

HORIZONTAL SECTION



STEEL ACOUSTIC LOUVER SC-1245-AC SCF-1245-AC

STANDARD SPECIFICATIONS

- CONST. - FORMED GALVANIZED STEEL OR SATIN COAT STEEL, WELDED ASSEMBLY
- FRAME - 12" X 2" X 16 GAUGE (304.8MM X 50.8MM X 1.6MM) CHANNEL, BUTT CORNERS
- BLADES - FACE: 12" X 18 GAUGE (204.8MM X 1.3MM) SET AT 45°, 12" (304.8MM) SPACING
BACK: .032" (.81MM) PERFORATED METAL WITH .125" (3.2MM) DIA. HOLES ON .219" (5.6MM) STAGGERED CENTERS
- ACOUSTIC MATERIAL - 8 LB DENSITY MINERAL WOOL
- SCREEN - .5" X .5", 18 GAUGE (12.7MM X 12.7MM) GALVANIZED, SCREW FASTENED
- FINISH - MILL GALVANIZED OR SATIN COAT
- SIZE - MINIMUM 16" W X 20" H (406.4MM X 508MM)
MAXIMUM SECTION WIDTH 72" (1828.8MM)
MAXIMUM SECTION HEIGHT 120" (3048MM)
MAXIMUM SECTION SIZE 60 SQ. FT.

OPTIONS

- FRAME - SCF-FLANGE FRAME 2" (50.8MM) USING A 4" X 12 GAUGE (101.6MM X 2.8MM) FLAT BAR
- SCREEN - AS PER REQUEST
- FINISH - BAKED ENAMEL AND OTHERS

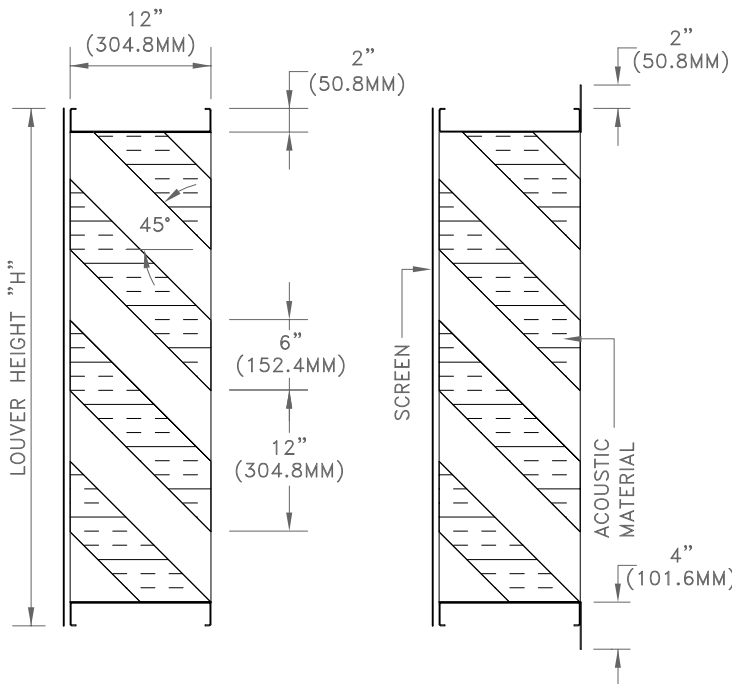
FREE AREA CHARTS AVAILABLE UPON REQUEST

TECHNICAL NOTES

MAX. REC. INTAKE VEL. - 1000 FPM THROUGH FREE AREA
SHIPPING WEIGHT - APPROX. 12 LBS/SQ. FT.

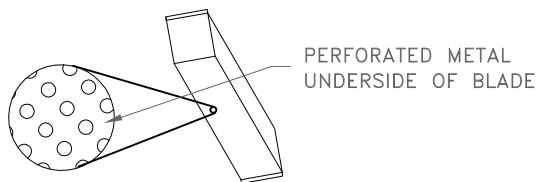
LOUVERS ARE MANUFACTURED .5" (12.7MM) SMALLER THAN ORDERED SIZE UNLESS EXACT DIMENSIONS ARE STATED.

* FOR MORE INFORMATION, CONTACT OUR FACTORY *



SC-1245-AC
VERTICAL SECTION

SCF-1245-AC
VERTICAL SECTION



BLADE SECTION

NOTES

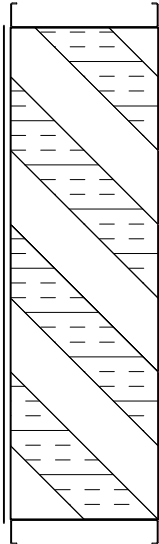
DATE:
PROJECT:
ENGINEER:
CUSTOMER:
DISTRIBUTOR:

APPROVAL

SC-1245-ACOUSTIC



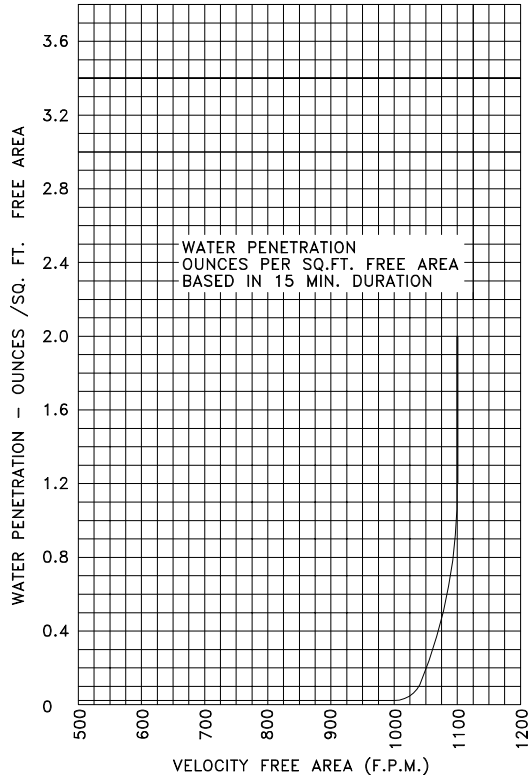
STEEL ACOUSTIC LOUVER SC-1245-AC



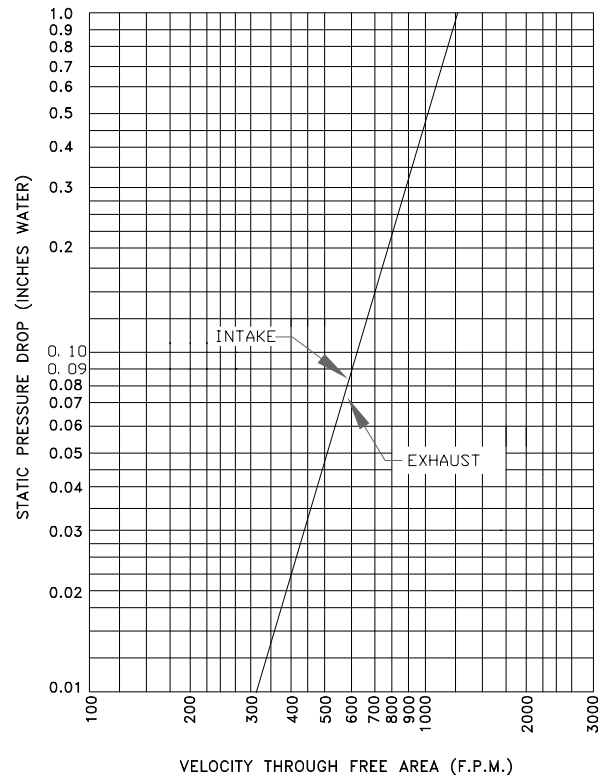
TEST
CONDITIONS:
A 48" X 48"
LOUVER WAS
USED FOR
THE TEST
AT STANDARD
AND
OPERATING
TEMPERATURE
RANGE OF
65°F - 85°F,
AND
15 MINUTES
TEST DURATION
WATER PENETRATION

	WIDTH (INCHES)										
	12	18	24	30	36	42	48	54	60	66	72
20	0.24	0.40	0.55	0.71	0.86	1.02	1.18	1.33	1.49	1.64	1.80
24	0.33	0.54	0.75	0.96	1.18	1.67	1.60	1.81	2.02	2.24	2.45
28	0.41	0.68	0.95	1.22	1.49	2.04	2.02	2.29	2.56	2.83	3.10
32	0.50	0.82	1.15	1.47	1.80	2.40	2.45	2.77	3.10	3.42	3.75
36	0.59	0.97	1.35	1.73	2.11	2.77	2.87	3.25	3.63	4.01	4.40
40	0.67	1.11	1.55	1.98	2.42	3.14	3.30	3.73	4.17	4.61	5.04
44	0.76	1.25	1.75	2.24	2.73	3.51	3.72	4.21	4.71	5.20	5.69
48	0.84	1.39	1.94	2.49	3.04	3.87	4.14	4.69	5.24	5.79	6.34
52	0.93	1.54	2.14	2.75	3.35	4.24	4.57	5.17	5.78	6.38	6.99
56	1.02	1.68	2.34	3.00	3.67	4.61	4.99	5.65	6.31	6.98	7.64
60	1.10	1.82	2.54	3.26	3.98	4.98	5.41	6.13	6.85	7.57	8.29
64	1.19	1.97	2.71	3.51	4.29	5.34	5.84	6.61	7.39	8.16	8.94
68	1.28	2.11	2.95	3.77	4.60	5.71	6.26	7.09	7.92	8.75	9.59
72	1.36	2.25	3.14	4.02	4.91	6.08	6.69	7.57	8.46	9.35	10.23
76	1.45	2.39	3.34	4.28	5.22	6.45	7.11	8.05	9.00	9.94	10.88
80	1.54	2.54	3.54	4.53	5.53	6.82	7.53	8.53	9.53	10.53	11.53
84	1.62	2.68	3.73	4.79	5.85	7.18	7.96	9.01	10.01	11.01	12.01
88	1.71	2.82	3.93	5.05	6.16	7.55	8.38	9.44	10.49	11.52	12.53
92	1.80	2.96	4.13	5.30	6.47	7.92	8.81	9.97	11.09	12.19	13.28
96	1.88	3.11	4.33	5.56	6.78	8.29	9.23	10.67	11.85	13.01	14.13
100	1.97	3.25	4.53	5.81	7.09	8.65	9.65	11.19	12.43	13.65	14.83
104	2.05	3.39	4.73	6.07	7.40	9.02	10.08	12.78	14.11	15.35	16.52
108	2.14	3.53	4.93	6.32	7.71	9.39	10.50	13.71	15.19	16.60	18.07
112	2.23	3.68	5.13	6.58	8.03	9.76	10.92	15.24	16.87	18.28	19.72
116	2.31	3.82	5.33	6.83	8.34	10.12	11.35	15.24	16.85	18.78	20.37
120	2.40	3.96	5.52	7.09	8.65	10.09	11.77	15.24	17.33	19.78	21.02

FREE AREA TABLE (SQUARE FEET)
RATING INCLUDES THE EFFECT OF A BIRDSCREEN



WATER PENETRATION GRAPH
1000 F.P.M. BEGINNING OF WATER PENETRATION
(11.36 MPH WIND)



AIR PERFORMANCE GRAPH

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