Air Performance

P.O. BOX 86
159 GENCO DRIVE
HARTFORD, AL 36344
PHONE: (334)-588-0070
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APHFA-6 STATIONARY LOUVER

STANDARD CONSTRUCTION:

Frame: 6063-T6 extruded aluminum, 6.20" depth, .125" nominal wall thickness.

Blade: 6063-T6 extruded aluminum, 0.081" nominal wall thickness, blades positioned at 37 degree angle on 4.64" centers.

Birdscreen: 1/2" X 0.063" intercrimped aluminum mesh in removable frame.

Finish: Mill

Minimum size: 12"W X 12"H

Maximum Single Section: 120"W X 84"H or 84"W X 120"H. Louvers exceeding max single section size will be built in multiple sections and require field assembly

Options:

- ☐ Extended sill
- ☐ Insect screen and bird screen (various options of screen types)
- ☐ Filter racks
- ☐ Security bars
- ☐ Blank-off, alum., non-insulated, sheet panels with various thickness options
- ☐ blank-off, alum., insulated with various r value & thickness options, encapsulated within sheet panels with various metal thickness options.

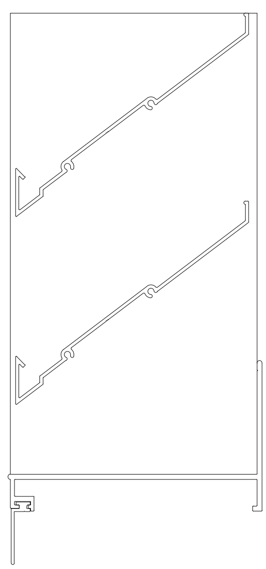
Performance:

-59.69% Free area
-Beginning point of water penetration Lies at 915 fpm

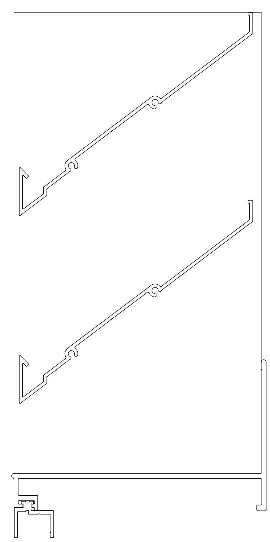
Air Performance, LLC. certifies that the product line shown herein is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA publication 511 and comply with the requirements of the AMCA certified ratings program. The AMCA certified rating seal applies to water penetration and air performance ratings for rectangular louvers only.

Available Finishes:

O Kynar (2 coat & 3 coat)
O Prime coat
O Clear and color anodize



FLANGE ADAPTER OPTION



GLAZING ADAPTER OPTION
(OTHER GLAZING OPTIONS AVAILABLE)

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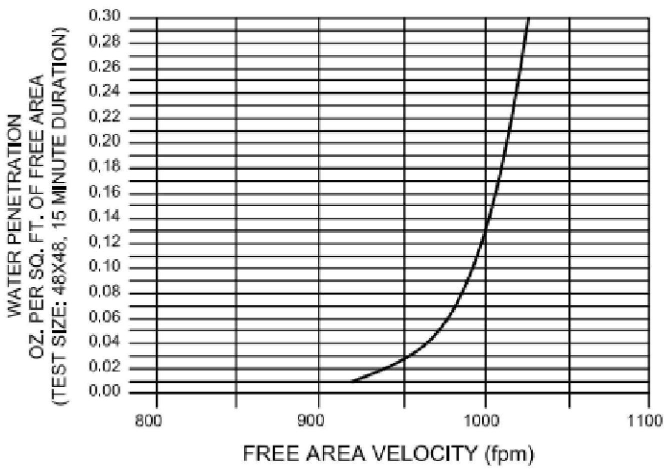
APHFA-6 LOUVER PERFORMANCE DATA

WATER PENETRATION

(BASED ON 48" X 48" LOUVER)

AMCA defines the beginning point of water penetration as the free area velocity at which .01 ounces or less of water per square foot of louver free area is measured to pass through a 48" x 48" louver during a 15 minute period. The AMCA water penetration test provides test data for the comparison of louver designs as to efficiency in resisting the penetration of rainfall under specific laboratory test conditions



* Beginning point of WATER PENETRATION lies above

915 fpm

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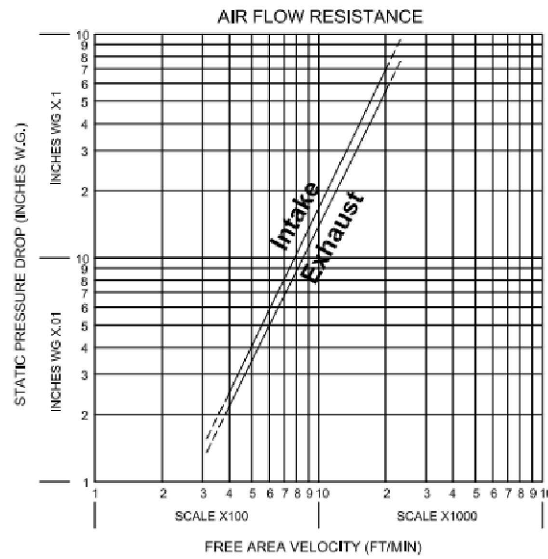
PRESSURE DROP

(BASED ON 48" X 48" LOUVER)



_______CFM / _______FPM = _______SQFT

AIR FLOW VOLUME / FREE AREA VELOCITY @ BEGINNING POINT OF WATER PENETRATION / REQUIRED LOUVER FREE AREA

SELECT LOUVER SIZE FROM FREE AREA CHART BELOW, BASED ON REQUIRED LOUVER FREE AREA ABOVE

DETERMINE PRESSURE DROP FROM PRESSURE DROP CHART BASED ON REQUIRED LOUVER FREE AREA

Height - Inches

Louver Height Inches	Width - Inches																			Louver Height Inches
	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	
12	0.33	0.54	0.75	0.95	1.16	1.36	1.57	1.77	1.98	2.19	2.39	2.60	2.80	3.01	3.21	3.42	3.63	3.83	4.04	12
18	0.56	0.91	1.26	1.61	1.96	2.30	2.65	3.00	3.35	3.69	4.04	4.39	4.74	5.08	5.43	5.78	6.13	6.47	6.82	18
24	0.86	1.39	1.93	2.46	2.99	3.52	4.05	4.58	5.11	5.64	6.18	6.71	7.24	7.77	8.30	8.83	9.36	9.89	10.43	24
30	1.18	1.90	2.62	3.35	4.07	4.80	5.52	6.24	6.97	7.69	8.42	9.14	9.86	10.59	11.31	12.04	12.76	13.48	14.21	30
36	1.41	2.27	3.14	4.00	4.87	5.74	6.60	7.47	8.33	9.20	10.07	10.93	11.80	12.66	13.53	14.39	15.26	16.13	16.99	36
42	1.71	2.75	3.80	4.85	5.90	6.95	8.00	9.05	10.10	11.15	12.20	13.25	14.30	15.35	16.40	17.45	18.50	19.55	20.60	42
48	2.03	3.29	4.54	5.79	7.04	8.30	**9.55**	10.80	12.05	13.30	14.56	15.81	17.06	18.31	19.56	20.82	22.07	23.32	24.57	48
54	2.27	3.66	5.05	6.45	7.84	9.24	10.63	12.02	13.42	14.81	16.21	17.60	18.99	20.39	21.78	23.18	24.57	25.96	27.36	54
60	2.56	4.14	5.72	7.30	8.87	10.45	12.03	13.61	15.18	16.76	18.34	19.92	21.49	23.07	24.65	26.23	27.80	29.38	30.96	60
66	2.88	4.65	6.42	8.19	9.96	11.73	13.50	15.27	17.04	18.81	20.58	22.35	24.12	25.89	27.66	29.43	31.20	32.97	34.74	66
72	3.11	5.02	6.93	8.84	10.76	12.67	14.58	16.49	18.41	20.32	22.23	24.14	26.05	27.97	29.88	31.79	33.70	35.61	37.53	72
78	3.41	5.50	7.60	9.69	11.79	13.88	15.98	18.08	20.17	22.27	24.36	26.46	28.56	30.65	32.75	34.84	36.94	39.03	41.13	78
84	3.72	6.01	8.30	10.58	12.87	15.16	17.45	19.74	22.03	24.32	26.60	28.89	31.18	33.47	35.76	38.05	40.33	42.62	44.91	84
90	3.95	6.38	8.81	11.24	13.67	16.10	18.53	20.96	23.39	25.82	28.25	30.68	33.11							
96	4.25	6.86	9.48	12.09	14.70	17.32	19.93	22.55	25.16	27.77	30.39	33.00	35.62							
102	4.56	7.37	10.17	12.98	15.79	18.59	21.40	24.21	27.01	29.82	32.63	35.43	38.24							
108	4.79	7.74	10.69	13.64	16.59	19.53	22.48	25.43	28.38	31.33	34.28	37.23	40.18							
114	5.09	8.22	11.35	14.49	17.62	20.75	23.88	27.02	30.15	33.28	36.41	39.54	42.68							
120	5.40	8.73	12.05	15.38	18.70	22.03	25.35	28.68	32.00	35.33	38.65	41.98	45.30							