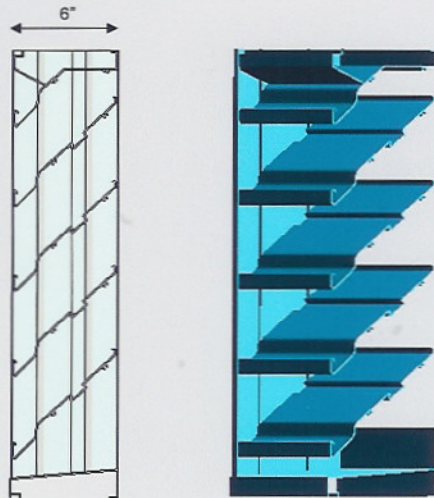




AZEN MANUFACTURING PTE LTD

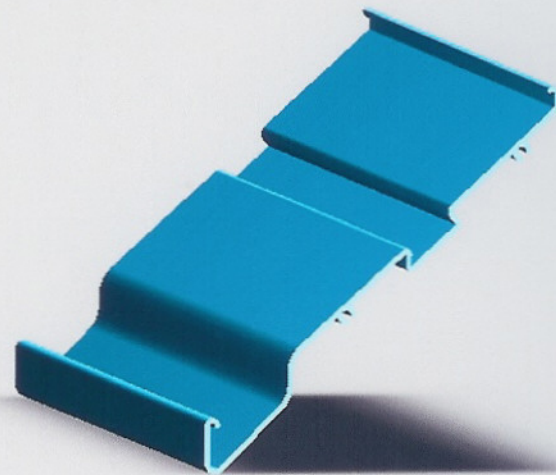
High Efficiency WEATHER LOUVER

Model : HPL-150 DD



FEATURES

- ◆ High efficiency weather louvers
- ◆ Stationary double drainable
- ◆ Extreme low water penetration
- ◆ Low pressure drop across louvers
- ◆ Designed for high velocity for intake exhaust
- ◆ Excellent strength and stability for windload with heavy gauge construction
- ◆ Excellent corrosion resistant
- ◆ Performance test in accordance to AMCA 500-L-99



Low Profile Aerodynamic Blades

TECHNICAL SPECIFICATION

Dimension

- ◆ 6" deep, AA6063T5 extruded aluminium with 0.081" (2.4mm) nominal wall thickness
- ◆ Minimum sizes of 12" W x 12" H (305mm x 305mm)
- ◆ Maximum panel sizes of 96" W x 96" H (2440mm x 2440mm)
- ◆ Larger dimensions available - consult factory

Blades

- ◆ 6063T5 extruded aluminum
- ◆ 45° drainable blades

Water Penetration

- ◆ Beginning point of penetration at 0.01 oz./sq ft (3.0g/m²) at 1048 fpm (5.32 m/s)

Free Area

- ◆ Approximately 51% of free area

Finishes

- ◆ Mill Finish (standard)
- ◆ Other options available as per request

Screen (optional)

- ◆ Bird screen
- ◆ Insect screen

Azen Manufacturing Pte Ltd
29 Kian Teck Drive Singapore 628846
Tel: (65) 62610277 Fax: (65) 62617785

Website : www.azen.com.sg
Email : azen@pacific.net.sg



MEMBER



CERT NO.: QSP00006



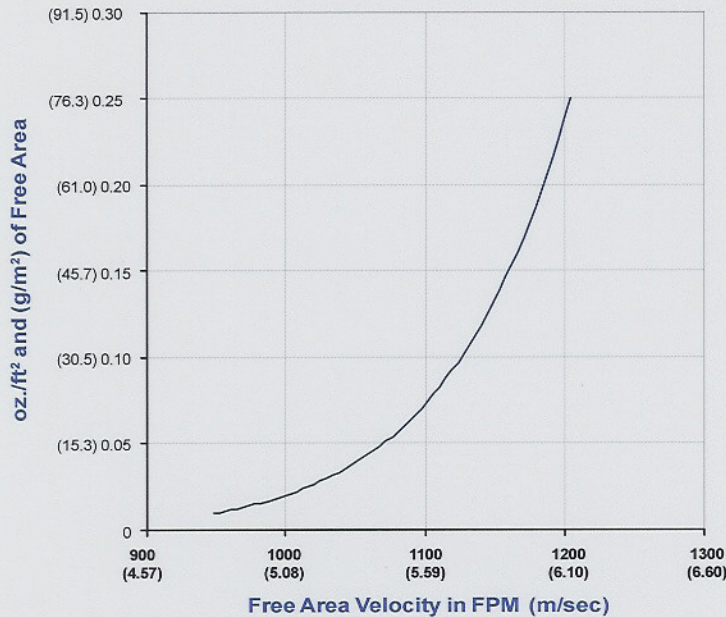
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Performance Data

Model : HPL-150 DD

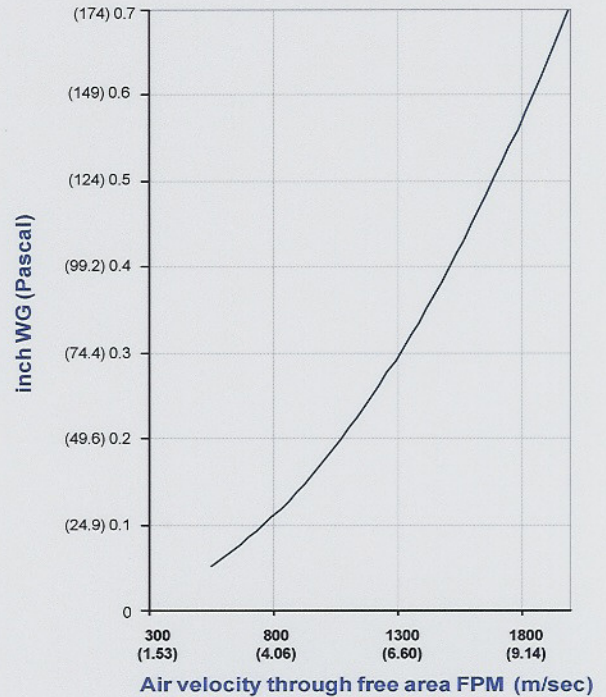
WATER PENETRATION TEST

15 minutes test period. Standard air 0.75 lb/ft³
 Louver size: Width 48" x Height 48" (1219mm x 1219mm)
 Water Penetration Point @ 0.01 oz./ft²
 is 1048 FPM (319.4 m/min)



PRESSURE DROP

0.15 in. wg (37.3 Pa)
 at 1048 FPM (319.4 m.min)



FREE AREA IN FT² (m²)

H	W	12	24	36	48	60	72	84	96
		0.30	0.61	0.91	1.22	1.52	1.83	2.13	2.44
12	0.30	0.33 0.031	0.75 0.069	1.16 0.11	1.15 0.15	1.98 0.18	2.40 0.22	2.81 0.26	3.22 0.30
24	0.61	0.75 0.07	1.70 0.16	2.64 0.25	3.58 0.33	4.52 0.42	5.46 0.51	6.40 0.59	7.34 0.68
36	0.91	1.31 0.12	2.94 0.27	4.57 0.04	6.19 0.58	7.82 0.73	9.45 0.88	11.08 1.03	12.71 1.18
48	1.22	1.74 0.16	3.90 0.36	6.06 0.56	8.22 0.76	10.38 0.96	12.54 1.17	14.70 1.37	16.86 1.57
60	1.52	2.26 0.21	5.08 0.47	7.90 0.73	10.71 1.00	13.53 1.26	16.35 1.52	19.16 1.78	21.98 2.04
72	1.83	2.81 0.26	6.32 0.59	9.82 0.91	13.33 1.24	16.83 1.56	20.33 1.89	23.84 2.22	27.34 2.54
84	2.13	3.24 0.30	7.27 0.68	11.30 1.05	15.34 1.43	19.37 1.80	23.40 2.17	27.43 2.55	31.47 2.92
96	2.44	3.79 0.35	8.51 0.79	13.23 1.23	17.95 1.67	22.67 2.11	27.39 2.55	32.11 2.98	36.83 3.42

* Rating do not include the effect of a bird screen

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