

AS88AC45H & GS88AC45H

STANDARD MATERIALS AND CONSTRUCTION

FRAME: 14 GA. aluminum or 16 GA. galvanized steel.

BLADE: 16 GA. aluminum Airfoil exterior with 22 GA. perforated aluminum interior surface or 18 GA. galvanized steel airfoil exterior with 22 GA. galvanized perforated steel interior surface.

INSULATION: Eco-Sound insulation.

SCREEN: 1/2" sq. mesh, aluminum (.051") or 1/2" sq. mesh, galvanized steel (.041")

FINISH: Mill.

OPTIONS

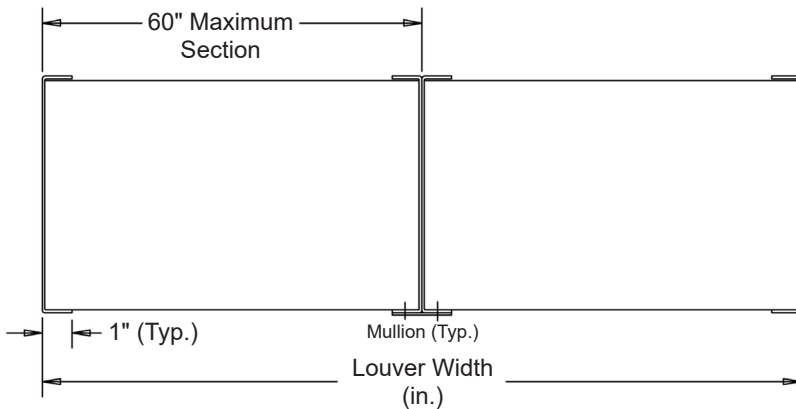
Finish - Baked Enamel, Kynar, Anodize

NOTES

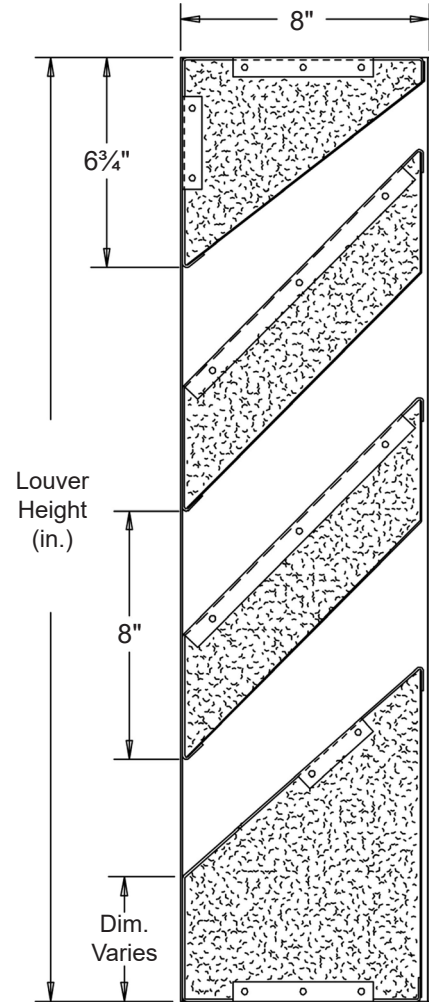
1. 1/2" nominal deduction will be made to the opening size given.

LOUVER SIZES

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




Louver Top View



Not to scale.

Nominal Deductions will be made to the opening size given.

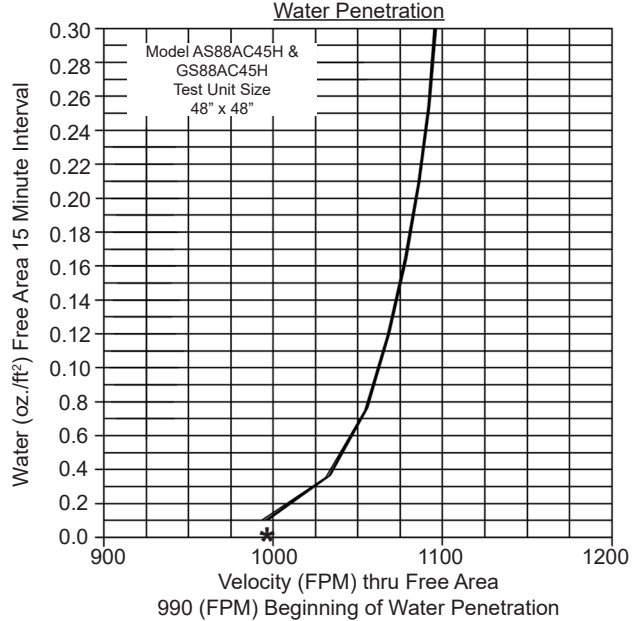
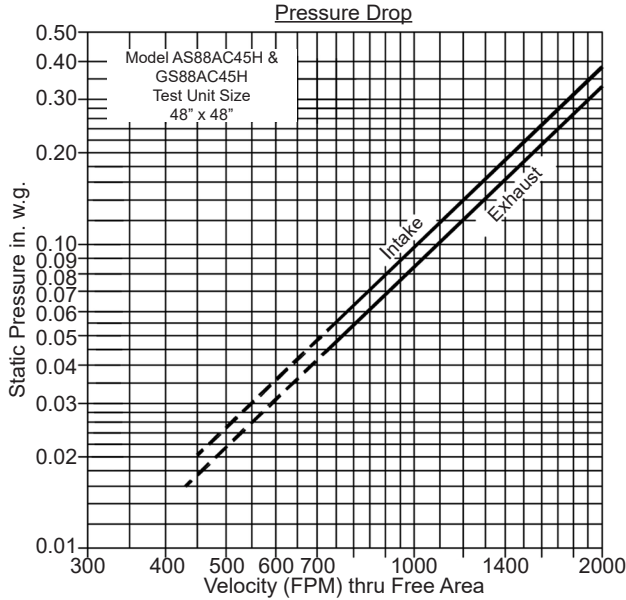
In the interest of product development, Airline Louvers reserves the right to make changes without notice.

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

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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
10'	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 Models AS88AC45H & GS88AC45H 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	