Model A6100
6" (152.4 mm) High Performance Fixed Extruded Mullion Louver

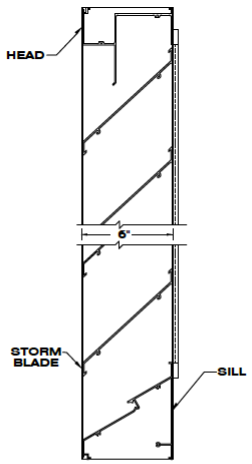
Material:

Material:	6063-T6 Alloy
Nominal Thickness (heads, sills, jambs, & mullions):	0.081" (2.06 mm)
Nominal Blade Thickness:	0.094" (2.39 mm)
Furnished With:	Birdscreen: ½" (12.7mm) intercrimp aluminum mesh, 0.063" (1.60 mm) 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

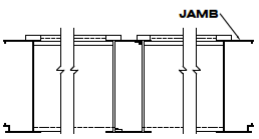


Test Summary:
For a 4 Foot by 4 Foot Unit.
Tested with mill finish and no screen

- Free area = 7.68 ft² (.713 m²)
- Percent free area = 48.0%
- Free area velocity at the point of beginning water penetration (@ 0.01oz. / ft² of free area based on a 15 minute interval test) = 764 FPM (3.88 m/s)
- Intake pressure drop at 0.01 oz. / ft² free area velocity = 0.11 in. H_2O (27.3 Pa)



SECTION VIEW



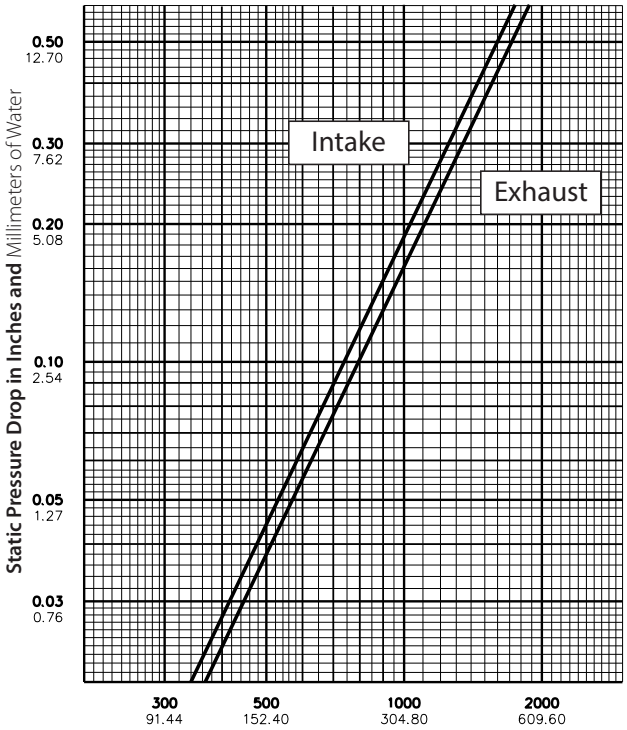
PLAN VIEW

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Model A6100
6" (152.4 mm) High Performance Fixed Extruded Mullion Louver

Water Penetration Statement

AMCA defines the point of beginning water penetration as the free area velocity at which the AMCA water test has yielded 0.01 or less ounces of water per square foot of louver free area during a 15-minute test period.



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

Data corrected to standard air density.
48" x 48" (121.92cm x 121.92cm) 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

	12	18	24	30	36	42	48	54	60
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52
18	**0.30**	**0.56**	**0.82**	**1.08**	**1.34**	**1.60**	**1.86**	**2.12**	**2.38**
0.46	0.03	0.05	0.08	0.10	0.12	0.15	0.17	0.20	0.22
24	**0.50**	**0.92**	**1.34**	**1.77**	**2.19**	**2.62**	**3.04**	**3.47**	**3.89**
0.61	0.05	0.09	0.12	0.16	0.20	0.24	0.28	0.32	0.36
30	**0.67**	**1.24**	**1.81**	**2.38**	**2.95**	**3.53**	**4.10**	**4.67**	**5.24**
0.76	0.06	0.12	0.17	0.22	0.27	0.33	0.38	0.43	0.49
36	**0.84**	**1.55**	**2.27**	**2.99**	**3.71**	**4.42**	**5.14**	**5.86**	**6.57**
0.91	0.08	0.14	0.21	0.28	0.34	0.41	0.48	0.54	0.61
42	**1.03**	**1.91**	**2.79**	**3.67**	**4.55**	**5.43**	**6.31**	**7.19**	**8.07**
1.07	0.10	0.18	0.26	0.34	0.42	0.50	0.59	0.67	0.75
48	**1.25**	**2.32**	**3.39**	**4.46**	**5.53**	**6.61**	**7.68**	**8.75**	**9.82**
1.22	0.12	0.22	0.31	0.41	0.51	0.61	0.71	0.81	0.91
54	**1.42**	**2.64**	**3.86**	**5.08**	**6.31**	**7.53**	**8.75**	**9.97**	**11.19**
1.37	0.13	0.25	0.36	0.47	0.59	0.70	0.81	0.93	1.04
60	**1.60**	**2.97**	**4.34**	**5.71**	**7.08**	**8.44**	**9.81**	**11.18**	**12.55**
1.52	0.15	0.28	0.40	0.53	0.66	0.78	0.91	1.04	1.17
66	**1.79**	**3.32**	**4.86**	**6.39**	**7.93**	**9.46**	**10.99**	**12.53**	**14.06**
1.68	0.17	0.31	0.45	0.59	0.74	0.88	1.02	1.16	1.31
72	**1.96**	**3.65**	**5.33**	**7.01**	**8.70**	**10.38**	**12.06**	**13.75**	**15.43**
1.83	0.18	0.34	0.50	0.65	0.81	0.96	1.12	1.28	1.43
78	**2.16**	**4.00**	**5.85**	**7.70**	**9.55**	**11.39**	**13.24**	**15.09**	**16.94**
1.98	0.20	0.37	0.54	0.72	0.89	1.06	1.23	1.40	1.57
84	**2.33**	**4.32**	**6.31**	**8.30**	**10.30**	**12.29**	**14.28**	**16.28**	**18.27**
2.13	0.22	0.40	0.59	0.77	0.96	1.14	1.33	1.51	1.70
90	**2.50**	**4.63**	**6.77**	**8.91**	**11.05**	**13.19**	**15.33**	**17.47**	**19.61**
2.29	0.23	0.43	0.63	0.83	1.03	1.23	1.42	1.62	1.82
96	**2.69**	**4.99**	**7.29**	**9.59**	**11.89**	**14.19**	**16.50**	**18.80**	**21.10**
2.44	0.25	0.46	0.68	0.89	1.10	1.32	1.53	1.75	1.96
102	**2.91**	**5.40**	**7.90**	**10.39**	**12.89**	**15.38**	**17.88**	**20.37**	**22.87**
2.59	0.27	0.50	0.73	0.97	1.20	1.43	1.66	1.89	2.12
108	**3.08**	**5.73**	**8.37**	**11.02**	**13.66**	**16.30**	**18.95**	**21.59**	**24.23**
2.74	0.29	0.53	0.78	1.02	1.27	1.51	1.76	2.01	2.25
114	**3.26**	**6.05**	**8.84**	**11.64**	**14.43**	**17.22**	**20.02**	**22.81**	**25.60**
2.90	0.30	0.56	0.82	1.08	1.34	1.60	1.86	2.12	2.38
120	**3.45**	**6.41**	**9.36**	**12.32**	**15.28**	**18.24**	**21.19**	**24.15**	**27.11**
3.05	0.32	0.60	0.87	1.14	1.42	1.69	1.97	2.24	2.52
126	**3.62**	**6.73**	**9.84**	**12.94**	**16.05**	**19.16**	**22.26**	**25.37**	**28.48**
3.20	0.34	0.63	0.91	1.20	1.49	1.78	2.07	2.36	2.65
132	**3.81**	**7.08**	**10.35**	**13.62**	**16.89**	**20.16**	**23.43**	**26.70**	**29.97**
3.35	0.33	0.61	0.89	1.17	1.45	1.73	2.02	2.30	2.58
138	3.98	7.40	10.81	14.23	17.64	21.06	24.47	27.89	31.30
3.51	0.37	0.69	1.00	1.32	1.64	1.96	2.27	2.59	2.91
144	**4.15**	**7.71**	**11.28**	**14.84**	**18.40**	**21.96**	**25.52**	**29.08**	**32.64**
3.66	0.39	0.72	1.05	1.38	1.71	2.04	2.37	2.70	3.03
150	**4.38**	**8.13**	**11.89**	**15.64**	**19.39**	**23.15**	**26.90**	**30.65**	**34.41**
3.81	0.41	0.76	1.10	1.45	1.80	1.98	2.50	2.85	3.20
156	**4.57**	**8.49**	**12.41**	**16.32**	**20.24**	**24.16**	**28.08**	**32.00**	**35.91**
3.96	0.42	0.79	1.15	1.52	1.88	2.24	2.61	2.97	3.34
162	**4.74**	**8.81**	**12.88**	**16.95**	**21.01**	**25.08**	**29.15**	**33.21**	**37.28**
4.11	0.44	0.82	1.20	1.57	1.95	2.33	2.71	3.09	3.46
168	**4.92**	**9.13**	**13.35**	**17.57**	**21.78**	**26.00**	**30.22**	**34.43**	**38.65**
4.27	0.46	0.85	1.24	1.63	2.02	2.42	2.81	3.20	3.59
174	**5.11**	**9.49**	**13.87**	**18.25**	**22.63**	**27.01**	**31.39**	**35.78**	**40.16**
4.42	0.47	0.88	1.29	1.70	2.10	2.51	2.92	3.32	3.73
180	**5.28**	**9.81**	**14.34**	**18.39**	**23.40**	**27.92**	**32.45**	**36.98**	**41.51**
4.57	0.49	0.91	1.33	1.71	2.17	2.59	3.01	3.44	3.86
186	**5.47**	**10.16**	**14.85**	**19.54**	**24.24**	**28.93**	**33.62**	**38.31**	**43.00**
4.72	0.51	0.94	1.38	1.82	2.25	2.69	3.12	3.56	3.99
192	**5.64**	**10.48**	**15.31**	**20.15**	**24.99**	**29.82**	**34.66**	**39.50**	**44.33**
4.88	0.52	0.97	1.42	1.87	2.32	2.77	3.22	3.67	4.12
198	**5.87**	**10.90**	**15.93**	**20.96**	**26.00**	**31.03**	**36.06**	**41.09**	**46.12**
5.03	0.55	1.01	1.48	1.95	2.42	2.88	3.35	3.82	4.28

Upper Numerals English Units/Lower Numerals Metric Units

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