

## SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be adjustable drainable type with drain gutters in each blade and downspouts in jambs and mullions. adjustable drainable blades shall be contained within a 6.20" frame. Louver components (heads, jambs, sills, blades, and mullions) shall be factory assembled by the louver manufacturer. Louver sizes too large for shipping shall be built up by the contractor from factory assembled louver sections to provide overall sizes required. Louver design shall incorporate structural supports required to withstand a wind load of 30 lbs. Per sq. ft. (equivalent of a 110 mph wind).

## PERFORMANCE DATA

AMCA Standard 500 provides a reasonable basis for testing and rating louvers. Testing to AMCA 500 is performed under a certain set of laboratory conditions. This does not guarantee that other conditions will not occur in the actual environment where louvers must operate.

The louver system should be designed with a reasonable safety factor for louver performance. To ensure protection from water carryover, design with a performance level somewhat below maximum desired pressure drop and .01 oz./sq.ft. of water penetration.

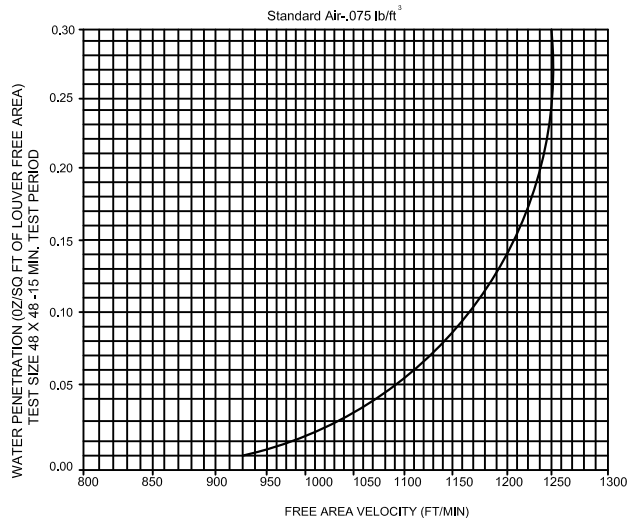
Beginning point of WATER PENETRATION

is

922 fpm

free area velocity at .01 oz. of water penetration

### WATER PENETRATION



Louvers shall be CVS #AFL-D-6 6063T6 extruded aluminum construction as follows:

Frame: 6.20" deep, .125 nominal wall thickness.

Blades: .081 nominal wall thickness. Drainable.

Blades are positioned at 37-degree angle and spaced approximately 4.64 center to center.

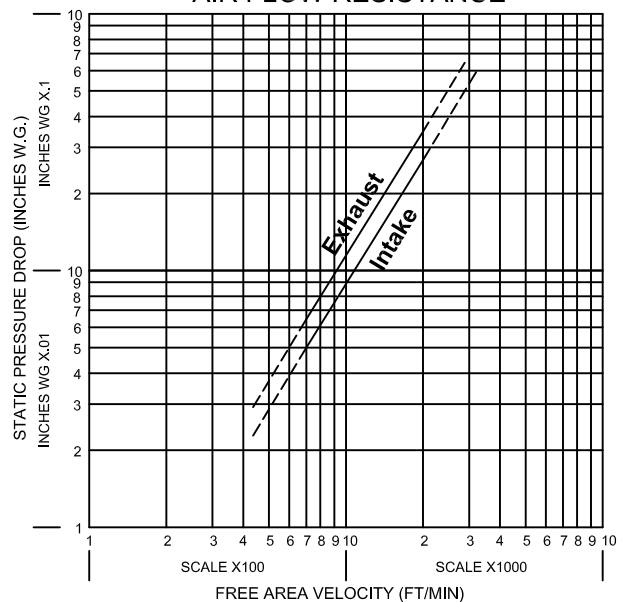
Screen: 3/4" x .051" (19 x 1.3) expanded, flattened aluminum in removable frame.

Published louver performance data bearing the AMCA Certified Ratings Seal for Air Performance & Water Penetration must be submitted for approval prior to fabrication and must demonstrate pressure drop and water penetration equal to or less than the model specified.

### FREE AREA CHART (SQUARE FEET)

Louver Height Inches	Louver Width In Inches									Louver Height Inches
	12	18	24	30	36	42	48	54	60	
12	0.27	0.44	0.61	0.78	0.95	1.11	1.28	1.45	1.62	12
18	0.54	0.87	1.20	1.54	1.87	2.20	2.53	2.86	3.20	18
24	0.79	1.27	1.76	2.24	2.72	3.21	3.69	4.18	4.66	24
30	1.06	1.72	2.37	3.03	3.68	4.34	4.99	5.65	6.30	30
36	1.27	2.06	2.84	3.62	4.40	5.19	5.97	6.75	7.54	36
42	1.51	2.44	3.37	4.29	5.22	6.15	7.08	8.01	8.94	42
48	1.82	2.95	4.07	5.19	6.31	7.43	8.56	9.68	10.80	48
54	1.99	3.22	4.45	5.68	6.90	8.13	9.36	10.59	11.81	54
60	2.24	3.62	5.00	6.39	7.77	9.15	10.53	11.91	13.29	60
66	2.50	4.05	5.59	7.13	8.67	10.21	11.75	13.29	14.83	66
72	2.72	4.40	6.07	7.75	9.42	11.10	12.77	14.45	16.12	72
78	2.99	4.82	6.66	8.50	10.33	12.17	14.01	15.85	17.68	78
84	3.22	5.21	7.19	9.18	11.16	13.15	15.13	17.12	19.10	84
90	3.50	5.66	7.81	9.97	12.12	14.28	16.43	18.59	20.74	90
96	3.72	6.01	8.29	10.58	12.87	15.16	17.45	19.73	22.02	96

### AIR FLOW RESISTANCE



Based on STANDARD AIR-.075 lb. per cubic foot.  
Ratings do not include the effects of screen.  
Test size 48" x 48"