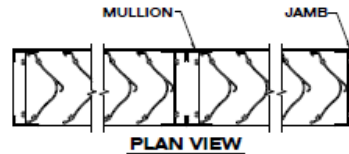
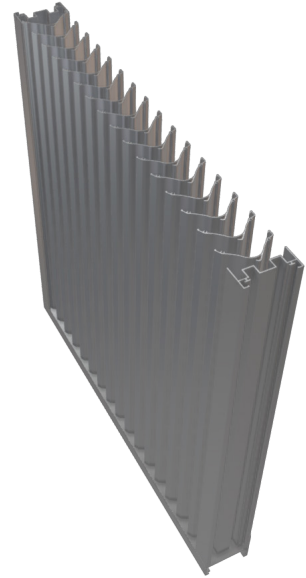
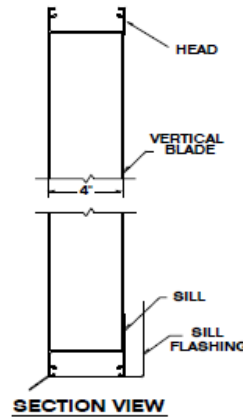


**Model RS-4605**  
**4"(101.6 mm) Storm Resistant Fixed Vertical Louver**

**Material:**

Material:	6063-T6 Alloy
Nominal Thickness (heads, sills, jamba, & mullions):	0.080" (2.03 mm)
Nominal Blade Thickness:	0.060" (1.52 mm)
Furnished With:	Birdscreen: 1/2" intercrimp aluminum mesh, 0.063" diameter wire removeable aluminum bird screen in an aluminum frame
Additional Options (at additional cost):	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 = 8.53 ft<sup>2</sup> (0.79 m<sup>2</sup>)
- Percent free area = 53.3%
- Intake Pressure Drop at 900 FPM free area velocity = 0.25 in H<sub>2</sub>O (62.6 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 4.0 m/s (781 FPM)
    - Max. intake free area velocity 6.86 m/s (1,315 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 3.5 m/s (677 FPM)
    - Max. intake free area velocity 5.8 m/s (1140 FPM)



**Construction Specialties Inc. certifies that the louver model RS-4605 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 = 0.27 (Class 3)

AMCA certifies the coefficient class only

**Wind Driven Rain Performance: Tested with 1m<sup>2</sup> core area, mill finish and no screen\***

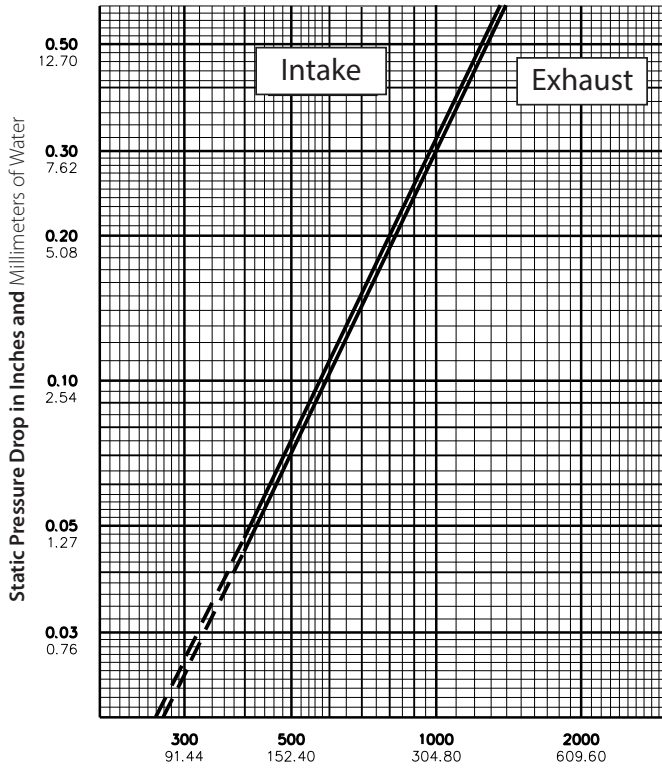
29.1 mph (13 m/s) & 3" (75 mm) rain per hour

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 Louver (ft/min):	0	132	197	287	380	472	587	680	781	860	995
Free Area Velocity (ft/min):	0	222	332	483	640	795	988	1145	1315	1448	1675
Rating Effectiveness:	A	A	A	A	A	A	A	A	A	B	B
Effectiveness Ratio (%):							99.8	99.8	99.6	98.5	96.1

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 Louver (ft/min):	0	96	194	284	400	492	571	677	779	884	965
Free Area Velocity (ft/min):	0	162	327	478	673	828	961	1140	1311	1488	1624
Rating Effectiveness:	A	A	A	A	A	A	A	A	B	B	B
Effectiveness Ratio (%):						99.3	99.2	99.0	98.7	98.3	97.4
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-4605**  
**4"(101.6 mm) Storm Resistant Fixed Vertical Louver**



**Air Velocity in Feet and Meters per Minute Through Free Area**

Data corrected to standard air density.  
 48" x 48" louver tested to figure 5.5.

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

For additional sizes, please visit:

<https://www.c-sgroup.com/architectural-louvers/louvers-airflow-tool>

	Width in Inches and Meters							
	18	24	30	36	42	48	54	60
18	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52
24	0.82	1.17	1.53	1.88	2.24	2.60	2.95	3.31
30	1.19	1.71	2.23	2.75	3.26	3.78	4.30	4.82
36	1.56	2.24	2.93	3.61	4.29	4.97	5.65	6.33
42	1.94	2.78	3.62	4.47	5.31	6.15	7.00	7.84
48	2.31	3.32	4.32	5.33	6.33	7.34	8.35	9.35
54	2.68	3.85	5.02	6.19	7.36	8.53	9.70	10.86
60	3.06	4.39	5.72	7.05	8.38	9.71	11.05	12.38
66	3.43	4.92	6.42	7.91	9.41	10.90	12.39	13.89
72	3.80	5.46	7.12	8.77	10.43	12.09	13.74	15.40
78	4.18	6.00	7.82	9.63	11.45	13.27	15.09	16.91
84	4.55	6.53	8.51	10.50	12.48	14.46	16.44	18.42
90	4.92	7.07	9.21	11.36	13.50	15.65	17.79	19.93
96	5.29	7.61	9.95	12.25	14.91	17.28	19.64	22.01
102	5.66	8.14	10.71	13.14	15.93	18.46	20.99	23.52
108	6.03	8.68	11.47	14.03	16.96	19.65	22.34	25.04
114	6.40	9.21	12.23	14.92	17.98	20.84	23.69	26.55
120	6.77	9.75	12.99	15.81	18.99	22.02	25.04	28.06
126	7.14	10.28	13.75	16.70	20.00	23.21	26.39	29.57
132	7.51	10.81	14.51	17.59	21.01	24.40	27.74	31.08
138	7.88	11.34	15.27	18.48	22.02	25.58	29.09	32.59
144	8.25	11.87	16.03	19.37	23.03	26.77	30.44	34.11
150	8.62	12.40	16.79	20.26	24.04	27.95	31.79	35.62
156	8.99	12.93	17.55	21.15	25.05	29.14	33.14	37.13
162	9.36	13.46	18.31	22.04	26.06	30.33	34.48	38.64
168	9.73	13.99	19.07	22.93	27.07	31.51	35.83	40.15
174	10.10	14.52	19.83	23.82	28.08	32.70	37.18	41.66
180	10.47	15.05	20.59	24.71	29.09	33.89	38.53	43.17
186	10.84	15.58	21.35	25.60	30.10	35.08	39.88	44.68
192	11.21	16.11	22.11	26.49	31.11	36.27	41.23	46.19
198	11.58	16.64	22.87	27.38	32.12	37.46	42.58	47.70
204	11.95	17.17	23.63	28.27	33.13	38.65	43.93	49.21
210	12.32	17.70	24.39	29.16	34.14	39.84	45.28	50.72
216	12.69	18.23	25.15	30.05	35.15	41.03	46.63	52.23
222	13.06	18.76	25.91	30.94	36.16	42.22	47.98	53.74
228	13.43	19.29	26.67	31.83	37.17	43.41	49.33	55.25
234	13.80	19.82	27.43	32.72	38.18	44.60	50.68	56.76
240	14.17	20.35	28.19	33.61	39.19	45.79	52.03	58.27
246	14.54	20.88	28.95	34.50	40.20	46.98	53.38	59.78
252	14.91	21.41	29.71	35.39	41.21	48.17	54.73	61.29
258	15.28	21.94	30.47	36.28	42.22	49.36	56.08	62.80
264	15.65	22.47	31.23	37.17	43.23	50.55	57.43	64.31
270	16.02	23.00	31.99	38.06	44.24	51.74	58.78	65.82
276	16.39	23.53	32.75	38.95	45.25	52.93	60.13	67.33
282	16.76	24.06	33.51	39.84	46.26	54.12	61.48	68.84
288	17.13	24.59	34.27	40.73	47.27	55.31	62.83	70.35
294	17.50	25.12	35.03	41.62	48.28	56.50	64.18	71.86
300	17.87	25.65	35.79	42.51	49.29	57.69	65.53	73.37
306	18.24	26.18	36.55	43.40	50.30	58.88	66.88	74.88
312	18.61	26.71	37.31	44.29	51.31	60.07	68.23	76.39
318	18.98	27.24	38.07	45.18	52.32	61.26	69.58	77.90
324	19.35	27.77	38.83	46.07	53.33	62.45	70.93	79.41
330	19.72	28.30	39.59	46.96	54.34	63.64	72.28	80.92
336	20.09	28.83	40.35	47.85	55.35	64.83	73.63	82.43
342	20.46	29.36	41.11	48.74	56.36	66.02	74.98	83.94
348	20.83	29.89	41.87	49.63	57.37	67.21	76.33	85.45
354	21.20	30.42	42.63	50.52	58.38	68.40	77.68	86.96
360	21.57	30.95	43.39	51.41	59.39	69.59	79.03	88.47
366	21.94	31.48	44.15	52.30	60.40	70.78	80.38	89.98
372	22.31	32.01	44.91	53.19	61.41	71.97	81.73	91.49
378	22.68	32.54	45.67	54.08	62.42	73.16	83.08	93.00
384	23.05	33.07	46.43	54.97	63.43	74.35	84.43	94.51
390	23.42	33.60	47.19	55.86	64.44	75.54	85.78	96.02
396	23.79	34.13	47.95	56.75	65.45	76.73	87.13	97.53
402	24.16	34.66	48.71	57.64	66.46	77.92	88.48	99.04
408	24.53	35.19	49.47	58.53	67.47	79.11	89.83	100.55
414	24.90	35.72	50.23	59.42	68.48	80.30	91.18	102.06
420	25.27	36.25	50.99	60.31	69.49	81.49	92.53	103.57
426	25.64	36.78	51.75	61.20	70.50	82.68	93.88	105.08
432	26.01	37.31	52.51	62.09	71.51	83.87	95.23	106.59
438	26.38	37.84	53.27	62.98	72.52	85.06	96.58	108.10
444	26.75	38.37	54.03	63.87	73.53	86.25	97.93	109.61
450	27.12	38.90	54.79	64.76	74.54	87.44	99.28	111.12
456	27.49	39.43	55.55	65.65	75.55	88.63	100.63	112.63
462	27.86	39.96	56.31	66.54	76.56	89.82	101.98	114.14
468	28.23	40.49	57.07	67.43	77.57	91.01	103.33	115.65
474	28.60	41.02	57.83	68.32	78.58	92.20	104.68	117.16
480	28.97	41.55	58.59	69.21	79.59	93.39	106.03	118.67
486	29.34	42.08	59.35	70.10	80.60	94.58	107.38	120.18
492	29.71	42.61	60.11	70.99	81.61	95.77	108.73	121.69
498	30.08	43.14	60.87	71.88	82.62	96.96	110.08	123.20
504	30.45	43.67	61.63	72.77	83.63	98.15	111.43	124.71
510	30.82	44.20	62.39	73.66	84.64	99.34	112.78	126.22
516	31.19	44.73	63.15	74.55	85.65	100.53	114.13	127.73
522	31.56	45.26	63.91	75.44	86.66	101.72	115.48	129.24
528	31.93	45.79	64.67	76.33	87.67	102.91	116.83	130.75
534	32.30	46.32	65.43	77.22	88.68	104.10	118.18	132.26
540	32.67	46.85	66.19	78.11	89.69	105.29	119.53	133.77
546	33.04	47.38	66.95	79.00	90.70	106.48	120.88	135.28
552	33.41	47.91	67.71	79.89	91.71	107.67	122.23	136.79
558	33.78	48.44	68.47	80.78	92.72	108.86	123.58	138.30
564	34.15	48.97	69.23	81.67	93.73	110.05	124.93	139.81
570	34.52	49.50	69.99	82.56	94.74	111.24	126.28	141.32
576	34.89	50.03	70.75	83.45	95.75	112.43	127.63	142.83
582	35.26	50.56	71.51	84.34	96.76	113.62	128.98	144.34
588	35.63	51.09	72.27	85.23	97.77	114.81	130.33	145.85
594	36.00	51.62	73.03	86.12	98.78	116.00	131.68	147.36
600	36.37	52.15	73.79	87.01	99.79	117.19	133.03	148.87

Upper Numerals English Units/Lower Numerals Metric Units