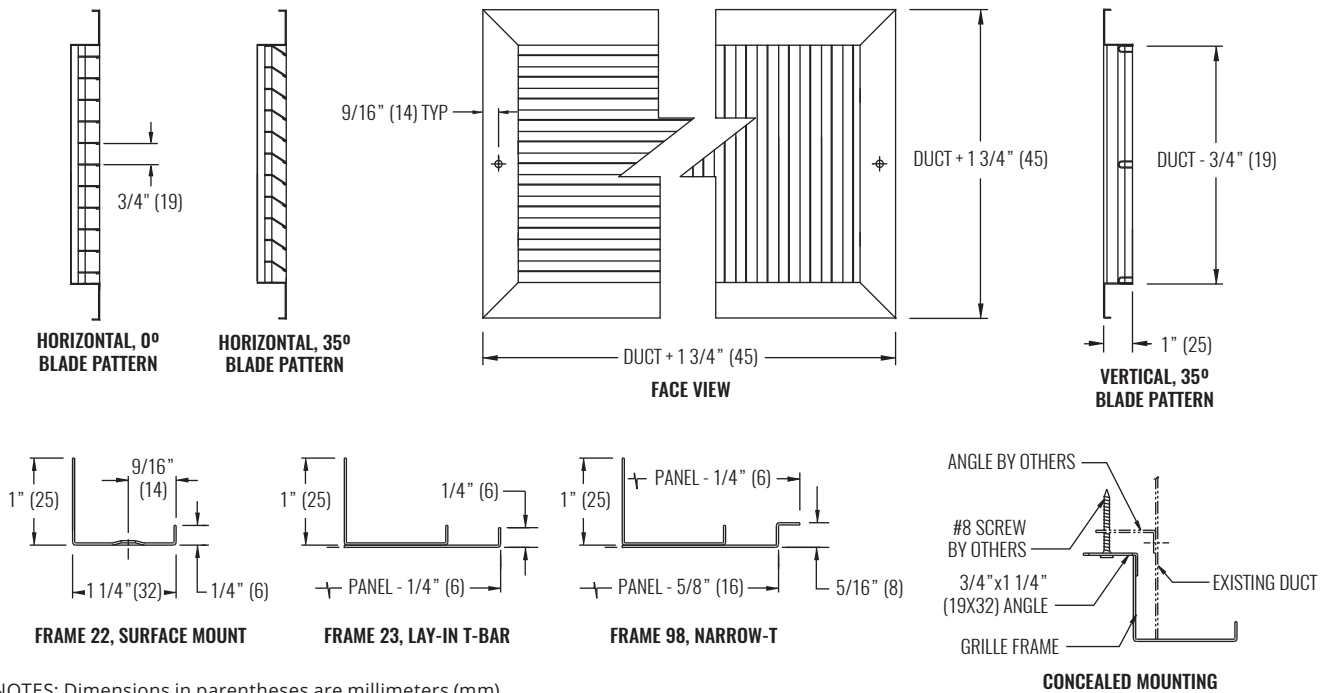


# S80 / S580

Return Grille, Fixed Deflection, 3/4" Blade Spacing



## DIMENSIONAL DATA



NOTES: Dimensions in parentheses are millimeters (mm).

## 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>35° DEFLECTION</b>		
6"x6"	75 - 200	231 - 325	6"x6"	50 - 150	175 - 250
8"x8"	75 - 338	403 - 600	8"x8"	100 - 250	288 - 400
10"x10"	125 - 513	609 - 900	10"x10"	100 - 363	428 - 625
12"x6"	100 - 375	44 - 650	12"x6"	100 - 275	319 - 450
12"x8"	150 - 500	588 - 850	12"x8"	100 - 350	413 - 600
12"x12"	200 - 725	856 - 1250	12"x12"	150 - 500	588 - 850
14"x14"	250 - 950	1125 - 1650	14"x14"	200 - 650	763 - 1100
16"x16"	250 - 1175	1406 - 2100	16"x16"	250 - 813	953 - 1375
20"x20"	500 - 1800	2125 - 3100	20"x20"	400 - 1200	1400 - 2000
22"x10"	300 - 1050	1238 - 1800	22"x10"	225 - 713	834 - 1200
22"x22"	500 - 2100	2500 - 3700	22"x22"	400 - 1375	1619 - 2350
24"x12"	350 - 1325	1569 - 2300	24"x12"	300 - 900	1050 - 1500

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.