Model—RSR-4V-Continuous Line

152mm DEEP VERTICAL BLADE STORM RESISTANT LOUVER WITH CONTINUOUS LINE FASCIA

McGill Architectural Products certifies that the Storm Resistant Model "RSR 4V" 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 and Wind Driven Rain ratings Only.

WIND DRIVEN RAIN PERFORMANCE

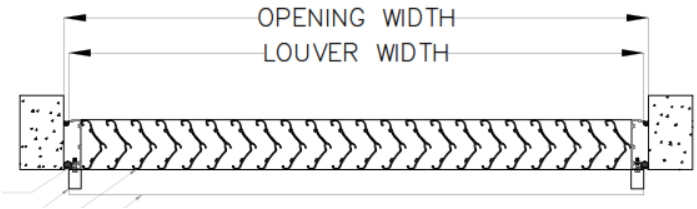
* Maintains **Class A (99%)** rating with 29mph wind velocity @ 3in/hr rainfall rate
* Max. intake core velocity – 494 FPM (2.5 m/s)
* Intake pressure drop at max. intake core velocity – 80 pa

AIRFLOW PERFORMANCE

* Free Area: 52% , based on a test sample of 48in (1219.2mm) x 48in (1219.2mm)
* Discharge loss Coefficient (Intake and Exhaust) – C_d= 0.22
* Discharge loss coefficient Classification – Class 3

	1	2	3	4
Discharge Loss Coefficient Classification	0.4 & Above	0.3 to 0.399	0.2 to 0.299	0.199 & Below

Rainfall rate (in. per hour) : 3								
Wind velocity (mph) : 29								
Core Velocity m/s	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5
Effectiveness (%)	100	100	100	100	100	100	98.1	86.7
Penetration Class	A	A	A	A	A	A	B	C
Classification	A = 99.9% - 99%		B = 98.9% - 95%		C = 94.9% - 80%		D = below 80%	



System Description:

OSA Rain Storm Resistant series; extruded aluminum construction; frame with channel profile; corner joints mitered and mechanically fastened, with continuous recessed caulking channel each side; intermediate mullions matching frame; gutters to drain rain water to jamb and mullion downspouts; rated for an air performance and water penetration maintained effectiveness rate of 0.99 when tested in accordance with AMCA 500-L.

Material & Finishes:

1. RSR-4V-Continuous Line comprises 2" Continuous Fascia Louver and 4" Storm Core Louver
   a. Rear Blades: VERTICAL Storm-resistant Profile
   b. Frame depth: 6 inches (152 mm) deep..
2. Metal Thickness: Frame 0.081 inch (2.06 mm); rear blades 0.06 inch (1.52 mm); front blades 0.078 inch (1.98mm).
3. Finish: PE-SDF / PVDF / Anodize after fabrication
4. Color: As scheduled.
5. Mullions: Concealed / Exposed
6. Screens: Bird / Insect Mesh
7. Screen location: Interior
8. Screening Material: Stainless Steel / Aluminum

Louver Construction:

1. Wind Load Resistance: Design to resist +ve and –ve wind load of ___ psf (___kPa) without damage or permanent deformation.
2. Blades: One piece extrusions with reinforcing bosses, supported and lined up with heavy-gage extruded aluminum blade braces, positively interlocked to each blade and mechanically secured to structure by aluminum and stainless steel fastenings.
3. Exposed edges and ends of metal dressed smooth, free from sharp edges.
4. Exposed connections and joints constructed to exclude water.

Warranty:

OSA-McGill louvers warranted for 2 years against defective material and workmanship, and 20 Years for Finishes.

Licensed manufacturer for McGill Architectural Products, 1050 Squires Beach Rd. S., Pickering, ON L1W 3N8,

Tel. 905-420-0485 / 1-888-624-4557 Fax. 905-420-4564 / 1-888-624-4558, www.mcgillarchitectural.com

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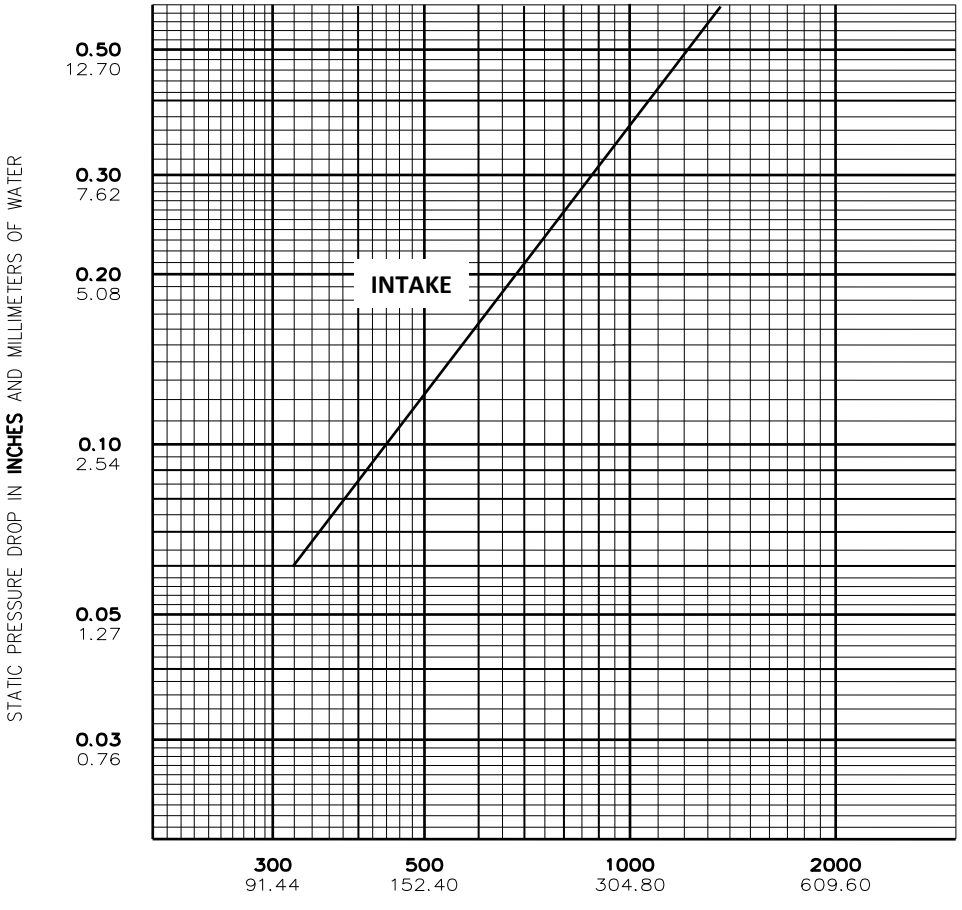
FREE AREA in FT^2 & M^2

WIDTH (IN & *mm*)

HEIGHT (IN & *mm*)	12	18	24	30	36	42	48	54	60	66	72	78	84
	304.8	*457.2*	*609.6*	*762*	*914.4*	*1066.8*	*1219.2*	*1371.6*	*1524*	*1676.4*	*1828.8*	*1981.2*	*2133.6*
12	**0.26**	**0.51**	**0.72**	**0.90**	**1.13**	**1.35**	**1.54**	**1.77**	**1.98**	**2.18**	**2.41**	**2.56**	**2.82**
304.8	*0.02*	*0.05*	*0.07*	*0.08*	*0.10*	*0.13*	*0.14*	*0.16*	*0.18*	*0.20*	*0.22*	*0.24*	*0.26*
18	**0.44**	**0.85**	**1.19**	**1.50**	**1.88**	**2.26**	**2.57**	**2.95**	**3.30**	**3.63**	**4.01**	**4.26**	**4.70**
457.2	*0.04*	*0.08*	*0.11*	*0.14*	*0.17*	*0.21*	*0.24*	*0.27*	*0.31*	*0.34*	*0.37*	*1.00*	*0.44*
24	**0.61**	**1.20**	**1.67**	**2.10**	**2.63**	**3.16**	**3.59**	**4.12**	**4.63**	**5.08**	**5.62**	**5.97**	**6.58**
609.6	*0.06*	*0.11*	*0.16*	*0.20*	*0.24*	*0.29*	*0.33*	*0.38*	*0.43*	*0.47*	*0.52*	*0.55*	*0.61*
30	**0.78**	**1.54**	**2.15**	**2.70**	**3.38**	**4.06**	**4.62**	**5.30**	**5.95**	**6.54**	**7.22**	**7.67**	**8.46**
762	*0.07*	*0.14*	*0.20*	*0.25*	*0.31*	*0.38*	*0.43*	*0.49*	*0.55*	*0.61*	*0.67*	*0.71*	*0.79*
36	**0.96**	**1.88**	**2.62**	**3.30**	**4.14**	**4.97**	**5.65**	**6.48**	**7.27**	**7.99**	**-8.83**	**9.38**	**10.35**
914.4	*0.09*	*0.17*	*0.24*	*0.31*	*0.38*	*0.46*	*0.52*	*0.60*	*0.68*	*0.74*	*-0.82*	*0.87*	*0.96*
42	**1.13**	**2.22**	**3.10**	**3.90**	**4.89**	**5.87**	**6.67**	**7.66**	**8.59**	**9.44**	**10.43**	**11.09**	**12.23**
1066.8	*0.11*	*0.21*	*0.29*	*0.36*	*0.45*	*0.55*	*0.62*	*0.71*	*0.80*	*0.88*	*0.97*	*1.03*	*1.14*
48	**1.31**	**2.56**	**3.58**	**4.50**	**5.64**	**6.77**	**8.24**	**8.84**	**9.91**	**10.89**	**12.04**	**12.79**	**14.11**
1219.2	*0.12*	*0.24*	*0.33*	*0.42*	*0.52*	*0.63*	*0.77*	*0.82*	*0.92*	*1.01*	*1.12*	*1.19*	*1.31*
54	**1.48**	**2.91**	**4.06**	**5.10**	**6.39**	**7.68**	**9.57**	**10.02**	**11.24**	**12.35**	**13.64**	**14.50**	**15.99**
1371.6	*0.14*	*0.27*	*0.38*	*0.47*	*0.59*	*0.71*	*0.89*	*0.93*	*1.04*	*1.15*	*1.27*	*1.35*	*1.49*
60	**1.66**	**3.25**	**4.53**	**5.70**	**7.15**	**8.58**	**10.70**	**11.19**	**12.56**	**13.80**	**15.25**	**16.20**	**17.87**
1524	*0.15*	*0.30*	*0.42*	*0.53*	*0.66*	*0.80*	*0.99*	*1.04*	*1.17*	*1.28*	*1.42*	*1.51*	*1.66*
66	**1.83**	**3.59**	**5.01**	**6.30**	**7.90**	**9.48**	**11.83**	**12.37**	**13.88**	**15.25**	**16.85**	**17.91**	**19.75**
1676.4	*0.17*	*0.33*	*0.47*	*0.59*	*0.73*	*0.88*	*1.10*	*1.15*	*1.29*	*1.42*	*1.57*	*1.66*	*1.83*



Test Data

Published data is in accordance with ANSI/AMCA 500-L, Figure 5.5. Data corrected to standard air density. Test Sample Size 48”x48”

The AMCA Water Penetration Test provides a method for comparing various louver models and designs as to their efficiency in resisting the penetration of rainfall under specific laboratory test conditions. The point of zero water penetration is defined as that velocity where the water penetration curve projects through .01 oz of water penetration per sq. ft. of louver area.

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