

5WDRL-V STATIONARY WIND DRIVEN RAIN RESISTANT LOUVER

STANDARD CONSTRUCTION:

Front Frame: 5" deep, 6063-T6 Extruded aluminum 0.080" Nominal wall thickness

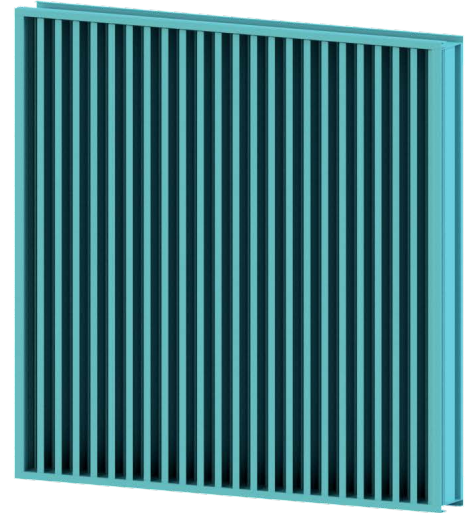
Front Blade: 6063-T6 Extruded aluminum 0.080" Nominal wall thickness double drainable, sight-proof blades spaced on approximately 2.125" Centers

Birdscreen: .500" woven .062 bird screen , aluminum bird screen in removable frame. Screen will add approximately 1 2" to the depth of the louver.

Finish: MILL

Minimum Size: 12"W x 12"HH

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



Options

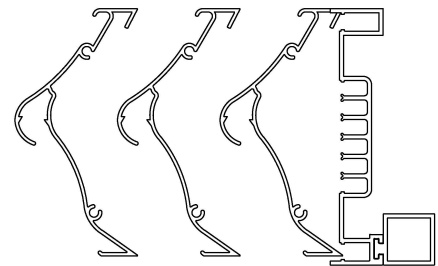
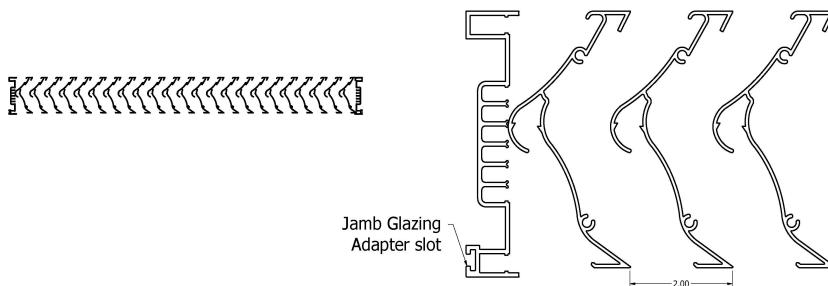
- Flanged Frame (150" 38mm std.)
- Custom Flange (1", 2", or 3")
25mm, 51mm, or 6mm
- Extended Sill
- Insect Bird Screen (other screens available, see screen page)
- Filter Racks (no screen)
- Security Bars
- Blank-off, Alum., non-insulated, no screen, non-removable
- Blank-off, Alum., non-insulated, with bird or insect screen.
- Blank-off, Alum., insulated double wall, with birdscreen.
- Blank-off, Alum., insulated double wall, no screen

Available Finishes

- Baked Enamel
- Kynar
- Prime Coat
- Clear and Color Anodized.

((Anodized color inconsistency is possible))

Air Performance certifies that the 5WDRL-V shown herein is approved to bear the AMCA Listing Label. The rating shown are based on test and procedures performed in accordance with AMCA Publication and comply with the requirements of the AMCA listing label applies to Wind Borne Debris Impact Resistant Louvers and Rain Resistant Louvers



Glazing Adapter Option
(Other glazing adapters available)

*Width and Height dimensions are approximately 1/4" under listed size.

5WDRL-V PERFORMANCE DATA SHEET



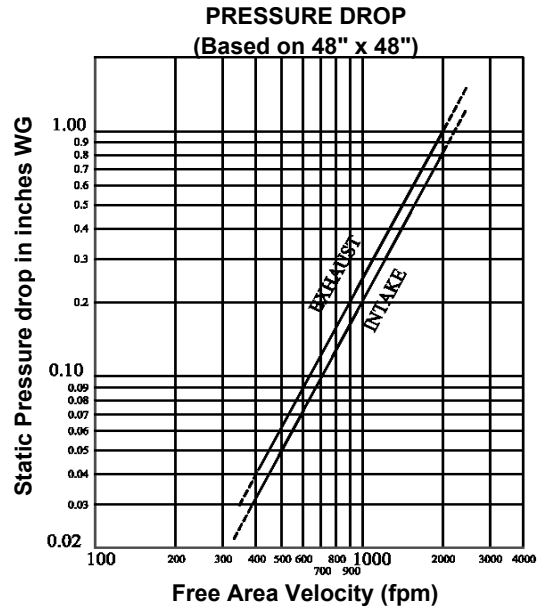
Air Performance certifies that louver shown herein is licensed to bear the AMCA Seal. Ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings seal applies to air performance, water penetration, and wind-driven rain ratings only.

WIND-DRIVEN RAIN PERFORMANCE

Test size is 39.375" x 39.375" Core Area

Wind Velocity (mph)	Rain Fall Rate (in./hr.)	Core Velocity fpm	Airflow cfm	Free Area Velocity fpm	Effectiveness Ratio	Class
29	3	779	8389	1691	100	A
29	3	865	9310	1877	99.9	A
29	3	993	10692	2156	98.2	B
50	8	568	6113	1232	99.3	A
50	8	776	8351	1684	95.9	B

Wind-driven Rain Penetration Classes	
Class	Effectiveness
A	1 to 0.99
B	0.989 to 0.95
C	0.949 to 0.80
D	Below 0.80



FREE AREA CHART (Free Area Chart shows free area in ft²)

LOUVER HEIGHT IN INCHES	LOUVER WIDTH IN INCHES																			
	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	
	4.312	7.55	10.78	14.01	17.25	20.48	23.72	26.95	30.18	33.42	36.65	39.89	43.12	46.35	49.59	52.82	56.06	59.29	62.52	
12	5.75	0.17	0.30	0.43	0.56	0.69	0.82	0.95	1.08	1.21	1.33	1.46	1.59	1.72	1.85	1.98	2.11	2.24	2.37	2.50
18	11.75	0.35	0.62	0.88	1.14	1.41	1.67	1.94	2.20	2.46	2.73	2.99	3.25	3.52	3.78	4.05	4.31	4.57	4.84	5.10
24	17.75	0.53	0.93	1.33	1.73	2.13	2.52	2.92	3.32	3.72	4.12	4.52	4.92	5.32	5.71	6.11	6.51	6.91	7.31	7.71
30	23.75	0.71	1.24	1.78	2.31	2.84	3.38	3.91	4.44	4.98	5.51	6.05	6.58	7.11	7.65	8.18	8.71	9.25	9.78	10.31
36	29.75	0.89	1.56	2.23	2.90	3.56	4.23	4.90	5.57	6.24	6.90	7.57	8.24	8.91	9.58	10.24	10.91	11.58	12.25	12.92
42	35.75	1.07	1.87	2.68	3.48	4.28	5.08	5.89	6.69	7.49	8.30	9.10	9.90	10.71	11.51	12.31	13.11	13.92	14.72	15.52
48	41.75	1.25	2.19	3.13	4.06	5.00	5.94	6.88	7.81	8.75	9.69	10.63	11.56	12.50	13.44	14.38	15.31	16.25	17.19	18.13
54	47.75	1.43	2.50	3.57	4.65	5.72	6.79	7.86	8.94	10.01	11.08	12.15	13.23	14.30	15.37	16.44	17.52	18.59	19.66	20.73
60	53.75	1.61	2.82	4.02	5.23	6.44	7.65	8.85	10.06	11.27	12.47	13.68	14.89	16.10	17.30	18.51	19.72	20.92	22.13	23.34
66	59.75	1.79	3.13	4.47	5.81	7.16	8.50	9.84	11.18	12.52	13.87	15.21	16.55	17.89	19.23	20.58	21.92	23.26	24.60	25.94
72	65.75	1.97	3.45	4.92	6.40	7.88	9.35	10.83	12.31	13.78	15.26	16.74	18.21	19.69	21.17	22.64	24.12	25.60	27.07	28.55
78	71.75	2.15	3.76	5.37	6.98	8.59	10.21	11.82	13.43	15.04	16.65	18.26	19.87	21.49	23.10	24.71	26.32	27.93	29.54	31.15
84	77.75	2.33	4.07	5.82	7.57	9.31	11.06	12.80	14.55	16.30	18.04	19.79	21.54	23.28	25.03	26.77	28.52	30.27	32.01	33.76
90	83.75	2.51	4.39	6.27	8.15	10.03	11.91	13.79	15.67	17.55	19.44	21.32	23.20	25.08	26.96	28.84	30.72	32.60	34.48	36.36
96	89.75	2.69	4.70	6.72	8.73	10.75	12.77	14.78	16.80	18.81	20.83	22.84	24.86	26.88	28.89	30.91	32.92	34.94	36.95	38.97
102	95.75	2.87	5.02	7.17	9.32	11.47	13.62	15.77	17.92	20.07	22.22	24.37	26.52	28.67	30.82	32.97	35.12	37.27	39.42	41.57
108	101.75	3.05	5.33	7.62	9.90	12.19	14.47	16.76	19.04	21.33	23.61	25.90	28.18	30.47	32.75	35.04	37.32	39.61	41.89	44.18
114	107.75	3.23	5.65	8.07	10.49	12.91	15.33	17.75	20.17	22.59	25.01	27.43	29.85	32.27	34.69	37.10	39.52	41.94	44.36	46.78
120	113.75	3.41	5.96	8.52	11.07	13.62	16.18	18.73	21.29	23.84	26.40	28.95	31.51	34.06	36.62	39.17	41.73	44.28	46.83	49.39