

Model ACL48288

Acoustical Louver • 8" Deep • 8" Blade Spacing • Formed Aluminum

STANDARD CONSTRUCTION

FRAME: 14-GA aluminum.

BLADE: 16-GA aluminum Airfoil exterior with 22-GA perforated aluminum interior surface.

INSULATION: Eco-Sound insulation.

SCREEN: 1/2" sq. mesh, aluminum (.051")

FINISH: Mill.

OPTIONS

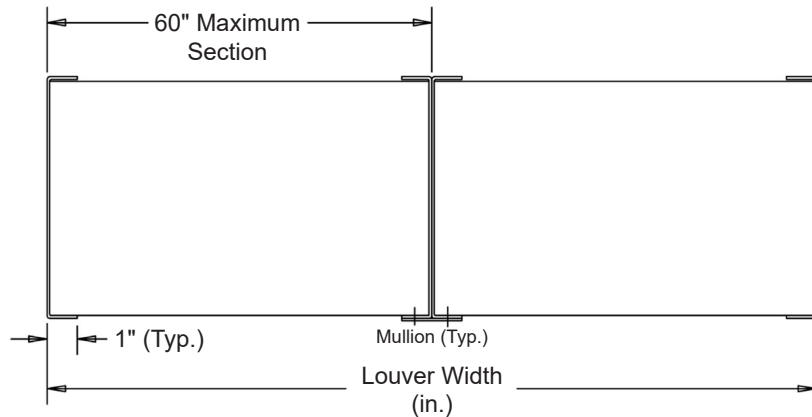
Finish - Baked Enamel, Kynar, Anodize

NOTES

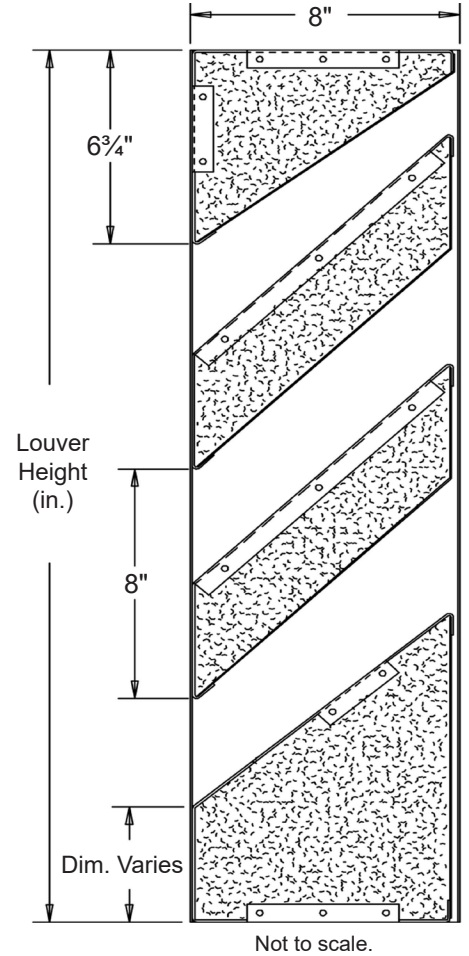
1. Nominal deductions will be made to the opening size given.

LOUVER SIZES

Min Panel	Max Single Panel
12"W x 24"H	60"W x 96"H



Louver Top View



Item #	Qty	Width	Height	Width	Height	Mullion	Type	Location				
		Opening Size		Louver Size			Screens					Union Made
Arch. / Eng. :						EDR:		ECN:		Job:		
Contractor:												
Project:						Date:		DWN:		DWG:		

In the interest of product development, Louvers & Dampers reserves the right to make changes without notice.

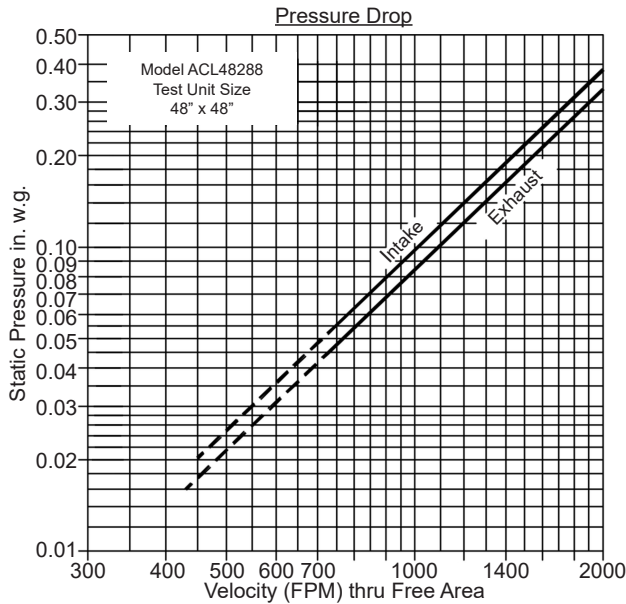
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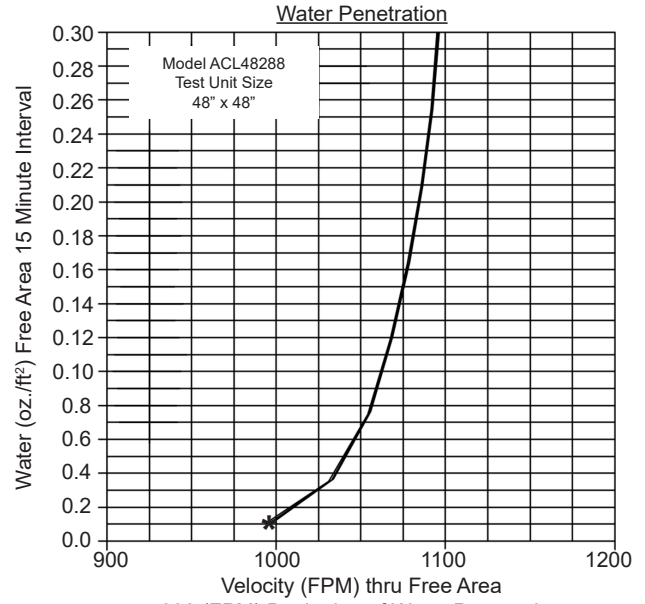


PERFORMANCE DATA

Ratings do not include effects of a screen.



Intake air converted to standard air density.
Tested to AMCA Standard 500-L, Figure 5.5.



Transmission Loss

Octave Band	1	2	3	4	5	6	7	8
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Sound Transmission Loss (db)	6	6	3	8	14	14	11	11
Free Field Noise Reduction	12	12	9	14	20	20	17	17

Attenuation

Octave Band Center Frequency (Hz)

Distance from Louver (ft)	Octave Band Center Frequency (Hz)							
	1 / 63	2 / 125	3 / 250	4 / 500	5 / 1000	6 / 2000	7 / 4000	8 / 8000
0'	12	12	9	14	20	20	17	17
24'	24	24	21	26	32	32	29	29
50'	40	39	37	40	46	46	43	43
100'	44	44	41	46	52	52	49	49
200'	50	50	47	52	58	58	55	55
500'	58	58	55	60	66	66	63	63
1000'	64	64	61	66	72	72	69	69

Attenuation chart is a combination of the Model ACL48288 sound transmission loss and the reduction of sound energy as a function of distance.

Free Area (sq. ft.)

		Width (in.)							
		12"	24"	30"	36"	42"	48"	54"	60"
Height (in.)	24"	.31	.69	.88	1.08	1.27	1.46	1.66	1.85
	36"	.66	1.50	1.92	2.34	2.76	3.18	3.60	4.02
	48"	.84	1.90	2.43	2.97	3.50	4.03	4.56	5.09
	60"	1.20	2.72	3.48	4.24	4.99	5.75	6.51	7.27
	72"	1.38	3.12	4.00	4.87	5.74	6.61	7.48	8.36
	84"	1.74	3.93	5.03	6.13	7.23	8.33	9.43	10.52
96"	1.92	4.34	5.55	6.76	7.97	9.18	10.39	11.61	