

MODEL EA-800**Sand Resistant Louver • 8" Deep • Chevron Blades • Stationary • Extruded Aluminum**

Page 1

Standard Materials and Construction

FRAME: Head and Sill: .125" thick (nominal) formed aluminum alloy 6063-T52/T6.
Jamb: .081" thick (nominal) extruded aluminum alloy 6063-T52/T6.

Frame is welded construction.

BLADE: .24" thick (nominal) at edges, reducing to .063" thickness (nominal) at midpoint of profile. Blades approximately 1.25" on centers.

MULLION: Exposed, vertical with 1.75" x .08" 6063-T52/T6 extruded aluminum cover (multiple panels only). Exposed, horizontal.

FINISH: Mill

Options

Finish - Baked Enamel, Kynar, Anodize

Screens - 1/2" flattened aluminum (.051" thick),

-or- 1/2" sq. mesh, intermediate double-crimped aluminum wire, .063" dia.,

-or- 1/16" mesh, .011" dia. aluminum wire, insect screen, and a variety of other bird and insect screens.

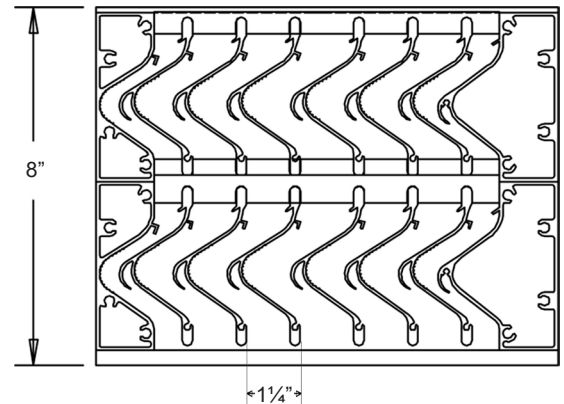
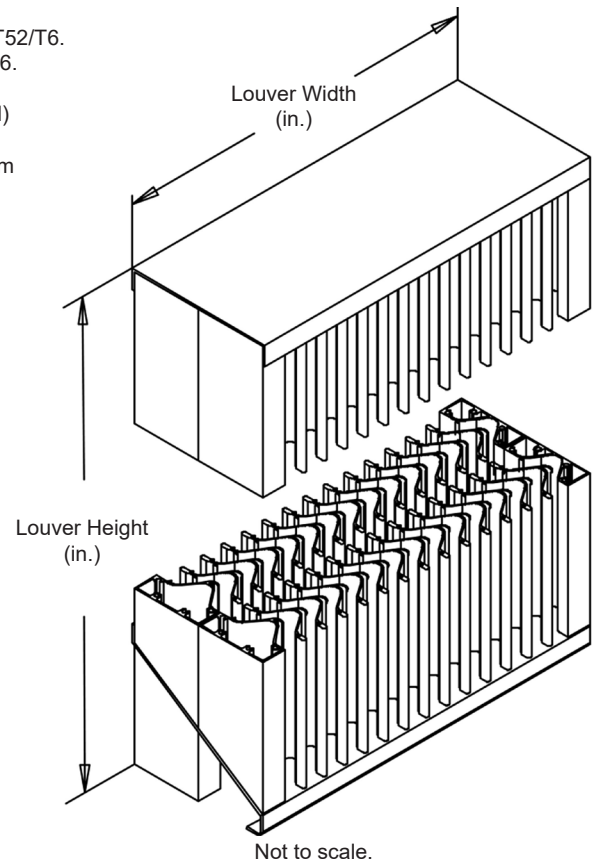
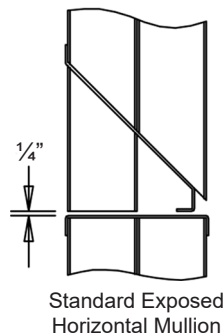
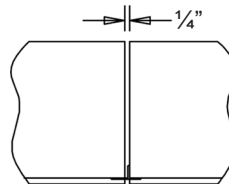
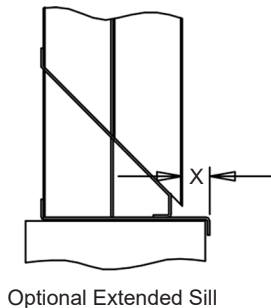
Extended Sill - .063" formed aluminum

Notes

1. 1/2" nominal deduction will be made to the opening size given.
2. Approximate shipping weight is 13 3/4 lbs./sq.ft.

Louver Sizes

Min Panel	Max Single Panel
12"W x 18"H	48"W x 96"H



External Section View

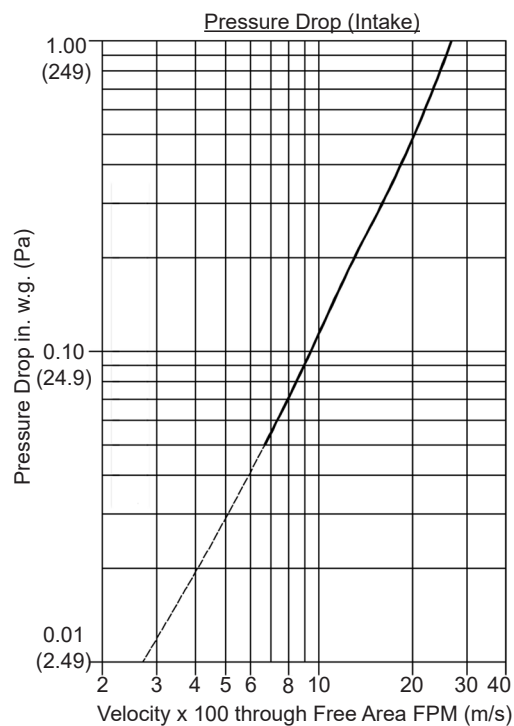
											
Item #	Qty	Width	Height	Width	Height	Mullion	Type	Location			Union Made
		Opening Size		Louver Size			Screens				
Arch. / Eng.:						EDR:		ECN:		Job:	
Contractor:											
Project:						Date:		DWN:		DWG:	

MODEL EA-800**Sand Resistant Louver • 8" Deep • Chevron Blades • Stationary • Extruded Aluminum**

Page 2

Performance Data

Pressure Drop: .65 in. w.g. (161.9 Pa) at 1250 fpm (6.4 m/s) and 9667 scfm (4.6 scm/s)

Free Area: 4.41 sq.ft. (0.410 m²) = 27.56% for 48"W x 48"H (1.2m x 1.2m) sample tested in accordance with AMCA Standard 500-L.

Ratings do not include effects of a screen.
 Test based on 48" x 48" sample size
 per AMCA Standard 500-L, Figure 5.5.

Pressure Drop & Free Area Velocity

Pressure Drop	.10 in. w.g. (24.91 Pa)	.20 in. w.g. (49.82 Pa)	.30 in. w.g. (74.73 Pa)
Free Area Velocity	940 FPM (4.78 m/s)	1300 FPM (6.6 m/s)	1600 FPM (8.13 m/s)

		Free Area sq.ft. (sq. meters)									
		Width in. (mm)									
		12" (305)	24" (610)	36" (914)	48" (1219)	60" (1524)	72" (1829)	84" (2134)	96" (2438)		
Height in. (mm)	18" (457)	0.18 (0.016)	0.41 (0.038)	0.65 (0.060)	0.88 (0.081)	1.12 (0.104)	1.35 (0.125)	1.58 (0.146)	1.82 (0.169)	1 Section	
	24" (610)	0.32 (0.030)	0.73 (0.068)	1.17 (0.109)	1.58 (0.147)	2.02 (0.188)	2.43 (0.226)	2.85 (0.265)	3.28 (0.305)		
	36" (914)	0.60 (0.056)	1.39 (0.129)	2.21 (0.206)	3.00 (0.278)	3.82 (0.355)	4.61 (0.428)	5.39 (0.501)	6.22 (0.578)		
	48" (1219)	0.89 (0.082)	2.04 (0.190)	3.26 (0.303)	4.41 (0.410)	5.63 (0.523)	6.78 (0.630)	7.93 (0.737)	9.15 (0.850)		
	60" (1524)	1.17 (0.109)	2.69 (0.250)	4.30 (0.400)	5.83 (0.541)	7.43 (0.690)	8.96 (0.832)	10.48 (0.973)	12.09 (1.123)		
	72" (1829)	1.46 (0.135)	3.35 (0.311)	5.35 (0.497)	7.24 (0.673)	9.24 (0.858)	10.63 (0.988)	12.52 (1.16)	14.42 (1.34)	2 Sections High	
	84" (2134)	1.74 (0.162)	4.00 (0.372)	6.39 (0.594)	8.65 (0.804)	11.04 (1.03)	12.71 (1.18)	14.97 (1.39)	17.23 (1.60)		
	96" (2438)	2.03 (0.188)	4.66 (0.433)	7.43 (0.691)	10.07 (0.953)	12.48 (1.19)	14.78 (1.37)	17.42 (1.62)	20.05 (1.86)		
		1 Section					2 Sections Wide				