

Vertical Sightproof Extruded Blade

Model

Louver **WDRV-6**

Standard Construction:

Frame: 6 x .100" 6063-T5 Extruded Aluminum.

Screen: Bird screen - 3/4" x .050 (19mm x 12.7mm) flattened expanded aluminum in a removable frame.

Finish: Mill aluminum.

Options:

Screen: Insect screen - 18 x 16 mesh aluminum 1/2" x .063 (12.7mm x 1.6mm) aluminum.

Finish:

- Prime Coat
- Baked Enamel
- Kynar 500 Enamel
- Clear Anodize - 204-R1 and 215-R1
- Integral Color Anodize

Sill Extensions:

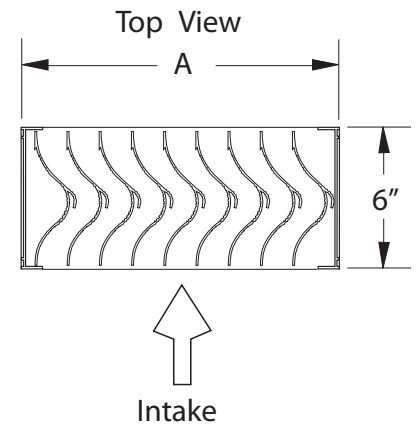
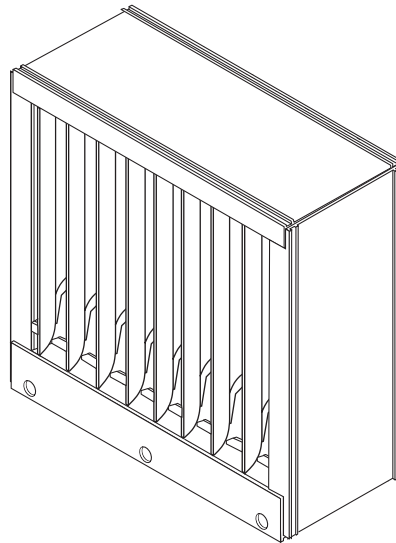
Flange Frame: Front or Rear

Minimum Size: 12"w x 12"h (305 mm x 305 mm)

Maximum Size: 96"w x 96"h (2438 mm x 2438 mm)

Specifications

Furnish and install where shown model WDRV-6 louver, manufactured by E.H. Price Limited. Louvers shall be the AMCA Licensed for Wind Driven Rain at 29.1 and 50 mph, Class A 1. Frames shall be .100 inches thick 6063-T5 extruded aluminum alloy. Blades shall be sight proof and .090 inches thick 6063-T5 aluminum alloy. Screens shall consist of 3/4" expanded aluminum, with an aluminum frame, mounted to the louver interior, and be removable for cleaning. Louvers shall be finished with Polyurethane Acrylic Enamel, Kynar 500, powder Coat, Anodized or other finishes selected by the architect from NCA standard color charts.



PROJECT:		
ENGINEER:		
CUSTOMER:		August 2006
SUBMITTAL DATE:	SPEC. SYMBOL:	

Model WDRV-6 Wind-Driven Rain Resistant Louver



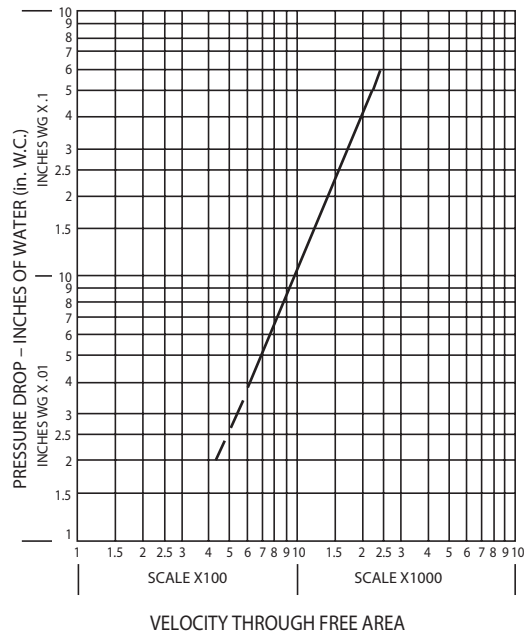
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Free Area - Sq. Ft.

Width - Inches

Height - Inches	Width - Inches														
	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
12	0.34	0.57	0.80	1.03	1.26	1.49	1.72	1.95	2.18	2.40	2.63	2.86	3.09	3.32	3.55
18	0.57	0.95	1.34	1.72	2.10	2.48	2.86	3.24	3.63	4.01	4.39	4.77	5.15	5.53	5.91
24	0.80	1.34	1.87	2.40	2.94	3.47	4.01	4.54	5.08	5.61	6.14	6.68	7.21	7.75	8.28
30	1.03	1.72	2.40	3.09	3.78	4.46	5.15	5.84	6.53	7.21	7.90	8.59	9.27	9.96	10.65
36	1.26	2.10	2.94	3.78	4.62	5.46	6.30	7.14	7.98	8.81	9.65	10.49	11.33	12.17	13.01
42	1.49	2.48	3.47	4.46	5.46	6.45	7.44	8.43	9.43	10.42	11.41	12.40	13.39	14.39	15.38
48	1.72	2.86	4.01	5.15	6.30	7.44	8.59	9.73	10.88	12.02	13.16	14.31	15.45	16.60	17.74
54	1.95	3.24	4.54	5.84	7.14	8.43	9.73	11.03	12.33	13.62	14.92	16.22	17.51	18.81	20.11
60	2.18	3.63	5.08	6.53	7.98	9.43	10.88	12.33	13.78	15.23	16.68	18.13	19.58	21.03	22.48
66	2.40	4.01	5.61	7.21	8.81	10.42	12.02	13.62	15.23	16.83	18.43	20.03	21.64	23.24	24.84
72	2.63	4.39	6.14	7.90	9.65	11.41	13.16	14.92	16.68	18.43	20.19	21.94	23.70	25.45	27.21
78	2.86	4.77	6.68	8.59	10.49	12.40	14.31	16.22	18.13	20.03	21.94	23.85	25.76	27.66	29.57
84	3.09	5.15	7.21	9.27	11.33	13.39	15.45	17.51	19.58	21.64	23.70	25.76	27.82	29.88	31.94
90	3.32	5.53	7.75	9.96	12.17	14.39	16.60	18.81	21.03	23.24	25.45	27.66	29.88	32.09	34.30
96	3.55	5.91	8.28	10.65	13.01	15.38	17.74	20.11	22.48	24.84	27.21	29.57	31.94	34.30	36.67

The ratings do not include the effects of birdscreen.



Intake Pressure Drop

Performance shown is at standard air density, 0.075 lbs./ft.
Pressure drop data applies to test unit 48" x 48" only.

Wind Driven Rain Performance

29.1 mph Wind Driven Rain Test are per AMCA Standard 500-L. Figure 5.11 Setup. Performance Based Test louver 41-3/8" x 40-3/8", 1m x 1m Core Size.

Velocity Through Cal. Plate (fpm)	Core Velocity Through Louver (fpm)	Specified Flow (gal/hr)	Nominal Supply Flow (gal/hr)	Corrected Penetrated Water Flow (gal/hr)	Water Penetration Effectiveness (%)	Water Penetration Classification
484	489	20.135	41.209	0.0000	100.0	A
587	573	20.135	39.266	0.0150	99.9	A
672	697	20.135	39.170	0.1462	99.3	A

50 mph Wind Driven Rain Test are per AMCA Standard 500-L. Figure 5.11 Setup. Performance Based Test louver size 41-3/8" x 40-3/8", 1m x 1m Core Size.

Velocity Through Cal. Plate (fpm)	Core Velocity Through Louver (fpm)	Specified Flow (gal/hr)	Nominal Supply Flow (gal/hr)	Corrected Penetrated Water Flow (gal/hr)	Water Penetration Effectiveness (%)	Water Penetration Classification
274	297	53.693	133.366	0.0157	100.0	A
386	408	53.693	124.709	0.0678	99.9	A
473	474	53.693	122.530	0.1021	99.8	A
570	581	53.693	118.545	0.1726	99.7	A
694	688	53.693	111.888	0.2587	99.5	A

Class	Discharge Loss Coefficient
1	0.4 and above
2	0.3 to 0.399
3	0.2 to 0.299
4	0.199 and below

The Discharge Loss Coefficient is Class 1. The Discharge Loss Coefficient is calculated per AMCA 511, Appendix C5 using Actual Flow divided by the Theoretical Flow.



E.H. Price Limited certifies that the Model WDRV-6 louver 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 Seal applies to Air Performance and Wind Driven Rain.