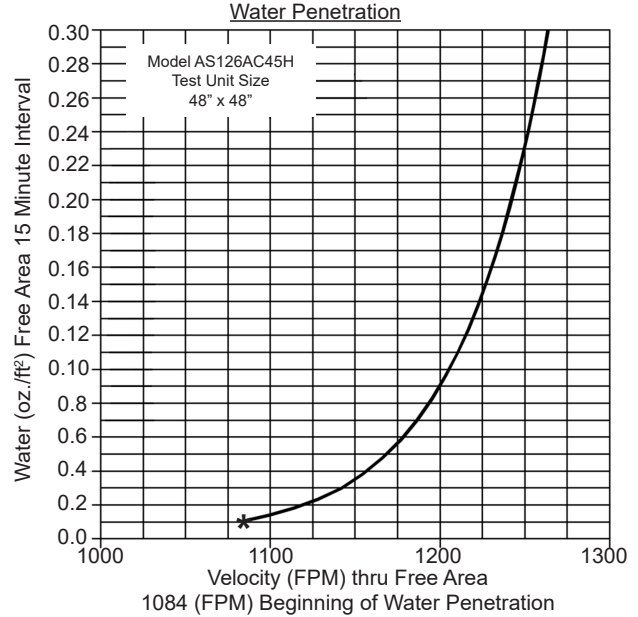
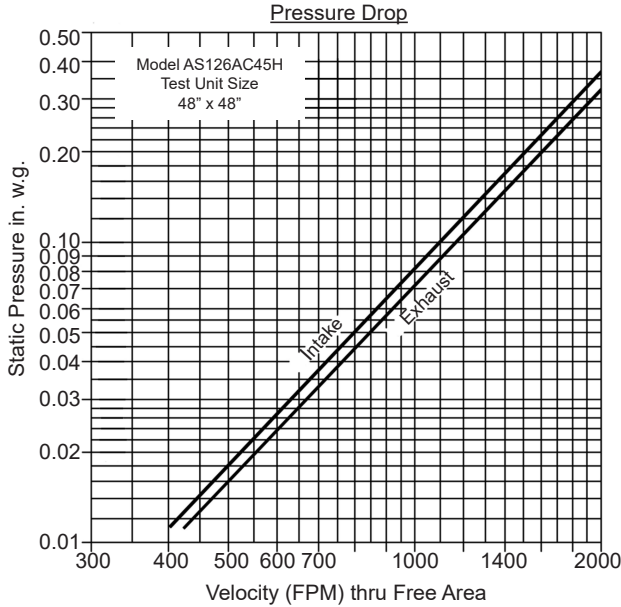




# AS126AC45H

**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	7	5	10	19	26	16	14
Free Field Noise Reduction	14	13	11	16	25	32	22	20

**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	13	11	16	25	32	22	20
10'	26	25	23	28	37	44	34	32
50'	40	39	37	42	51	58	48	46
100'	46	45	43	48	57	64	54	52
200'	52	51	49	54	63	70	60	58
500'	60	59	57	62	71	78	68	66
1000'	66	65	63	68	77	84	74	72

Attenuation chart is a combination of the Model AS126AC45H 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	.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	2.92	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	10.54	11.78