

Galvanized Steel Louver

4" Deep · Formed Blade · Sand Louver

S461

STANDARD MATERIALS AND CONSTRUCTION

- FRAME:** 18-GA formed galvanized steel channel; 4" deep
- BLADES:** 18-GA formed galvanized steel
- ASSEMBLY:** Riveted and/or welded
- FINISH:** Mill
- SCREEN:** ½" mesh x 19-GA galvanized screen in removable frame; screen adds approximately ½" to louver depth

OPTIONS

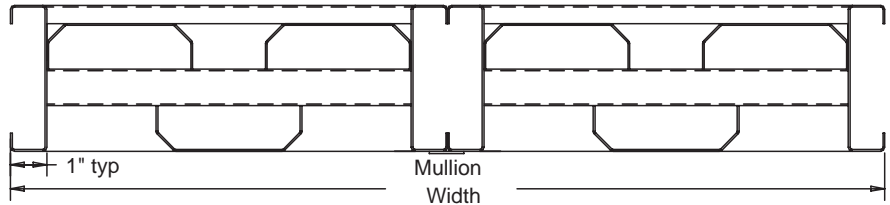
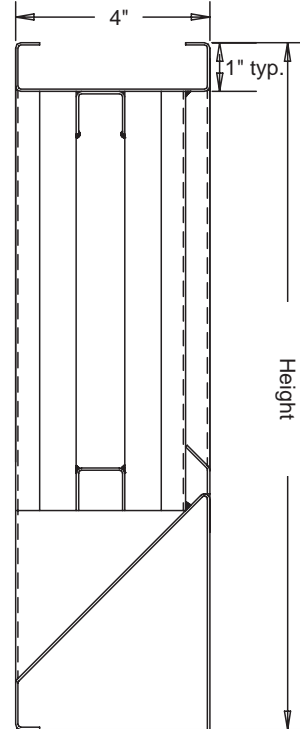
- Finishes - Baked Enamel, Kynar, Anodize
- Variety of bird and insect screens
- Formed Aluminum Construction
- Formed Stainless Steel Construction

NOTES

1. "A" width and "B" height are opening dimensions. Louvers are provided approximately ¼" undersize.
2. Sand removal efficiency approximately 90% measured during tests described in ASHRAE Standard 52-76 test method.
3. Shipping weight approximately 7 lbs./sq.ft.

LOUVER SIZES

Panels	Min Size	Max Single Panel
S461	24"W x 24"H	40 sq.ft. 96"W x 60"H 60"W x 96"H



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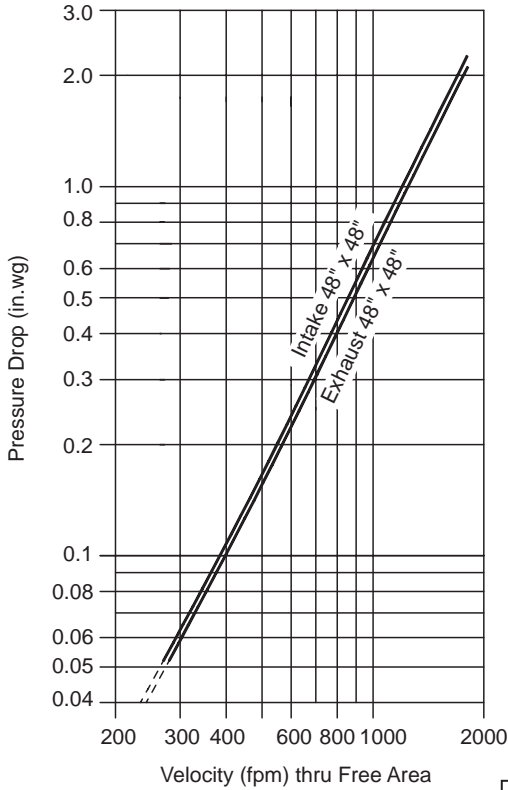
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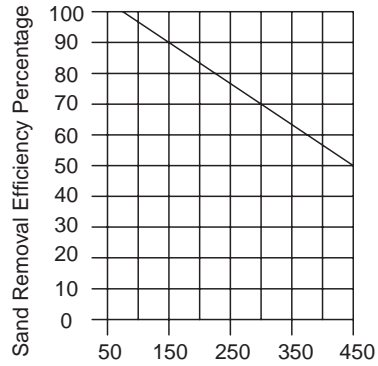
Pressure Drop: 0.70 in.wg at 1000 fpm and 5440 scfm
 Free Area: 5.44 sq.ft. = 34% for 48"W x 48"H test size

Ratings do not include the effect of birdscreen

Pressure Drop



Sand Removal Efficiency



Air Velocity in fpm through Free Area
 (Not AMCA Approved)

Designs should provide a reasonable safety factor for louver performance by selecting at some point below pressure drop or and removal requirements.

Free Area

		Width											
		24"	30"	36"	42"	48"	54"	60"	66"	72"	84"	90"	96"
Height	24"	0.91	1.22	1.52	1.83	2.13	2.44	2.74	3.05	3.35	3.98	4.27	4.57
	30"	1.25	1.67	2.09	2.50	2.92	3.34	3.78	4.17	4.59	5.42	5.84	6.28
	36"	1.29	2.12	2.65	3.18	3.71	4.24	4.77	5.30	5.83	6.88	7.41	7.94
	42"	1.93	2.57	3.21	3.85	4.49	5.14	5.78	6.42	7.06	8.35	8.99	9.83
	48"	2.25	3.02	3.77	4.53	5.44	6.03	6.79	7.54	8.30	9.81	10.56	11.31
	54"	2.60	3.47	4.33	5.20	6.07	6.93	7.80	8.67	9.53	11.27	12.13	13.00
	60"	2.94	3.92	4.90	5.87	6.85	7.83	8.81	9.79	10.77	12.73	13.71	14.69
	66"	3.27	4.37	5.46	6.55	7.64	8.73	9.82	10.91	12.01	14.19	15.28	16.37
	72"	3.61	4.82	6.02	7.22	8.43	9.63	10.83	12.04	13.24	15.65	16.85	18.06
	78"	3.95	5.26	6.58	7.90	9.21	10.53	11.85	13.16	14.48	17.11	18.43	19.74
	84"	4.29	5.71	7.14	8.57	10.00	11.43	12.86	14.28	15.71	18.57	20.20	21.43
	90"	4.62	6.16	7.70	9.25	10.79	12.33	13.87	15.41	16.95	20.03	21.57	23.11
96"	4.96	6.61	8.27	9.92	11.57	13.23	14.88	16.53	18.19	21.49	23.14	24.80	



Cesco Products certifies that the model S461 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 Seal applies to Air Performance Ratings only.

