

# Air Flow Company, Inc.

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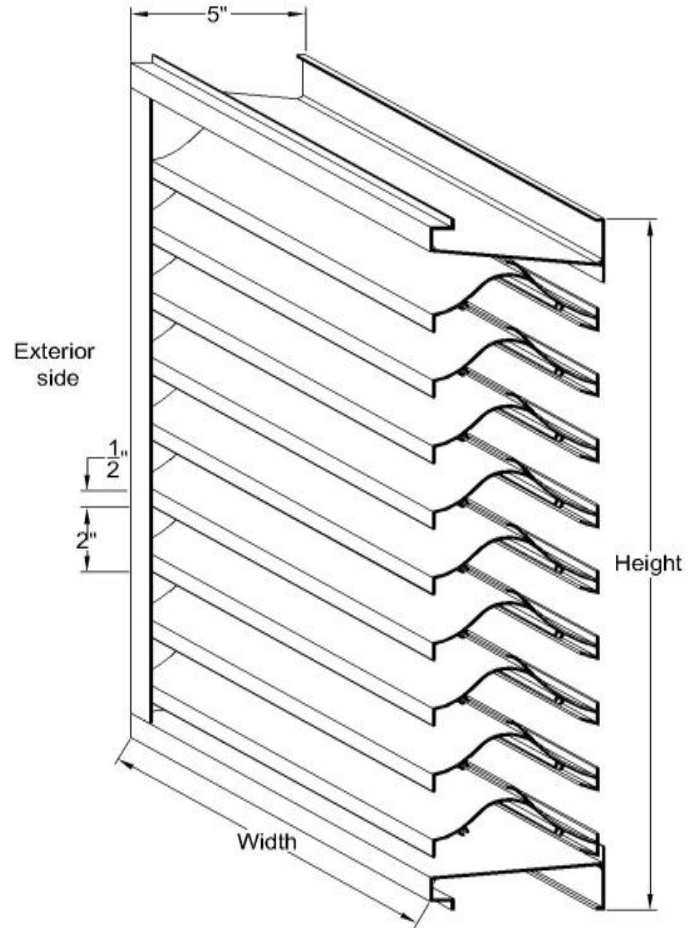
## EA-505 5" Wind Driven, Sight Proof Stationary Louver

### Standard Louver Construction

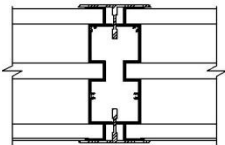
✓ Frame	Channel
✓ Frame Thickness	.081" extruded aluminum 6063-T5
✓ Blades Thickness	.081" extruded aluminum 6063-T5
✓ Blade Positioning	2" spacing center to center
✓ Fasteners	3/16" plated steel screw
✓ Screen	.050" x 3/4" expanded aluminum without frame
✓ Finish	Mill
✓ Undersized	1/4" under opening sizes
✓ Mullions	Invisible
✓ Minimum Size	12" x 12"
✓ Maximum Single Section	120" x 84" or 84" x 120"

### Optional Construction

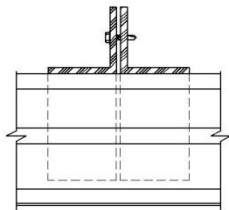
Frames	Channel .125" extruded aluminum 6063-T5
Blades	.125" extruded aluminum 6063-T5
Fasteners	Welded Construction Stainless Steel Fasteners
Screen	.063" x 1/2" wire mesh Bird Screen 18 x 16 Insect screen Insect Screen
Finish	Prime coat
	Baked enamel
	Powder coat
	Kynar 500     2 Coat     3 Coat Anodized     Clear     Color
Mullions	Visible Flange
Frame Accessories	Pan
	Extended sill



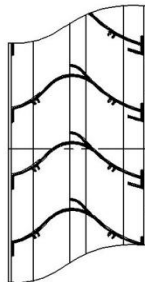
**Air Flow Model EA-505.** The ratings shown are based on tests & Procedures Made in accordance with AMCA standard 500-L. The actual test results of water penetration & air performance may vary (+/-10%) depending on the actual application. Free area calculations are (+/-5%)



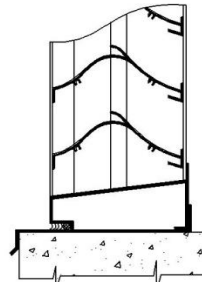
Exposed Mullion



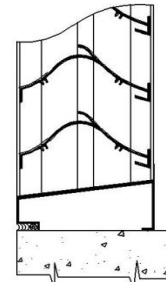
Invisible Mullion



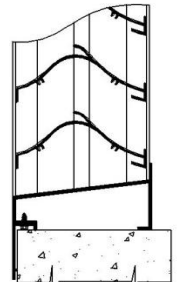
Hor. Invisible Mullion



Channel W/sill



Channel Frame



Flanged (1-1/2")

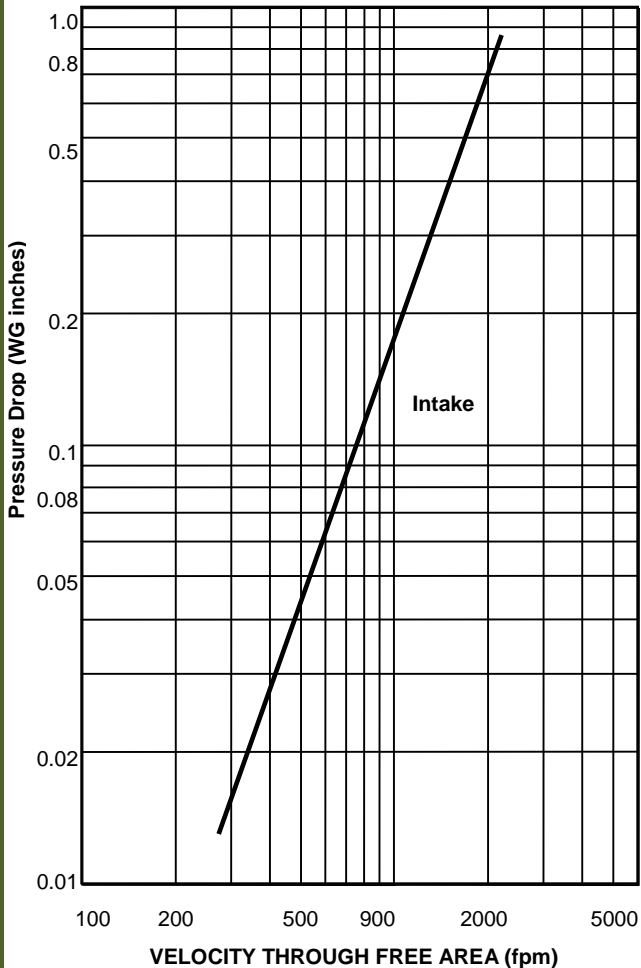
### Louver Schedule

Item	Qty	Opening Size (W x H)	Notes	Project:
				Location:
				Arch/Eng:
				Customer:

#### Free Area Calculations (sq. ft.)

	WIDTH (inches)														
	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
12	0.38	0.59	0.81	1.02	1.23	1.45	1.66	1.87	2.09	2.30	2.51	2.73	2.94	3.15	3.37
18	0.66	1.03	1.41	1.78	2.15	2.53	2.90	3.27	3.65	4.02	4.40	4.77	5.14	5.52	5.89
24	0.94	1.47	2.01	2.54	3.07	3.61	4.14	4.68	5.21	5.74	6.28	6.81	7.35	7.88	8.41
30	1.22	1.91	2.61	3.30	4.00	4.69	5.38	6.08	6.77	7.47	8.16	8.85	9.55	10.24	10.94
36	1.50	2.35	3.21	4.06	4.92	5.77	6.62	7.48	8.33	9.19	10.04	10.90	11.75	12.60	13.46
42	1.78	2.79	3.81	4.82	5.84	6.85	7.87	8.88	9.89	10.91	11.92	12.94	13.95	14.97	15.98
48	2.06	3.23	4.41	5.58	6.76	7.93	9.11	10.28	11.46	12.63	13.81	14.98	16.15	17.33	18.50
54	2.34	3.68	5.01	6.34	7.68	9.01	10.35	11.68	13.02	14.35	15.69	17.02	18.36	19.69	21.03
60	2.62	4.12	5.61	7.11	8.60	10.09	11.59	13.08	14.58	16.07	17.57	19.06	20.56	22.05	23.55
66	2.90	4.56	6.21	7.87	9.52	11.18	12.83	14.49	16.14	17.80	19.45	21.11	22.76	24.42	26.07
72	3.18	5.00	6.81	8.63	10.44	12.26	14.07	15.89	17.70	19.52	21.33	23.15	24.96	26.78	28.59
78	3.46	5.44	7.41	9.39	11.36	13.34	15.31	17.29	19.26	21.24	23.21	25.19	27.16	29.14	31.12
84	3.74	5.88	8.01	10.15	12.28	14.42	16.55	18.69	20.83	22.96	25.10	27.23	29.37	31.50	33.64
90	4.02	6.32	8.61	10.91	13.20	15.50	17.80	20.09	22.39	24.68	26.98	29.27	31.57	33.86	36.16
96	4.30	6.76	9.21	11.67	14.13	16.58	19.04	21.49	23.95	26.40	28.86	31.32	33.77	36.23	38.68
102	4.58	7.20	9.81	12.43	15.05	17.66	20.28	22.89	25.51	28.13	30.74	33.36	35.97	38.59	41.21
108	4.86	7.64	10.42	13.19	15.97	18.74	21.52	24.30	27.07	29.85	32.62	35.40	38.18	40.95	43.73
114	5.14	8.08	11.02	13.95	16.89	19.82	22.76	25.70	28.63	31.57	34.51	37.44	40.38	43.31	46.25
120	5.42	8.52	11.62	14.71	17.81	20.91	24.00	27.10	30.19	33.29	36.39	39.48	42.58	45.68	48.77

#### Air Performance



#### WIND DRIVEN RAIN PERFORMANCE

1m x 1m Test Size	29 mpm Wind Velocity @ 3 in./hr. Rainfall Rate	
Core Velocity	Water Pen. Effectiveness	Water Pen. Classification
0 fpm	-	A
99 fpm	-	A
195 fpm	-	A
295 fpm	99.6	A
390 fpm	99.6	A
490 fpm	99.5	A
590 fpm	99.2	A
691 fpm	99.1	A



#### Wind Drive Rain Penetration Classes

Class	Effectiveness
A	1 to 0.99
B	0.989 to 0.95
C	0.949 to 0.80
D	Below 0.80

#### Water Penetration

Beginning of water penetration = 1018 FPM (15 minutes duration)

