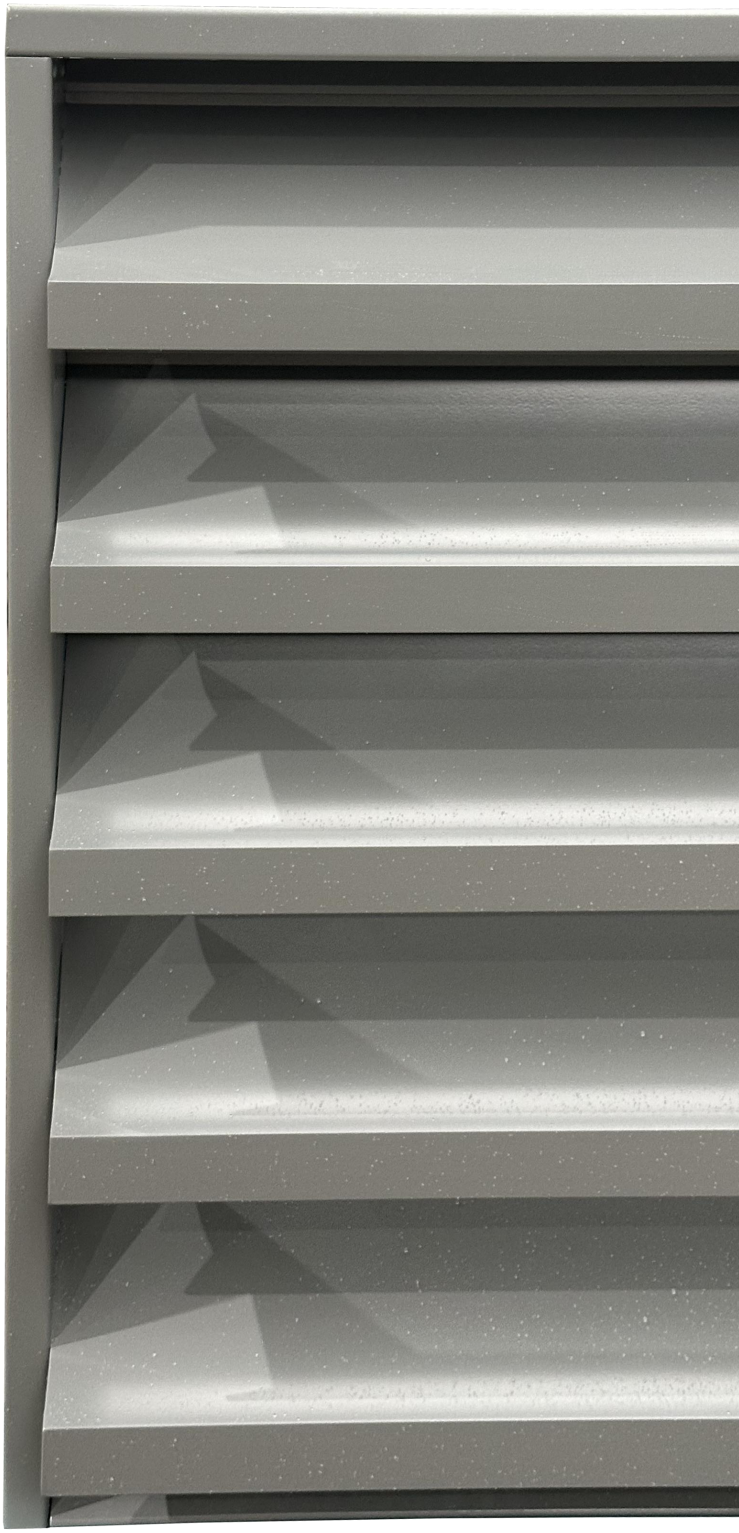
NCC-FYL155

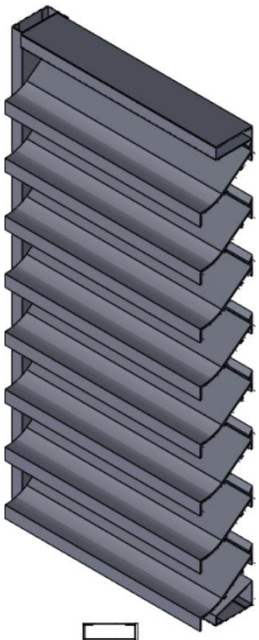
NCC 6.1″ (155 mm) RAIN PROOF LOUVER



MODEL NCC-FYL155

NCC 6.1″ (155 mm) RAIN PROOF LOUVER

Shenzhen Noise Control Co.,Ltd certifies that the louver model NCC-FYL155 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 air performance ratings and water penetration ratings.



AIRFLOW DATA

For a 48 Inch by 48 Inch Unit.

Tested with mill finish and no screen

- Free area = 7.74 ft^2 (0.719 m^2)
- Core area= 14.57 ft^2 (1.354 m^2)
- Percent free area = 53.1%
- Free area velocity at the point of beginning water penetration

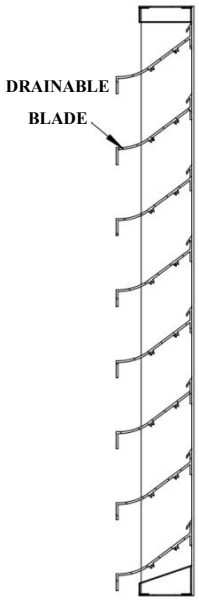
(@ 0.01oz. / ft2 of free area based on a 15 minute interval test)

= 800 FPM (4.06 m/s)

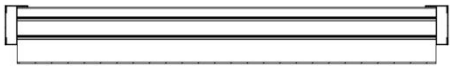
- Maximum recommended air intake velocity = 600 FPM (3.05 m/s)
- Air volume @ 600 FPM free area velocity = 4644 CFM (2.19 m^3/s)
- Pressure drop @ 600 FPM free area velocity = 0.05 in. H_2O (13Pa)

SPECIFICATION

Model No.:	NCC-FYL155
Material:	Aluminum
Louver Depth:	6.1″ (155 mm)
Blade Type:	Fixed
Blade Direction:	Horizontal
Surface Treatment Options:	Polyester Power Coated (PPC) PVDF As per customer requirements
Additional Options:	304/316 Stainless Steel Bird Screen



SECTION VIEW



PLAN VIEW

Discharge Coefficient

Intake Cd = 0.35 (Class 2)

AMCA certifies the coefficient class only

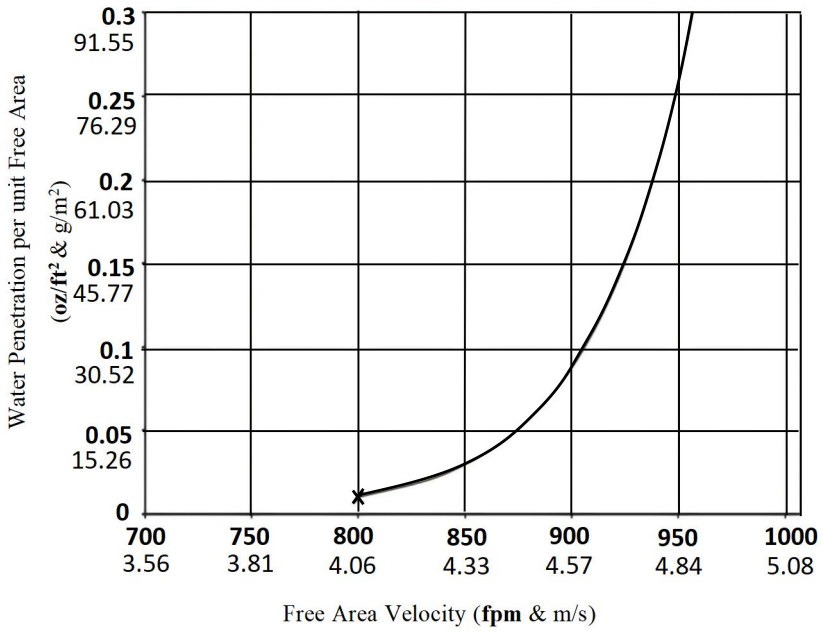
MODEL NCC-FYL155

NCC 6.1″ (155 mm) RAIN PROOF LOUVER

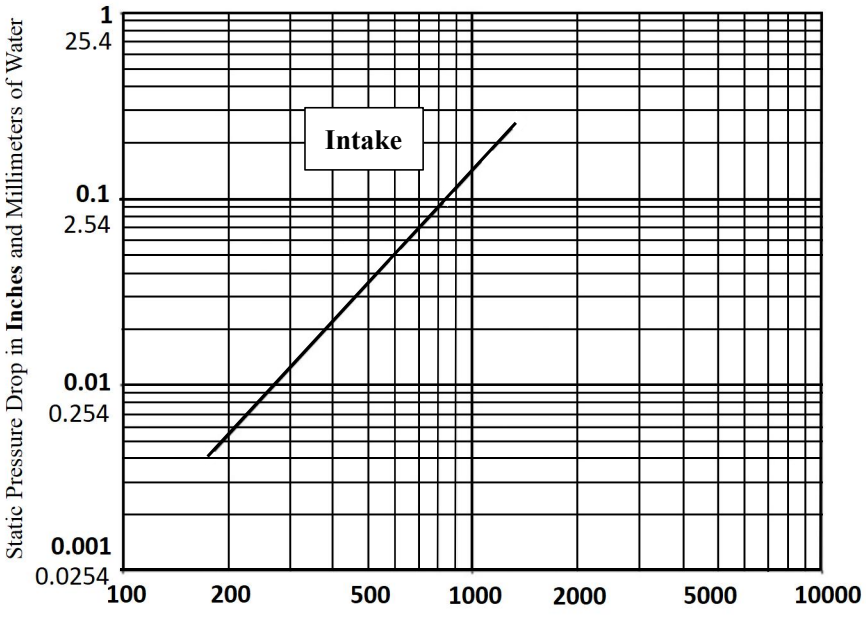
Water Penetration Statement

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.

For a 48″ X 48″ sized louver



Test Method per ANSI / AMCA Standard 500-L-12 (Water Penetration), Figure 5.6



Test Method per ANSI/ AMCA Standard 500-L-12 (Pressure Drop), Figure 5.5

Free Area Table

(Free area in **sq. feet** and sq. meters)

Width in **Inches** and Meters

Height in **Inches** and Meters	**18**	**24**	**30**	**36**	**42**	**48**	**54**
	0.46	0.61	0.76	0.91	1.07	1.22	1.37
18	**0.83**	**1.17**	**1.5**	**1.85**	**2.10**	**2.52**	**2.86**
0.46	0.08	0.11	0.14	0.17	0.20	0.23	0.27
30	**1.50**	**2.12**	**2.75**	**3.40**	**4.00**	**4.62**	**5.25**
0.76	0.14	0.20	0.26	0.32	0.37	0.43	0.49
42	**2.40**	**3.36**	**4.35**	**5.33**	**6.30**	**7.29**	**8.26**
1.07	0.22	0.31	0.40	0.50	0.59	0.68	0.77
48	**2.83**	**4.00**	**5.16**	**6.32**	**7.48**	**7.74**	**9.80**
1.22	0.26	0.37	0.48	0.59	0.7	0.72	0.91
54	**3.25**	**4.58**	**5.92**	**7.25**	**8.58**	**9.92**	**11.24**
1.37	0.30	0.43	0.55	0.67	0.80	0.92	1.04
66	**4.12**	**5.80**	**7.50**	**9.18**	**10.87**	**12.55**	**14.25**
1.68	0.38	0.54	0.70	0.85	1.01	1.17	1.32
78	**4.81**	**6.77**	**8.75**	**10.71**	**12.67**	**14.64**	**16.60**
1.98	0.45	0.63	0.81	0.99	1.18	1.36	1.54
90	**5.70**	**8.01**	**10.35**	**12.66**	**15.00**	**17.31**	**19.65**
2.29	0.53	0.74	0.96	1.18	1.39	1.61	1.83
102	**6.55**	**9.22**	**11.90**	**14.56**	**17.25**	**19.92**	**22.58**
2.59	0.61	0.86	1.11	1.35	1.60	1.85	2.10
114	**7.42**	**10.46**	**13.50**	**16.53**	**19.55**	**22.60**	**25.62**
2.90	0.69	0.97	1.25	1.54	1.82	2.10	2.38
126	**8.15**	**11.49**	**14.82**	**18.13**	**21.47**	**24.80**	**28.13**
3.20	0.76	1.07	1.38	1.68	1.99	2.30	2.61
138	**8.99**	**12.66**	**16.35**	**20.02**	**23.68**	**27.36**	**31.03**
3.51	0.84	1.18	1.52	1.86	2.20	2.54	2.88
150	**9.90**	**13.92**	**17.97**	**21.99**	**26.03**	**30.07**	**34.10**
3.81	0.92	1.29	1.67	2.04	2.42	2.79	3.17
162	**10.73**	**15.10**	**19.47**	**23.84**	**28.22**	**32.59**	**36.97**
4.11	1.00	1.40	1.81	2.21	2.61	3.03	3.43
174	**11.59**	**16.33**	**21.05**	**25.78**	**30.51**	**35.24**	**39.97**
4.42	1.08	1.52	1.96	2.40	2.83	3.27	3.71
186	**12.31**	**17.32**	**22.34**	**27.36**	**32.37**	**37.39**	**42.40**
4.72	1.14	1.61	2.08	2.54	3.01	3.47	3.94
198	**13.17**	**18.53**	**23.91**	**29.26**	**34.63**	**40.01**	**45.37**
5.03	1.22	1.72	2.22	2.72	3.22	3.72	4.22

Upper Numerals Imperial Units

Lower Numerals Metric Units