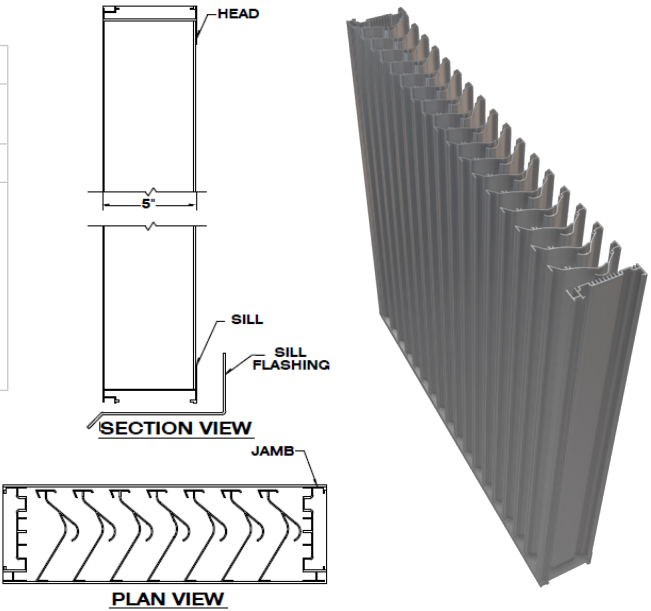


Model RSV-5700
5" (127.0 mm) Storm Resistant Fixed Vertical Louvre

Material:

Material:	6063-T6 Alloy
Nominal Thickness (heads, sills, jambs, & mullions):	0.080" (2.03 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 = 7.32 ft² (0.680 m²)
- Percent free (throat) area = 45.7%
- Intake pressure drop at 1000 FPM free (throat) area velocity = 0.16 in H₂O (38.7 Pa)
- To maintain a CLASS A (99%) effectiveness rating* with:
 - a 29.1 mph wind speed and rainfall rate of 3 in/hr
 - Max. intake core velocity 5.0 m/s (986 FPM)
 - Max. intake free (throat) area velocity 9.9 m/s (1,956 FPM)
- 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 (980 FPM)
 - Max. intake free (throat) area velocity 10.5 m/s (2,064 FPM)



Construction Specialties Inc. certifies that the louvre model RSV-5700 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.



Discharge Coefficient
Intake Cd = 0.33 (Class 2)
AMCA certifies the coefficient class only

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

29.1 mph (13 m/s) & 3" (75 mm) rain per hour

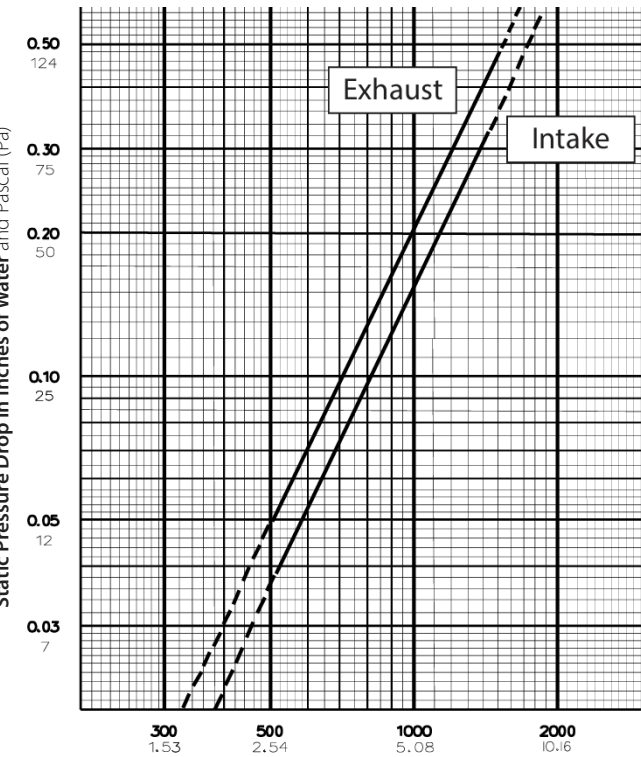
Core Velocity Through Cal. Plate (m/s):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
Core Velocity Through Louvre (ft/min):	0	132	197	287	380	472	587	680	780	874	986
Free (throat) area Velocity (ft/min):	0	278	415	605	800	994	1236	1432	1643	1734	1956
Rating Effectiveness:	A	A	A	A	A	A	A	A	A	A	A
Effectiveness Ratio (%):										100	99.8

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	5.0
Core Velocity Through Louvre (ft/min):	0	132	197	287	380	472	587	680	789	888	980
Free (throat) area Velocity (ft/min):	0	278	415	605	800	994	1236	1432	1662	1871	2064
Rating Effectiveness:	A	A	A	A	A	A	A	A	A	A	A
Effectiveness Ratio (%):									99.8	99.7	99.6
Effectiveness Rating:	A = 1 to 0.99			B = 0.989 to 0.95			C = 0.949 to 0.80			D = Below 0.80	

Model RSV-5700

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) louvre 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	66	72	78	84	90			
18	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52	1.68	1.83	1.98	2.13	2.29			
	0.81	1.15	1.50	1.84	2.19	2.53	2.88	3.23	3.57	3.92	4.26	4.61	4.95			
24	0.46	0.07	0.11	0.14	0.17	0.20	0.24	0.27	0.30	0.33	0.36	0.40	0.43			
	1.11	1.59	2.06	2.54	3.02	3.49	3.97	4.45	4.92	5.40	5.87	6.35	6.83			
30	0.61	0.10	0.15	0.19	0.24	0.28	0.32	0.37	0.41	0.46	0.50	0.55	0.59			
	1.42	2.02	2.63	3.24	3.84	4.45	5.06	5.66	6.27	6.88	7.49	8.09	8.70			
36	0.76	0.13	0.19	0.24	0.30	0.36	0.41	0.47	0.53	0.58	0.64	0.70	0.75			
	1.72	2.46	3.20	3.93	4.67	5.41	6.15	6.88	7.62	8.36	9.10	9.83	10.57			
42	0.91	0.16	0.23	0.30	0.37	0.43	0.50	0.57	0.64	0.71	0.78	0.85	0.91			
	2.03	2.89	3.76	4.63	5.50	6.37	7.23	8.10	8.97	9.84	10.71	11.58	12.44			
48	1.07	0.19	0.27	0.35	0.43	0.51	0.59	0.67	0.75	0.83	0.91	0.99	1.08			
	2.33	3.33	4.33	5.33	6.33	7.32	8.32	9.32	10.32	11.32	12.32	13.32	14.32			
54	1.22	0.22	0.31	0.40	0.49	0.59	0.68	0.77	0.87	0.96	1.05	1.14	1.24			
	2.64	3.76	4.89	6.02	7.15	8.28	9.41	10.54	11.67	12.80	13.93	15.06	16.19			
60	1.37	0.24	0.35	0.45	0.56	0.66	0.77	0.87	0.98	1.08	1.19	1.29	1.40			
	2.94	4.20	5.46	6.72	7.98	9.24	10.50	11.76	13.02	14.28	15.54	16.80	18.06			
66	1.52	0.27	0.39	0.51	0.62	0.74	0.86	0.98	1.09	1.21	1.33	1.44	1.56			
	3.25	4.64	6.03	7.42	8.81	10.20	11.59	12.98	14.37	15.76	17.15	18.54	19.93			
72	1.68	0.30	0.43	0.56	0.69	0.82	0.95	1.08	1.21	1.34	1.46	1.59	1.72			
	3.55	5.07	6.59	8.11	9.64	11.16	12.68	14.20	15.72	17.24	18.76	20.29	21.81			
78	1.83	0.33	0.47	0.61	0.75	0.90	1.04	1.18	1.32	1.46	1.60	1.74	1.88			
	3.85	5.51	7.16	8.81	10.46	12.11	13.77	15.42	17.07	18.72	20.37	22.03	23.68			
84	1.98	0.36	0.51	0.67	0.82	0.97	1.13	1.28	1.43	1.59	1.74	1.89	2.05			
	4.16	5.94	7.72	9.51	11.29	13.07	14.86	16.64	18.42	20.20	21.99	23.77	25.55			
90	2.13	0.39	0.55	0.72	0.88	1.05	1.21	1.38	1.55	1.71	1.88	2.04	2.21			
	4.46	6.38	8.29	10.20	12.12	14.03	15.94	17.86	19.77	21.68	23.60	25.51	27.42			
96	2.29	0.41	0.59	0.77	0.95	1.13	1.30	1.48	1.66	1.84	2.01	2.19	2.37			
	4.77	6.81	8.86	10.90	12.94	14.99	17.03	19.08	21.12	23.16	25.21	27.25	29.30			
102	2.44	0.44	0.63	0.82	1.01	1.20	1.39	1.58	1.77	1.96	2.15	2.34	2.53			
	5.07	7.25	9.42	11.60	13.77	15.95	18.12	20.30	22.47	24.65	26.82	28.99	31.17			
108	2.59	0.47	0.67	0.88	1.08	1.28	1.48	1.68	1.89	2.09	2.29	2.49	2.69			
	5.38	7.68	9.99	12.29	14.60	16.90	19.21	21.52	23.82	26.13	28.43	30.74	33.04			
114	2.74	0.50	0.71	0.93	1.14	1.36	1.57	1.78	2.00	2.21	2.43	2.64	2.86			
	5.68	8.12	10.56	12.99	15.43	17.86	20.30	22.73	25.17	27.61	30.04	32.48	34.91			
120	2.90	0.53	0.75	0.98	1.21	1.43	1.66	1.89	2.11	2.34	2.56	2.79	3.02			
	5.99	8.55	11.12	13.69	16.25	18.82	21.39	23.95	26.52	29.09	31.65	34.22	36.79			
126	3.05	0.56	0.79	1.03	1.27	1.51	1.75	1.99	2.23	2.46	2.70	2.94	3.18			
	6.19	8.85	11.50	14.16	16.81	19.47	22.12	24.77	27.43	30.08	32.74	35.39	38.05			
132	3.20	0.58	0.82	1.07	1.32	1.56	1.81	2.05	2.30	2.55	2.79	3.04	3.29			
	6.50	9.28	12.07	14.85	17.64	20.42	23.21	25.99	28.78	31.56	34.35	37.13	39.92			
138	3.35	0.60	0.86	1.12	1.38	1.64	1.90	2.16	2.41	2.67	2.93	3.19	3.45			
	6.80	9.72	12.63	15.55	18.47	21.38	24.30	27.21	30.13	33.04	35.96	38.88	41.79			
144	3.51	0.63	0.90	1.17	1.44	1.72	1.99	2.26	2.53	2.80	3.07	3.34	3.61			
	7.11	10.15	13.20	16.25	19.29	22.34	25.39	28.43	31.48	34.52	37.57	40.62	43.66			
	3.66	0.66	0.94	1.23	1.51	1.79	2.08	2.36	2.64	2.92	3.21	3.49	3.77			

Upper Numerals English Units/Lower Numerals Metric Units