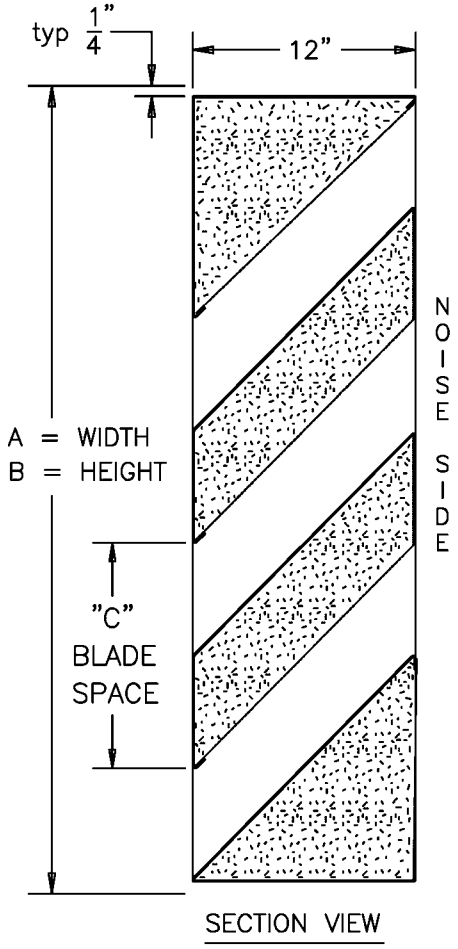
FABRICATED GALVANIZED, 12" DEEP, HEAVY GAUGE, ACOUSTICAL FIXED TYPE BLADE



SECTION VIEW

MODEL LAG–1215
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

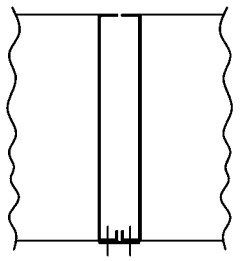
FINISH: MILL.

SCREEN: 1/2" REMOVABLE EXPANDED ALUMINUM BIRD SCREEN, LOCATED ON INTERIOR (NOISE SIDE).

MAXIMUM PANEL SIZE : 72" x 96".

MINIMUM PANEL SIZE : 12" x 36".

DIMENSIONS: "A" (WIDTH) AND "B" (HEIGHT) ARE OPENING SIZES. LOUVERS ARE MADE 1/2" UNDERSIZE.



STANDARD VERTICAL MULLION

MODEL No.	"C" BLADE SPACE
LAG–1215	15"

LOUVER MODEL No. DESCRIPTION

LAG – 12 15

- LAG: LOUVER ACOUSTICAL ALUMINUM
- 12: FRAME DEPTH
- 15: BLADE SPACING

STC CLASS 10

OCTAVE BAND	1	2	3	4	5	6	7	8
FREQUENCY (Hz)	63	125	250	500	1K	2K	4K	8K
TRANSMISSION LOSS (db)	2	6	6	9	12	11	9	11
FREE FIELD NOISE REDUCTION (db)	8	12	12	15	18	17	15	17

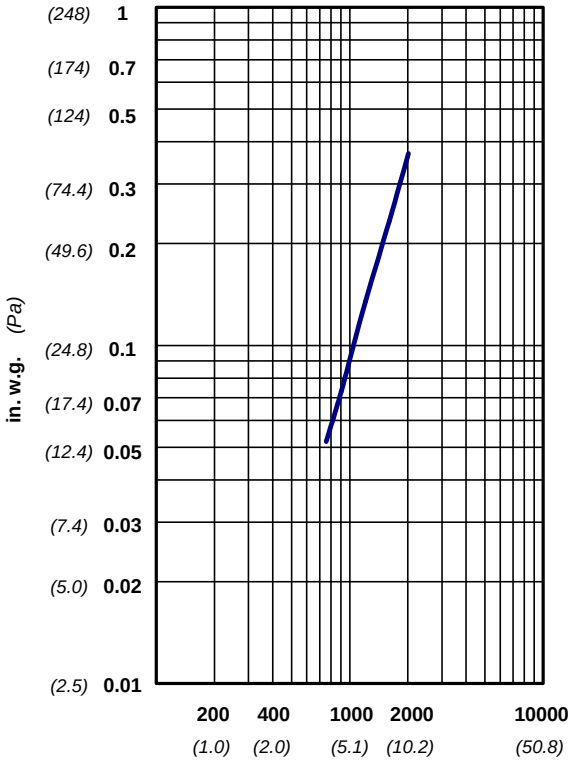
awv® american warming and ventilating
A MESTEK COMPANY
7301 INTERNATIONAL DRIVE HOLLAND, OHIO
Phone (419) 865–5000 Fax (419) 865–1375

LAG–1215 ACOUSTICAL LOUVER

DRN. BY	DWG. NO.	REV.
ESS	LAG–1215	
DATE 12–19–00		

Pressure Drop : **0.13 in wg (32.2 Pa.) at 1173 fpm (5.96 m/s) and 6487 scfm (3.06 scm/s)**
Free Area : **5.53 sq ft (0.514 sq m) = 34.6% for 48" x 48" (1.22m x 1.22m) test size**

INTAKE PRESSURE DROP



VELOCITY THROUGH FREE AREA fpm (m/s)

standard air- .075 lbs per cu ft

Ratings do not include the effect of a wire bird screen

Test based on a 48" x 48" test size per AMCA Standard 51

FREE AREA IN SQUARE FEET *(sq meters)*

	WIDTH								
HEIGHT	**in.** *mm*	**12** *305*	**18** *457*	**24** *610*	**30** *762*	**36** *914*	**48** *1219*	**60** *1524*	**72** *1829*
	36 *914*	**0.80** *0.074*	**1.31** *0.122*	**1.82** *0.169*	**2.33** *0.216*	**2.83** *0.263*	**3.85** *0.358*	**4.86** *0.452*	**5.88** *0.546*
	42 *1067*	**0.82** *0.076*	**1.34** *0.124*	**1.86** *0.173*	**2.38** *0.221*	**2.90** *0.269*	**3.94** *0.366*	**4.98** *0.463*	**6.02** *0.559*
	48 *1219*	**1.15** *0.107*	**1.88** *0.175*	**2.61** *0.242*	**3.34** *0.310*	**4.07** *0.378*	**5.53** *0.514*	**6.99** *0.649*	**8.45** *0.785*
	54 *1372*	**1.24** *0.115*	**2.02** *0.188*	**2.80** *0.260*	**3.58** *0.333*	**4.36** *0.405*	**5.92** *0.550*	**7.48** *0.695*	**9.04** *0.840*
	60 *1524*	**1.37** *0.127*	**2.23** *0.207*	**3.10** *0.288*	**3.96** *0.368*	**4.83** *0.449*	**6.56** *0.609*	**8.29** *0.770*	**10.01** *0.930*
	72 *1829*	**1.65** *0.153*	**2.69** *0.250*	**3.73** *0.347*	**4.77** *0.443*	**5.81** *0.540*	**7.89** *0.733*	**9.97** *0.926*	**12.05** *1.119*
	84 *2134*	**2.06** *0.191*	**3.36** *0.312*	**4.66** *0.433*	**5.96** *0.554*	**7.26** *0.674*	**9.86** *0.916*	**12.46** *1.158*	**15.06** *1.399*
	96 *2438*	**2.45** *0.228*	**4.00** *0.372*	**5.55** *0.516*	**7.09** *0.659*	**8.64** *0.803*	**11.74** *1.091*	**14.83** *1.378*	**17.93** *1.666*

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**.