

Construction Specialties Inc. certifies that the louver model RS-3105 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 air performance ratings, water penetration ratings, and wind driven rain ratings.

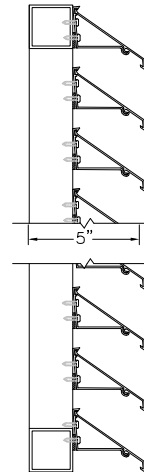


SUGGESTED SPECIFICATIONS:

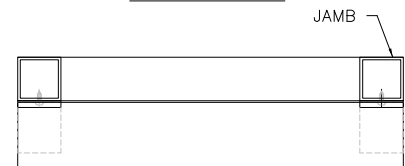
GENERAL: Furnish and install where indicated on the drawings C/S 3" (76.2 mm) **STORM RESISTANT FIXED HORIZONTAL LOUVER MODEL RS-3105** as manufactured by Construction Specialties, Inc. Cranford, New Jersey and Mississauga, Ontario. Complete details shall be submitted to the architect for approval prior to fabrication.

MATERIAL: Heads, sills, jamba and mullions to be one piece structural members of 6063-T6 alloy with integral caulking slot and retaining beads. Mullions shall be sliding interlock with integral internal drain(s). Heads to be one piece extrusion with gutter(s) designed to catch and direct water to jamb and mullion drains. Closed cell compression gaskets shall be provided between bottom of the mullion or jamb and the top of the sill to insure leak tight connections. Blades to be one piece extrusions with reinforcing bosses. All fasteners to be aluminum or stainless steel. All louvers to be furnished with 5/8" (15.87 mm) flattened expanded mesh, aluminum bird screen with a 0.055" (1.40 mm) thick extruded aluminum frame. Screens and screen frames to be standard mill finish.

STRUCTURAL DESIGN: Structural supports shall be designed and furnished by the louver manufacturer to carry a wind load of not less than _____psf (Pascals). (Note: If this paragraph is omitted or if the design wind load is not specified, the louvers will be manufactured in self-supporting units to a maximum of 5' (1524 mm) wide by 8' (2438 mm) high. Any additional structural supports required to adequately secure these units within the opening shall be the responsibility of others.



SECTION VIEW



PLAN VIEW

Discharge Coefficient

Intake Cd = 0.39 (Class 2)

AMCA certifies the coefficient class only

WIND DRIVEN RAIN PERFORMANCE:

The louver test was based on a 39.370" (1.0 m) x 39.370" (1.0 m) core area unit tested at a rainfall rate of 3" per hour (75 mm/hr) and with a wind directed to the face of the louver at a velocity of 29.1 mph (13 m/s) The test data shall show the water penetration effectiveness rating at each corresponding ventilation rate.

Core Velocity through Louver (m/s):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5
Core Velocity through Louver (ft/min):	0	135	196	285	382	472	578	682
Free Area Velocity (ft/min):	0	239	357	519	688	854	1062	1231
Effectiveness Ratio (%):	86.1	79.7	77.9	73.5	66.6	55.9	39.3	26.1
Rating Effectiveness:	C	D	D	D	D	D	D	D
Effectiveness Rating:	A = 1 to 0.99		B = 0.989 to 0.95		C = 0.949 to 0.80		D = 0.80 to 0	

FINISH: All louvers shall be finished with C/S Powder Coat, a coating to be 1.5 to 3 mil. Thick full strength **100% resin Fluoropolymer coating. Finish to allow zero VOCs** to be omitted into facility of application. Finish to adhere to a 4H Hardness rating. All finishing procedures shall be one continuous operation in the plant of the manufacturer. **The coating shall meet or exceed all requirements of AAMA specification 2605** "Voluntary Specification for High Performance Organic Coatings on Architectural Extrusions and Panels." The louver manufacturer shall supply an industry standard **20-year limited warranty against failure or excessive fading** of the Fluoropolymer Powder Coat finish. This limited warranty shall begin on the date of material shipment.

To download details and specifications visit www.c-sgroup.com. For technical and design assistance call 800-631-7379

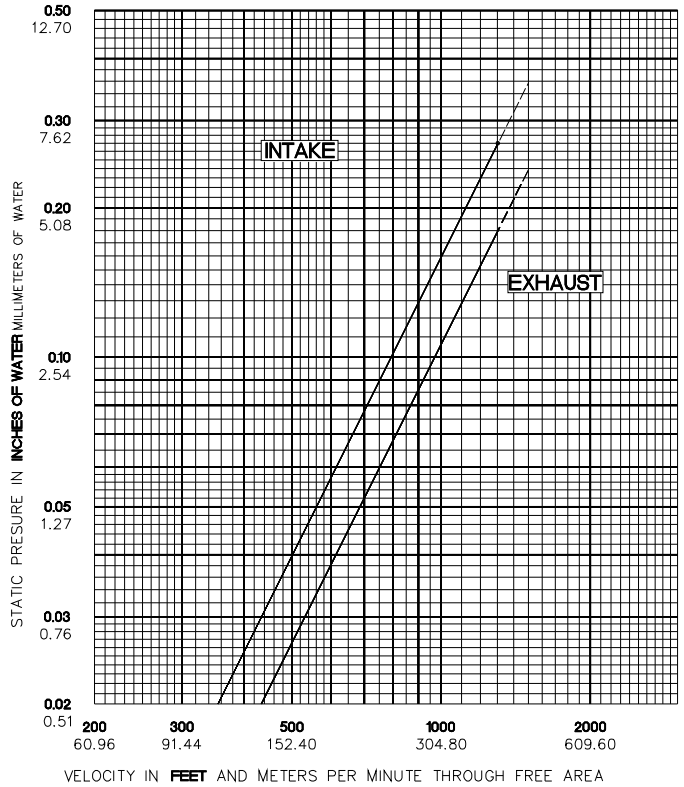
PERFORMANCE DATA MODEL RS-3105

FREE AREAS IN SQ. FEET AND SQ. METERS

Width 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	1.13	1.62	2.10	2.59	2.91	3.39	3.88	4.36	4.85	5.33
0.46	0.11	0.15	0.20	0.24	0.27	0.32	0.36	0.41	0.45	0.50
24	1.54	2.21	2.87	3.53	3.97	4.63	5.30	5.96	6.62	7.28
0.61	0.14	0.20	0.27	0.33	0.37	0.43	0.49	0.55	0.61	0.68
30	1.96	2.80	3.64	4.47	5.03	5.87	6.71	7.55	8.39	9.23
0.76	0.18	0.26	0.34	0.42	0.47	0.55	0.62	0.70	0.78	0.86
36	2.37	3.39	4.40	5.42	6.09	7.11	8.13	9.14	10.16	11.17
0.91	0.22	0.31	0.41	0.50	0.57	0.66	0.75	0.85	0.94	1.04
42	2.73	3.91	5.08	6.25	7.03	8.20	9.38	10.55	11.72	12.89
1.07	0.25	0.36	0.47	0.58	0.65	0.76	0.87	0.98	1.09	1.20
48	3.11	4.45	5.78	7.11	8.00	9.34	10.67	12.00	13.34	14.67
1.22	0.29	0.41	0.54	0.66	0.74	0.87	0.99	1.12	1.24	1.36
54	3.53	5.04	6.55	8.06	9.07	10.58	12.09	13.60	15.11	16.62
1.37	0.33	0.47	0.61	0.75	0.84	0.98	1.12	1.26	1.40	1.54
60	3.94	5.63	7.31	9.00	10.13	11.82	13.50	15.19	16.88	18.57
1.52	0.37	0.52	0.68	0.84	0.94	1.10	1.25	1.41	1.57	1.72
66	4.38	6.25	8.13	10.00	11.25	13.13	15.00	16.88	18.75	20.63
1.68	0.41	0.58	0.75	0.93	1.05	1.22	1.39	1.57	1.74	1.92
72	4.74	6.77	8.80	10.83	12.19	14.22	16.25	18.28	20.31	22.34
1.83	0.44	0.63	0.82	1.01	1.13	1.32	1.51	1.70	1.89	2.08
78	5.10	7.29	9.48	11.67	13.13	15.31	17.50	19.69	21.88	24.06
1.98	0.47	0.68	0.88	1.08	1.22	1.42	1.63	1.83	2.03	2.24
84	5.51	7.87	10.23	12.59	14.16	16.52	18.88	21.24	23.60	25.96
2.13	0.51	0.73	0.95	1.17	1.32	1.53	1.75	1.97	2.19	2.41
90	5.92	8.46	10.99	13.53	15.22	17.76	20.30	22.83	25.37	27.91
2.29	0.55	0.79	1.02	1.26	1.41	1.65	1.89	2.12	2.36	2.59
96	6.33	9.05	11.76	14.47	16.28	19.00	21.71	24.43	27.14	29.85
2.44	0.59	0.84	1.09	1.34	1.51	1.76	2.02	2.27	2.52	2.77
102	6.74	9.64	12.53	15.42	17.34	20.23	23.13	26.02	28.91	31.80
2.59	0.63	0.90	1.16	1.43	1.61	1.88	2.15	2.42	2.69	2.95
108	7.11	10.16	13.20	16.25	18.28	21.33	24.38	27.42	30.47	33.52
2.74	0.66	0.94	1.23	1.51	1.70	1.98	2.26	2.55	2.83	3.11
114	7.49	10.70	13.90	17.11	19.25	22.46	25.67	28.88	32.09	35.30
2.90	0.70	0.99	1.29	1.59	1.79	2.09	2.38	2.68	2.98	3.28
120	7.90	11.29	14.67	18.06	20.32	23.70	27.09	30.47	33.86	37.24
3.05	0.73	1.05	1.36	1.68	1.89	2.20	2.52	2.83	3.15	3.46
126	8.31	11.88	15.44	19.00	21.38	24.94	28.50	32.07	35.63	39.19
3.20	0.77	1.10	1.43	1.77	1.99	2.32	2.65	2.98	3.31	3.64
132	8.75	12.50	16.25	20.00	22.50	26.25	30.00	33.75	37.50	41.25
3.35	0.81	1.16	1.51	1.86	2.09	2.44	2.79	3.14	3.48	3.83
138	9.11	13.02	16.93	20.83	23.44	27.34	31.25	35.16	39.06	42.97
3.51	0.85	1.21	1.57	1.94	2.18	2.54	2.90	3.27	3.63	3.99
144	9.48	13.54	17.60	21.67	24.38	28.44	32.50	36.56	40.63	44.69
3.66	0.88	1.26	1.64	2.01	2.26	2.64	3.02	3.40	3.77	4.15

Height in Inches and Meters



For a 48" x 48" sized louver
 Tested to AMCA Figure 5.5
 Data corrected to standard air density

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Upper Numerals English Units/Lower Numerals Metric Units

RS-3105-01

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