AIRLINE™ LOUVERS

GS88AC45H

STANDARD MATERIALS AND CONSTRUCTION

FRAME: 16-GA galvanized steel.
BLADE: 18-GA galvanized steel airfoil exterior with 22-GA galvanized perforated steel interior surface.
INSULATION: Eco-Sound insulation.
SCREEN: ½" sq. mesh, galvanized steel (.041")
FINISH: Mill.

OPTIONS

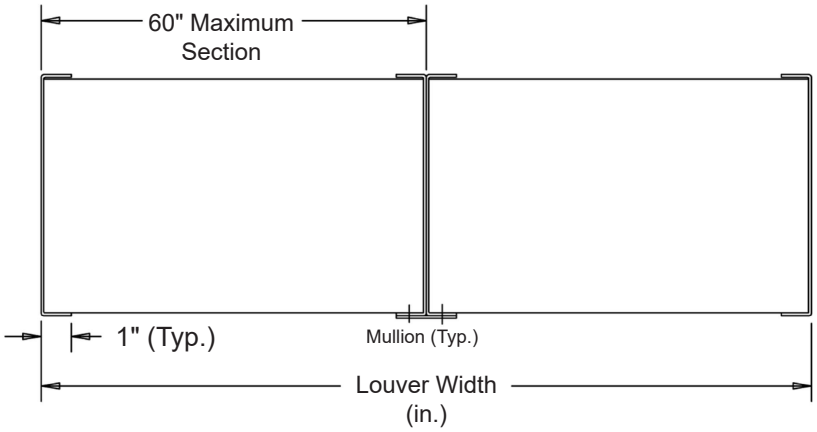
Finish - Baked Enamel, Kynar, Anodize

NOTES

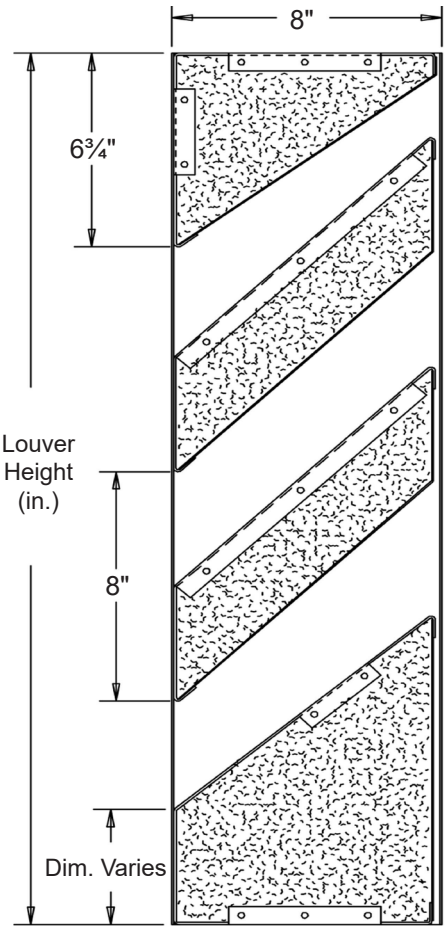
1. Nominal deductions will be made to the opening size given.

LOUVER SIZES

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



Louver Top View



Not to scale.

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		
		Opening Size		**Louver Size**			**Screens**			**Union Made**
Arch. / Eng. :						**EDR:**		**ECN:**		**Job:**
Contractor:										
Project:						**Date:**		**DWN:**		**DWG:**

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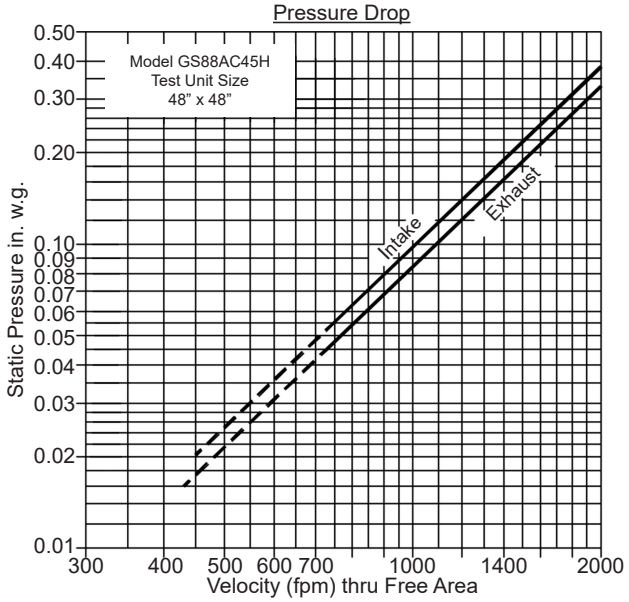
GS88AC45H

PERFORMANCE DATA

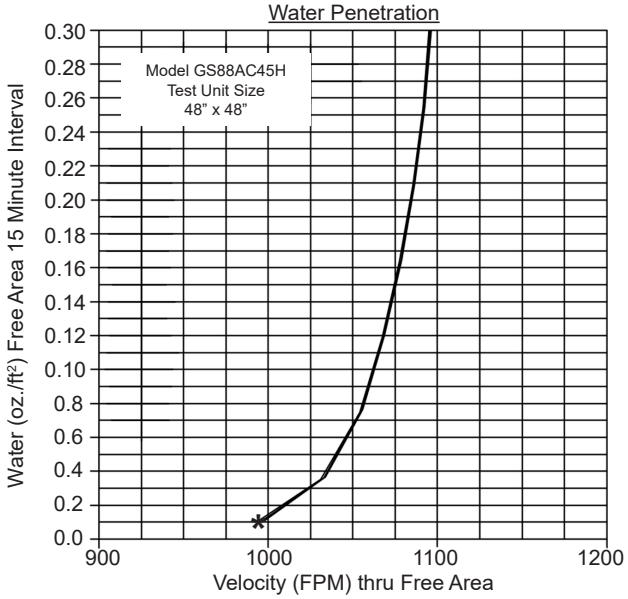
Ratings do not include effects of a screen.

Pressure Drop



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

Water Penetration



990 (FPM) Beginning of Water Penetration

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)	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 GS88AC45H sound transmission loss and the reduction of sound energy as a function of distance.

Free Area (sq. ft.)

Height (in.)	Width (in.) 12"	24"	30"	36"	42"	48"	54"	60"
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