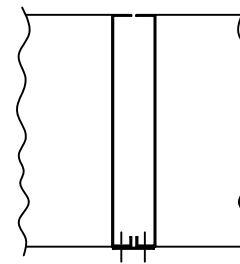
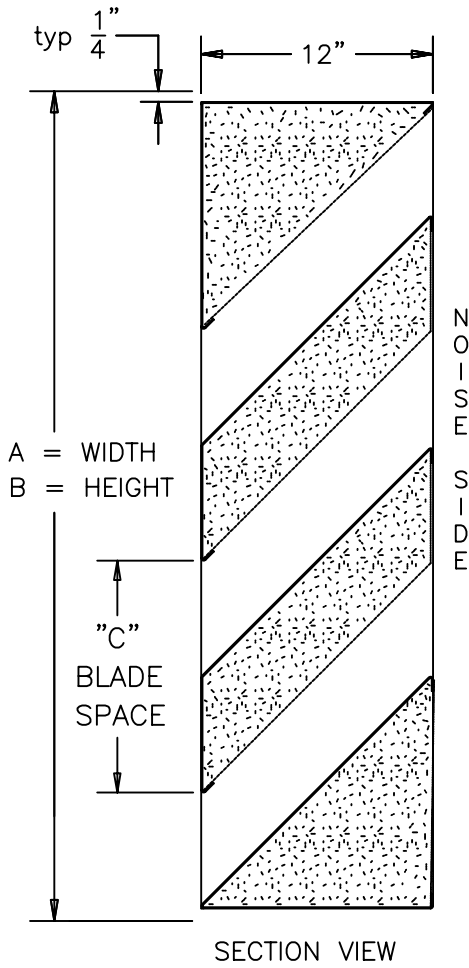


# FABRICATED GALVANIZED, 12" DEEP, HEAVY GAUGE, ACOUSTICAL FIXED TYPE BLADE

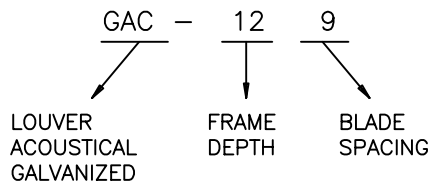
## MODEL GAC-129 STANDARD SPECIFICATIONS

- FRAME: 12" DEEP, 16 GAUGE GALVANIZED STEEL.
- BLADES: 20 GAUGE GALVANIZED STEEL (NON NOISE SIDE).  
22 GAUGE PERFORATED GALVANNEALED STEEL (NOISE SIDE).
- INSULATION: WATER RESISTANT SOUND ABSORBING MATERIAL
- FINISH: MILL.
- SCREEN: 1/2" REMOVABLE EXPANDED ALUMINUM BIRD SCREEN, LOCATED ON INTERIOR (NOISE SIDE).
- MAXIMUM PANEL SIZE : 72" x 96".
- MINIMUM PANEL SIZE : 12" x 24".
- DIMENSIONS: "A" (WIDTH) AND "B" (HEIGHT) ARE OPENING SIZES. LOUVERS ARE MADE 1/2" UNDERSIZE.



MODEL No.	"C" BLADE SPACE
GAC-129	9"

LOUVER MODEL No. DESCRIPTION



STC CLASS 21

OCTAVE BAND	1	2	3	4	5	6	7	8
FREQUENCY (Hz)	63	125	250	500	1K	2K	4K	8K
TRANSMISSION LOSS (db)	2	8	12	16	23	28	25	17
FREE FIELD NOISE REDUCTION (db)	8	14	18	22	29	34	31	23

**abi** air balance

A MESTEK COMPANY

7435 INDUSTRIAL RD  
Phone (419) 865-5000

FLORENCE, KY  
Fax (419) 865-1375

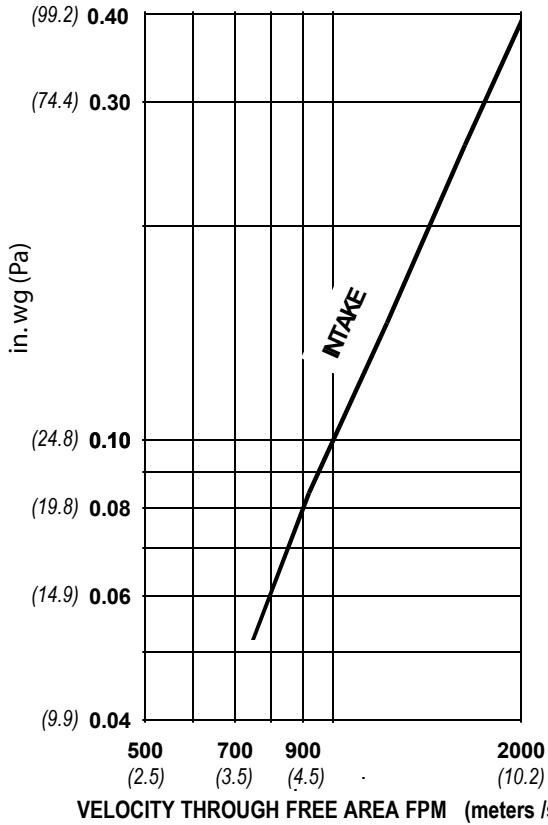
GAC-129 ACOUSTICAL LOUVER

DRN. BY ESS	DWG. NO. GAC-129	REV.
DATE 12-19-00		

**Pressure Drop**

**Free Area : 2.38 sq.ft. (0.221 sq. m.) = 15% for 48" x 48" (1.22 m x 1.22 m) test size**

**PRESSURE DROP**



**FREE AREA IN SQUARE FEET (sq. meters)**

		WIDTH							
		12	24	30	36	42	48	54	60
<b>HEIGHT</b>	in.	12	24	30	36	42	48	54	60
	mm	304	609	762	914	1066	1219	1371	1524
	20	0.23	0.51	0.65	0.79	0.94	1.08	1.22	1.36
	508	0.02	0.05	0.06	0.07	0.09	0.10	0.11	0.13
	24	0.23	0.52	0.66	0.81	0.95	1.10	1.24	1.38
	609	0.02	0.05	0.06	0.07	0.09	0.10	0.12	0.13
	36	0.36	0.82	1.05	1.28	1.51	1.74	1.97	2.20
	914	0.03	0.08	0.10	0.12	0.14	0.16	0.18	0.20
	48	0.50	1.12	1.44	1.75	2.07	2.38	2.69	3.01
	1219	0.05	0.10	0.13	0.16	0.19	0.22	0.25	0.28
	60	0.76	1.73	2.21	2.70	3.18	3.66	4.15	4.63
	1524	0.07	0.16	0.21	0.25	0.30	0.34	0.39	0.43
72	0.90	2.03	2.60	3.17	3.74	4.30	4.87	5.44	
1828	0.08	0.19	0.24	0.29	0.35	0.40	0.45	0.51	
84	1.03	2.34	2.99	3.64	4.29	4.95	5.60	6.25	
2133	0.10	0.22	0.28	0.34	0.40	0.46	0.52	0.58	
96	1.30	2.94	3.77	4.59	5.41	6.23	7.05	7.87	
2438	0.12	0.27	0.35	0.43	0.50	0.58	0.66	0.73	

standard air - .075 lbs. per cu. ft.  
Ratings do not include the effect of a bird screen

Openings that require multiple louver panels in both width and height will require internal structural supports. It is recommended that large openings be divided with structural members so that the louvers will span either width or height with a single panel. Unusually high wind loading may require structural supports on non-multiple wide and multiple high assemblies. **Structural supports and mounting accessories are not supplied as a standard.**

# **GAC-129 Acoustical Louver**