

# Air Flow Company, Inc.

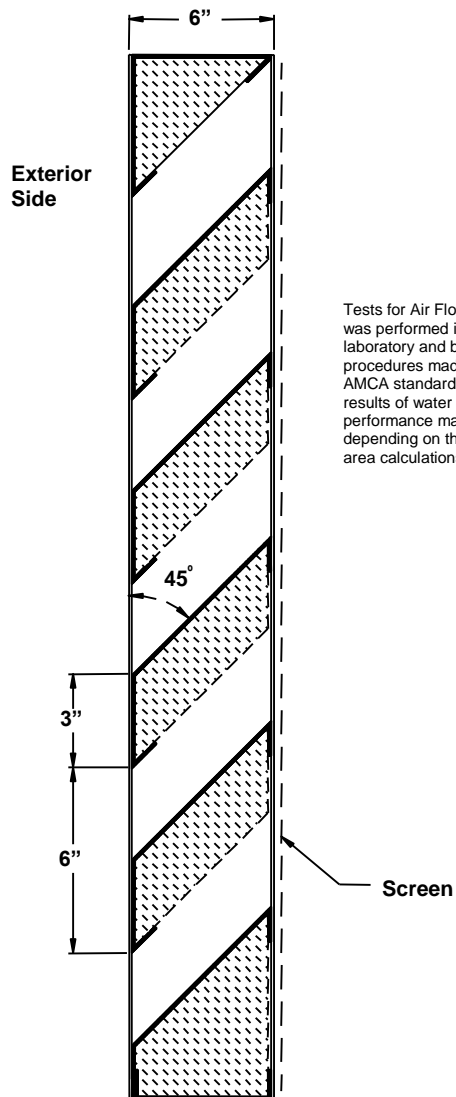
850 W. Fullerton Ave. • Addison, IL. 60101  
 Tel (630) 628-1138 Fax (630) 628-1149

## Model AL 606 Formed Steel Acoustical Louver 6" deep, 45° Straight Blade

Project: \_\_\_\_\_  
 Arch / Eng: \_\_\_\_\_

Contractor: \_\_\_\_\_  
 Customer: \_\_\_\_\_

LOUVER SCHEDULE								
Item	Qty	Opening Size (W x H)	Frame Style	Finish	Screen	Material gauge	Mullions	Notes



TYPICAL VERTICAL SECTION

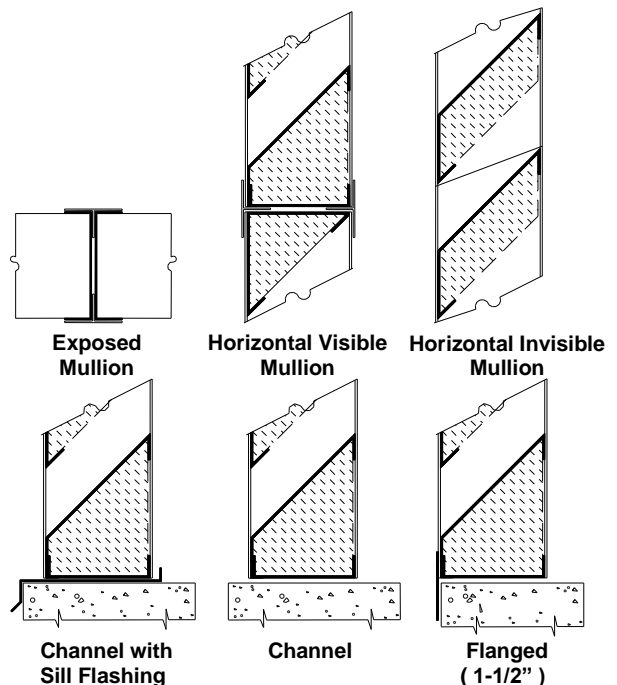
Tests for Air Flow Louver Model AL-606 was performed in an independent laboratory and based on tests and procedures made in accordance with AMCA standard 500-L. The actual test results of water penetration and air performance may vary (+/-10%) depending on the actual application. Free area calculations are (+/-5%)

### STANDARD LOUVER CONSTRUCTION

- Frames:** .Channel, 16 gauge galvanized steel
- Blades:** 20 gauge galvanized steel
- Fasteners:** Mechanical type plated steel rivets on face
- Screen:** 1/2" mesh x 19 gauge no frame
- Finish:** Mill
- Undersized:** 1/4" under opening sizes
- Mullions:** Visible
- Minimum size:** 12" x 12"
- Maximum single section:** 60" x 120"  
 (Larger sizes are available with heavier gauge)

### OPTIONS:

- Material: Heavier gauge, (304 or 316) Stainless steel or 5005-H34 formed aluminum
- Fasteners: Welded construction
- Screen: Insect, aluminum or stainless steel
- Finish: Prime coat, baked enamel, powder coat, Kynar 500
- Mullion: Invisible
- Sill Extension

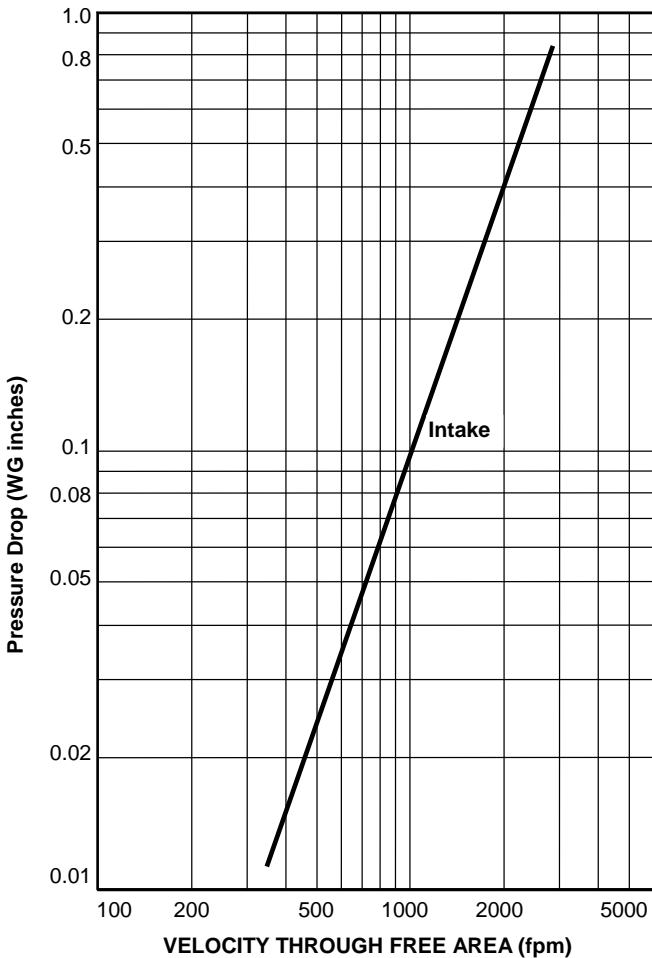


- Free Area
- Air Performance
- Water Penetration

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

		W I D T H (inches)														
		12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
H E I G H T (inches)	12	0.16	0.25	0.34	0.43	0.52	0.61	0.70	0.79	0.88	0.97	1.06	1.15	1.25	1.34	1.43
	18	0.31	0.49	0.67	0.85	1.03	1.22	1.40	1.58	1.76	1.94	2.12	2.30	2.49	2.67	2.85
	24	0.46	0.73	1.00	1.28	1.55	1.82	2.09	2.36	2.64	2.91	3.18	3.45	3.73	4.00	4.27
	30	0.61	0.97	1.34	1.70	2.06	2.43	2.79	3.15	3.51	3.88	4.24	4.60	4.97	5.33	5.69
	36	0.76	1.22	1.67	2.12	2.58	3.03	3.48	3.94	4.39	4.85	5.30	5.75	6.21	6.66	7.11
	42	0.91	1.46	2.00	2.55	3.09	3.64	4.18	4.72	5.27	5.81	6.36	6.90	7.45	7.99	8.54
	48	1.06	1.70	2.33	2.97	3.60	4.24	4.88	5.51	6.15	6.78	7.42	8.05	8.69	9.32	9.96
	54	1.22	1.94	2.67	3.39	4.12	4.85	5.57	6.30	7.02	7.75	8.48	9.20	9.93	10.65	11.38
	60	1.37	2.18	3.00	3.82	4.63	5.45	6.27	7.08	7.90	8.72	9.53	10.35	11.17	11.98	12.80
	66	1.52	2.43	3.33	4.24	5.15	6.06	6.96	7.87	8.78	9.69	10.59	11.50	12.41	13.32	14.22
	72	1.67	2.67	3.67	4.66	5.66	6.66	7.66	8.66	9.66	10.65	11.65	12.65	13.65	14.65	15.65
	78	1.82	2.91	4.00	5.09	6.18	7.27	8.35	9.44	10.53	11.62	12.71	13.80	14.89	15.98	17.07
	84	1.97	3.15	4.33	5.51	6.69	7.87	9.05	10.23	11.41	12.59	13.77	14.95	16.13	17.31	18.49
	90	2.12	3.39	4.66	5.93	7.20	8.48	9.75	11.02	12.29	13.56	14.83	16.10	17.37	18.64	19.91
96	2.27	3.64	5.00	6.36	7.72	9.08	10.44	11.80	13.16	14.53	15.89	17.25	18.61	19.97	21.33	
102	2.43	3.88	5.33	6.78	8.23	9.69	11.14	12.59	14.04	15.49	16.95	18.40	19.85	21.30	22.75	
108	2.58	4.12	5.66	7.20	8.75	10.29	11.83	13.38	14.92	16.46	18.00	19.55	21.09	22.63	24.18	
114	2.73	4.36	5.99	7.63	9.26	10.90	12.53	14.16	15.80	17.43	19.06	20.70	22.33	23.96	25.60	
120	2.88	4.60	6.33	8.05	9.78	11.50	13.23	14.95	16.67	18.40	20.12	21.85	23.57	25.30	27.02	

### Air Performance



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The sound data shown are in accordance ASTM E90 and ASTM E413.

OCTAVE BANDS								
Frequency (hz)	1	2	3	4	5	6	7	8
	63	125	250	500	1000	2000	4000	8000
Transmission Loss (DB)	2	7	7	9	13	15	15	14
Free Field Noise Reduction (DB)	8	13	13	15	19	21	21	20

### Water Penetration

Beginning of water penetration = 830 FPM (15 minutes duration)

