

HORIZONTAL SECTION



ALUMINUM LOUVER
AC-645 AF-645

STANDARD SPECIFICATIONS

- CONST. - FORMED ALUMINUM, WELDED ASSEMBLY
- FRAME - 6" X 1" X .081", (152.4MM X 25.4MM X 2.1MM) CHANNEL UP TO 48" (1219.2MM), 6" X 1.5" X .081" (152.4MM X 38.1MM X 2.1MM) OVER 48" (1219.2MM), BUTT CORNERS
- BLADES - 6" X .081" (152.4MM X 2.1MM), SET AT 45°, 6" (152.4MM) BLADE SPACING, SUPPORTS AT 48" (1219.2MM) W CENTERS
- SCREEN - .5" X .5" (12.7MM X 12.7MM) X 18 GAUGE GALVANIZED, SCREW FASTENED
- FINISH - MILL ALUMINUM
- SIZE - MINIMUM 12" X 16" (304.8MM X 406.4MM)
MAXIMUM SECTION WIDTH 144" (3657.6MM)
MAXIMUM SECTION HEIGHT 144" (3657.6MM)
MAXIMUM SECTION SIZE 72 SQ. FT.

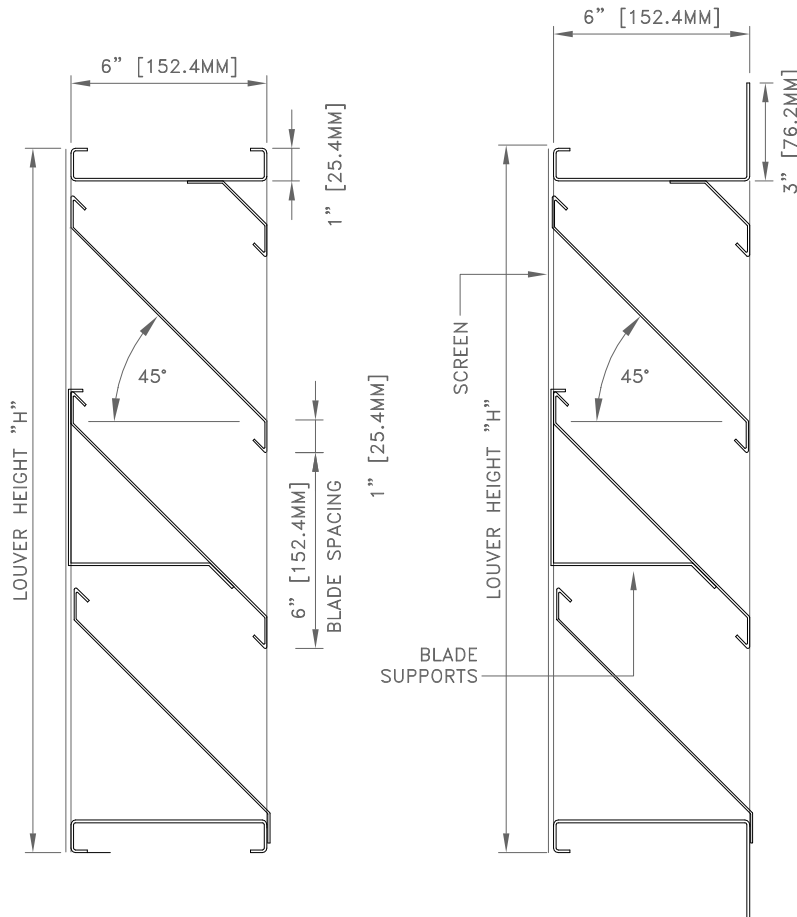
OPTIONS

- CONST. - HEAVIER GAUGES, CONTINUOUS BLADES, ROUND, TRIANGULAR SHAPES
- FRAME - AF-FLANGE FRAME 6" X .081" (152.4 MM X 2.1MM), BUTT CORNERS
- BLADES - HEAVIER GAUGES
- SCREEN - AS PER REQUEST
- FINISH - BAKED ENAMEL, ANODIZED & OTHERS

TECHNICAL NOTES

- MAX. REC. INTAKE VEL. - 775 FPM THROUGH FREE AREA
- SHIPPING WEIGHT - APPROX. 6 LBS./SQ. FT.

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



AC-645
VERTICAL SECTION

AF-645
VERTICAL SECTION

* FOR MORE INFORMATION, CONTACT OUR FACTORY *

NOTES

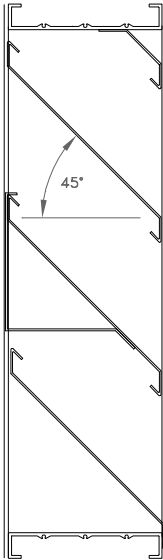
APPROVAL

DATE:
PROJECT:
ENGINEER:
CUSTOMER:
DISTRIBUTOR:

XC-645



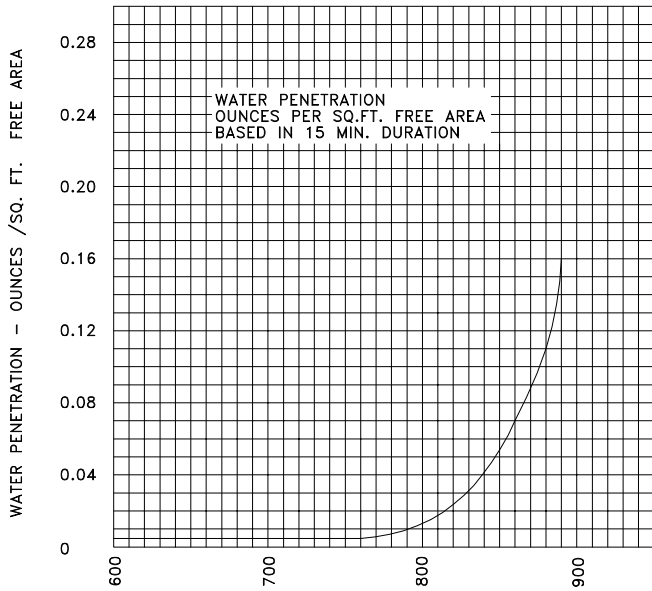
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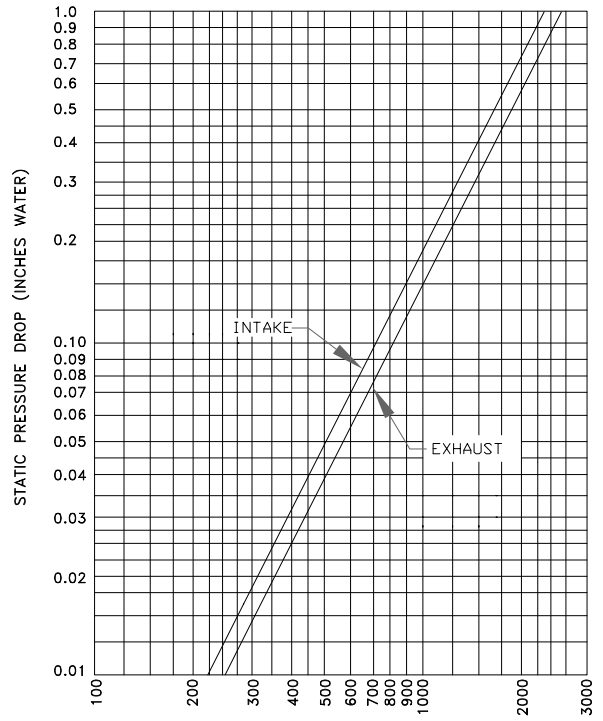
TEST CONDITIONS:
A 48" X 48" LOUVER WAS USED FOR THE TEST AT STANDARD AND OPERATING TEMPERATURE RANGE OF 65°F - 85°F, AND 15 MINUTES TEST DURATION WATER PENETRATION

		WIDTH (INCHES)										
		12	18	24	30	36	42	48	54	60	66	72
HEIGHT (INCHES)	12	0.20	0.32	0.45	0.57	0.70	0.82	0.95	1.07	1.20	1.32	1.45
	16	0.32	0.52	0.72	0.92	1.12	1.32	1.52	1.71	1.91	2.11	2.31
	20	0.50	0.81	1.13	1.44	1.75	2.07	2.38	2.69	3.00	3.32	3.63
	24	0.70	1.14	1.58	2.01	2.45	2.89	3.23	3.76	4.20	4.64	5.08
	28	0.82	1.33	1.85	2.36	2.87	3.38	3.89	4.41	4.92	5.43	5.94
	32	1.00	1.63	2.26	2.88	3.51	4.13	4.76	5.38	6.01	6.64	7.26
	36	1.20	1.95	2.70	3.45	4.20	4.95	5.71	6.46	7.21	7.96	8.71
	40	1.32	2.15	2.97	3.80	4.62	5.45	6.27	7.10	7.92	8.75	9.57
	44	1.51	2.44	3.38	4.32	5.26	6.20	7.14	8.08	9.01	9.95	10.89
	48	1.71	2.77	3.83	4.89	5.96	7.02	8.08	9.15	10.21	11.27	12.34
	52	1.83	2.96	4.10	5.24	6.38	7.51	8.65	9.79	10.93	12.07	13.20
	56	2.01	3.26	4.51	5.76	7.01	8.26	9.52	10.77	12.02	13.27	14.52
	60	2.21	3.58	4.96	6.34	7.71	9.09	10.46	11.84	13.22	14.59	15.97
	64	2.33	3.78	5.23	6.68	8.13	9.58	11.03	12.48	13.93	15.38	16.83
68	2.51	4.07	5.64	7.20	8.77	10.33	12.84	13.46	15.02	16.59	18.15	
72	2.71	4.40	6.09	7.78	9.46	11.15	13.89	14.53	16.22	17.31	19.60	
76	2.83	4.59	6.36	8.12	9.88	11.65	13.41	15.17	16.34	18.70	20.47	
80	3.01	4.89	6.77	8.64	10.52	12.40	14.27	16.15	18.03	19.91	21.28	
84	3.21	5.21	7.21	9.22	11.22	13.22	15.22	17.22	19.22	21.23	23.23	
88	3.33	5.41	7.48	9.56	11.64	13.71	15.79	17.87	19.94	22.02	24.10	
92	3.51	5.70	7.89	10.08	12.27	14.46	16.65	18.84	21.03	23.22	25.41	
96	3.71	6.03	8.32	10.66	12.97	15.29	17.60	19.92	22.23	24.54	26.89	
100	3.83	6.22	8.61	11.00	13.39	15.78	18.17	20.56	22.95	25.34	27.73	
104	4.02	6.52	9.02	11.52	14.03	16.53	19.03	21.54	24.04	26.54	29.04	
108	4.21	6.84	9.47	12.10	14.72	17.35	19.38	22.61	25.23	27.86	30.49	
112	4.33	7.04	9.74	12.44	15.14	17.85	20.55	23.25	25.95	28.65	31.36	
116	4.52	7.33	10.15	12.96	15.78	18.60	21.41	24.23	27.04	29.86	32.67	
120	4.72	7.66	10.60	13.54	16.48	19.42	22.36	25.30	28.24	31.18	34.12	
124	4.84	7.85	10.87	13.88	16.30	19.31	22.93	25.94	28.96	31.97	34.99	
128	5.02	8.15	11.28	14.40	17.53	20.66	23.79	26.92	30.05	33.18	36.31	
132	5.22	8.47	11.73	14.98	18.23	21.48	24.74	27.99	31.24	34.50	37.75	
136	5.34	8.67	11.99	15.32	18.65	21.98	25.31	28.63	31.96	35.29	38.62	
140	5.52	8.96	12.40	15.85	19.29	22.73	26.17	29.61	33.05	36.49	39.34	
144	5.72	9.29	12.85	16.42	19.98	23.55	27.12	29.69	34.25	37.91	41.38	

FREE AREA TABLE (SQ. FEET)



WATER PENETRATION GRAPH
775 F.P.M. BEGINNING OF WATER PENETRATION (8.81 MPH WIND)



AIR PERFORMANCE GRAPH

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