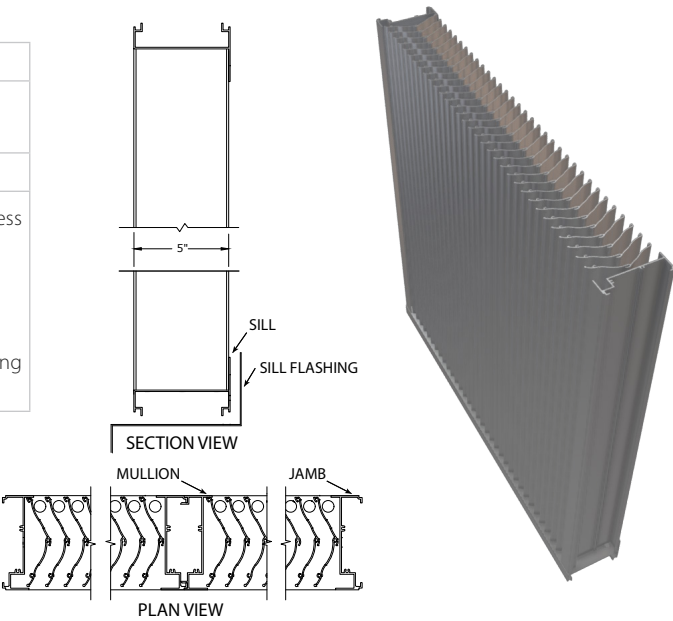


Model RS-5605

5" (127.0 mm) Storm Resistant Fixed Vertical Louvre

Material:

Material:	6063-T6 Alloy
Nominal Thickness:	Heads & Sills: 0.080" (2.03 mm) Jambs & Mullions: 0.125" (3.18 mm)
Nominal Blade Thickness:	0.060" (1.52 mm)
Additional Options (at additional cost):	Birdscreen: 0.5" (12.7 mm) welded stainless steel G304 mesh. Insect screen (in lieu of bird screen), Continuous clip angles for attachment Sheet blank off, Insulated blank off Sill pans, Flange frames, Integrated glazing frames



Test Summary:

For a 4 Foot by 4 Foot Unit (1219mm x 1219mm).

Tested with mill finish and no screen

- Free (throat) area = 9.46 ft² (0.88 m²)
- Percent free (throat) area = 59.2%
- Intake Pressure Drop at 1,000 FPM free (throat) area velocity = 0.10 in H₂O (24.8Pa)
- To maintain a CLASS A (99%) effectiveness rating* with:
 - a 50 mph wind speed and rainfall rate of 8 in/hr
 - Max. intake core velocity 5.0 m/s (984 FPM)
 - Max. intake free (throat) area velocity 7.62 m/s (1500 FPM)

Discharge Coefficient

Intake Cd = 0.53 (Class 1)

AMCA certifies the coefficient class only



Construction Specialties Inc. certifies that the louvre model RS-5605 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 Ratings Seal applies to wind driven rain and air performance ratings.

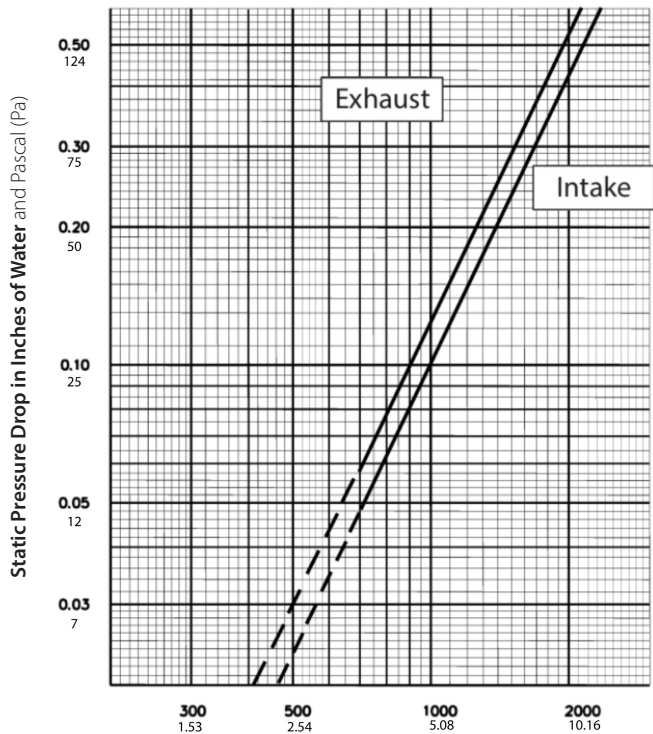
Wind Driven Rain Performance: Tested with 1m² core area, mill finish and no screen*

50 mph (22.3 m/s) & 8" (203 mm) rain per hour

Core Velocity Through Cal. Plate (m/s):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	4.9
Core Velocity Through Louvre (ft/min):	0	98	197	295	394	492	591	689	787	886	984
Free (throat) area Velocity (ft/min):	0	149	300	450	601	750	901	1051	1200	1351	1500
Rating Effectiveness:	A	A	A	A	A	A	A	A	A	A	A
Effectiveness Ratio (%):									100	99.9	99.9
Effectiveness Rating:	A = 1 to 0.99			B = 0.989 to 0.95			C = 0.949 to 0.80			D = Below 0.80	

Model RS-5605

5" (127.0 mm) Storm Resistant Fixed Vertical Louvre



Free Air Velocity in Feet per minute and Metre per Second (m/s)

Data corrected to standard air density.

48" x 48" (121.92cm x 121.92cm) louver tested to figure 5.5.

Free (throat) area Table (Free (throat) area in **sq. feet** and **sq. metres**)

For additional sizes, please visit:

		Width in Inches and Metres							
		18	24	30	36	42	48	54	60
18	0.46	0.93	1.33	1.72	2.12	2.52	2.92	3.31	3.71
	0.46	0.09	0.12	0.16	0.20	0.23	0.27	0.31	0.34
24	0.61	1.34	1.92	2.50	3.07	3.65	4.22	4.80	5.38
	0.61	0.12	0.18	0.23	0.29	0.34	0.39	0.45	0.50
30	0.76	1.76	2.51	3.27	4.02	4.78	5.53	6.29	7.04
	0.76	0.16	0.23	0.30	0.37	0.44	0.51	0.58	0.65
36	0.91	2.18	3.11	4.04	4.97	5.91	6.84	7.77	8.71
	0.91	0.20	0.29	0.38	0.46	0.55	0.64	0.72	0.81
42	1.07	2.59	3.70	4.81	5.93	7.04	8.15	9.26	10.37
	1.07	0.24	0.34	0.45	0.55	0.65	0.76	0.86	0.96
48	1.22	3.01	4.30	5.59	6.88	8.17	9.46	10.75	12.04
	1.22	0.28	0.40	0.52	0.64	0.76	0.88	1.00	1.12
54	1.37	3.42	4.89	6.36	7.83	9.30	10.76	12.23	13.70
	1.37	0.32	0.45	0.59	0.73	0.86	1.00	1.14	1.27
60	1.52	3.84	5.49	7.13	8.78	10.43	12.07	13.72	15.36
	1.52	0.36	0.51	0.66	0.82	0.97	1.12	1.27	1.43
66	1.68	4.26	6.08	7.91	9.73	11.56	13.38	15.21	17.03
	1.68	0.40	0.57	0.73	0.90	1.07	1.24	1.41	1.58
72	1.83	4.67	6.68	8.68	10.68	12.69	14.69	16.69	18.69
	1.83	0.43	0.62	0.81	0.99	1.18	1.36	1.55	1.74
78	1.98	5.09	7.27	9.45	11.63	13.82	16.00	18.18	20.36
	1.98	0.47	0.68	0.88	1.08	1.28	1.49	1.69	1.89
84	2.13	5.51	7.87	10.23	12.59	14.94	17.30	19.66	22.02
	2.13	0.51	0.73	0.95	1.17	1.39	1.61	1.83	2.05
90	2.29	5.71	8.16	10.61	13.06	15.51	17.96	20.41	22.86
	2.29	0.53	0.76	0.99	1.21	1.44	1.67	1.90	2.12
96	2.44	6.13	8.76	11.38	14.01	16.64	19.27	21.89	24.52
	2.44	0.57	0.81	1.06	1.30	1.55	1.79	2.03	2.28
102	2.59	6.55	9.35	12.16	14.96	17.77	20.57	23.38	26.19
	2.59	0.61	0.87	1.13	1.39	1.65	1.91	2.17	2.43
108	2.74	6.96	9.95	12.93	15.91	18.90	21.88	24.87	27.85
	2.74	0.65	0.92	1.20	1.48	1.76	2.03	2.31	2.59
114	2.90	7.38	10.54	13.70	16.87	20.03	23.19	26.35	29.52
	2.90	0.69	0.98	1.27	1.57	1.86	2.15	2.45	2.74
120	3.05	7.79	11.14	14.48	17.82	21.16	24.50	27.84	31.18
	3.05	0.72	1.03	1.34	1.66	1.97	2.28	2.59	2.90
126	3.20	8.21	11.73	15.25	18.77	22.29	25.81	29.33	32.85
	3.20	0.76	1.09	1.42	1.74	2.07	2.40	2.72	3.05
132	3.35	8.63	12.32	16.02	19.72	23.42	27.12	30.81	34.51
	3.35	0.80	1.15	1.49	1.83	2.18	2.52	2.86	3.21
138	3.51	9.04	12.92	16.80	20.67	24.55	28.42	32.30	36.17
	3.51	0.84	1.20	1.56	1.92	2.28	2.64	3.00	3.36
144	3.66	9.46	13.51	17.57	21.62	25.68	29.73	33.79	37.84
	3.66	0.88	1.26	1.63	2.01	2.39	2.76	3.14	3.52
150	3.81	9.88	14.11	18.34	22.57	26.81	31.04	35.27	39.50
	3.81	0.92	1.31	1.70	2.10	2.49	2.88	3.28	3.67
156	3.96	10.29	14.70	19.11	23.53	27.94	32.35	36.76	41.17
	3.96	0.96	1.37	1.78	2.19	2.60	3.01	3.41	3.82
162	4.11	10.71	15.30	19.89	24.48	29.07	33.66	38.24	42.83
	4.11	0.99	1.42	1.85	2.27	2.70	3.13	3.55	3.98
168	4.27	11.12	15.89	20.66	25.43	30.20	34.96	39.73	44.50
	4.27	1.03	1.48	1.92	2.36	2.81	3.25	3.69	4.13
174	4.42	11.53	16.19	21.05	25.90	30.76	35.62	40.47	45.33
	4.42	1.05	1.50	1.96	2.41	2.86	3.31	3.76	4.21
180	4.57	11.75	16.78	21.82	26.85	31.89	36.93	41.96	47.00
	4.57	1.09	1.56	2.03	2.49	2.96	3.43	3.90	4.37
186	4.72	12.16	17.38	22.59	27.81	33.02	38.23	43.45	48.66
	4.72	1.13	1.61	2.10	2.58	3.07	3.55	4.04	4.52
192	4.88	12.58	17.97	23.37	28.76	34.15	39.54	44.93	50.33
	4.88	1.17	1.67	2.17	2.67	3.17	3.67	4.17	4.68
198	5.03	13.00	18.57	24.14	29.71	35.28	40.85	46.42	51.99
	5.03	1.21	1.72	2.24	2.76	3.28	3.80	4.31	4.83

Upper Numerals English Units/Lower Numerals Metric Units