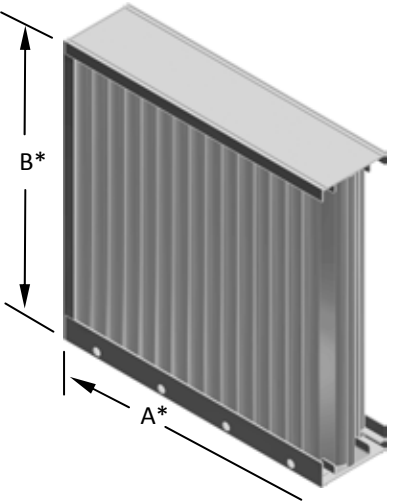


Tag: _____ **Engineer:** _____
Project: _____ **Contractor:** _____
Location: _____ **Architect:** _____
Date: _____ **Submitted By:** _____



MODEL WDRV-6
Extruded Aluminum Louver

Vertical Blade Wind-Driven Rain, AMCA Licensed



* Width [A dimension] and Height [B dimension] are approximately 1/4" (6) under listed size, unless otherwise specified.

Standard Construction

FRAME: 6" (152) x .100 (2.5) extruded aluminum, 6063-T6

BLADES: .062 (1.6) extruded aluminum, 6063-T6
Vertical Sightproof Wind-Driven Rain Blades on 1.5" (38) centers

SCREEN: Bird screen - 3/4" (19) x .050" (1.3) expanded, flattened aluminum with a removable frame on the interior of the louver. Screen adds approximately 1/2" (12.7) to depth of louver.

FINISH: Mill

MINIMUM SIZE:
12"w (305) x 12"h (305)

MAXIMUM FACTORY ASSEMBLY SIZE:
Single Sections will not exceed 60"w (1524) x 96"h (2438). Larger sizes will require field assembly of smaller sections.

All dimensions shown in inches, parenthesis () indicate millimeters.

LEED Material Information

VOC Content (g/L) - 0

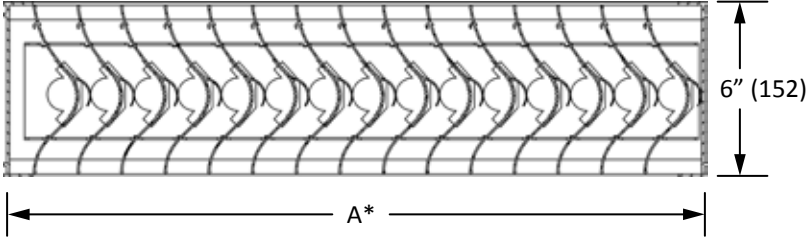
Manufacturing Location (MR 5.1)

- Marion, NC 28752

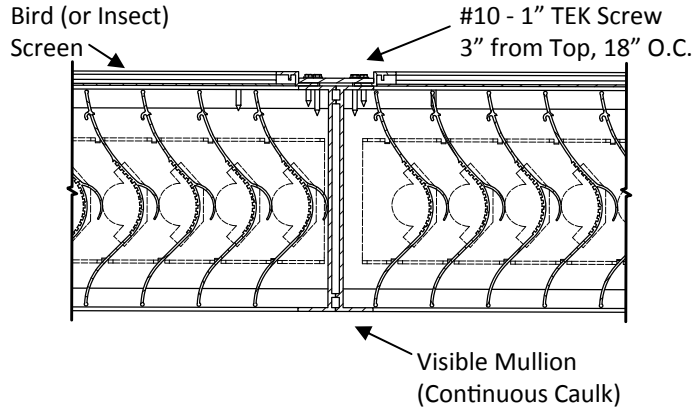
Recycled Content (MR 4.1 & 4.2)

- 10% Post-Consumer
- 80% Pre-Consumer

Section View



Multiple Section View



Optional Construction

- Sill Extension
- Flange Frame [1 1/2" (38)]
- Sub-Frame
- Hinged Sub-Frame
- Filter Racks
- Security Bars:
 - Front
 - Rear
- Optional Bird and Insect Screens
- Optional Finishes: Consult Finishes Chart
- Blank Off Panel:
 - Aluminum, Non-Insulated
 - Aluminum, Insulated

Consult NCA for Other Special Requirements

All Stated Specifications Are Subject to Change Without notice or Obligation.

WDRV-6 - 0113 / Replaces WDRV-6 - 07-09

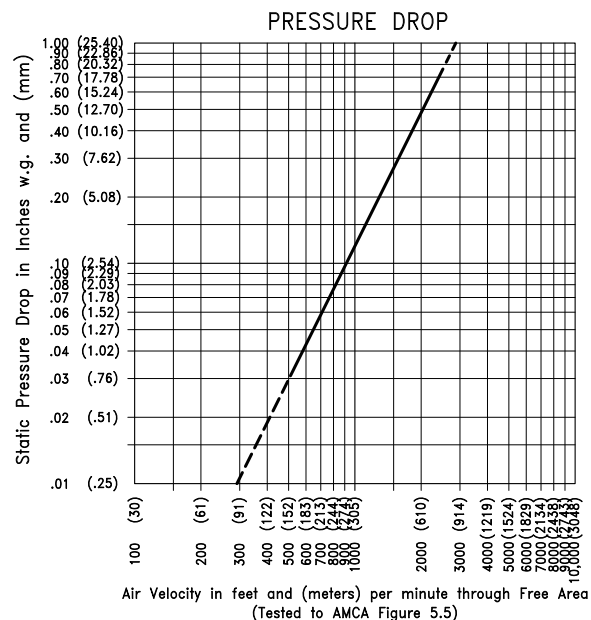


PERFORMANCE DATA

FREE AREA GUIDE FOR WDRV-6 (Free area in ft² and m²)

		Width in Inches (Meters)														
		12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
Height in Inches (Meters)	12	0.39	0.61	0.84	1.06	1.28	1.50	1.72	1.85	2.07	2.29	2.51	2.74	2.96	3.18	3.40
	0.30	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.17	0.19	0.21	0.23	0.25	0.27	0.30	0.32
	18	0.66	1.02	1.39	1.76	2.13	2.50	2.86	3.09	3.46	3.82	4.19	4.56	4.93	5.29	5.66
	0.46	0.06	0.10	0.13	0.16	0.20	0.23	0.27	0.29	0.32	0.36	0.39	0.42	0.46	0.49	0.53
	24	0.92	1.43	1.95	2.46	2.98	3.49	4.01	4.32	4.84	5.35	5.87	6.38	6.90	7.41	7.93
	0.61	0.09	0.13	0.18	0.23	0.28	0.32	0.37	0.40	0.45	0.50	0.55	0.59	0.64	0.69	0.74
	30	1.18	1.84	2.51	3.17	3.83	4.49	5.15	5.56	6.22	6.88	7.54	8.21	8.87	9.53	10.19
	0.76	0.11	0.17	0.23	0.29	0.36	0.42	0.48	0.52	0.58	0.64	0.70	0.76	0.82	0.89	0.95
	36	1.44	2.25	3.06	3.87	4.68	5.49	6.30	6.79	7.60	8.41	9.22	10.03	10.84	11.65	12.46
	0.91	0.13	0.21	0.28	0.36	0.44	0.51	0.59	0.63	0.71	0.78	0.86	0.93	1.01	1.08	1.16
	42	1.71	2.66	3.62	4.58	5.53	6.49	7.45	8.03	8.98	9.94	10.90	11.85	12.81	13.77	14.72
	1.07	0.16	0.25	0.34	0.43	0.51	0.60	0.69	0.75	0.84	0.92	1.01	1.10	1.19	1.28	1.37
	48	1.97	3.07	4.18	5.28	6.38	7.49	8.59	9.26	10.37	11.47	12.57	13.68	14.78	15.88	16.99
	1.22	0.18	0.29	0.39	0.49	0.59	0.70	0.80	0.86	0.96	1.07	1.17	1.27	1.37	1.48	1.58
	54	2.23	3.48	4.73	5.98	7.23	8.49	9.74	10.50	11.75	13.00	14.25	15.50	16.75	18.00	19.25
	1.37	0.21	0.32	0.44	0.56	0.67	0.79	0.91	0.98	1.09	1.21	1.33	1.44	1.56	1.67	1.79
60	2.49	3.89	5.29	6.69	8.09	9.48	10.88	11.73	13.13	14.53	15.93	17.32	18.72	20.12	21.52	
1.52	0.23	0.36	0.49	0.62	0.75	0.88	1.01	1.09	1.22	1.35	1.48	1.61	1.74	1.87	2.00	
66	2.76	4.30	5.85	7.39	8.94	10.48	12.03	12.97	14.51	16.06	17.60	19.15	20.69	22.24	23.78	
1.68	0.26	0.40	0.54	0.69	0.83	0.97	1.12	1.21	1.35	1.49	1.64	1.78	1.92	2.07	2.21	
72	3.02	4.71	6.40	8.10	9.79	11.48	13.17	14.20	15.89	17.59	19.28	20.97	22.66	24.36	26.05	
1.83	0.28	0.44	0.60	0.75	0.91	1.07	1.23	1.32	1.48	1.64	1.79	1.95	2.11	2.27	2.42	
78	3.28	5.12	6.96	8.80	10.64	12.48	14.32	15.44	17.28	19.12	20.96	22.80	24.63	26.47	28.31	
1.98	0.31	0.48	0.65	0.82	0.99	1.16	1.33	1.44	1.61	1.78	1.95	2.12	2.29	2.46	2.63	
84	3.54	5.53	7.52	9.50	11.49	13.48	15.46	16.67	18.66	20.65	22.63	24.62	26.61	28.59	30.58	
2.13	0.33	0.51	0.70	0.88	1.07	1.25	1.44	1.55	1.74	1.92	2.10	2.29	2.47	2.66	2.84	
90	3.81	5.94	8.07	10.21	12.34	14.47	16.61	17.91	20.04	22.17	24.31	26.44	28.58	30.71	32.84	
2.29	0.35	0.55	0.75	0.95	1.15	1.35	1.54	1.67	1.86	2.06	2.26	2.46	2.66	2.86	3.05	
96	4.07	6.35	8.63	10.91	13.19	15.47	17.75	19.14	21.42	23.70	25.99	28.27	30.55	32.83	35.11	
2.44	0.38	0.59	0.80	1.01	1.23	1.44	1.65	1.78	1.99	2.20	2.42	2.63	2.84	3.05	3.27	

- Notes:**
- Pressure Drop Data applies to test unit size 48" w x 48" h (1219 x 1219) only.
 - Reported Pressure Drop is for Intake only.
 - Performance data does not include the effects of bird screen.
 - All Performance shown is at standard air density of 0.075 lb/ft³ (1.2 kg/m³).



Wind Driven Rain Performance

29.1 mph Wind Driven Tests are per AMCA 500L. Figure 5.11 Setup
Performance Based Test Louver 39 3/8"x39 3/8", 1m x 1m Core Size e

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
587	588	20.135	37.797	0.0000	100.0	A
680	676	20.135	36.560	0.0108	99.9	A

50 mph Wind Driven Tests are per AMCA 500L. Figure 5.11 Setup
Performance Based Test Louver 39 3/8"x39 3/8", 1m x 1m Core Size e

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.



NCA certifies that the Model **WDRV-6** louver shown herein is certified 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 Ratings Seal applies to air performance ratings and wind driven rain ratings only.