

Air Flow Company, Inc.

850 W. Fullerton Ave. • Addison, IL 60101
Tel (630) 628-1138 Fax (630) 628-1149

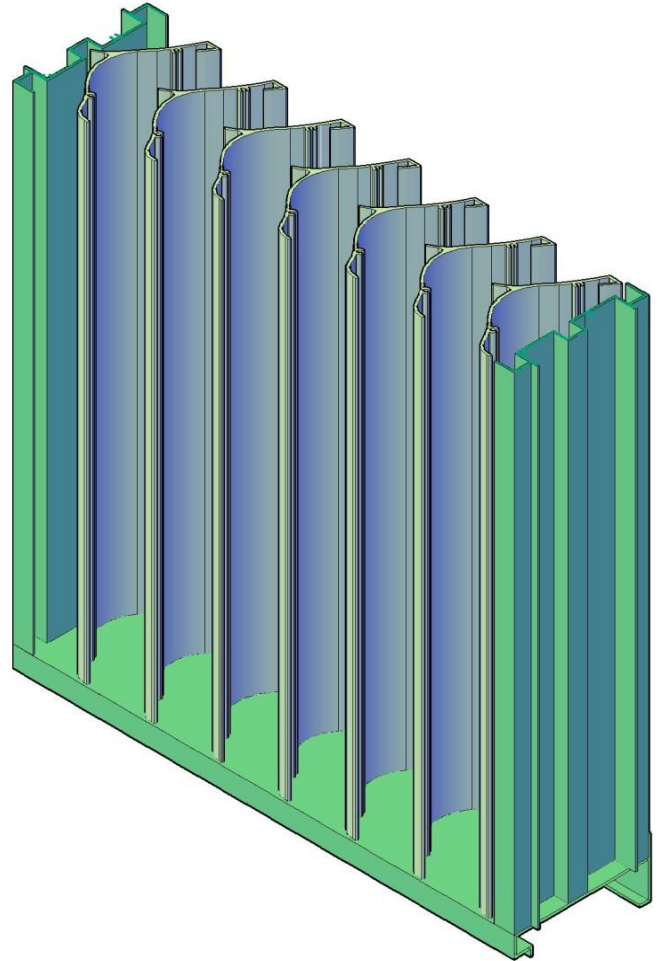
EA-505V 5" Wind Driven, Sight Proof Vertical Louver

Standard Louver Construction

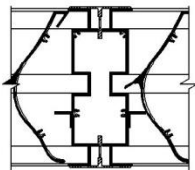
✓ Frame	Channel
✓ Frame Thickness	.081" extruded aluminum 6063-T5
✓ Blades Thickness	.081" extruded aluminum 6063-T5
✓ Blade Positioning	2-½" spacing center to center
✓ Fasteners	3/16" plated steel screw
✓ Screen	.050" x ¾" expanded aluminum without frame
✓ Finish	Mill
✓ Undersized	¼" under opening sizes
✓ Mullions	Invisible
✓ Minimum Size	12" x 12"
✓ Maximum Single Section	120" x 84" or 84" x 120"

Optional Construction

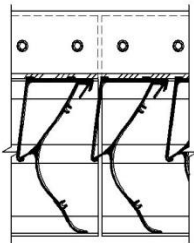
Frames	Channel .125" extruded aluminum 6063-T5
Blades	.125" extruded aluminum 6063-T5
Fasteners	Welded Construction Stainless Steel Fasteners
Screen	.063" x ½" wire mesh Bird Screen 18 x 16 Insect screen
Finish	Prime coat
	Baked enamel
	Powder coat
	Kynar 500 2 Coat 3 Coat Anodized Clear Color
Mullions	Visible Flange
Frame Accessories	Sill Pan
	Extended sill



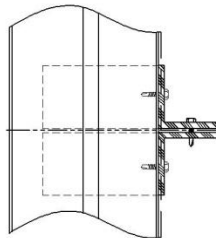
Air Flow Louver Model EA-505v the ratings shown are based on tests and procedures made in accordance with AMCA standard 500-L. The actual test results of water penetration and air performance may vary (+/-10%) depending on the actual application. Free area calculations are (+/-5%).



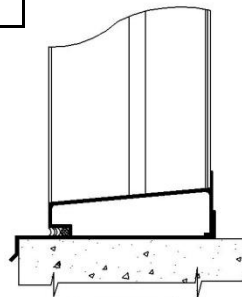
Exposed Mullion



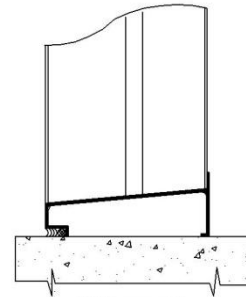
Invisible Mullion



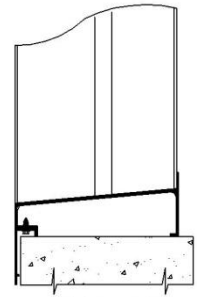
Hor. Invisible Mullion



Channel W/sill



Channel Frame



Flanged (1-1/2")

Louver Schedule

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

Air Flow Company, Inc.

850 W. Fullerton Ave. • Addison, IL. 60101
Tel (630) 628-1138 Fax (630) 628-1149

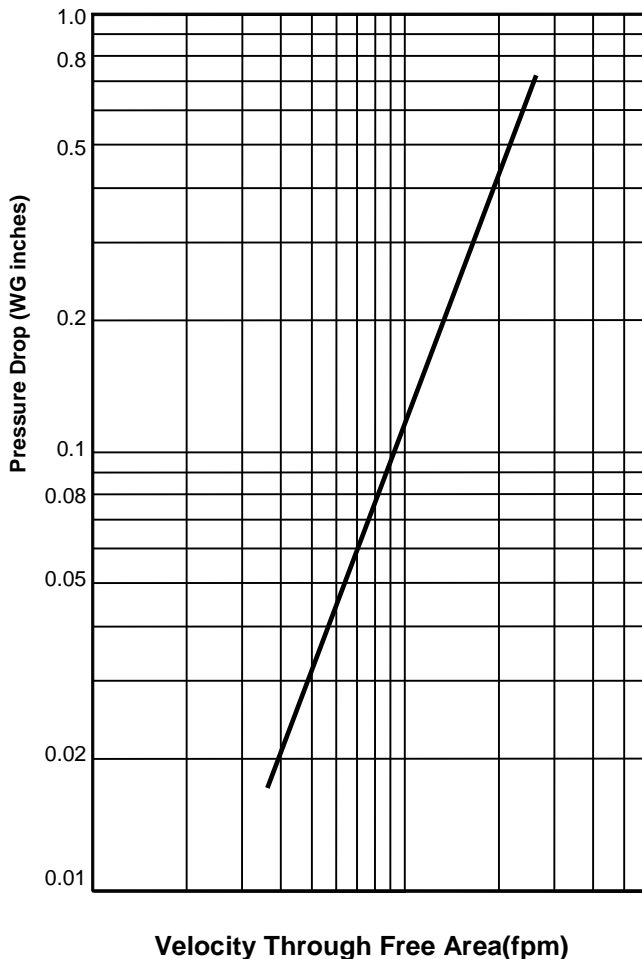
EA-505V

5" Wind Driven,
Sight Proof Vertical
Louver

Free Area Calculations (sq. ft.)

		WIDTH (inches)														
		12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
HEIGHT (inches)	12	0.33	0.52	0.71	0.90	1.09	1.28	1.47	1.66	1.85	2.04	2.23	2.42	2.61	2.81	3.00
	18	0.50	0.78	1.07	1.35	1.64	1.93	2.21	2.50	2.78	3.07	3.35	3.64	3.92	4.21	4.49
	24	0.67	1.05	1.43	1.81	2.19	2.57	2.95	3.33	3.71	4.09	4.47	4.85	5.23	5.61	5.99
	30	0.92	1.44	1.96	2.48	3.01	3.53	4.05	4.58	5.10	5.62	6.14	6.67	7.19	7.71	8.24
	36	1.08	1.70	2.32	2.94	3.55	4.17	4.79	5.41	6.03	6.64	7.26	7.88	8.50	9.12	9.73
	42	1.33	2.09	2.85	3.61	4.37	5.13	5.90	6.66	7.42	8.18	8.94	9.70	10.46	11.22	11.98
	48	2.08	3.27	4.46	5.65	6.83	8.02	9.21	10.40	11.59	12.78	13.97	15.15	16.34	17.53	18.72
	54	1.66	2.61	3.57	4.52	5.47	6.42	7.37	8.32	9.27	10.22	11.17	12.12	13.07	14.03	14.98
	60	1.91	3.01	4.10	5.19	6.29	7.38	8.47	9.57	10.66	11.75	12.85	13.94	15.04	16.13	17.22
	66	2.08	3.27	4.46	5.65	6.83	8.02	9.21	10.40	11.59	12.78	13.97	15.15	16.34	17.53	18.72
	72	2.33	3.66	4.99	6.32	7.65	8.99	10.32	11.65	12.98	14.31	15.64	16.97	18.30	19.64	20.97
	78	2.50	3.92	5.35	6.77	8.20	9.63	11.05	12.48	13.91	15.33	16.76	18.19	19.61	21.04	22.46
	84	2.66	4.18	5.71	7.23	8.75	10.27	11.79	13.31	14.83	16.35	17.88	19.40	20.92	22.44	23.96
	90	2.91	4.58	6.24	7.90	9.57	11.23	12.90	14.56	16.22	17.89	19.55	21.22	22.88	24.54	26.21
	96	3.08	4.84	6.60	8.36	10.11	11.87	13.63	15.39	17.15	18.91	20.67	22.43	24.19	25.95	27.71
	102	3.33	5.23	7.13	9.03	10.93	12.84	14.74	16.64	18.54	20.44	22.35	24.25	26.15	28.05	29.95
108	3.49	5.49	7.49	9.48	11.48	13.48	15.48	17.47	19.47	21.47	23.46	25.46	27.46	29.45	31.45	
114	3.66	5.75	7.84	9.94	12.03	14.12	16.21	18.30	20.40	22.49	24.58	26.67	28.76	30.86	32.95	
120	3.91	6.14	8.38	10.61	12.85	15.08	17.32	19.55	21.79	24.02	26.26	28.49	30.72	32.96	35.19	

Air Performance



Wind Driver Rain Performance

1m x 1m Test Size	29 mph Wind Velocity @ 3 in./hr. Rainfall Rate		Wind Driven Rain Penetration Classes	
Core Velocity	Water Pen. Effectiveness	Water Pen. Classification	Class	Effectiveness
0 fpm	-	A	A	1 to 0.99
99 fpm	-	A	B	0.989 to 0.95
195 fpm	-	A	C	0.949 to 0.80
295 fpm	99.6	A	D	Below 0.80
390 fpm	99.6	A		
490 fpm	99.5	A		
590 fpm	99.2	A		
691 fpm	99.1	A		

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

