

SAFE LOUVER

GE-127/50



PRODUCT CATALOG



今一鋁科技

科技與鋁窗的結合

GE-127/50

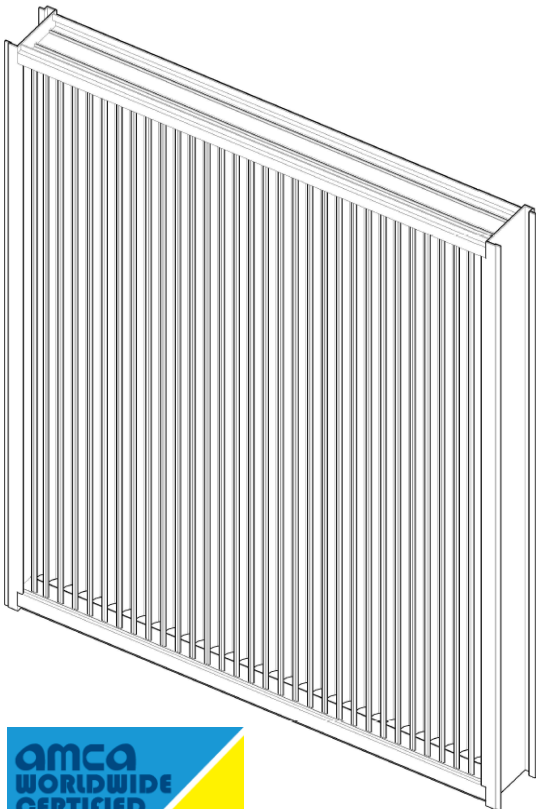
Double structure of vertical and horizontal

- FRAME Extruded 6063-T5 Aluminum
- BLADE 6063-T5 of 1.5 ~ 2.0mm thickness

- Minimum size
(W) 12 in. , (H) 12 in.
- Maximum size
(W) 96 in. , (H) 120 in.

- ◆ OPTIONS
 - Bird and Insect screens (Stainless steel)
 - Duct flange (Steel)
 - Fire damper (Steel)
 - Other parts

Technical Advisor Companies : SANKI LOUVER CO., LTD. [JAPAN]

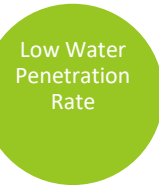


Proof of reliability

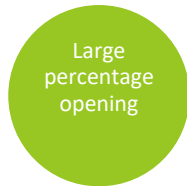
GE-127/50 is suitable for using in prestige mega size project around the country.
With its low water penetration rate and high permissible ventilation performance.
We, G.E. louver, offer variety of Storm-proof/ Wind-driven louvers in different models and shape.

Minimize rain penetration under strong wind pressure.

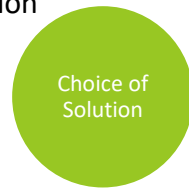
With high percentage of Free Area.
(i.e. High free opening ratio)



Good in Wind-driven Performance the ventilation rate



We have choice of solution to fit different project requirement.



Simple and stylish line design light up the boring image



"G.E. Aluminum Technology Co., Ltd. certifies that the GE-127/50 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 Rating Seal applies to water penetration, air performance and wind driven rain ratings only.

**Rainfall rate of 8" per hour (203mm) and
a wind velocity of 50 mph (81 kph)**

Ventilation Air Velocity (m/s)	Core Velocity (fpm)	Rating Effectiveness	Class
0.0	0	100%	A
0.5	96	100%	A
1.0	197	100%	A
1.5	288	100%	A
2.0	396	100%	A
2.5	482	100%	A
3.0	588	100%	A
3.5	691	100%	A
4.0	792	100%	A
4.5	888	99.9%	A
5.0	984	99.7%	A

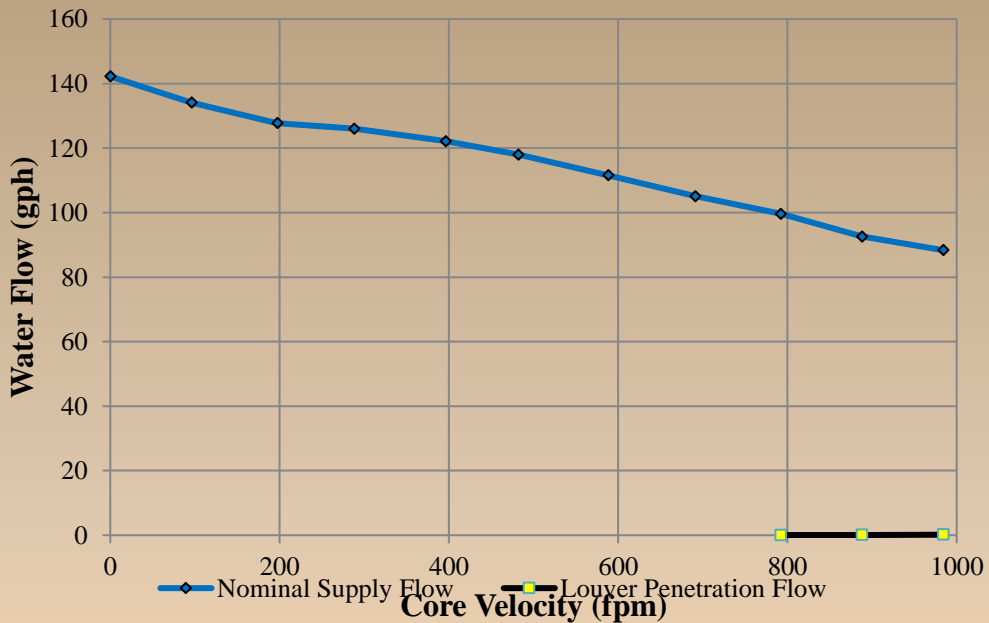
Effectiveness Rating A= 1 to 0.99 B= 0.989 to 0.95 C= 0.949 to 0.80 D< 0.80

Discharge Loss Coefficient Class : 3

WIND DRIVEN RAIN TEST

Wind Driven Rain

Unit test size (48" x 48")
Conducted according to AMCA Standard 500-L, Figure 5.11



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▪ GE-127/50 Louver Free Area (Test Sample 48"x48")(SQ.FT.)

Height-inches

Width-inches

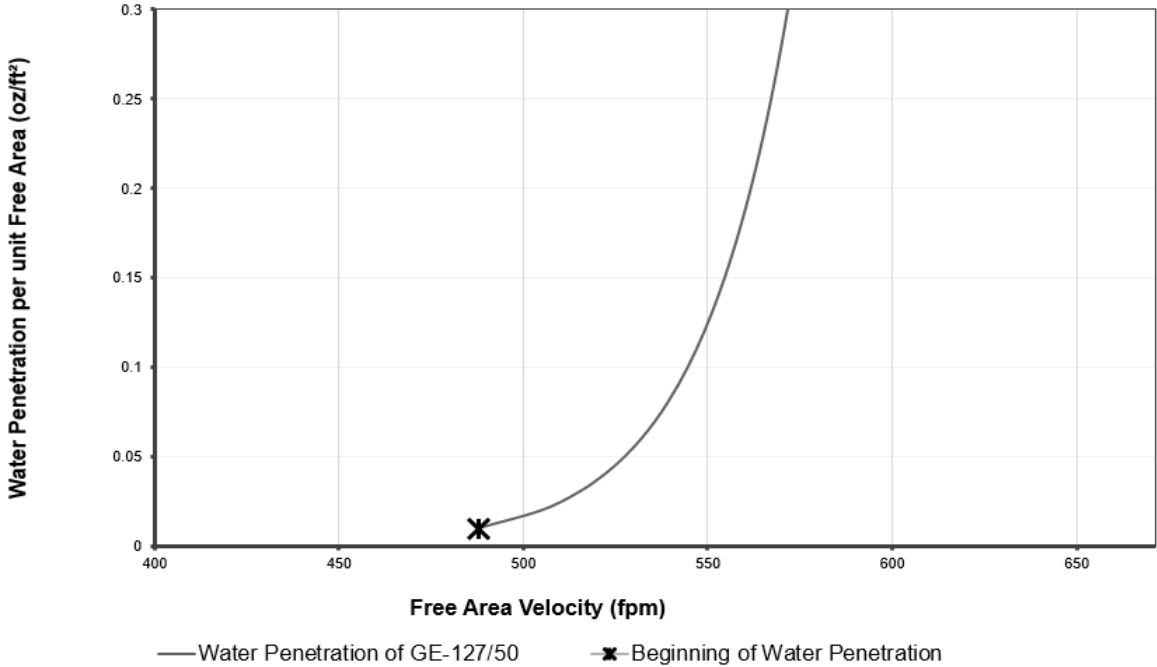
	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
12	0.00	0.07	0.15	0.22	0.29	0.36	0.44	0.51	0.58	0.66	0.73	0.80	0.87	0.95	1.02	1.09	1.16	1.24	1.31
18	0.00	0.22	0.45	0.67	0.89	1.12	1.34	1.56	1.78	2.01	2.23	2.45	2.68	2.90	3.12	3.35	3.57	3.79	4.02
24	0.00	0.40	0.81	1.21	1.62	2.02	2.43	2.83	3.24	3.64	4.05	4.45	4.85	5.26	5.66	6.07	6.47	6.88	7.28
30	0.00	0.51	1.03	1.54	2.05	2.57	3.08	3.60	4.11	4.62	5.14	5.65	6.16	6.68	7.19	7.71	8.22	8.73	9.25
36	0.00	0.65	1.31	1.96	2.61	3.27	3.92	4.58	5.23	5.88	6.54	7.19	7.84	8.50	9.15	9.80	10.46	11.11	11.77
42	0.00	0.79	1.59	2.38	3.17	3.96	4.76	5.55	6.34	7.14	7.93	8.72	9.52	10.31	11.10	11.89	12.69	13.48	14.27
48	0.00	0.96	1.93	2.89	3.86	4.82	5.78	6.75	7.71	8.67	9.64	10.60	11.57	12.53	13.49	14.46	15.42	16.38	17.35
54	0.00	1.09	2.19	3.28	4.38	5.47	6.57	7.66	8.75	9.85	10.94	12.04	13.13	14.23	15.32	16.41	17.51	18.60	19.70
60	0.00	1.23	2.47	3.70	4.94	6.17	7.41	8.64	9.87	11.11	12.34	13.58	14.81	16.04	17.28	18.51	19.75	20.98	22.22
66	0.00	1.37	2.75	4.12	5.50	6.87	8.24	9.62	10.99	12.36	13.74	15.11	16.49	17.86	19.23	20.61	21.98	23.35	24.73
72	0.00	1.52	3.04	4.56	6.08	7.60	9.13	10.65	12.17	13.69	15.21	16.73	18.25	19.77	21.29	22.81	24.33	25.85	27.38
78	0.00	1.67	3.35	5.02	6.70	8.37	10.05	11.72	13.40	15.07	16.75	18.42	20.10	21.77	23.45	25.12	26.80	28.47	30.15
84	0.00	1.81	3.63	5.44	7.26	9.07	10.89	12.70	14.52	16.33	18.14	19.96	21.77	23.59	25.40	27.22	29.03	30.85	32.66
90	0.00	1.95	3.91	5.86	7.82	9.77	11.72	13.68	15.63	17.59	19.54	21.49	23.45	25.40	27.36	29.31	31.26	33.22	35.17
96	0.00	2.10	4.20	6.30	8.40	10.49	12.59	14.69	16.79	18.89	20.99	23.09	25.19	27.28	29.38	31.48	33.58	35.68	37.78

WIND DRIVEN RAIN TEST

*These data is the numerical value in the test sample for AMCA’s test which Extra Frame was attached to.
 Tested product outside dimension is 1219mmx1219mm(48in.x48in.).

THE BEGINNING OF WATER PENETRATION IS 487.7 FPM,

Water Penetration of GE-127/50



Water penetration

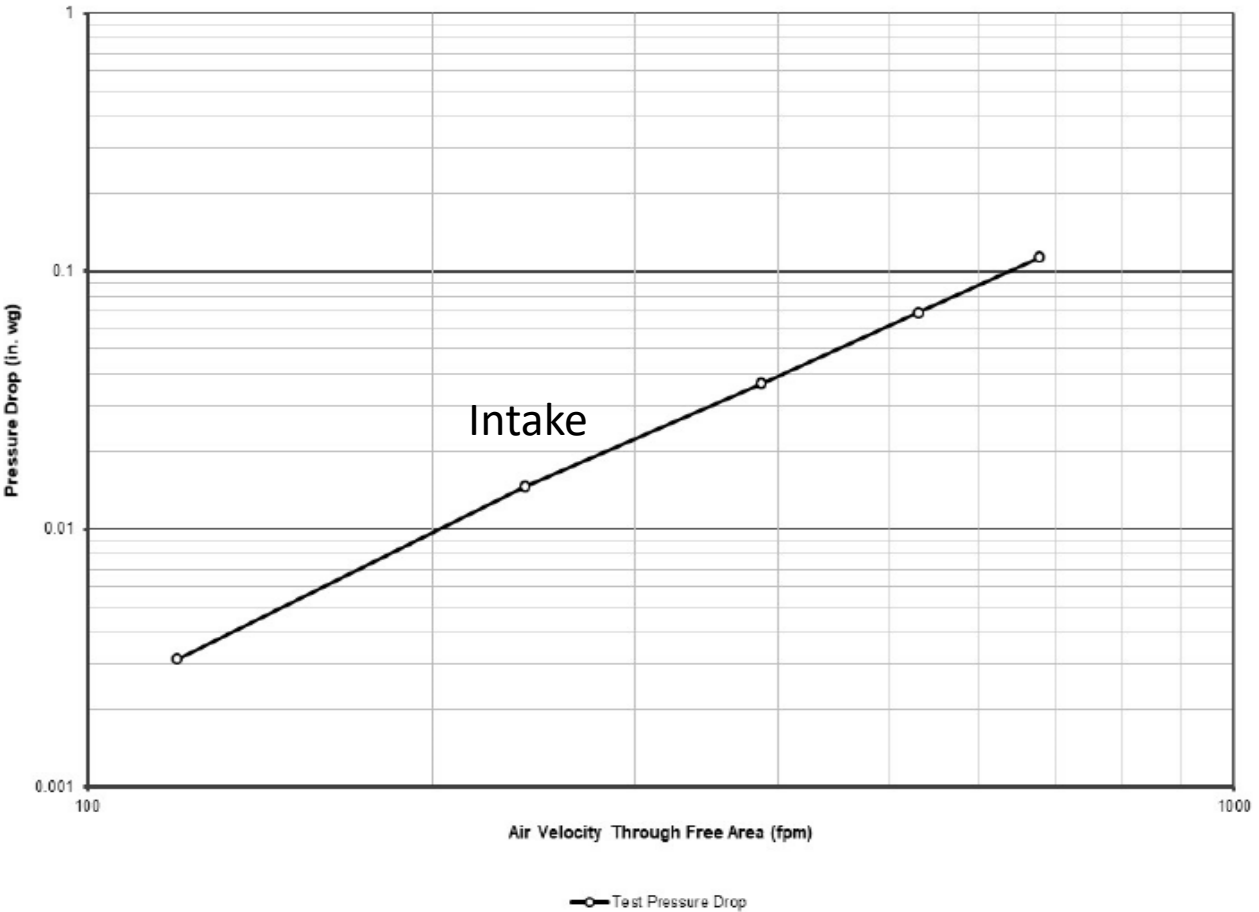
**Free Area
Velocity (fpm) Pressure
Drop (in.wg)**

120	0.003
241	0.015
387	0.037
531	0.069
677	0.11

Air Performance

Unit test size(48"x48")

Airflow rate at standard air density and the AMCA figure 5.5



PRESSURE DROP TEST

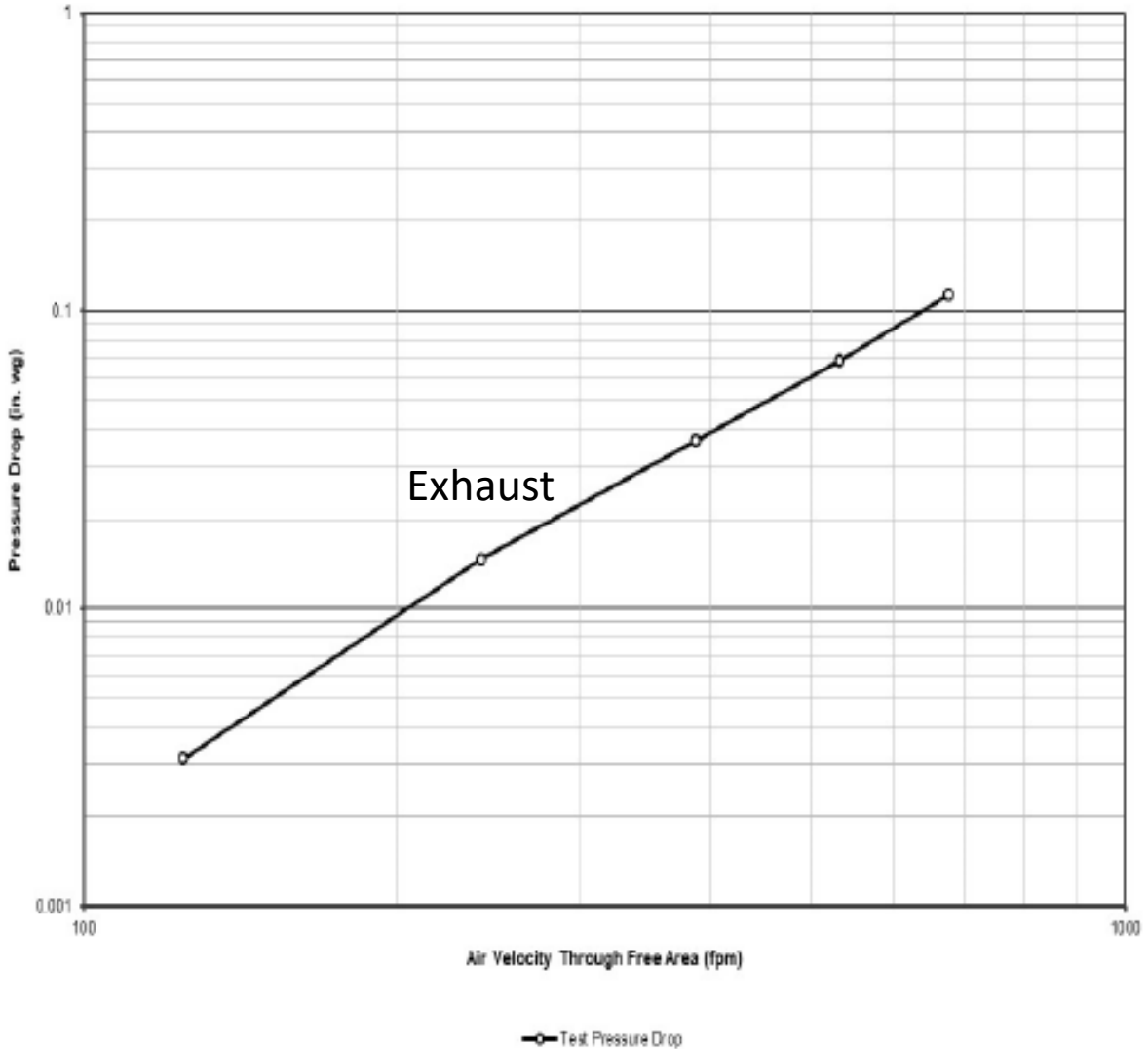
Free Area Velocity (fpm)	Pressure Drop (in.wg)
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125	0.003
241	0.015
387	0.037
531	0.068
676	0.11

Air Performance

Unit test size(48"x48")

Airflow rate at standard air density and the AMCA figure 5.5



PRESSURE DROP TEST



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