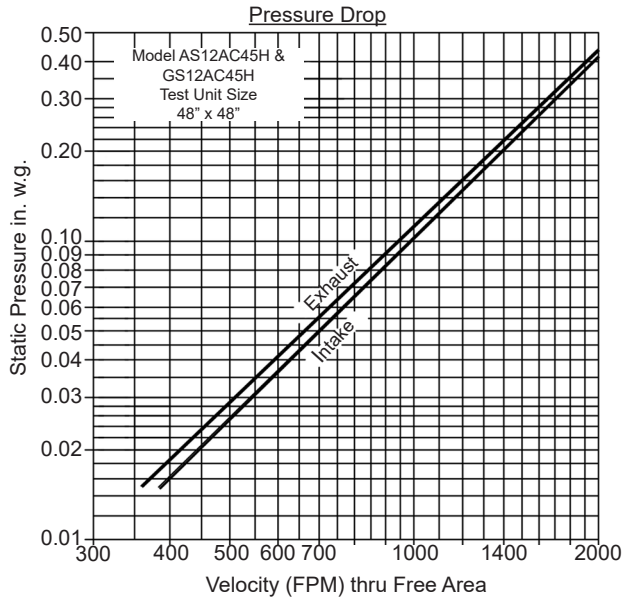


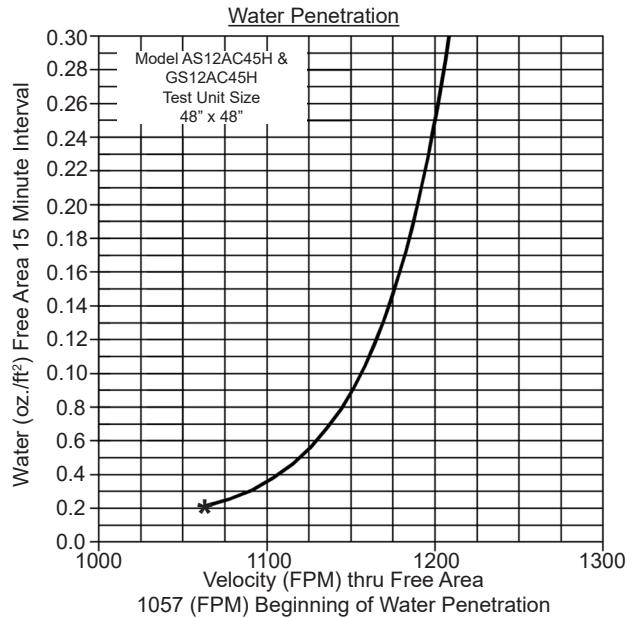
AS12AC45H & GS12AC45H

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)	8	6	4	9	14	12	11	11
Free Field Noise Reduction	14	12	10	15	20	18	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'	14	12	10	15	20	18	17	17
10'	26	24	22	27	32	30	29	29
50'	40	38	36	41	46	44	43	43
100'	46	44	42	47	52	50	49	49
200'	52	50	48	53	58	56	55	55
500'	60	58	56	61	66	64	63	63
1000'	66	64	62	67	72	70	69	69

Attenuation chart is a combination of the Model AS12AC45H & GS12AC45H sound transmission loss and the reduction of sound energy as a function of distance.

Free Area (sq. ft.)

		Width (in.)								
		12"	18"	24"	30"	36"	42"	48"	54"	60"
Height (in.)	24"	.27	.45	.63	.81	.98	1.16	1.34	1.52	1.70
	36"	.54	.90	1.25	1.61	1.97	2.33	2.69	3.04	3.40
	48"	.81	1.34	1.88	2.42	2.95	3.49	4.03	4.56	5.10
	60"	1.07	1.79	2.51	3.22	3.94	4.65	5.37	6.09	6.80
	72"	1.34	2.24	3.13	4.03	4.92	5.82	6.71	7.61	8.50
	84"	1.61	2.69	3.76	4.83	5.91	6.98	8.06	9.13	10.20
96"	1.88	3.13	4.39	5.64	6.89	8.14	9.40	10.65	11.90	