

HORIZONTAL SECTION



ALUMINUM LOUVER

XC-445 XF-445

STANDARD SPECIFICATIONS

- CONST. - 6063-T5 EXTRUDED ALUMINUM, WELDED ASSEMBLY
- FRAME - 4" X 1" X .081" (101.6MM X 25.4MM X 2.1MM) CHANNEL UP TO 48" (1219.2MM), 4" X 1.5" X .081" (101.6MM X 38.1MM X 2.1MM) OVER 48"(1219), BUTT CORNERS
- BLADES - 4" X .081" (101.6MM X 2.1MM) SET AT 45°, 4.5" (114.3MM) SPACING, SUPPORTS AT 48" (1219.2MM) W CENTERS
- FINISH - MILL ALUMINUM
- SCREEN - .5" X .5" (12.7MM X 12.7MM) X 18 GA. GALVANIZED, SCREW FASTENED
- SIZE - MINIMUM 12" "W" X 12" "H" (304.8MM X 304.8MM)
 MAXIMUM SECTION WIDTH 144" (3657.6MM)
 MAXIMUM SECTION HEIGHT 144" (3657.6MM)
 MAXIMUM SECTION SIZE 72 SQ. FT.

OPTIONS

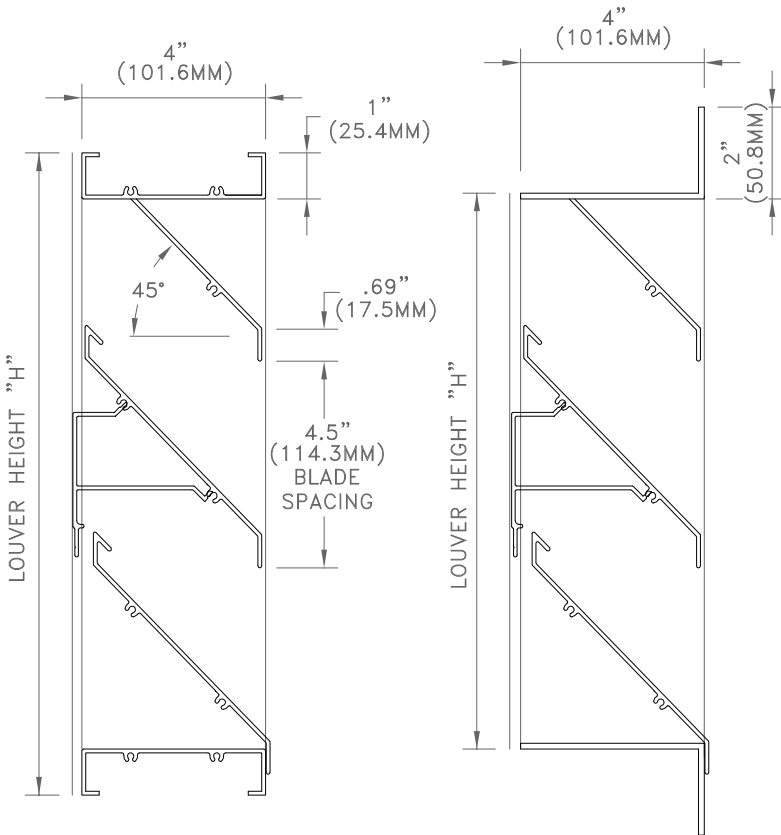
- CONST. - CONTINUOUS BLADES, ROUND, TRIANGULAR SHAPES, ETC.
- FRAME - XF-FLANGE FRAME 2" X .125" (50.8MM X 3.2MM), MITRED CORNERS
- SCREEN - AS PER REQUEST
- FINISH - BAKED ENAMEL, ANODIZED AND OTHERS

TECHNICAL NOTES

- MAX. REC. INTAKE VEL. - 700 FPM THROUGH FREE AREA
- SHIPPING WEIGHT - APPROX. 5 LBS./SQ. FT.

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

* FOR MORE INFORMATION, CONTACT OUR FACTORY *



XC-445

XF-445

VERTICAL SECTION

VERTICAL SECTION

NOTES

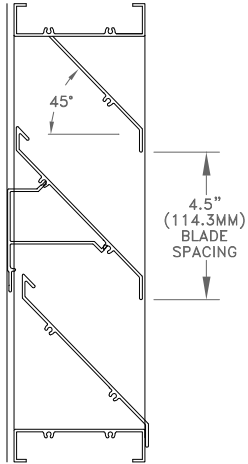
APPROVAL

DATE:
 PROJECT:
 ENGINEER:
 CUSTOMER:
 DISTRIBUTOR:

XC-445



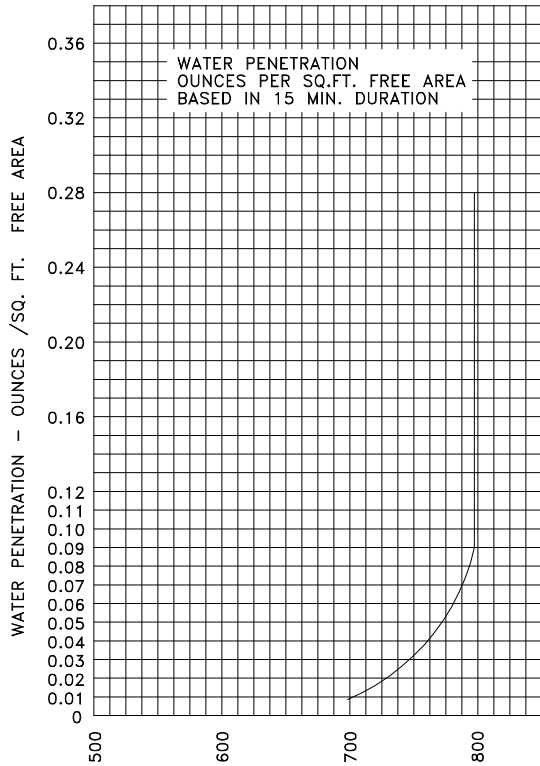
ALUMINUM LOUVER XC-445



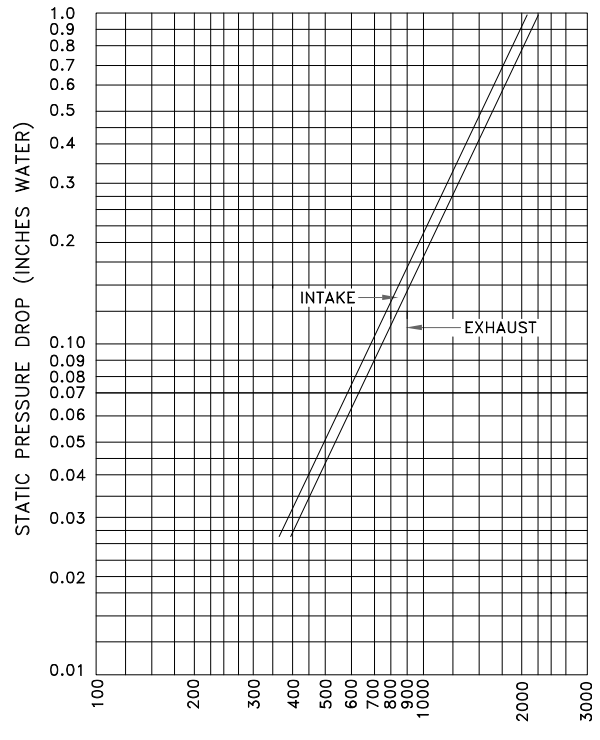
TEST
CONDITIONS:
A 48" X 48"
LOUVER WAS
USED FOR
THE TEST;
AT STANDARD
AIR DENSITY
AND
OPERATING
TEMPERATURE
RANGE OF
65°F - 85°F,
AND
15 MINUTES
TEST DURATION

	WIDTH (INCHES)										
	12	18	24	30	36	42	48	54	60	66	72
12	0.19	0.30	0.42	0.54	0.65	0.77	0.89	1.00	1.12	1.24	1.35
16	0.37	0.61	0.84	1.07	1.31	1.54	1.77	2.01	2.24	2.47	2.71
20	0.55	0.89	1.23	1.57	1.91	2.25	2.59	2.94	3.28	3.62	3.96
24	0.67	1.08	1.50	1.92	2.33	2.75	3.17	3.58	4.00	4.41	4.83
28	0.79	1.28	1.77	2.26	2.75	3.24	3.74	4.23	4.72	5.21	5.70
32	0.94	1.52	2.10	2.69	3.27	3.85	4.44	5.02	5.60	6.19	6.77
36	1.12	1.82	2.52	3.22	3.92	4.62	5.32	6.02	6.72	7.42	8.12
40	1.30	2.10	2.91	3.72	4.53	5.34	6.14	6.95	7.76	8.57	9.37
44	1.42	2.30	3.18	4.07	4.95	5.83	6.71	7.60	8.48	9.36	10.25
48	1.54	2.49	3.45	4.41	5.37	6.33	7.28	8.24	9.20	10.16	11.12
52	1.68	2.73	3.78	4.83	5.88	6.93	7.98	9.03	10.08	11.13	12.18
56	1.87	3.04	4.20	5.37	6.54	7.70	8.87	10.04	11.20	12.37	13.54
60	2.04	3.32	4.59	5.87	7.14	8.42	9.69	10.97	12.24	13.52	14.79
64	2.16	3.51	4.86	6.21	7.56	8.91	10.26	11.61	12.96	14.31	15.66
68	2.29	3.71	5.13	6.56	7.98	9.41	10.83	12.26	13.68	15.11	16.53
72	2.43	3.95	5.47	6.98	8.50	10.02	11.53	13.05	14.57	16.03	17.60
76	2.62	4.25	5.89	7.52	9.15	10.79	12.42	14.05	15.69	17.32	18.95
80	2.79	4.53	6.28	8.02	9.76	11.50	13.24	14.98	16.72	18.46	20.21
84	2.91	4.73	6.55	8.36	10.18	11.99	13.81	15.63	17.44	19.26	21.08
88	3.03	4.93	6.82	8.71	10.60	12.49	14.38	16.27	18.16	20.05	21.95
92	3.18	5.16	7.15	9.13	11.11	13.10	15.08	17.06	19.05	21.03	23.01
96	3.37	5.47	7.57	9.67	11.77	13.87	15.97	18.07	20.17	22.27	24.37
100	3.54	5.75	7.96	10.17	12.37	14.58	16.79	19.00	21.21	23.41	25.62
104	3.66	5.95	8.23	10.51	12.79	15.08	17.36	19.64	21.93	24.21	26.49
108	3.78	6.14	8.50	10.86	13.21	15.57	17.93	20.29	22.65	25.00	27.36
112	3.93	6.38	8.83	11.28	13.73	16.18	18.63	21.08	23.53	25.98	28.43
116	4.12	6.68	9.25	11.82	14.38	16.95	19.52	22.08	24.65	27.22	29.78
120	4.29	6.97	9.64	12.31	14.99	17.66	20.34	23.01	25.69	28.36	31.04
124	4.41	7.16	9.91	12.66	15.41	18.16	20.91	23.66	26.41	29.16	31.91
128	4.53	7.36	10.18	13.00	15.83	18.65	21.48	24.30	27.13	29.95	32.78
132	4.68	7.60	10.51	13.43	16.35	19.26	22.18	25.10	28.01	30.93	33.85
136	4.87	7.90	10.93	13.97	17.00	20.03	23.07	26.10	29.13	32.17	35.20
140	5.04	8.18	11.32	14.46	17.60	20.75	23.89	27.03	30.17	33.31	36.45
144	5.16	8.38	11.59	14.81	18.02	21.24	24.46	27.67	30.89	34.11	37.32

FREE AREA TABLE (SQ. FEET)
RATINGS INCLUDE THE EFFECT OF A BIRD SCREEN



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



AIR PERFORMANCE GRAPH

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