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## DRAINABLE LOUVER

SALD-A04



**ENERGY TWIN CITY**  
A TWIN CITY FAN COMPANY

CATALOGUE ID:  
ETC-SALD-2024-REV0  
November 2024

### Design Features:

- High performance drainable louver with 52.6% free area
- Pressure drop is less than 8 Pa at 2 m/s
- Frame is recessed in wall or flanged as optional
- Drainable design blade
- Face of louver is free from all fasteners

### Design Features:

- Frame: 4"(101.6mm) width x 0.081"(2mm) thick extruded aluminum, 6063-T6 alloy
- Blade: 0.081" (2mm) extruded aluminum, 6063-T6 alloy
- Finish: Mill, different RAL colors and coatings available upon request
- Minimum size: 12"W x 12"H (305mmW x 305mm H)
- Maximum size: 96"W x 96"H (2438mmW x 2438 mm H)
- Custom made larger sizes available upon request, and will require field assembly of smaller sections.

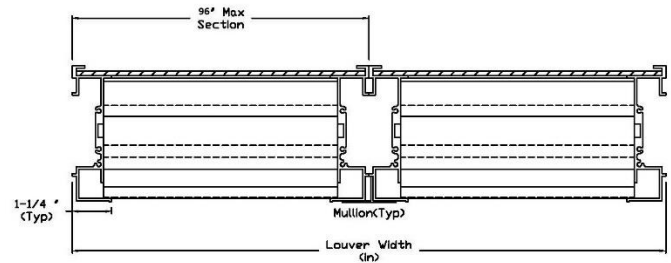
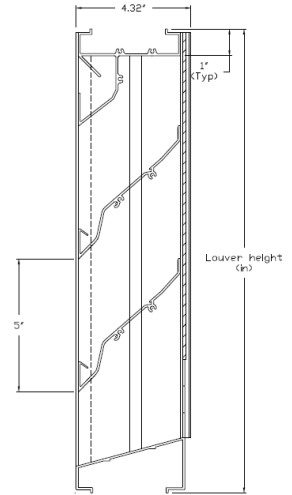
### Installation:

This louver will be recessed in the wall opening, since it is being offered with a sloped sill, from which the water will be ejected to the outside.

### Optional Construction and accessories:

- Flanged frame 1.5" (38 mm)
- 0.625" (16mm) aluminum filter in frame as standard
- Sub-Frame
- Hinged sub-frame
- Sill extension
- Security bars (front and back)
- Bird or insect screen
- Blank-off panel: insulated or non-insulated aluminum
- Special coatings and colors

Consult with **ENERGY INDUSTRIAL** for other special requirements .



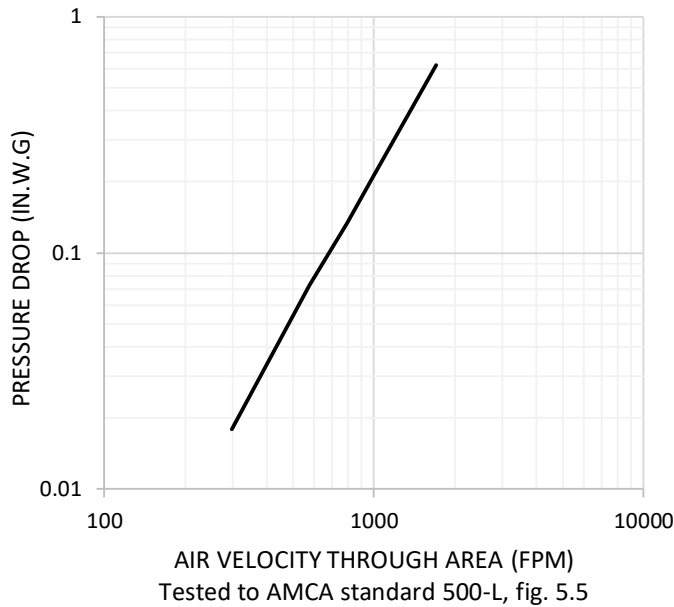
Energy Industrial certifies that the Model SALD-A04 shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to Water Penetration and Air Performance ratings only.



### Performance Data:

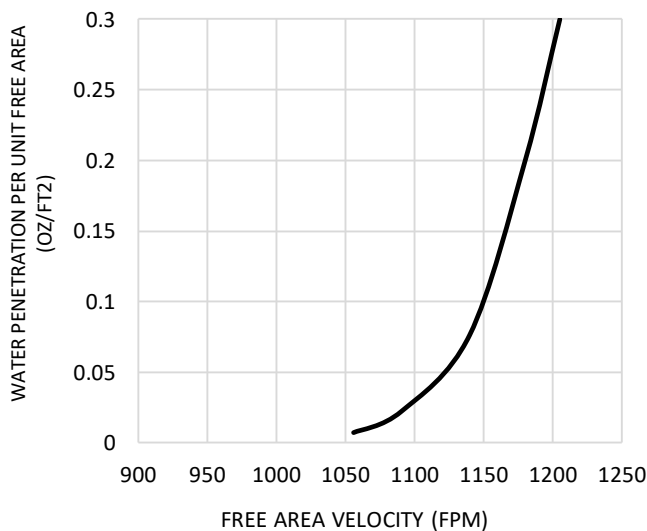
- Pressure Drop: 0.21 in. w.g. at 1000 fpm (intake)
- Free Area: 8.41 sq.ft. = 52.57% for 48"W x 48"H sample tested in accordance with AMCA Standard 500-L.
- Beginning Point of Water Penetration: 1056.1 fpm

### Pressure Drop: Intake



AMCA tested Values			
Velocity free area (fpm)	Pressure drop (in.wg)	Velocity free area (m/s)	Pressure drop (Pa)
296	0.02	1.50	4
576	0.07	2.93	18
793	0.13	4.03	33
996	0.21	5.06	53
1698	0.62	8.63	154

### Water Penetration



AMCA test results	
Velocity free area (fpm)	Net Weight (oz/ft2)
991.4	0.003
1040.7	0.005
1056	0.007
1090.5	0.022
1139.8	0.076

**Free Area Chart**

Free Area Sq. Ft (Sq. m)		Width (in) Width (m)									
		12	24	36	48	60	72	84	96	108	120
		0.305	0.610	0.914	1.219	1.524	1.829	2.134	2.438	2.743	3.048
Height (in) Height (m)	12	0.26	0.58	0.90	1.23	1.55	1.80	2.12	2.44	2.76	3.09
	0.305	0.02	0.05	0.08	0.11	0.14	0.17	0.20	0.23	0.26	0.29
	24	0.76	1.73	2.70	3.66	4.63	5.39	6.36	7.33	8.30	9.26
	0.610	0.07	0.16	0.25	0.34	0.43	0.50	0.59	0.68	0.77	0.86
	36	1.24	2.80	4.37	5.93	7.49	8.73	10.30	11.86	13.43	14.99
	0.914	0.11	0.26	0.41	0.55	0.70	0.81	0.96	1.10	1.25	1.39
	48	1.72	3.91	6.08	8.41	10.43	12.16	14.34	16.51	18.69	20.87
	1.219	0.16	0.36	0.56	0.78	0.97	1.13	1.33	1.53	1.74	1.94
	60	2.22	5.02	7.82	10.63	13.43	15.65	18.45	21.25	24.06	26.86
	1.524	0.21	0.47	0.73	0.99	1.25	1.45	1.71	1.97	2.23	2.50
	72	2.69	6.10	9.50	12.90	16.31	19.00	22.42	25.82	29.22	32.62
	1.829	0.25	0.57	0.88	1.20	1.52	1.77	2.08	2.40	2.71	3.03
	84	3.21	7.26	11.31	15.35	19.40	22.60	26.65	30.70	34.74	38.79
	2.134	0.30	0.67	1.05	1.43	1.80	2.10	2.48	2.85	3.23	3.60
	96	3.68	8.33	12.97	17.61	22.26	25.94	30.59	35.23	39.88	44.52
	2.438	0.34	0.77	1.20	1.64	2.07	2.41	2.84	3.27	3.70	4.14
	108	4.16	9.42	14.69	19.94	25.20	29.36	34.63	39.89	45.14	50.40
	2.743	0.39	0.88	1.36	1.85	2.34	2.73	3.22	3.71	4.19	4.68
120	4.66	10.54	16.43	22.31	28.20	32.86	38.74	44.63	50.51	56.39	
3.048	0.43	0.98	1.53	2.07	2.62	3.05	3.60	4.15	4.69	5.24	

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