

HORIZONTAL SECTION



STEEL ACOUSTIC LOUVER SC-645-AC SCF-645-AC

STANDARD SPECIFICATIONS

- CONST. - FORMED GALVANIZED STEEL OR SATIN COAT STEEL, WELDED ASSEMBLY
- FRAME - 6" X 1.5" X 16 GA. (152.4MM X 38.1MM X 1.6MM) CHANNEL, BUTT CORNERS
- BLADES - FACE: 6" X 18 GAUGE (152.4MM X 1.3MM) SET AT 45°, 6" (152.4MM) 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 1.5" (38.1MM) USING A 3" X 12 GAUGE (76.2MM X 2.8MM) FLAT BAR
- SCREEN - AS PER REQUEST
- FINISH - MINIMUM PRIME COAT OR BAKED ENAMEL IS RECOMMENDED

TECHNICAL NOTES

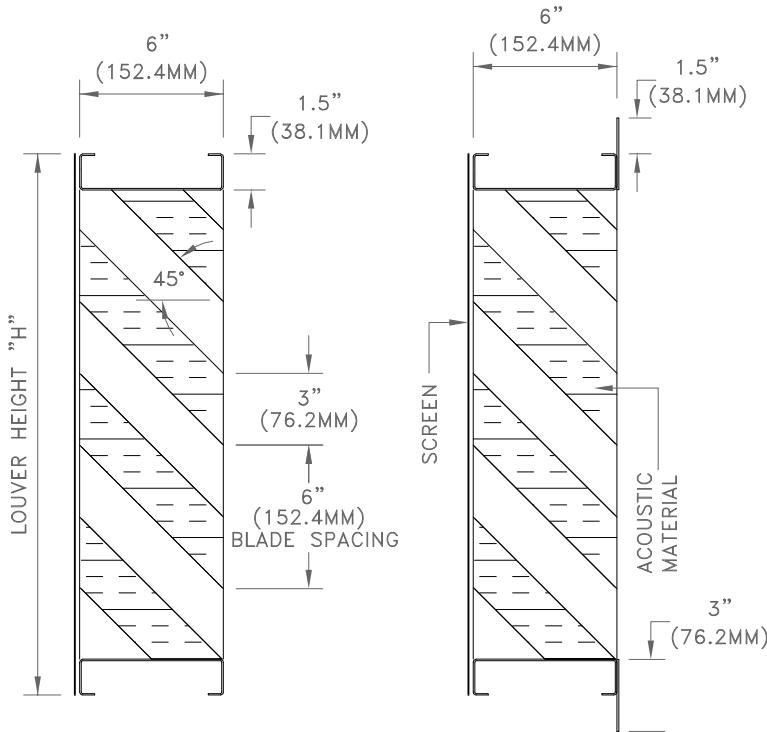
CORROSION RESISTANCE IS LOST UPON WELDING, SEE OPTIONAL FINISHES

MAX. REC. INTAKE VEL. - 700 FPM THROUGH FREE AREA
SHIPPING WEIGHT - APPROX. 10 LBS./SQ. FT.

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

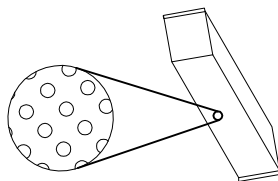
* FOR MORE INFORMATION, CONTACT OUR FACTORY *

FREE-FIELD NOISE REDUCTION IN DECIBLES								
OCTAVE BANDS CENTER FREQUENCY HZ								
DEPTH	63	125	250	500	1000	2000	4000	8000
(152.4MM)	12	8	10	13	21	24	22	23



SC-645-AC
VERTICAL SECTION

SCF-645-AC
VERTICAL SECTION



BLADE SECTION

NOTES

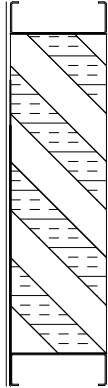
APPROVAL

DATE:
PROJECT:
ENGINEER:
CUSTOMER:
DISTRIBUTOR:

SC-645-ACOUSTIC



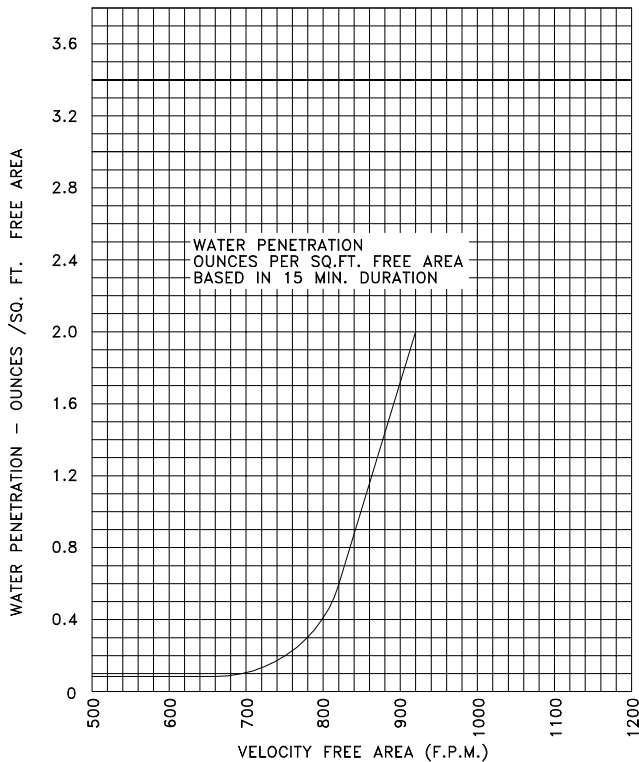
STEEL ACOUSTIC LOUVER SC-645-AC



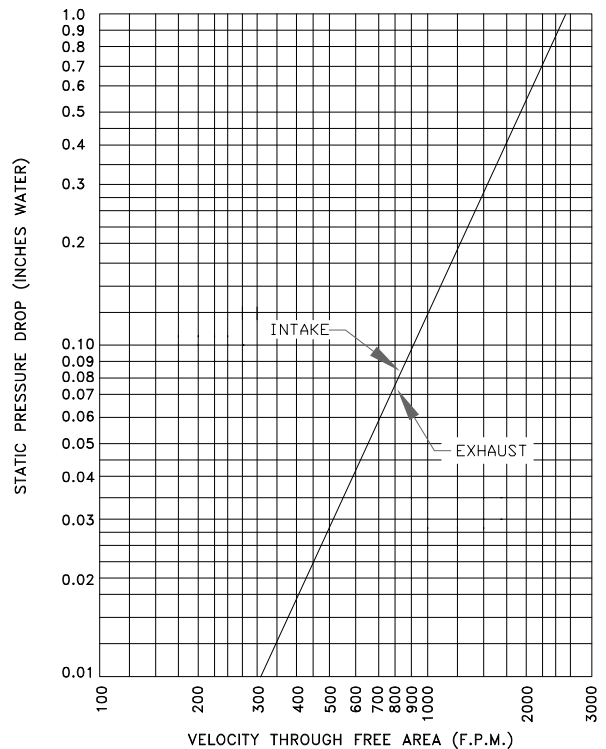
TEST
CONDITIONS:
A 48" X 48"
LOUVER WAS
USED FOR
THE TEST
AT STANDARD
AND
OPERATING
TEMPERATURE
RANGE OF
65°F - 85°F,
AND
15 MINUTES
TEST DURATION
WATER PENETRATION

		WIDTH (INCHES)										
		12	18	24	30	36	42	48	54	60	66	72
	20	0.27	0.45	0.62	0.80	0.97	1.15	1.33	1.50	1.68	1.85	2.03
HEIGHT (INCHES)	24	0.36	0.60	0.83	1.07	1.30	1.84	1.78	2.01	2.25	2.48	2.72
	28	0.45	0.75	1.04	1.34	1.63	2.23	2.23	2.52	2.82	3.12	3.41
	32	0.54	0.90	1.25	1.61	1.96	2.62	2.68	3.03	3.39	3.75	4.10
	36	0.63	1.05	1.46	1.88	2.30	3.01	3.13	3.54	3.96	4.38	4.79
	40	0.72	1.20	1.67	2.15	2.63	3.40	3.58	4.05	4.53	5.01	5.48
	44	0.81	1.35	1.88	2.42	2.96	3.79	4.03	4.57	5.10	5.64	6.17
	48	0.90	1.50	2.09	2.69	3.29	4.18	4.48	5.08	5.67	6.27	6.87
	52	0.99	1.65	2.30	2.96	3.62	4.57	4.93	5.59	6.24	6.90	7.56
	56	1.08	1.80	2.51	3.23	3.95	4.96	5.38	6.10	6.81	7.53	8.25
	60	1.17	1.95	2.72	3.50	4.28	5.35	5.83	6.61	7.38	8.16	8.94
	64	1.26	2.10	2.93	3.77	4.61	5.74	6.28	7.12	7.96	8.79	9.63
	68	1.35	2.25	3.14	4.04	4.94	6.14	6.73	7.63	8.53	9.42	10.32
	72	1.44	2.40	3.35	4.31	5.27	6.53	7.18	8.14	9.10	10.05	11.01
	76	1.53	2.55	3.56	4.58	5.60	6.92	7.63	8.65	9.67	10.68	11.70
	80	1.62	2.70	3.77	4.85	5.93	7.31	8.08	9.16	10.24	11.31	12.39
	84	1.71	2.85	3.98	5.12	6.26	7.70	8.53	9.67	10.81	11.95	13.08
88	1.80	3.00	4.19	5.39	6.59	8.09	8.98	10.18	11.38	12.58	13.77	
92	1.89	3.15	4.40	5.66	6.92	8.48	9.43	10.69	11.95	13.21	14.46	
96	1.98	3.30	4.62	5.93	7.25	8.87	9.89	11.20	12.52	13.84	15.16	
100	2.07	3.45	4.83	6.20	7.58	9.26	10.34	11.71	13.09	14.47	15.85	
104	2.16	3.60	5.04	6.47	7.91	9.65	10.79	12.22	13.66	15.10	16.54	
108	2.25	3.75	5.25	6.74	8.24	10.04	11.24	12.73	14.23	15.73	17.23	
112	2.34	3.90	5.46	7.01	8.57	10.43	11.69	13.24	14.80	16.36	17.92	
116	2.43	4.05	5.67	7.28	8.90	10.82	12.14	13.76	15.37	16.99	18.61	
120	2.52	4.20	5.88	7.55	9.23	11.22	12.59	14.27	15.94	17.62	19.30	

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



WATER PENETRATION GRAPH
700 F.P.M. BEGINNING OF WATER PENETRATION
(7.95 MPH WIND)



AIR PERFORMANCE GRAPH

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