

**Model PL-3600 - 3/8" (9.53 mm) Hole Pattern
5.25" (133.4 mm) Perforated Vertical Storm Resistant Louver**

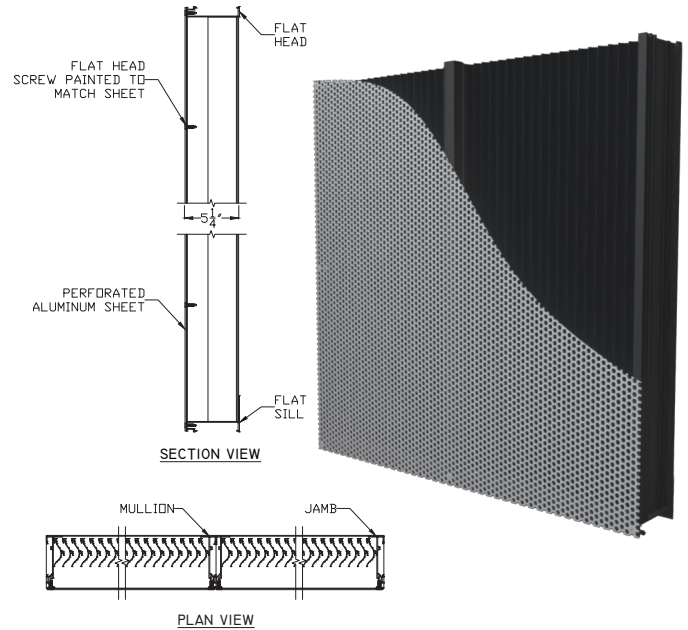
Material:

Material:	Louver 6063-T6 Alloy Perforated Sheet 3003 H14 aluminum
Nominal Thickness (heads, sills, jamps, & mullions):	0.08" (2.03 mm)
Nominal Blade Thickness:	0.05" (1.27 mm)
Additional Options (at additional cost):	Rear bird or Insect 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 rear bird or insect screen

- Free area = 7.58 ft² (0.704m²)
- Percent free area = 47.4%
- Intake pressure drop at 1000 FPM free area velocity = 0.17 in. H₂O (43.0 Pa)
- To maintain a CLASS A (99%) effectiveness rating* with:
 - a 29.1 mph wind speed and rainfall rate of 3 in/hr
 - Max. intake core velocity 5.0 m/s (984 FPM)
 - Max. intake free area velocity 9.9 m/s (1,945 FPM)
 - a 50 mph wind speed and rainfall rate of 8 in/hr
 - Max. intake core velocity 5.0 m/s (992 FPM)
 - Max. intake free area velocity 9.9 m/s (1,949 FPM)



Discharge Coefficient
Intake Cd = 0.31 (Class 2)

Wind Driven Rain Performance: Tested with 1m² core area, mill finish and no rear bird or insect screen*

The louver test was based on a 39.370" (1.0 m) x 39.370" (1.0 m) core area unit tested at a rainfall rate of 3" per hour (75 mm/hr) and with a wind directed to the face of the louver at a velocity of 29.1 mph (13 m/s) as well as a rainfall rate of 8" per hour (203 mm) and a wind velocity of 50 mph (23.3 m/s). The test data shall show the water penetration effectiveness rating at each corresponding ventilation rate.

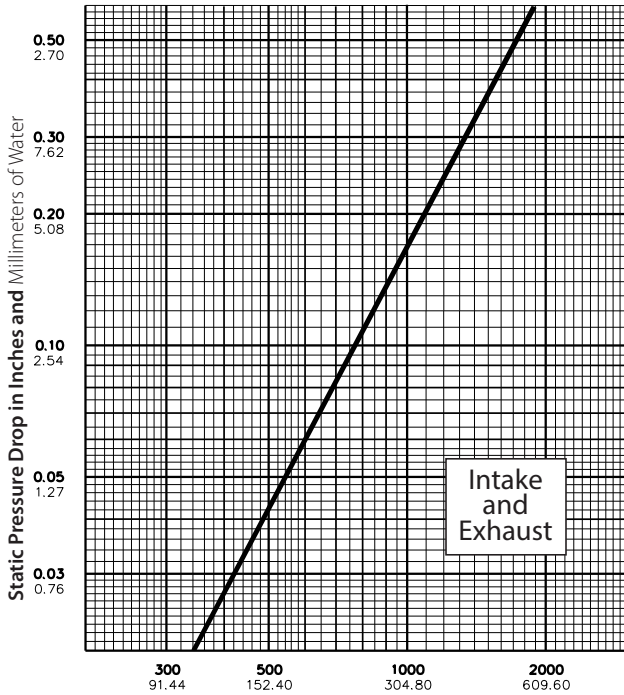
29.1 mph (13 m/s) & 3" (75 mm) rain per hour

Core Velocity Through Cal. Plate (m/s):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
Core Velocity Through Louver (ft/min):	0	98	197	295	393	492	591	689	787	886	984
Free Area Velocity (ft/min):	0	192	387	579	772	966	1161	1353	1546	1738	1945
Rating Effectiveness:	A	A	A	A	A	A	A	A	A	A	A
Effectiveness Ratio (%):											100.0

50 mph (22.3 m/s) & 8" (203 mm) rain per hour

Core Velocity Through Cal. Plate (m/s):	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
Core Velocity Through Louver (ft/min):	0	96	197	288	396	482	588	691	792	888	992
Free Area Velocity (ft/min):	0	189	387	566	778	947	1155	1357	1556	1744	1949
Rating Effectiveness:	A	A	A	A	A	A	A	A	A	A	A
Effectiveness Ratio (%):											100.0
Effectiveness Rating:	A = 1 to 0.99			B = 0.989 to 0.95			C = 0.949 to 0.80			D = Below 0.80	

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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)

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

	18	24	30	36	42	48	54	60
	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52
18	0.83	1.16	1.49	1.82	2.15	2.48	2.77	3.10
0.46	0.08	0.11	0.14	0.17	0.20	0.23	0.26	0.29
24	1.17	1.63	2.10	2.57	3.03	3.50	3.91	4.38
0.61	0.11	0.15	0.19	0.24	0.28	0.32	0.36	0.41
30	1.51	2.11	2.71	3.31	3.92	4.52	5.05	5.65
0.76	0.14	0.20	0.25	0.31	0.36	0.42	0.47	0.53
36	1.85	2.58	3.32	4.06	4.80	5.54	6.19	6.93
0.91	0.17	0.24	0.31	0.38	0.45	0.51	0.58	0.64
42	2.19	3.06	3.94	4.81	5.68	6.56	7.33	8.21
1.07	0.20	0.28	0.37	0.45	0.53	0.61	0.68	0.76
48	2.53	3.54	4.55	5.56	6.57	7.58	8.47	9.48
1.22	0.23	0.33	0.42	0.52	0.61	0.70	0.79	0.88
54	2.93	4.10	5.27	6.44	7.61	8.78	9.81	10.98
1.37	0.27	0.38	0.49	0.60	0.71	0.82	0.91	1.02
60	3.16	4.42	5.68	6.95	8.21	9.47	10.59	11.85
1.52	0.29	0.41	0.53	0.65	0.76	0.88	0.98	1.10
66	3.50	4.90	6.30	7.70	9.09	10.49	11.73	13.13
1.68	0.32	0.45	0.58	0.71	0.84	0.97	1.09	1.22
72	3.84	5.37	6.91	8.44	9.98	11.51	12.87	14.40
1.83	0.36	0.50	0.64	0.78	0.93	1.07	1.20	1.34
78	4.18	5.85	7.52	9.19	10.86	12.53	14.01	15.68
1.98	0.39	0.54	0.70	0.85	1.01	1.16	1.30	1.46
84	4.52	6.33	8.13	9.94	11.75	13.55	15.15	16.96
2.13	0.42	0.59	0.76	0.92	1.09	1.26	1.41	1.58
90	4.86	6.80	8.74	10.69	12.63	14.57	16.29	18.23
2.29	0.45	0.63	0.81	0.99	1.17	1.35	1.51	1.69
96	5.26	7.36	9.47	11.57	13.67	15.78	17.63	19.74
2.44	0.49	0.68	0.88	1.07	1.27	1.47	1.64	1.83
102	5.49	7.69	9.88	12.08	14.27	16.47	18.41	20.60
2.59	0.51	0.71	0.92	1.12	1.33	1.53	1.71	1.91
108	5.83	8.16	10.49	12.83	15.16	17.49	19.55	21.88
2.74	0.54	0.76	0.97	1.19	1.41	1.62	1.82	2.03
114	6.17	8.64	11.11	13.57	16.04	18.51	20.69	23.16
2.90	0.57	0.80	1.03	1.26	1.49	1.72	1.92	2.15
120	6.51	9.11	11.72	14.32	16.93	19.53	21.83	24.43
3.05	0.60	0.85	1.09	1.33	1.57	1.81	2.03	2.27

Height in Inches and Meters

Upper Numerals English Units/Lower Numerals Metric Units