

Material:	6063-T6/T5 Alloy
Nominal Thickness:	Blade : 1.52mm (0.059") Head : 1.52mm (0.059") Sill : 1.78mm (0.07") Jamb : 1.59mm (0.06") Mullion : 1.59mm (0.06")
Total System Depth:	101.6mm (4")
Appearance:	Visible Mullion Louver/ Non-Continuous Appearance
Orientation:	Vertical
Free Area:	52%
Rain Defence:	Class A/99%
Water Penetration:	The beginning point of water penetration is 1002.2 fpm (5.09 m/s) free area velocity. Standard Air - 0.075 lb/ft ³ (1.2 kg/m ³) Test size 1219 mm x 1219 mm (48 in. x 48 in) Test duration of 15 min.
Furnished With: (at additional cost):	Aluminium Expanded Mesh in 0.9mm thk. (0.035") Alloy US (AA): 1200, Mesh Size: SWM 20mm (0.78") x LWM 40mm (1.57") x Strand 2mm or SS Wire Mesh or Insulated Blanking Panel or Sill Pan



Aluforme Performance Materials & Systeme Pvt. Ltd. certifies that the RD-407 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 Water Penetration, Air Performance, Wind Driven Rain only. Ratings include the effects of a drain pan.

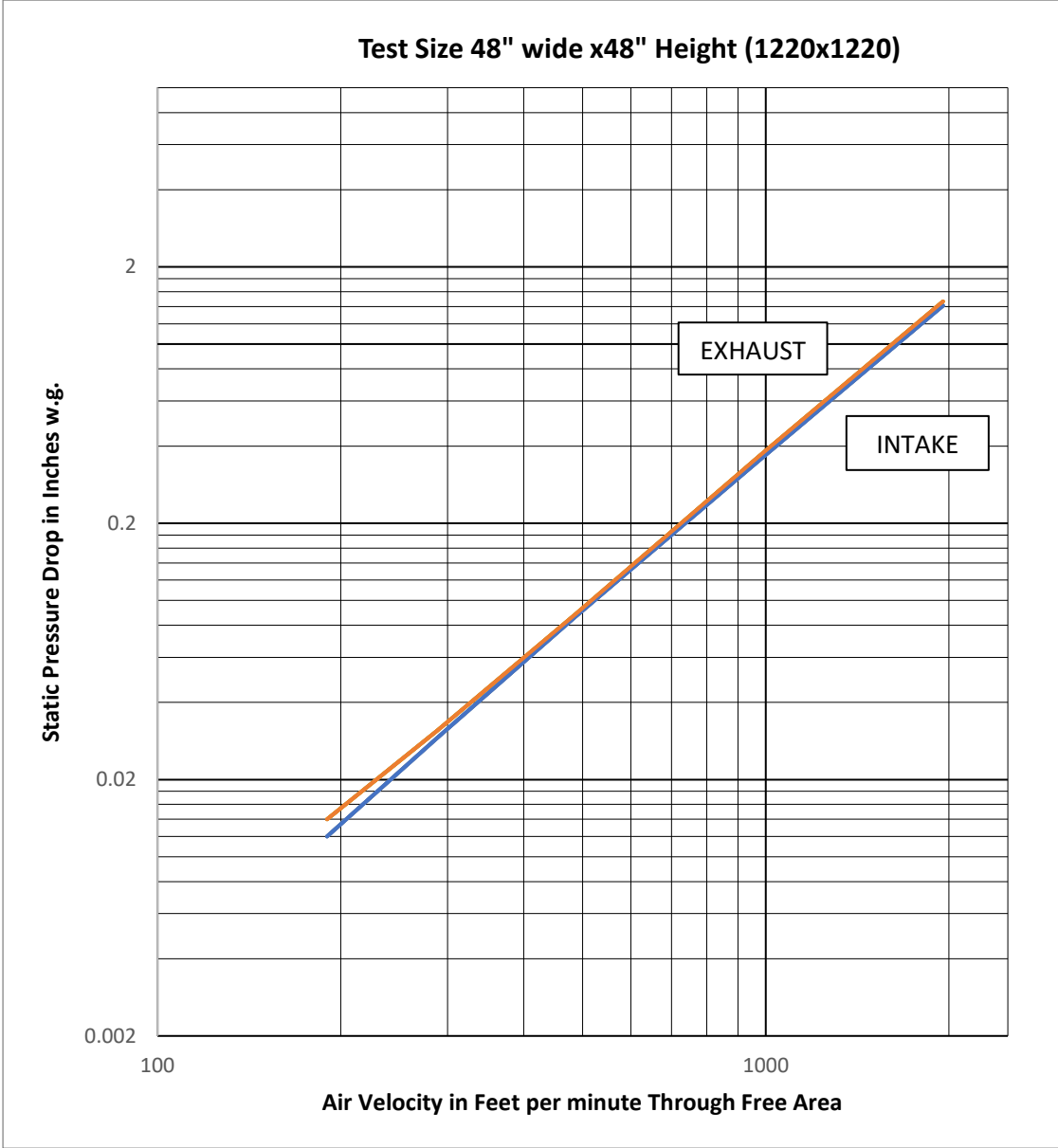
Test Summary:
For 4'x4' Unit
(Tested with Mill finish and no screen)
Free area = 7.74 Sq. ft
Coefficient of Entry & Discharge:
Class 3

WIND DRIVEN RAIN

Air Flow Velocity	Rainfall rate of 3" per hour (76.2 mm/hr) and with a wind directed to the face of the louver at a velocity 29 mph (13 m/s).		Rainfall rate of 8" per hour (203.2 mm/hr) and with a wind directed to the face of the louver at a velocity 50 mph (22 m/s).	
	Effectiveness	Class	Effectiveness	Class
(m/s)	(%)		(%)	
0.00	100	A	99.60	A
0.50	100	A	99.40	A
1.00	100	A	99.20	A
1.50	100	A	98.60	B
2.00	100	A	97.80	B
2.50	99.80	A	96.90	B
3.00	98.90	B	95.60	B
3.50	96.20	B	91.90	C
4.00	90.00	C	86.60	C
4.50	81.10	C	76.50	D
5.00	59.30	D	66.40	D



PRESSURE DROP:



Exhaust Cd = 22.1 % (Class 3)

Intake Cd = 21.4 % (Class 3)

FREE AREA CALCULATION:

Free Area Guide shows free area in ft² and m² for various sizes of RD-407

Width – Inches and Meters

Height	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
	0.3	0.45	0.6	0.75	0.9	1.05	1.2	1.35	1.5	1.65	1.8	1.95	2.1	2.25	2.4
12	0.28	0.44	0.61	0.78	0.94	1.11	1.28	1.44	1.61	1.78	1.94	2.11	2.28	2.44	2.61
0.3	0.03	0.04	0.06	0.07	0.09	0.10	0.12	0.13	0.15	0.17	0.18	0.20	0.21	0.23	0.24
18	0.52	0.84	1.16	1.47	1.79	2.11	2.42	2.74	3.06	3.37	3.69	4	4.32	4.64	4.95
0.45	0.05	0.08	0.11	0.14	0.17	0.20	0.22	0.25	0.28	0.31	0.34	0.37	0.40	0.43	0.46
24	0.74	1.19	1.64	2.09	2.54	2.99	3.44	3.89	4.34	4.79	5.24	5.69	6.14	6.59	7.04
0.6	0.07	0.11	0.15	0.19	0.24	0.28	0.32	0.36	0.40	0.45	0.49	0.53	0.57	0.61	0.65
30	0.96	1.54	2.12	2.7	3.28	3.86	4.44	5.02	5.6	6.18	6.76	7.33	7.91	8.49	9.07
0.75	0.09	0.14	0.20	0.25	0.30	0.36	0.41	0.47	0.52	0.57	0.63	0.68	0.73	0.79	0.84
36	1.2	1.92	2.65	3.37	4.09	4.82	5.54	6.27	6.99	7.71	8.44	9.16	9.89	10.61	11.33
0.9	0.11	0.18	0.25	0.31	0.38	0.45	0.51	0.58	0.65	0.72	0.78	0.85	0.92	0.99	1.05
42	1.42	2.28	3.14	4	4.86	5.72	6.58	7.44	8.3	9.16	10.02	10.88	11.74	12.6	13.45
1.05	0.13	0.21	0.29	0.37	0.45	0.53	0.61	0.69	0.77	0.85	0.93	1.01	1.09	1.17	1.25
48	1.67	2.68	3.69	4.7	5.72	6.73	7.74	8.75	9.76	10.77	11.78	12.79	13.8	14.81	15.82
1.2	0.16	0.25	0.34	0.44	0.53	0.63	0.72	0.81	0.91	1.00	1.09	1.19	1.28	1.38	1.47
54	1.88	3.01	4.14	5.27	6.4	7.54	8.67	9.8	10.93	12.07	13.2	14.33	15.46	16.6	17.73
1.35	0.17	0.28	0.38	0.49	0.59	0.70	0.81	0.91	1.02	1.12	1.23	1.33	1.44	1.54	1.65
60	2.1	3.37	4.64	5.92	7.19	8.46	9.73	11	12.27	13.54	14.81	16.08	17.35	18.62	19.89
1.5	0.20	0.31	0.43	0.55	0.67	0.79	0.90	1.02	1.14	1.26	1.38	1.49	1.61	1.73	1.85
66	2.32	3.72	5.12	6.52	7.92	9.31	10.71	12.11	13.51						
1.65	0.22	0.35	0.48	0.61	0.74	0.86	0.99	1.13	1.26						
72	2.57	4.11	5.66	7.21	8.76	10.31	11.86	13.41	14.96						
1.8	0.24	0.38	0.53	0.67	0.81	0.96	1.10	1.25	1.39						
78	2.8	4.49	6.18	7.87	9.56	11.25	12.94	14.63	16.32						
1.95	0.26	0.42	0.57	0.73	0.89	1.05	1.20	1.36	1.52						
84	3.01	4.82	6.64	8.46	10.27	12.09	13.9	15.72	17.54						
2.1	0.28	0.45	0.62	0.79	0.95	1.12	1.29	1.46	1.63						
90	3.26	5.22	7.19	9.15	11.12	13.08	15.05	17.02	18.98						
2.25	0.30	0.48	0.67	0.85	1.03	1.22	1.40	1.58	1.76						
96	3.49	5.6	7.7	9.81	11.92	14.03	16.13	18.24	20.35						
2.4	0.32	0.52	0.72	0.91	1.11	1.30	1.50	1.69	1.89						

Height – Inches and Meters