

SUGGESTED SPECIFICATION

Funish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be "J" blade style with 40° stationary blades. Stationary blades shall be contained within a 4.16" 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 provided 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).

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 CVS model specified.

PERFORMANCE DATA

AMCA Standard 500-L provides a reasonable basis for testing and rating louvers. Testing to AMCA 500-L 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.

Louvers shall be CVS EL-4 6063T5 aluminum construction as follows:

FRAME: 4.16" deep, .081" nominal wall thickness

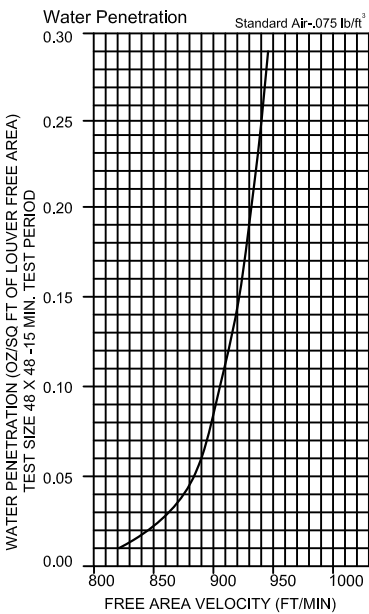
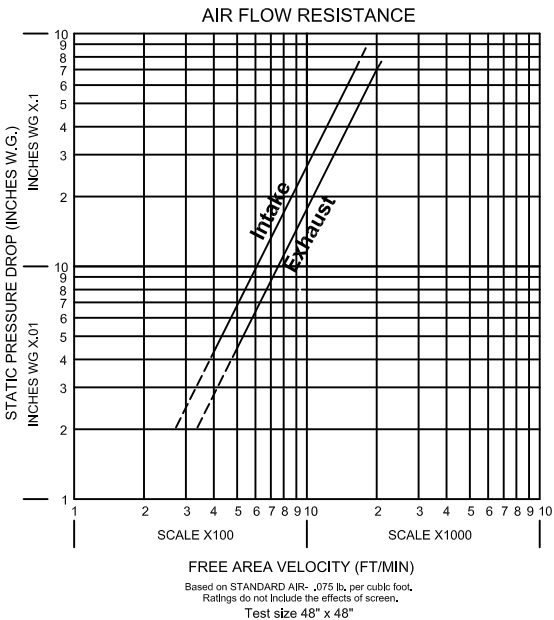
BLADES: .081" nominal wall thickness. Blades are positioned at 39° angle and spaced approximately 4.625" center to center.

SCREEN: .75" x .051" (19 x 1.3) expanded, flattened aluminum in removable frame.

FINISH: Select finish specification from CVS Finishes brochure.

FREE AREA CHART (SQUARE FEET)

Louver Height	Louver Width In Inches																				Louver Height
Inches	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	Inches	
12	0.19	0.31	0.43	0.54	0.66	0.78	0.89	1.01	1.13	1.24	1.36	1.48	1.59	1.71	1.83	1.94	2.06	2.18	2.29	12	
18	0.50	0.80	1.10	1.41	1.71	2.01	2.31	2.62	2.92	3.22	3.53	3.83	4.13	4.43	4.74	5.04	5.34	5.65	5.95	18	
24	0.77	1.23	1.70	2.16	2.63	3.09	3.56	4.02	4.49	4.96	5.42	5.89	6.35	6.82	7.28	7.75	8.21	8.68	9.14	24	
30	0.96	1.54	2.13	2.71	3.30	3.88	4.46	5.05	5.63	6.22	6.80	7.38	7.97	8.55	9.13	9.72	10.30	10.89	11.47	30	
36	1.15	1.85	2.55	3.25	3.96	4.66	5.36	6.06	6.76	7.46	8.16	8.86	9.56	10.26	10.96	11.66	12.36	13.06	13.76	36	
42	1.43	2.29	3.16	4.02	4.89	5.76	6.62	7.49	8.36	9.22	10.09	10.95	11.82	12.69	13.55	14.42	15.29	16.15	17.02	42	
48	1.61	2.59	3.57	4.55	5.53	6.51	7.49	8.47	9.45	10.43	11.41	12.39	13.37	14.35	15.33	16.31	17.29	18.27	19.25	48	
54	1.92	3.09	4.26	5.42	6.59	7.76	8.93	10.10	11.26	12.43	13.60	14.77	15.93	17.10	18.27	19.44	20.61	21.77	22.94	54	
60	2.11	3.40	4.68	5.97	7.25	8.54	9.82	11.11	12.39	13.67	14.96	16.24	17.53	18.81	20.10	21.38	22.67	23.95	25.23	60	
66	2.35	3.78	5.21	6.64	8.07	9.50	10.93	12.36	13.79	15.22	16.65	18.08	19.51	20.94	22.37	23.80	25.23	26.66	28.09	66	
72	2.81	4.52	6.23	7.94	9.65	11.36	13.07	14.78	16.49	18.20	19.90	21.61	23.32	25.03	26.74	28.45	30.16	31.87	33.58	72	
78	2.88	4.63	6.39	8.14	9.89	11.64	13.39	15.14	16.90	18.65	20.40	22.15	23.90	25.65	27.40	29.16	30.91	32.66	34.41	78	
84	3.07	4.94	6.81	8.68	10.55	12.42	14.28	16.15	18.02	19.89	21.76	23.63	25.49	27.36	29.23	31.10	32.97	34.84	36.70	84	
90	3.28	5.27	7.27	9.26	11.25	13.25	15.24	17.23	19.23	21.22	23.21	25.21	27.20	29.19	31.18	33.18	35.17	37.16	39.16	90	
96	3.55	5.70	7.86	10.02	12.17	14.33	16.48	18.64	20.80	22.95	25.11	27.26	29.42	31.57	33.73	35.89	38.04	40.20	42.35	96	
102	3.82	6.13	8.45	10.77	13.09	15.41	17.73	20.05	22.36	24.68	27.00	29.32	31.64	33.96	36.28	38.59	40.91	43.23	45.55	102	
108	3.96	6.37	8.78	11.19	13.60	16.01	18.42	20.82	23.23	25.64	28.05	30.46	32.87	35.28	37.68	40.09	42.50	44.91	47.32	108	
114	4.24	6.81	9.38	11.96	14.53	17.10	19.68	22.25	24.82	27.40	29.97	32.54	35.12	37.69	40.26	42.84	45.41	47.98	50.56	114	
120	4.28	6.89	9.49	12.09	14.69	17.30	19.90	22.50	25.10	27.71	30.31	32.91	35.51	38.12	40.72	43.32	45.92	48.53	51.13	120	



Beginning point of
WATER PENETRATION
for **MODEL EL-4** is
812 fpm
free area velocity at .01
oz. of water