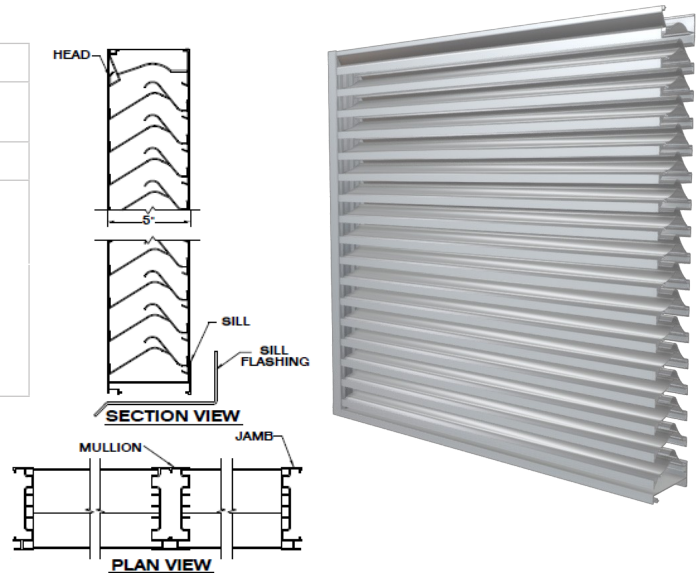


Model RSH-5700
5" (127.0 mm) Storm Resistant Fixed Horizontal Louvre

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: 12.7 mm welded stainless steel G304 mesh, 1 mm diameter wire. 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.

Tested with mill finish and no screen

- Free area = 7.32 ft² (0.681 m²)
- Percent free area = 45.8%
- Free area velocity at the point of beginning water penetration (@ 0.01oz. / ft² (3.18 mL/m²) of free area based on a 15 minute interval test) = 1,250 FPM (6.35 m/s)
- 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 4.0 m/s (763 FPM)
 - Max. intake free area velocity 7.7 m/s (1,514 FPM)
- To maintain a CLASS B (95%) effectiveness rating* with:
 - a 50 mph wind speed and rainfall rate of 8 in/hr
 - Max. intake core velocity 4.0 m/s (788 FPM)
 - Max. intake free area velocity 7.9 m/s (1,563 FPM)



Construction Specialties Australia Pty Ltd certifies louvre model RSH-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 ratings, Water Penetration Ratings and Air Performance ratings.

Discharge Coefficient

Intake Cd = 0.32 (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	585	688	763	883	989
Free Area Velocity (ft/min):	0	262	391	570	754	937	1161	1365	1514	1752	1966
Rating Effectiveness:	A	A	A	A	A	A	A	A	A	B	C
Effectiveness Ratio (%):							99.9	99.5	99.4	98.1	94.9

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

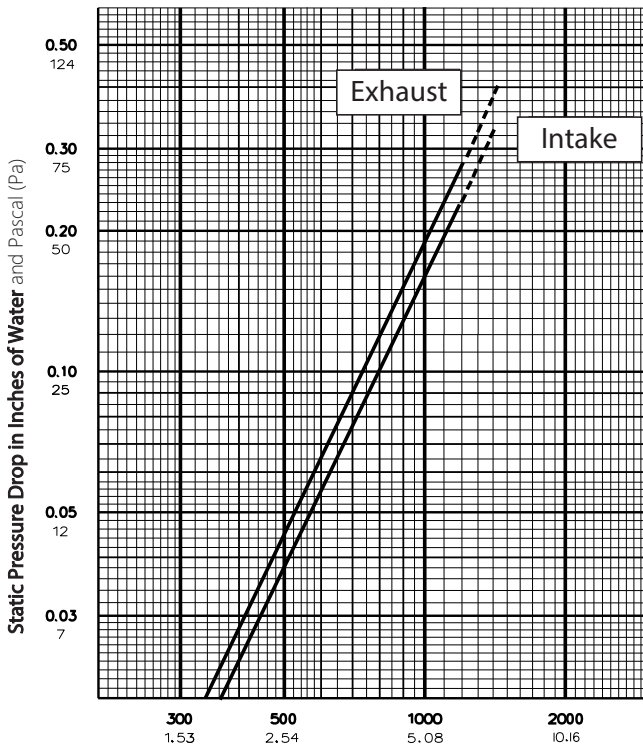
Core Velocity Through Cal. Plate (m/s):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
Core Velocity Through Louvre (ft/min):	0	100	177	285	397	479	565	687	788	876	944
Free Area Velocity (ft/min):	0	198	351	565	788	950	1121	1363	1563	1738	1873
Rating Effectiveness:	A	A	A	A	B	B	B	B	B	C	C
Effectiveness Ratio (%):		99.4	99.3	99.2	98.9	98.6	98.2	97.3	96	92.9	87.9
Effectiveness Rating:	A = 1 to 0.99			B = 0.989 to 0.95			C = 0.949 to 0.80			D = Below 0.80	

PRODUCT DATA SHEET

Model RSH-5700
5" (127.0 mm) Storm Resistant Fixed Horizontal Louvre

Water Penetration Statement

AMCA defines the point of beginning water penetration as the free area velocity at which the AMCA water test has yielded 0.01 or less ounces of water per square foot of louvre free area during a 15-minute test period.



Free Area Velocity in Feet per Minute and Metre per Second (m/s)

Data corrected to standard air density.
 48" x 48" (1219 mm x 1219 mm) louvre tested to figure 5.5.

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

For additional sizes, please visit:
<https://www.c-sgroup.com/architectural-louvers/louvers-airflow-tool>

Width in Inches and Metres

	18	24	30	36	42	48	54	60	66	72	78	84	90
	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
18	0.81	1.11	1.42	1.72	2.03	2.33	2.64	2.94	3.25	3.55	3.85	4.16	4.36
24	0.46	0.07	0.10	0.13	0.16	0.19	0.22	0.24	0.27	0.30	0.33	0.36	0.39
30	1.50	2.06	2.63	3.20	3.76	4.33	4.89	5.46	6.03	6.59	7.16	7.72	8.11
36	1.84	2.54	3.24	3.93	4.63	5.33	6.02	6.72	7.42	8.11	8.81	9.51	9.98
42	2.19	3.02	3.84	4.67	5.50	6.33	7.15	7.98	8.81	9.64	10.46	11.29	11.85
48	2.53	3.49	4.45	5.41	6.37	7.32	8.28	9.24	10.20	11.16	12.11	13.07	13.72
54	2.88	3.97	5.06	6.15	7.23	8.32	9.41	10.50	11.59	12.68	13.77	14.86	15.59
60	3.23	4.45	5.66	6.88	8.10	9.32	10.54	11.76	12.98	14.20	15.42	16.64	17.46
66	3.57	4.92	6.27	7.62	8.97	10.32	11.67	13.02	14.37	15.72	17.07	18.42	19.33
72	3.92	5.40	6.88	8.36	9.84	11.32	12.80	14.28	15.76	17.24	18.72	20.20	21.20
78	4.26	5.87	7.49	9.10	10.71	12.32	13.93	15.54	17.15	18.76	20.37	21.99	23.07
84	4.61	6.35	8.09	9.83	11.58	13.32	15.06	16.80	18.54	20.29	22.03	23.77	24.94
90	4.95	6.83	8.70	10.57	12.44	14.32	16.19	18.06	19.93	21.81	23.68	25.55	26.81
96	5.30	7.30	9.31	11.31	13.31	15.32	17.32	19.32	21.32	23.33	25.33	27.33	28.68
102	5.65	7.78	9.91	12.05	14.18	16.31	18.45	20.58	22.72	24.85	26.98	29.12	30.55
108	5.99	8.26	10.52	12.78	15.05	17.31	19.58	21.84	24.11	26.37	28.64	30.90	32.42
114	6.34	8.73	11.13	13.52	15.92	18.31	20.71	23.10	25.50	27.89	30.29	32.68	34.29
120	6.68	9.21	11.73	14.26	16.79	19.31	21.84	24.36	26.87	29.41	31.94	34.46	36.16
126	7.03	9.68	12.34	15.00	17.65	20.31	22.97	25.62	28.28	30.93	33.59	36.25	38.03
132	7.37	10.16	12.95	15.73	18.52	21.31	24.10	26.88	29.67	32.46	35.24	38.03	39.91
138	7.72	10.64	13.55	16.47	19.39	22.31	25.22	28.14	31.06	33.98	36.90	39.81	41.78
144	8.07	11.11	14.16	17.21	20.26	23.31	26.35	29.40	32.45	35.50	38.55	41.60	43.65
150	8.41	11.59	14.77	17.95	21.13	24.30	27.48	30.66	33.84	37.02	40.20	43.38	45.52
156	8.76	12.07	15.38	18.68	21.99	25.30	28.61	31.92	35.23	38.54	41.85	45.16	47.39
162	9.10	12.54	15.98	19.42	22.86	26.30	29.74	33.18	36.62	40.06	43.50	46.94	49.26
168	9.45	13.02	16.59	20.16	23.73	27.30	30.87	34.44	38.01	41.58	45.16	48.73	51.13
174	9.79	13.49	17.20	20.90	24.60	28.30	32.00	35.70	39.40	43.11	46.81	50.51	53.00
180	10.14	13.97	17.80	21.64	25.47	29.30	33.13	36.96	40.80	44.63	48.46	52.29	54.87
186	10.48	14.45	18.41	22.37	26.34	30.30	34.26	38.22	42.19	46.15	50.11	54.07	56.74
192	10.83	14.92	19.02	23.11	27.20	31.30	35.39	39.48	43.58	47.67	51.76	55.86	58.61
198	11.18	15.40	19.62	23.85	28.07	32.30	36.52	40.74	44.97	49.19	53.42	57.64	60.48
204	11.53	15.88	20.23	24.60	28.94	33.20	37.65	41.99	46.21	50.43	54.66	58.89	61.82
210	11.88	16.36	20.84	25.34	29.81	34.10	38.76	43.24	47.45	51.66	55.87	60.08	62.95
216	12.23	16.84	21.45	26.08	30.68	35.00	39.87	44.49	48.66	52.87	57.08	61.29	64.02
222	12.58	17.32	22.06	26.82	31.55	35.80	40.98	45.74	49.87	54.08	58.29	62.50	65.15
228	12.93	17.80	22.67	27.56	32.42	36.60	42.09	46.99	51.08	55.29	59.50	63.71	66.28
234	13.28	18.28	23.28	28.30	33.29	37.40	43.20	48.24	52.29	56.49	60.71	64.92	67.41
240	13.63	18.76	23.89	29.04	34.16	38.20	44.31	49.49	53.49	57.69	61.92	66.03	68.54
246	13.98	19.24	24.50	29.78	35.03	39.00	45.42	50.74	54.69	58.89	63.13	67.14	69.67
252	14.33	19.72	25.11	30.52	35.90	39.80	46.53	51.99	55.89	59.99	64.34	68.25	70.80
258	14.68	20.20	25.72	31.26	36.77	40.60	47.64	53.24	57.09	61.19	65.45	69.36	71.93
264	15.03	20.68	26.33	32.00	37.64	41.40	48.75	54.49	58.29	62.39	66.56	70.47	73.06
270	15.38	21.16	26.94	32.74	38.51	42.20	49.86	55.74	59.49	63.59	67.67	71.58	74.19
276	15.73	21.64	27.55	33.48	39.38	43.00	50.97	56.99	60.69	64.79	68.78	72.69	75.30
282	16.08	22.12	28.16	34.22	40.25	43.80	52.08	58.24	61.89	65.99	69.89	73.80	76.41
288	16.43	22.60	28.77	34.96	41.12	44.60	53.19	59.49	63.09	67.09	71.00	74.91	77.52
294	16.78	23.08	29.38	35.70	42.00	45.40	54.30	60.74	64.29	68.19	72.11	76.02	78.63
300	17.13	23.56	29.99	36.44	42.87	46.20	55.41	61.99	65.49	69.29	73.22	77.13	79.74
306	17.48	24.04	30.60	37.18	43.74	47.00	56.52	63.24	66.69	70.39	74.33	78.24	80.85
312	17.83	24.52	31.21	37.92	44.61	47.80	57.63	64.49	67.89	71.49	75.44	79.35	81.96
318	18.18	25.00	31.82	38.66	45.48	48.60	58.74	65.74	69.09	72.59	76.55	80.46	83.07
324	18.53	25.48	32.43	39.40	46.35	49.40	59.85	66.99	70.29	73.69	77.66	81.57	84.18
330	18.88	25.96	33.04	40.14	47.22	50.20	60.96	68.24	71.49	74.79	78.77	82.68	85.29
336	19.23	26.44	33.65	40.88	48.09	51.00	62.07	69.49	72.69	75.89	79.88	83.79	86.40
342	19.58	26.92	34.26	41.62	48.96	51.80	63.18	70.74	73.89	77.09	80.99	84.90	87.51
348	19.93	27.40	34.87	42.36	49.83	52.60	64.29	71.99	75.09	78.19	82.10	86.01	88.62
354	20.28	27.88	35.48	43.10	50.70	53.40	65.40	73.24	76.29	79.29	83.21	87.12	89.73
360	20.63	28.36	36.09	43.84	51.57	54.20	66.51	74.49	77.49	80.49	84.32	88.23	90.84
366	20.98	28.84	36.70	44.58	52.44	55.00	67.62	75.74	78.69	81.59	85.43	89.34	91.95
372	21.33	29.32	37.31	45.32	53.31	55.80	68.73	76.99	79.89	82.69	86.54	90.45	93.06
378	21.68	29.80	37.92	46.06	54.18	56.60	69.84	78.24	81.09	83.79	87.65	91.56	94.17
384	22.03	30.28	38.53	46.80	55.05	57.40	70.95	79.49	82.29	84.89	88.76	92.67	95.28
390	22.38	30.76	39.14	47.54	55.92	58.20	72.06	80.74	83.49	85.99	89.87	93.78	96.39
396	22.73	31.24	39.75	48.28	56.79	59.00	73.17	81.99	84.69	87.09	90.98	94.89	97.50
402	23.08	31.72	40.36	49.02	57.66	59.80	74.28	83.24	85.89	88.19	92.09	96.00	98.61
408	23.43	32.20	40.97	49.76	58.53	60.60	75.39	84.49	87.09	89.29	93.20	97.11	99.72
414	23.78	32.68	41.58	50.50	59.40	61.40	76.50	85.74	88.29	90.39	94.31	98.22	100.83
420	24.13	33.16	42.19	51.24	60.27	62.20	77.61	86.99	89.49	91.49	95.42	99.33	101.94
426	24.48	33.64	42.80	52.00	61.14	63.00	78.72	88.24	90.69	92.59	96.53	100.44	103.05
432	24.83	34.12	43.41	52.74	62.01	63.80	79.83	89.49	91.89	93.69	97.64	101.55	104.16
438	25.18	34.60	44.02	53.48	62.88	64.60	80.94	90.74	93.09	94.79	98.75	102.66	105.27
444													