

Acoustical Louver

ACL126

12" Deep • 6" Blade Spacing • Aluminum Louver

STANDARD CONSTRUCTION

- FRAME:** 14-GA aluminum
- BLADE:** 16-GA aluminum airfoil exterior surface with 22-GA perforated aluminum interior surface
- BLADE FILL:** Sound insulation
- SCREEN:** ½" flattened aluminum mesh (.051")
- FINISH:** Mill

OPTIONS

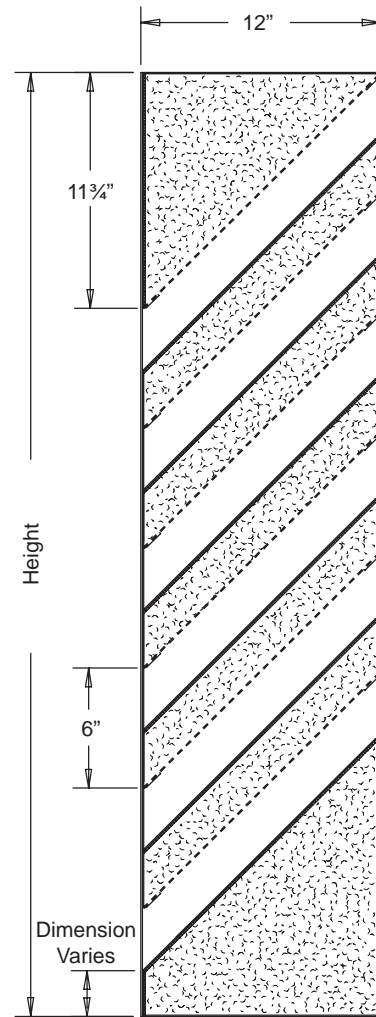
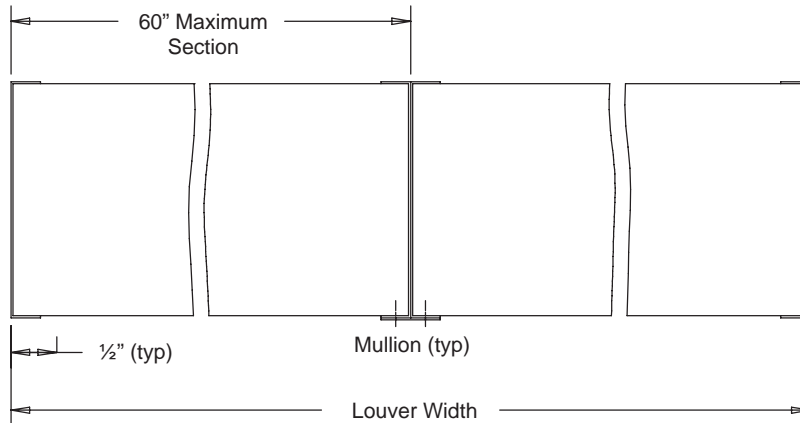
Finish - Baked Enamel, Kynar, or Anodize

NOTES

1. "A" width and "B" height are opening dimensions. Louvers are provided approximately ½" undercut.
2. Shipping louvers by commercial carrier requires at least one louver dimension not to exceed 84" in height or width.

LOUVER SIZE

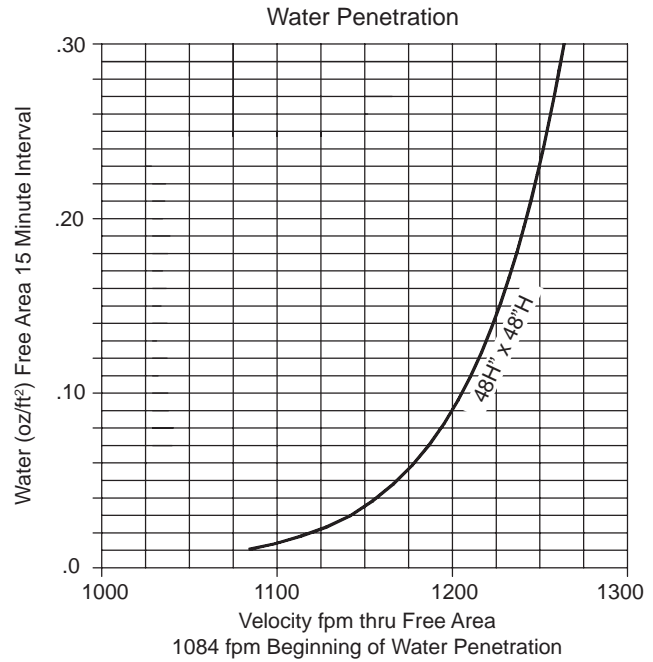
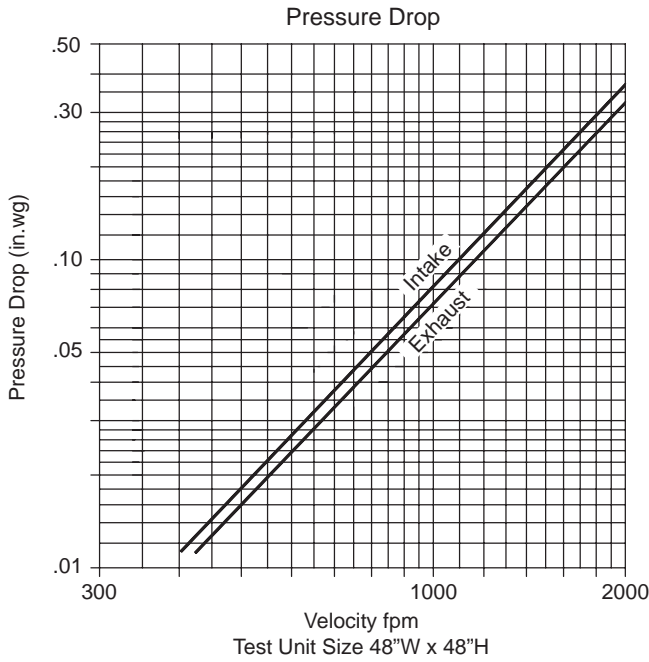
Panels	Min Panel	Max Single Panel
ACL126	12"W x 22"H	60"W x 96"H



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Sound Transmission Loss

Octive Band	1	2	3	4	5	6	7	8
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Sound Transmission Loss (db)	8	6	6	12	18	23	19	13
Free Field Noise Reduction	14	12	12	18	24	29	25	19

Attenuation

Distance From Louver	Octive Band Center Frequency (Hz)							
	1	2	3	4	5	6	7	8
	63	125	250	500	1000	2000	4000	8000
0	14	12	12	18	24	29	25	19
10	26	24	24	30	36	41	37	31
50	40	44	30	44	50	55	51	45
100	46	50	44	50	56	61	57	51
200	52	52	50	56	62	67	67	57
500	60	58	56	64	70	75	71	65
1000	66	64	64	70	76	81	77	71

The Attenuation Chart is a combination of the model ACL126 sound transmission loss and the reduction of sound energy as a function of distance.

Free Area

		Width								
		12	18	24	30	36	42	48	54	60
Height	24	.27	.44	.62	.80	.97	1.15	1.33	1.51	1.68
	36	.53	.89	1.24	1.59	1.95	2.30	2.66	3.01	3.36
	48	.80	1.33	1.86	2.39	2.93	3.45	3.98	4.52	5.05
	60	1.06	1.77	2.48	3.19	3.90	4.60	5.31	6.02	6.73
	72	1.33	2.21	3.10	3.98	4.87	5.76	6.64	7.53	8.41
	84	1.59	2.66	3.72	4.78	5.84	6.91	7.97	9.03	10.09
	96	1.86	3.10	4.34	5.58	6.82	8.06	9.30	10.45	11.78