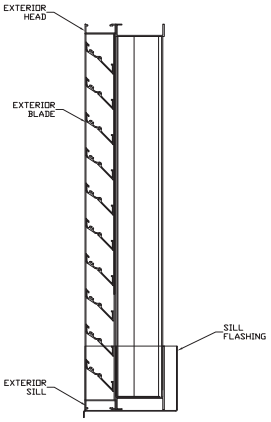
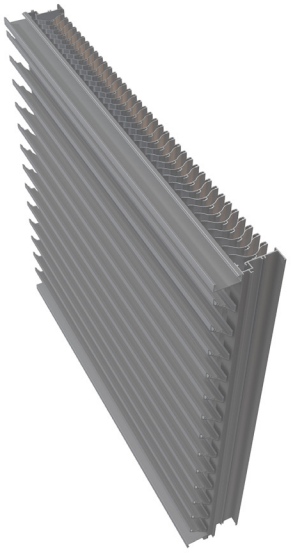
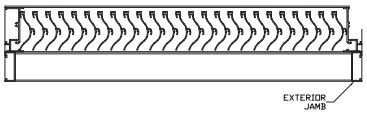
Model RS-5225
5 ⅜" (136.5 mm) Storm Resistant Fixed Horizontal Louver

Material:

Material:	6063-T6 Alloy
Nominal Thickness (heads, sills, jambs, & mullions):	Interior Louver: 0.080" (2.03 mm) Exterior Louver: 0.060" (1.52 mm)
Nominal Blade Thickness:	Interior Louver: 0.050" (1.27mm) Exterior Louver: 0.060" (1.52 mm)
Furnished With:	Birdscreen: ½" 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 *and 1m² core area*

- Free area = 8.03 ft² (0.75 m²)
- Percent free area = 50%
- Intake pressure drop at 1000 FPM free area velocity = 0.31 in H20 (77.0 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 (991 FPM)
    - Max. intake free area velocity 9.6 m/s (1888 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 (991 FPM)
    - Max. intake free area velocity 9.6 m/s (1888 FPM)

Discharge Coefficient
Intake Cd = 0.24 (Class 3)
AMCA certifies the coefficient class only

Construction Specialties Inc. certifies that the louver model RS-5225 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.

amca CERTIFIED RATINGS — AIR PERFORMANCE — WIND DRIVEN RAIN — AIR MOVEMENT AND CONTROL ASSOCIATION INTERNATIONAL, INC. — www.amca.org

amca INTERNATIONAL LISTED — HIGH VELOCITY RAIN RESISTANT WITH BLADES FULLY OPEN — See www.AMCA.org for all certified or listed products — This label does not signify AMCA airflow performance certification.

Application and Design
RS-5225 is tested in accordance with AMCA 500-L for Air Performance, and Wind Driven Rain. RS-5225 is tested in accordance with AMCA 550 Test Method for High Velocity Wind Driven Rain Resistant Louvers.

Construction Specialties Inc. certifies that the louver model RS-5225 shown herein is licensed to bear the AMCA Listing Label. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications and comply with the requirements of the AMCA Listing Label Program. The AMCA Listing Label applies to High Velocity Wind Driven Rain Resistant Louvers in the fully open position that permits airflow through the louver.

Model RS-5225
5 ⅜" (136.5 mm) Storm Resistant Fixed Horizontal Louver

Wind Driven Rain Performance:

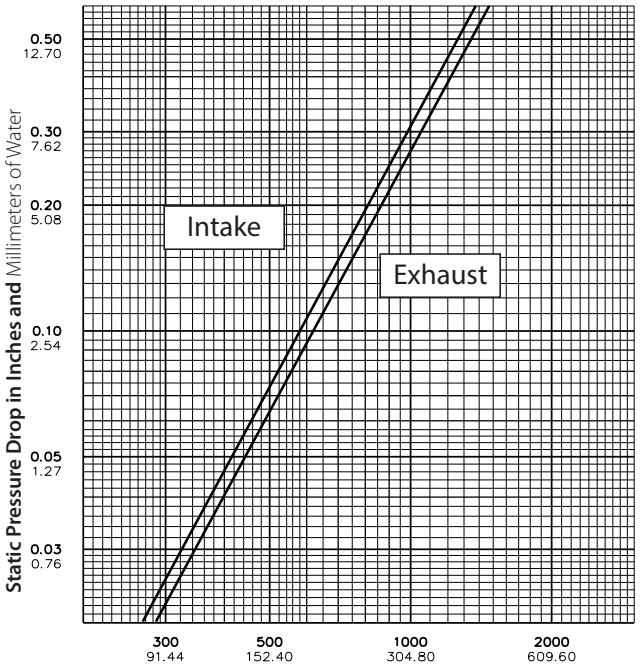
29.1 mph (13 m/s) & 3" (75 mm) rain per hour

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	98	197	295	393	492	591	689	787	885	991
Free Area Velocity (ft/min):	0	187	375	562	749	937	1124	1311	1499	1686	1888
Rating Effectiveness:	A	A	A	A	A	A	A	A	A	A	A
Effectiveness Ratio (%):											100

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	197	288	396	482	588	691	801	892	991
Free Area Velocity (ft/min):	0	183	375	549	754	918	1120	1316	1526	1699	1888
Rating Effectiveness:	A	A	A	A	A	A	A	A	A	A	A
Effectiveness Ratio (%):									99.8	99.8	99.5

Effectiveness Rating:	A = 1 to 0.99	B = 0.989 to 0.95	C = 0.949 to 0.80	D = Below 0.80



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

Height in Inches and Meters	18	24	30	36	42	48	54	60	66	72
	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52	1.68	1.83
18	**0.81**	**1.11**	**1.40**	**1.69**	**1.99**	**2.28**	**2.48**	**2.77**	**3.06**	**3.36**
0	0.08	0.10	0.13	0.16	0.18	0.21	0.23	0.26	0.28	0.31
24	**1.20**	**1.63**	**2.06**	**2.49**	**2.92**	**3.35**	**3.64**	**4.07**	**4.51**	**4.94**
0.61	0.11	0.15	0.19	0.23	0.27	0.31	0.34	0.38	0.42	0.46
30	**1.61**	**2.19**	**2.77**	**3.35**	**3.93**	**4.52**	**4.90**	**5.48**	**6.06**	**6.65**
0.76	0.15	0.20	0.26	0.31	0.37	0.42	0.46	0.51	0.56	0.62
36	**2.07**	**2.81**	**3.56**	**4.31**	**5.05**	**5.80**	**6.29**	**7.04**	**7.79**	**8.53**
0.91	0.19	0.26	0.33	0.40	0.47	0.54	0.58	0.65	0.72	0.79
42	**2.41**	**3.27**	**4.14**	**5.01**	**5.88**	**6.75**	**7.33**	**8.20**	**9.07**	**9.93**
1.07	0.22	0.30	0.38	0.47	0.55	0.63	0.68	0.76	0.84	0.92
48	**2.86**	**3.90**	**4.93**	**5.96**	**7.00**	**8.03**	**8.72**	**9.75**	**10.79**	**11.82**
1.22	0.27	0.36	0.46	0.55	0.65	0.75	0.81	0.91	1.00	1.10
54	**3.25**	**4.42**	**5.59**	**6.76**	**7.93**	**9.10**	**9.89**	**11.06**	**12.23**	**13.40**
1.37	0.30	0.41	0.52	0.63	0.74	0.85	0.92	1.03	1.14	1.24
60	**3.66**	**4.98**	**6.30**	**7.62**	**8.94**	**10.27**	**11.15**	**12.47**	**13.79**	**15.11**
1.52	0.34	0.46	0.59	0.71	0.83	0.95	1.04	1.16	1.28	1.40
66	**4.12**	**5.60**	**7.09**	**8.58**	**10.06**	**11.55**	**12.54**	**14.02**	**15.51**	**17.00**
1.68	0.38	0.52	0.66	0.80	0.93	1.07	1.16	1.30	1.44	1.58
72	**4.46**	**6.07**	**7.67**	**9.28**	**10.89**	**12.50**	**13.57**	**15.18**	**16.79**	**18.40**
1.83	0.41	0.56	0.71	0.86	1.01	1.16	1.26	1.41	1.56	1.71
78	**4.91**	**6.69**	**8.46**	**10.23**	**12.01**	**13.78**	**14.96**	**16.74**	**18.51**	**20.28**
1.98	0.46	0.62	0.79	0.95	1.12	1.28	1.39	1.55	1.72	1.88
84	**5.30**	**7.21**	**9.12**	**11.03**	**12.94**	**14.85**	**16.13**	**18.04**	**19.95**	**21.86**
2.13	0.49	0.67	0.85	1.02	1.20	1.38	1.50	1.68	1.85	2.03
90	**5.71**	**7.77**	**9.83**	**11.89**	**13.95**	**16.02**	**17.39**	**19.45**	**21.51**	**23.57**
2.29	0.53	0.72	0.91	1.10	1.30	1.49	1.62	1.81	2.00	2.19
96	**6.17**	**8.39**	**10.62**	**12.85**	**15.07**	**17.30**	**18.78**	**21.01**	**23.23**	**25.46**
2.44	0.57	0.78	0.99	1.19	1.40	1.61	1.74	1.95	2.16	2.37
102	**6.51**	**8.86**	**11.20**	**13.55**	**15.90**	**18.25**	**19.82**	**22.16**	**24.51**	**26.86**
2.59	0.60	0.82	1.04	1.26	1.48	1.70	1.84	2.06	2.28	2.50
108	**6.96**	**9.48**	**11.99**	**14.50**	**17.02**	**19.53**	**21.21**	**23.72**	**26.23**	**28.75**
2.74	0.65	0.88	1.11	1.35	1.58	1.81	1.97	2.20	2.44	2.67
114	**7.35**	**10.00**	**12.65**	**15.30**	**17.95**	**20.61**	**22.37**	**25.02**	**27.68**	**30.33**
2.90	0.68	0.93	1.18	1.42	1.67	1.91	2.08	2.32	2.57	2.82
120	**7.76**	**10.56**	**13.36**	**16.16**	**18.96**	**21.77**	**23.63**	**26.43**	**29.24**	**32.04**
3.05	0.72	0.98	1.24	1.50	1.76	2.02	2.20	2.46	2.72	2.98

Upper Numerals English Units/Lower Numerals Metric Units