

HORIZONTAL SECTION



ALUMINUM LOUVER  
AC-645W AF-645W

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°, 6.75" (171.45MM) 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

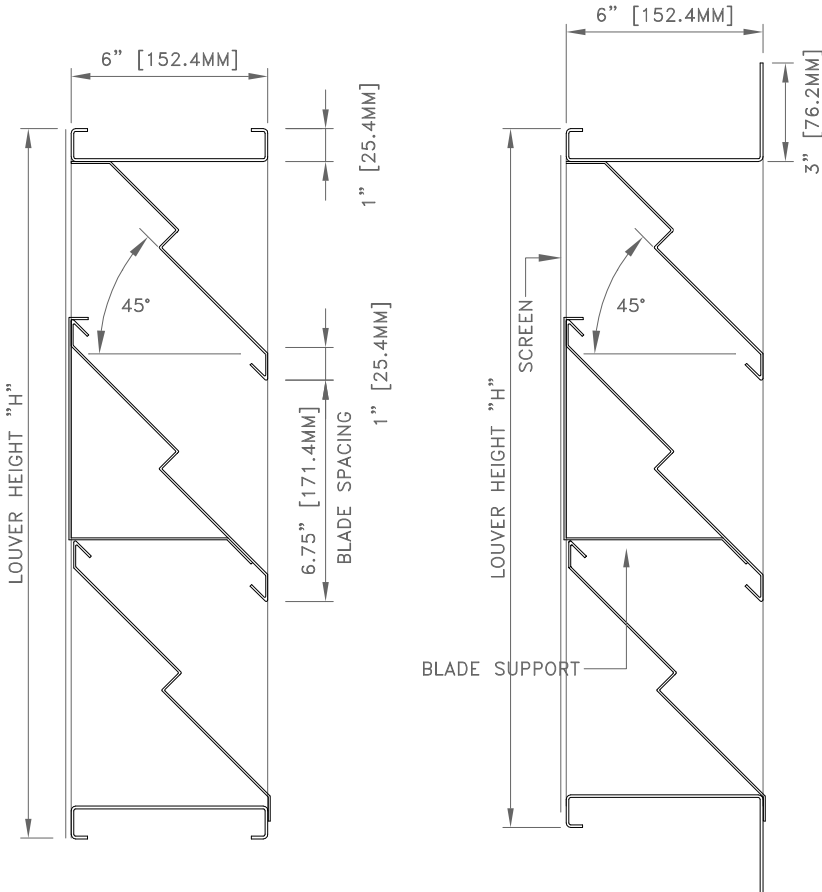
- CONST. - HEAVIER GAUGES, CONTINUOUS BLADES, ROUND, TRIANGULAR SHAPES
- FRAME - AF-FLANGE FRAME 6" X .081" (152.4MM X 2.1MM), BUTT CORNERS
- BLADES - HEAVIER GAUGES
- SCREEN - AS PER REQUEST
- FINISH - BAKED ENAMEL, ANODIZED & OTHERS

TECHNICAL NOTES

- MAX. REC. INTAKE VEL. - 700 FPM THROUGH FREE AREA
- SHIPPING WEIGHT - APPROX. 8 LBS./SQ. FT.

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

\* FOR MORE INFORMATION, CONTACT OUR FACTORY \*



AC-645W  
VERTICAL SECTION

AF-645W  
VERTICAL SECTION

NOTES

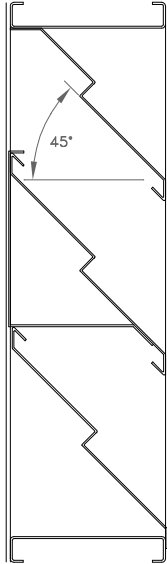
APPROVAL

DATE:  
PROJECT:  
ENGINEER:  
CUSTOMER:  
DISTRIBUTOR:

AC 645



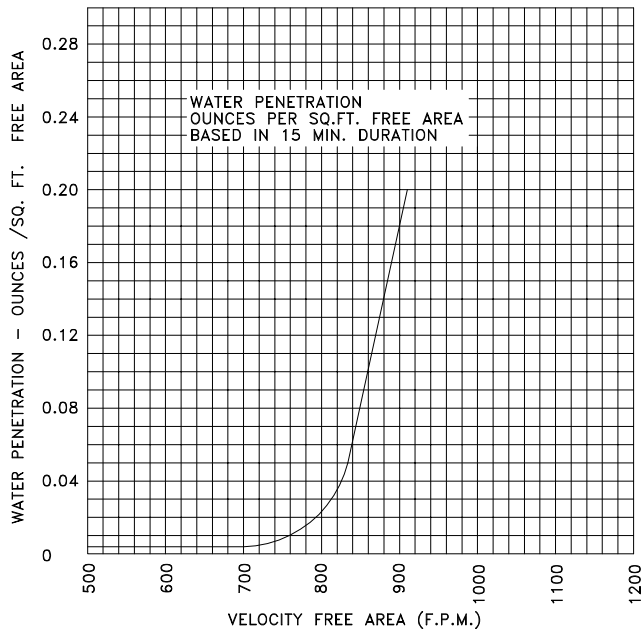
# ALUMINUM LOUVER AC-645W



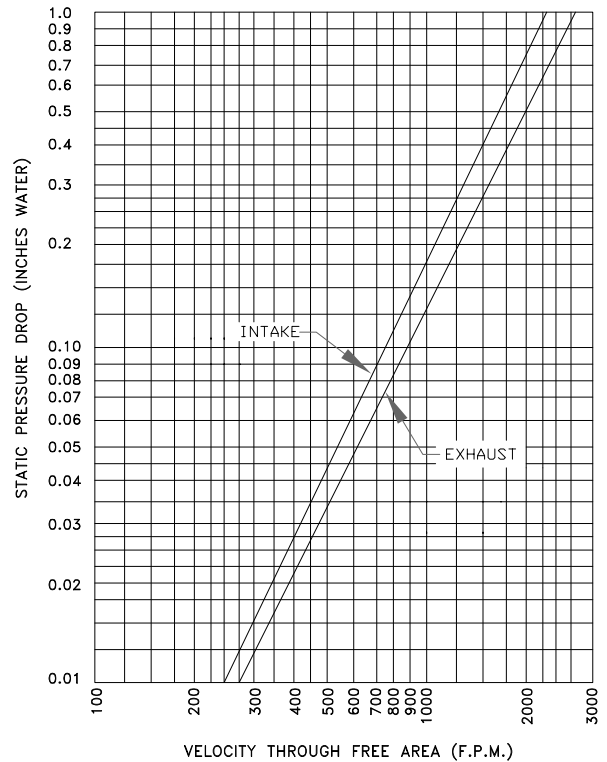
TEST  
CONDITIONS:  
A 48" X 48"  
LOUVER WAS  
USED FOR  
THE TEST  
AT STANDARD  
AND  
OPERATING  
TEMPERATURE  
RANGE OF  
65°F - 85°F,  
AND  
15 MINUTES  
TEST DURATION  
WATER PENETRATION

		WIDTH (INCHES)										
		12	18	24	30	36	42	48	54	60	66	72
HEIGHT (INCHES)	18	0.41	0.69	0.97	1.25	1.53	1.82	2.10	2.38	2.66	2.94	3.23
	24	0.63	1.07	1.51	1.95	2.39	2.82	3.26	3.70	4.14	4.58	5.02
	30	0.86	1.45	2.05	2.64	3.24	3.83	4.43	5.02	5.62	6.21	6.81
	36	1.08	1.83	2.59	3.34	4.09	4.84	5.59	6.35	7.10	7.85	8.60
	42	1.31	2.22	3.12	4.03	4.94	5.85	6.76	7.67	8.58	9.48	10.39
	48	1.53	2.60	3.66	4.73	5.79	6.86	7.92	8.99	10.05	11.12	12.19
	54	1.76	2.98	4.20	5.42	6.65	7.87	9.09	10.31	11.53	12.76	13.98
	60	1.98	3.36	4.74	6.12	7.50	8.88	10.25	11.63	13.01	14.39	15.77
	66	2.21	3.74	5.28	6.81	8.35	9.88	11.42	12.96	14.49	16.03	17.56
	72	2.43	4.12	5.82	7.51	9.20	10.89	12.59	14.28	15.97	17.66	19.35
	78	2.66	4.51	6.36	8.20	10.05	11.90	13.75	15.60	17.45	19.30	21.15
	84	2.88	4.89	6.89	8.90	10.91	12.91	14.92	16.92	18.93	20.93	22.94
	90	3.11	5.27	7.43	9.59	11.76	13.92	16.08	18.24	20.41	22.57	24.73
	96	3.33	5.65	7.97	10.29	12.61	14.93	17.25	19.57	21.88	24.20	26.52
102	3.56	6.03	8.51	10.99	13.46	15.94	18.41	20.89	23.36	25.84	28.31	
108	3.78	6.42	9.05	11.68	14.31	16.95	19.58	22.21	24.84	27.47	30.11	
114	4.01	6.80	9.59	12.38	15.17	17.95	20.74	23.53	26.32	29.11	31.90	
120	4.23	7.18	10.13	13.07	16.02	18.96	21.91	24.85	27.80	30.75	33.69	
126	4.46	7.56	10.66	13.77	16.87	19.97	23.07	26.18	29.28	32.38	35.48	
132	4.68	7.94	11.20	14.46	17.72	20.98	24.24	27.50	30.76	34.02	37.28	
138	4.91	8.33	11.74	15.16	18.57	21.99	25.40	28.82	32.24	35.65	39.07	
144	5.14	8.71	12.28	15.85	19.43	23.00	26.57	30.14	33.71	37.29	40.86	

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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