

MODEL

- AF80 - Steel frame, single deflection airfoil grille
- AF580 - Aluminum frame, single deflection airfoil grille

FEATURES

- Horizontal (H) or vertical (V) blades
- Individually adjustable blades with 3/4" blade spacing
- Extruded aluminum airfoil blades
- 48"x48" maximum single unit size

GRILLE SIZES ¹

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

FRAME STYLES

- F22 - Surface mount

COMPATIBLE OPTIONS AND ACCESSORIES

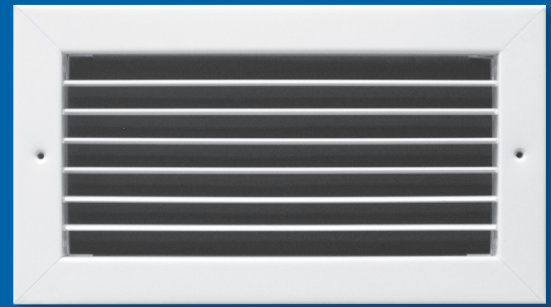
- Screw holes or concealed mounting ²
- 8PF - Steel plaster frame
- 58PF - Aluminum plaster frame
- OBD - Steel, square or rectangular damper
- 5OBD - Aluminum, square or rectangular damper
- DS - Debris screen (1/4" mesh) or IS - Insect screen (1/16" mesh), 48"x48" max size ³
- SSG - Steel, square or rectangular straightening grid
- SRAC325 - Steel, square to round adapter

NOTES: Not all options available with all configurations or one another. See website for complete compatibility.

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

² Concealed mounting not available with plaster frame. Max unit size for concealed mounting is 36"x36".

³ Insect and debris screens not available with dampers.

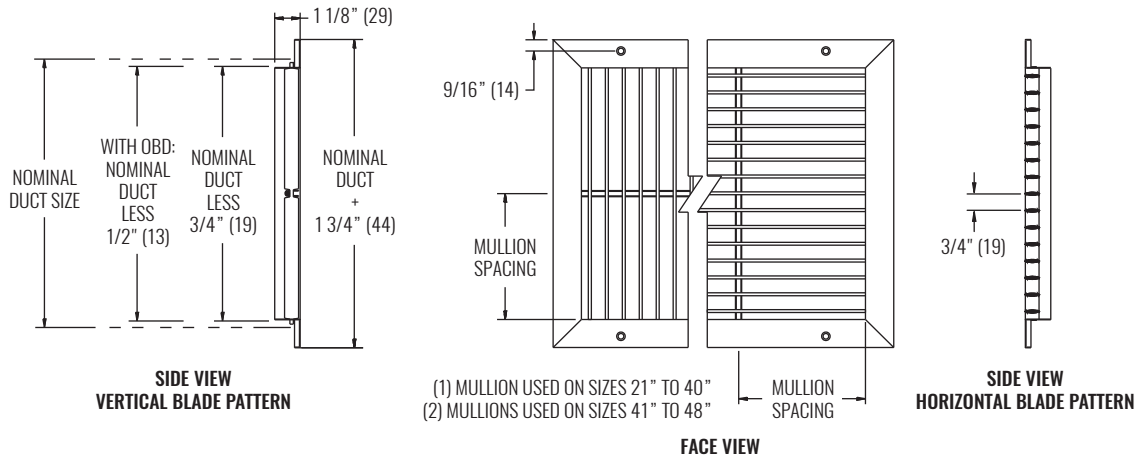
**WEB SEARCH:** AF80 or AF580

AF80 / AF580

Supply Grille, Single Deflection, Airfoil Blade



DIMENSIONAL DATA



NOTES: Dimensions in parentheses are millimeters (mm).

PERFORMANCE DATA

SIZE W x H	PERFORMANCE - HORIZONTAL THROW							
	NC (< 25)				NC (25 - 40)			
	CFM	0° DEFL THROW (ft)	22.5° DEFL THROW (ft)	45° DEFL THROW (ft)	CFM	0° DEFL THROW (ft)	22.5° DEFL THROW (ft)	45° DEFL THROW (ft)
6"x4"	77 - 121	16 - 20	13 - 16	7 - 9	126 - 200	21 - 26	16 - 20	9 - 12
6"x6"	77 - 183	16 - 25	12 - 19	7 - 11	190 - 302	25 - 32	20 - 25	11 - 14
10"x4"	77 - 197	16 - 26	13 - 20	7 - 12	204 - 325	26 - 33	20 - 26	12 - 15
8"x6"	106 - 241	19 - 29	15 - 22	9 - 13	250 - 399	29 - 37	23 - 28	13 - 17
10"x6"	135 - 297	21 - 32	17 - 25	10 - 14	309 - 492	32 - 41	25 - 32	15 - 18
12"x6"	164 - 352	24 - 34	18 - 27	11 - 16	365 - 582	35 - 44	27 - 34	16 - 20
14"x6"	193 - 405	26 - 37	20 - 29	12 - 17	420 - 670	38 - 48	29 - 37	17 - 21
12"x8"	227 - 465	28 - 40	21 - 31	12 - 18	482 - 769	40 - 51	31 - 40	18 - 23
16"x6"	193 - 458	26 - 39	20 - 30	11 - 18	474 - 756	40 - 51	31 - 39	18 - 23
18"x6"	252 - 509	29 - 41	23 - 32	13 - 19	527 - 841	42 - 53	33 - 41	19 - 24
14"x8"	252 - 535	29 - 43	23 - 33	13 - 19	555 - 885	43 - 55	34 - 42	19 - 25
20"x6"	289 - 559	31 - 43	24 - 34	14 - 20	579 - 924	44 - 56	34 - 43	20 - 25

SEE BACK SUPPLEMENT FOR DESIGN INFORMATION

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.