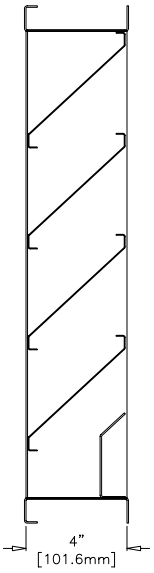
FSJ-402

Stationary Louver, J Blade

Galvanized Steel

Standard Construction

Fame	Galvanized steel, 4 in. (102 mm) x 16 gauge wall thickness
Blades	J Style, 20 gauge galvanized wall thickness, positioned 45° on approximately 4 in. (102 mm) centers
Louver Depth	4 in. (102 mm)
Construction	Mechanically fastened
Finish	Mill
Minimum Size	12 in. W x 12 in. H (305 mm W x 305 mm H)
Maximum Single Section Size	60 in. W x 96 in. H (1524 mm W x 2438 mm H)
Wind Load	25 PSF (1.2 kPa)





Performance Ratings

Greenheck Fan Corporation certifies that the FSJ-402 louvers shown herein are 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 water penetration ratings.

Performance of 48 in. x 48 in. (1219 mm x 1219 mm) Louver

Free Area	
Area	7.55 sq. ft. (0.701 sq. m)
Percent	47.2%
Performance at Beginning Point of Water Penetration	
Free Area Velocity	839 fpm (4.262 m/s)
Max Intake Volume	6334 cfm (2.990 m^3/s)
Performance at 6,000 CFM (2.832 m^3/s) Intake	
Pressure Drop	0.095 in. wg (0.024 kPa)

Options and Accessories

- Bird Screen
- Blank Off Panels
- Extended Sill
- Flange Frame
- Filter Rack/Filter
- Hinged Frame
- Insect Screen
- Mounting Angles
- Security Bars
- Welded Construction
- 16 or 18 ga. Nominal Blade Thickness
- Variety of Architectural Finishes

Document Links

- Louver Finishes & Colors
- Louver Product Selection Guide
- Louver Products Catalog
- Louver Warranty Statement

Standard Details

FSJ-402 Standard Details

Structural reinforcing members may be required to adequately support and install multiple louver sections within a large opening. Structural reinforcing members along with any associated installation hardware is not provided by Greenheck unless indicated otherwise by Greenheck. Options and accessories including, but not limited to, screens, filter racks, louver doors, and blank off panels are not subject to structural analysis unless indicated otherwise by Greenheck.

Free Area Chart

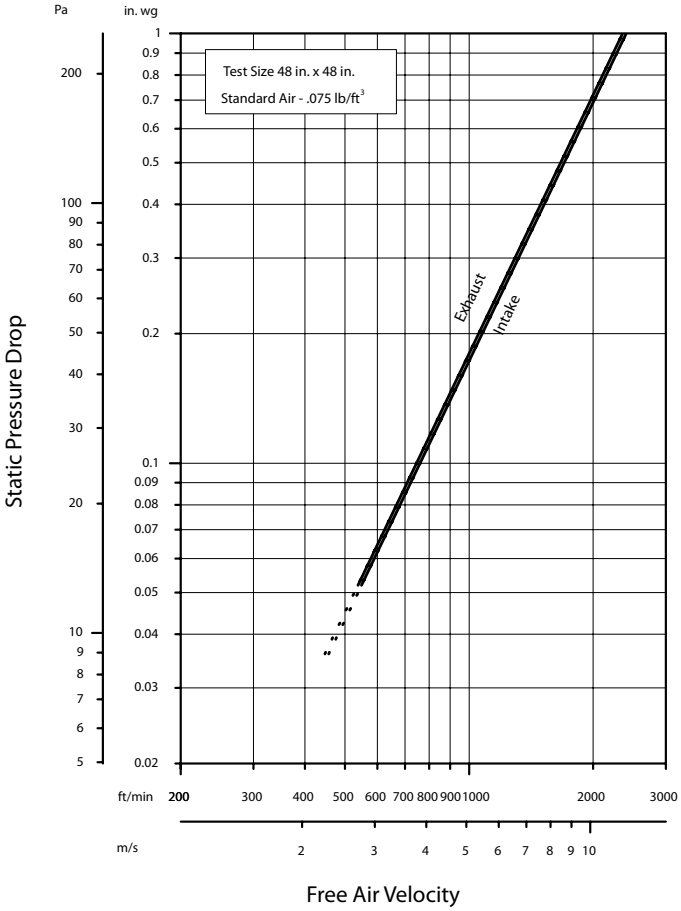
Free Area Chart shows free area in square feet and square meters.

Louver Height Inches (Meters)	Louver Width in Inches (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
12	**0.23**	**0.38**	**0.53**	**0.68**	**0.83**	**0.98**	**1.13**	**1.28**	**1.43**
0.30	0.02	0.04	0.05	0.06	0.08	0.09	0.10	0.12	0.13
18	**0.41**	**0.67**	**0.93**	**1.20**	**1.46**	**1.73**	**1.99**	**2.25**	**2.52**
0.46	0.04	0.06	0.09	0.11	0.14	0.16	0.18	0.21	0.23
24	**0.67**	**1.10**	**1.54**	**1.97**	**2.40**	**2.84**	**3.27**	**3.70**	**4.14**
0.61	0.06	0.10	0.14	0.18	0.22	0.26	0.30	0.34	0.38
30	**0.84**	**1.39**	**1.94**	**2.49**	**3.04**	**3.58**	**4.13**	**4.68**	**5.23**
0.76	0.08	0.13	0.18	0.23	0.28	0.33	0.38	0.43	0.49
36	**1.11**	**1.82**	**2.54**	**3.26**	**3.98**	**4.69**	**5.41**	**6.13**	**6.85**
0.91	0.10	0.17	0.24	0.30	0.37	0.44	0.50	0.57	0.64
42	**1.28**	**2.11**	**2.95**	**3.78**	**4.61**	**5.44**	**6.27**	**7.11**	**7.94**
1.07	0.12	0.20	0.27	0.35	0.43	0.51	0.58	0.66	0.74
48	**1.54**	**2.55**	**3.55**	**4.55**	**5.55**	**6.55**	**7.55**	**8.56**	**9.56**
1.22	0.14	0.24	0.33	0.42	0.52	0.61	0.70	0.80	0.89
54	**1.72**	**2.84**	**3.95**	**5.07**	**6.18**	**7.30**	**8.42**	**9.53**	**10.62**
1.37	0.16	0.26	0.37	0.47	0.57	0.68	0.78	0.89	0.99
60	**1.98**	**3.27**	**4.55**	**5.84**	**7.12**	**8.41**	**9.70**	**10.95**	**12.27**
1.52	0.18	0.30	0.42	0.54	0.66	0.78	0.90	1.02	1.14
66	**2.16**	**3.56**	**4.96**	**6.36**	**7.76**	**9.16**	**10.56**	**11.96**	**13.36**
1.68	0.20	0.33	0.46	0.59	0.72	0.85	0.98	1.11	1.24
72	**2.42**	**3.99**	**5.56**	**7.13**	**8.70**	**10.27**	**11.84**	**13.41**	**14.98**
1.83	0.22	0.37	0.52	0.66	0.81	0.95	1.10	1.25	1.39
78	**2.60**	**4.28**	**5.96**	**7.65**	**9.33**	**11.02**	**12.70**	**14.38**	**16.07**
1.98	0.24	0.40	0.55	0.71	0.87	1.02	1.18	1.34	1.49
84	**2.86**	**4.71**	**6.57**	**8.42**	**10.27**	**12.13**	**13.98**	**15.83**	**17.69**
2.13	0.27	0.44	0.61	0.78	0.95	1.13	1.30	1.47	1.64
90	**3.03**	**5.00**	**6.97**	**8.94**	**10.91**	**12.87**	**14.84**	**16.81**	**18.78**
2.29	0.28	0.46	0.65	0.83	1.01	1.20	1.38	1.56	1.74
96	**3.30**	**5.43**	**7.57**	**9.71**	**11.85**	**13.98**	**16.12**	**18.26**	**20.40**
2.44	0.31	0.50	0.70	0.90	1.10	1.30	1.50	1.70	1.90

Airflow Resistance

Standard Air - 0.075 lb/ft³ (1.2 kg/m³)

Test size 48 in. x 48 in. (1219 mm x 1219 mm)

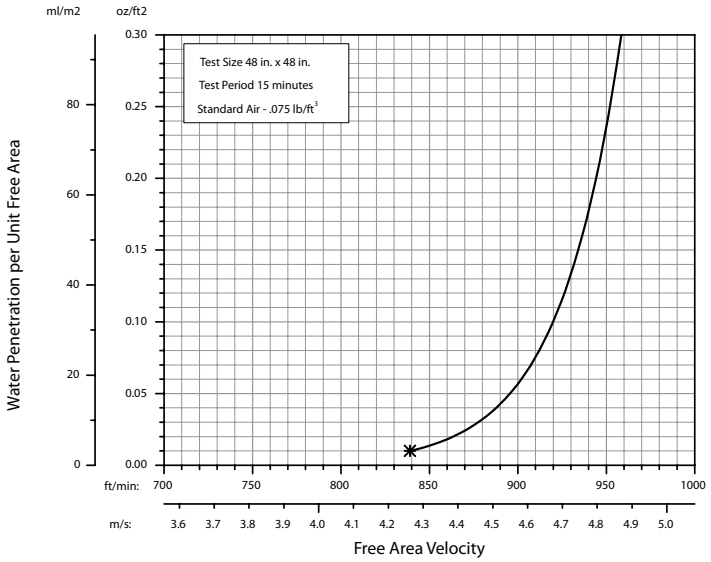


Model FSJ-402 resistance to airflow (pressure drop) varies depending on louver application (air intake or air exhaust). Free area velocities (shown) are higher than average velocity through the overall louver size. See louver selection information. (Test Figure 5.5-6.5)

Water Penetration

Standard Air - 0.075 lb/ft³ (1.2 kg/m³)

Test size 48 in. x 48 in. (1219 mm x 1219 mm) Test duration of 15 min.



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 beginning point of water penetration is defined as that velocity where the water penetration curve projects through 0.01 oz. (3 g) of water (penetration) per sq. ft. (m^2) of louver free area. ⋆**The beginning point of water penetration for Model FSJ-402 is above 839 fpm (4.262 m/s) free area velocity.** These performance ratings do not guarantee a louver to be weatherproof or stormproof and should be used in combination with other factors including good engineering judgement in selecting louvers.

GREENHECK
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