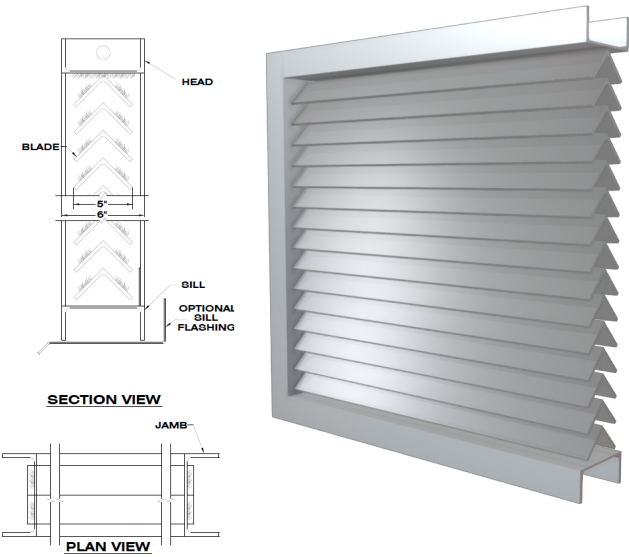


Model EW-5210

5" (127.0 mm) FEMA Extreme Weather Louvre

Material:

Material:	6061-T6 Alloy
Nominal Thickness (heads, sills, jambs, & mullions):	0.170" (4.32 mm)
Nominal Blade Thickness:	0.250" (6.35 mm)
Additional Options (at additional cost):	Birdscreen: 0.5" (12.7 mm) welded stainless steel G304 mesh. Insect screen (in lieu of bird screen), Continuous clip angles for attachment Sheet blank off, Insulated blank off Sill pans, Flange frames, Integrated glazing frames



Test Summary:

For a 4 Foot by 4 Foot Unit (1219mm x 1219mm).

Tested with mill finish and no screen

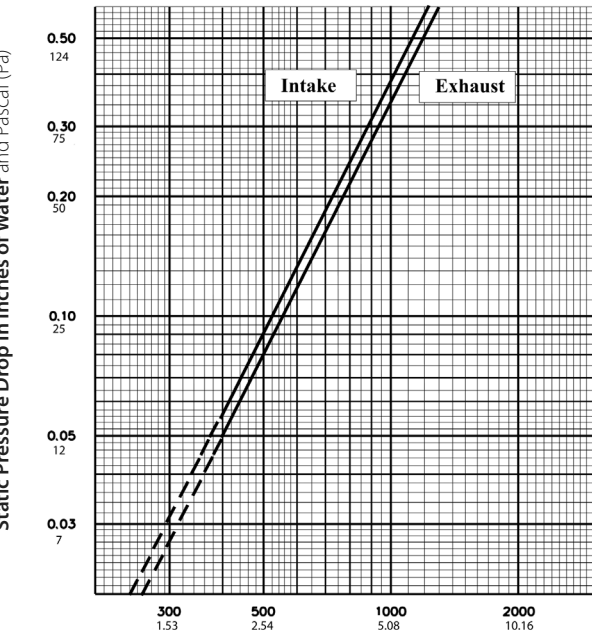
- Free (throat) area = 7.22 ft² (0.67 m²)
- Percent free (throat) area = 45.1%
- Free (throat) area velocity at the point of beginning water penetration (@ 0.01 oz. / ft² of free (throat) area based on a 15 minute interval test) = 525 FPM (2.7 m/s)
- Intake pressure drop at 0.01 oz. / ft² free (throat) area velocity = 0.10 in H₂O (25.3 Pa)

Discharge Coefficient

Intake Cd = 0.23 (Class 3)

AMCA certifies the coefficient class only

Model EW-5210
5" (127.0 mm) FEMA Extreme Weather Louvre



Free Air Velocity in Feet per minute and Metre per Second (m/s)

Data corrected to standard air density.
48" x 48" (121.92cm x 121.92cm) louvre tested to figure 5.5.

Free (throat) area Table (Free (throat) area in **sq. feet** and **sq. metres**)

For additional sizes, please visit:

Width in Inches and Metres													
		18	24	30	36	42	48	54	60	66	72	78	
Height in Inches and Metres		0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52	1.68	1.83	1.98	
	18	0.61	0.89	1.17	1.45	1.73	2.01	2.29	2.57	2.85	3.13	3.41	
	0.46	0.06	0.08	0.11	0.13	0.16	0.19	0.21	0.24	0.26	0.29	0.32	
	24	0.92	1.35	1.77	2.20	2.62	3.05	3.48	3.90	4.33	4.75	5.18	
	0.61	0.09	0.13	0.16	0.20	0.24	0.28	0.32	0.36	0.40	0.44	0.48	
	30	1.24	1.81	2.38	2.95	3.52	4.09	4.66	5.24	5.81	6.38	6.95	
	0.76	0.11	0.17	0.22	0.27	0.33	0.38	0.43	0.49	0.54	0.59	0.65	
	36	1.55	2.27	2.99	3.70	4.42	5.14	5.85	6.57	7.29	8.00	8.72	
	0.91	0.14	0.21	0.28	0.34	0.41	0.48	0.54	0.61	0.68	0.74	0.81	
	42	1.87	2.73	3.59	4.45	5.32	6.18	7.04	7.90	8.77	9.63	10.49	
	1.07	0.17	0.25	0.33	0.41	0.49	0.57	0.65	0.73	0.81	0.89	0.97	
	48	2.18	3.19	4.20	5.21	6.21	7.22	8.23	9.24	10.24	11.25	12.26	
	1.22	0.20	0.30	0.39	0.48	0.58	0.67	0.76	0.86	0.95	1.05	1.14	
	54	2.50	3.65	4.80	5.96	7.11	8.26	9.42	10.57	11.72	12.88	14.03	
	1.37	0.23	0.34	0.45	0.55	0.66	0.77	0.87	0.98	1.09	1.20	1.30	

Upper Numerals English Units/Lower Numerals Metric Units