Model A12360

12" (304.8 mm) Standard Fixed Acoustical Louvre

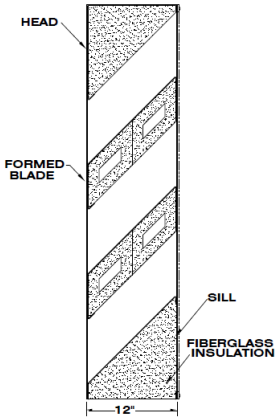
Material:

Material:	5005-H34 or 6063-T6 Aluminium Alloy, Fibreglass Insulation protected by woven (self-extinguishing)100% Polyester sheeting
Nominal Thickness (heads, sills, jambs, & mullions):	0.081" (2.06 mm)
Nominal Blade Thickness:	0.081" (2.06 mm)
Additional Options (at additional cost):	Birdscreen: 0.5" (12.7 mm) welded stainless steel G304 mesh. 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

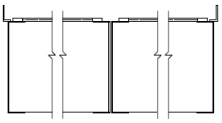
Test Summary:
For a 4 Foot by 4 Foot Unit (1219mm x 1219mm).

Tested with mill finish and no screen

- Free (throat) area = 3.89 ft² (0.36 m²)
- Percent free (throat) area = 24.3%
- Free (throat) area velocity at the point of beginning water penetration (@ 0.01oz. / ft² of free (throat) area based on a 15 minute interval test) = 837 FPM (4.25 m/s)
- Intake pressure drop at 837 FPM free (throat) area velocity = 0.074in H2O (18.4 Pa)



SECTION VIEW



PLAN VIEW

Acoustical Data:

The louvre manufacturer shall submit test data from an accredited acoustical laboratory in accordance with ASTM Standard E90-90. The minimum acceptable performance through all octave bands is as follows: STC = 13

Frequency (hz)	63	125	250	500	1000	2000	4000	8000
Transmission Loss	10	9	9	12	15	14	12	12
Noise Reduction	16	15	15	18	21	20	18	18

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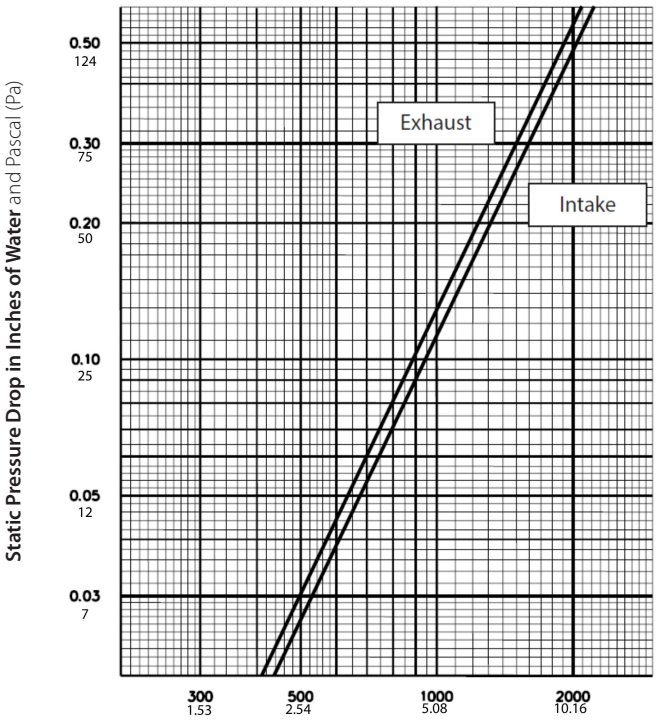
Water Penetration Statement

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



Data corrected to standard air density.
48" x 48" (121.92cm x 121.92cm) louvre tested to figure 5.5.

Free (throat) area Table (Free (throat) area in **sq. feet** and sq. metres)

For additional sizes, please visit:

Width in Inches and Metres

Height in Inches and Metres

	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
24	**0.35**	**0.62**	**0.88**	**1.15**	**1.41**	**1.68**	**1.94**	**2.21**	**2.47**
0.61	0.03	0.06	0.08	0.11	0.13	0.16	0.18	0.21	0.23
30	**0.35**	**0.62**	**0.88**	**1.15**	**1.41**	**1.68**	**1.94**	**2.21**	**2.47**
0.76	0.03	0.06	0.08	0.11	0.13	0.16	0.18	0.21	0.23
36	**0.35**	**0.62**	**0.88**	**1.15**	**1.41**	**1.68**	**1.94**	**2.21**	**2.47**
0.91	0.03	0.06	0.08	0.11	0.13	0.16	0.18	0.21	0.23
42	**0.71**	**1.24**	**1.77**	**2.30**	**2.83**	**3.36**	**3.89**	**4.42**	**4.95**
1.07	0.07	0.12	0.16	0.21	0.26	0.31	0.36	0.41	0.46
48	**0.71**	**1.24**	**1.77**	**2.30**	**2.83**	**3.36**	**3.89**	**4.42**	**4.95**
1.22	0.07	0.12	0.16	0.21	0.26	0.31	0.36	0.41	0.46
54	**0.71**	**1.24**	**1.77**	**2.30**	**2.83**	**3.36**	**3.89**	**4.42**	**4.95**
1.37	0.07	0.12	0.16	0.21	0.26	0.31	0.36	0.41	0.46
60	**1.06**	**1.24**	**1.77**	**2.30**	**2.83**	**3.36**	**3.89**	**4.42**	**4.95**
1.52	0.10	0.12	0.16	0.21	0.26	0.31	0.36	0.41	0.46
66	**1.06**	**1.86**	**2.65**	**3.45**	**4.24**	**5.04**	**5.83**	**6.63**	**7.42**
1.68	0.10	0.17	0.25	0.32	0.39	0.47	0.54	0.62	0.69
72	**1.41**	**2.47**	**3.53**	**4.59**	**5.65**	**6.71**	**7.77**	**8.83**	**9.89**
1.83	0.13	0.23	0.33	0.43	0.52	0.62	0.72	0.82	0.92
78	**1.41**	**2.47**	**3.53**	**4.59**	**5.65**	**6.71**	**7.77**	**8.83**	**9.89**
1.98	0.13	0.23	0.33	0.43	0.52	0.62	0.72	0.82	0.92
84	**1.77**	**3.09**	**4.42**	**5.74**	**7.07**	**8.39**	**9.72**	**11.05**	**12.37**
2.13	0.16	0.29	0.41	0.53	0.66	0.78	0.90	1.03	1.15
90	**1.77**	**3.09**	**4.42**	**5.74**	**7.07**	**8.39**	**9.72**	**11.05**	**12.37**
2.29	0.16	0.29	0.41	0.53	0.66	0.78	0.90	1.03	1.15
96	**1.77**	**3.09**	**4.42**	**5.74**	**7.07**	**8.39**	**9.72**	**11.05**	**12.37**
2.44	0.16	0.29	0.41	0.53	0.66	0.78	0.90	1.03	1.15
102	**2.12**	**3.71**	**5.30**	**6.89**	**8.48**	**10.07**	**11.66**	**13.25**	**14.84**
2.59	0.20	0.34	0.49	0.64	0.79	0.94	1.08	1.23	1.38
108	**2.12**	**3.71**	**5.30**	**6.89**	**8.48**	**10.07**	**11.66**	**13.25**	**14.84**
2.74	0.20	0.34	0.49	0.64	0.79	0.94	1.08	1.23	1.38
114	**2.47**	**4.33**	**6.18**	**8.04**	**9.89**	**11.75**	**13.60**	**15.46**	**17.31**
2.90	0.23	0.40	0.57	0.75	0.92	1.09	1.26	1.44	1.61
120	**2.47**	**4.33**	**6.18**	**8.04**	**9.89**	**11.75**	**13.60**	**15.46**	**17.31**
3.05	0.23	0.40	0.57	0.75	0.92	1.09	1.26	1.44	1.61
126	**2.47**	**4.33**	**6.18**	**8.04**	**9.89**	**11.75**	**13.60**	**15.46**	**17.31**
3.20	0.23	0.40	0.57	0.75	0.92	1.09	1.26	1.44	1.61
132	**2.83**	**4.95**	**7.07**	**9.19**	**11.31**	**13.43**	**15.55**	**17.67**	**19.79**
3.35	0.26	0.46	0.66	0.85	1.05	1.25	1.44	1.64	1.84
138	**2.83**	**4.95**	**7.07**	**9.19**	**11.31**	**13.43**	**15.55**	**17.67**	**19.79**
3.51	0.26	0.46	0.66	0.85	1.05	1.25	1.44	1.64	1.84
144	**3.18**	**5.57**	**7.95**	**10.34**	**12.72**	**15.11**	**17.49**	**19.88**	**22.26**
3.66	0.30	0.52	0.74	0.96	1.18	1.40	1.62	1.85	2.07
150	**3.18**	**5.57**	**7.95**	**10.34**	**12.72**	**15.11**	**17.49**	**19.88**	**22.26**
3.81	0.30	0.52	0.74	0.96	1.18	1.40	1.62	1.85	2.07
156	**3.18**	**5.57**	**7.95**	**10.34**	**12.72**	**15.11**	**17.49**	**19.88**	**22.26**
3.96	0.30	0.52	0.74	0.96	1.18	1.40	1.62	1.85	2.07
162	**3.53**	**6.18**	**8.83**	**11.48**	**14.13**	**16.78**	**19.43**	**22.08**	**24.73**
4.11	0.33	0.57	0.82	1.07	1.31	1.56	1.81	2.05	2.30
168	**3.53**	**6.18**	**8.83**	**11.48**	**14.13**	**16.78**	**19.43**	**22.08**	**24.73**
4.27	0.33	0.57	0.82	1.07	1.31	1.56	1.81	2.05	2.30
174	**3.89**	**6.80**	**9.72**	**12.63**	**15.55**	**18.46**	**21.38**	**24.29**	**27.21**
4.42	0.36	0.63	0.90	1.17	1.44	1.71	1.99	2.26	2.53
180	**3.89**	**6.80**	**9.72**	**12.63**	**15.55**	**18.46**	**21.38**	**24.29**	**27.21**
4.57	0.36	0.63	0.90	1.17	1.44	1.71	1.99	2.26	2.53
186	**3.89**	**6.80**	**9.72**	**12.63**	**15.55**	**18.46**	**21.38**	**24.29**	**27.21**
4.72	0.36	0.63	0.90	1.17	1.44	1.71	1.99	2.26	2.53
192	**4.24**	**7.42**	**10.60**	**13.78**	**16.96**	**20.14**	**23.32**	**26.50**	**29.68**
4.88	0.39	0.69	0.98	1.28	1.58	1.87	2.17	2.46	2.76
198	**4.24**	**7.42**	**10.60**	**13.78**	**16.96**	**20.14**	**23.32**	**26.50**	**29.68**
5.03	0.39	0.69	0.98	1.28	1.58	1.87	2.17	2.46	2.76
204	**4.59**	**8.04**	**11.48**	**14.93**	**18.37**	**21.82**	**25.26**	**28.71**	**32.15**
5.18	0.43	0.75	1.07	1.39	1.71	2.03	2.35	2.67	2.99

Upper Numerals English Units/Lower Numerals Metric Units