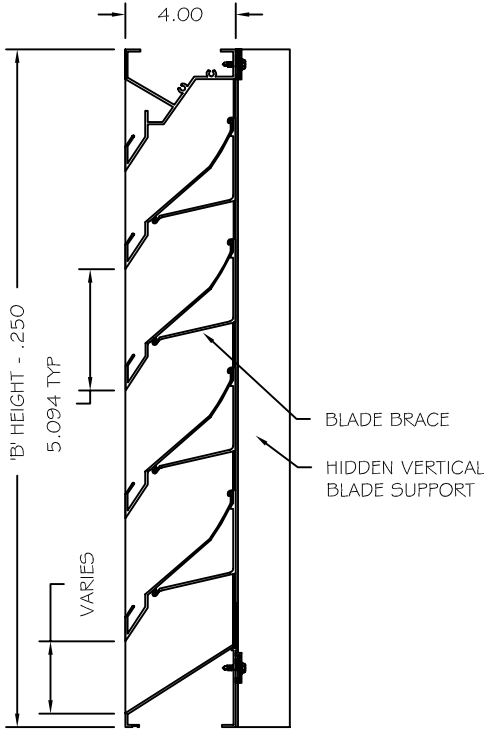


AIRLINE LOUVERS

LSA4D38

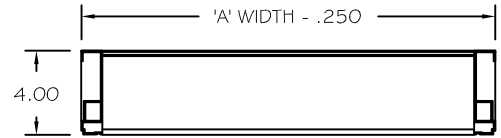
- 4.00" CHANNEL FRAME
- 37.5° ANGLE DRAINABLE BLADE
- EXTRUDED ALUMINUM 6063-T5 ALLOY
- MATERIAL THICKNESS - NOMINAL
 - .081" FRAME
 - .081" BLADE
- 20 psf WINDLOAD
- STAINLESS STEEL HARDWARE
- FINISH:
 - CLEAR ANODIZED
 - BAKED ENAMEL
 - MILL ALUMINUM
 - COLOR ANODIZED
 - KYNAR 500
- SCREENS (OPTIONAL)
REF: SCREEN SUBMITTAL
- EXPOSED MULLION (AS REQUIRED):
- ONE PIECE CONSTRUCTION SIZE
 - MINIMUM: 12" x 12"
 - MAXIMUM: 120" x 90"
 - (SINGLE SECTION)



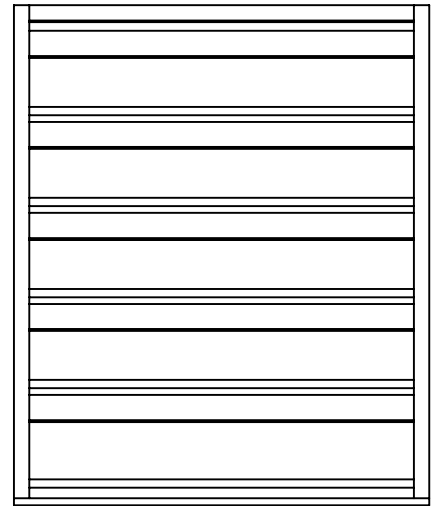
SECTION VIEW
NOT TO SCALE



Airline Louvers certifies that the model LSA4D38 Louver shown hereon is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to air performance ratings and water penetration ratings.



TOP VIEW
NOT TO SCALE



FRONT VIEW
NOT TO SCALE

ITEM	QTY	MODEL		WALL OPENING		OPTIONAL ACCESSORIES				OPERATOR TYPE	IDENTIFICATION/LOCATION	
		STYLE	FLANGE	'A' WIDTH	'B' HEIGHT	EXTERIOR MOUNTED SCREEN	EXTENDED SILL	U-FRAMED SCREENS	EXPOSED MULLION LOCATION			
									VERT	HORZ		



Toll-Free: 800-547-2635
 Fax: 800-317-8770
 Internet: www.airlinelouvers.com
 e-mail: info@airlinelouvers.com

PROJECT:				
CONTRACTOR:				
ARCHITECT:				
DRAWN BY: CMR	REV. DATE: 03-03	QUANTITY:	DATE:	TITLE: LSA4D38

AIRLINE LOUVERS

LSA4D38

PERFORMANCE DATA

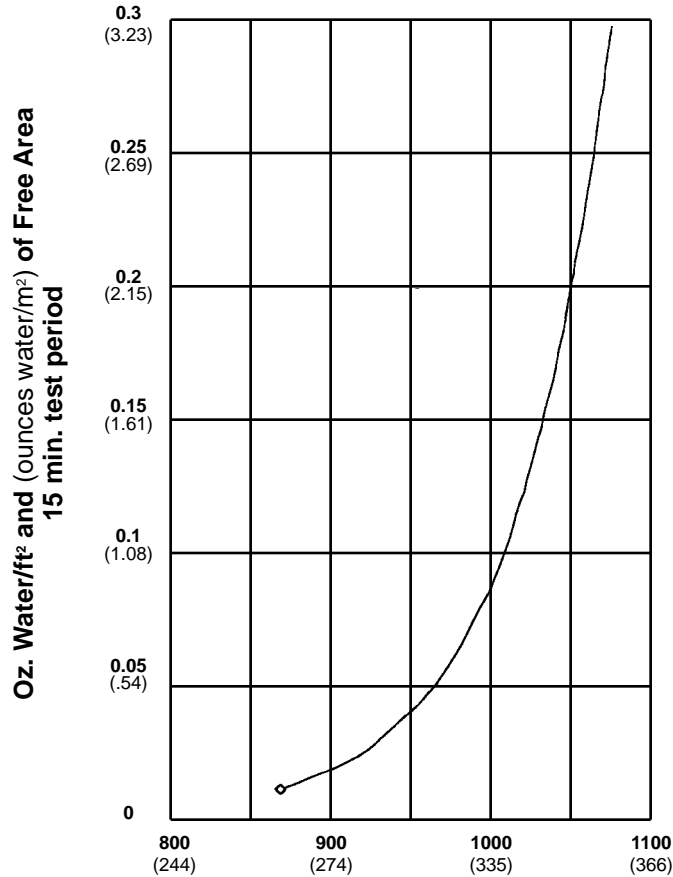
AMCA Standard 500 provides a reasonable basis for testing and rating louvers. Testing to AMCA 500 is performed under a certain set of laboratory conditions. This does not guarantee that other conditions will not occur in the actual environment where louvers must operate.

The louver system should be designed with a reasonable safety factor for louver performance. To ensure protection from water carryover, design with a performance level somewhat below maximum desired pressure drop and .01 oz./sq. ft. of water penetration.

WATER PENETRATION

Test size 48" wide x 48" high (1219 x 1219)

Beginning point of water penetration at .01 oz./sq. ft. is 873 fpm (266 m/min).



Free Area Velocity in feet and (meters) per minute
Standard air .075 lb/ft³

FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes
Width – Inches and Meters

	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52	1.68	1.83	1.98	2.13	2.29	2.44	2.59	2.74	2.90	3.05
12	0.26	0.41	0.56	0.71	0.87	1.02	1.17	1.33	1.48	1.63	1.79	1.94	2.09	2.24	2.40	2.55	2.70	2.86	3.01
0.30	0.02	0.04	0.05	0.07	0.08	0.09	0.11	0.12	0.14	0.15	0.17	0.18	0.19	0.21	0.22	0.24	0.25	0.27	0.28
18	0.61	0.97	1.33	1.70	2.06	2.43	2.79	3.15	3.52	3.88	4.25	4.61	4.97	5.34	5.70	6.06	6.43	6.79	7.16
0.46	0.06	0.09	0.12	0.16	0.19	0.23	0.26	0.29	0.33	0.36	0.39	0.43	0.46	0.50	0.53	0.56	0.60	0.63	0.67
24	0.87	1.40	1.92	2.45	2.97	3.50	4.02	4.55	5.07	5.60	6.12	6.65	7.17	7.70	8.22	8.75	9.27	9.80	10.32
0.61	0.08	0.13	0.18	0.23	0.28	0.33	0.37	0.42	0.47	0.52	0.57	0.62	0.67	0.72	0.76	0.81	0.86	0.91	0.96
30	1.14	1.83	2.51	3.20	3.89	4.57	5.26	5.94	6.63	7.32	8.00	8.69	9.37	10.06	10.74	11.43	12.12	12.80	13.49
0.76	0.11	0.17	0.23	0.30	0.36	0.42	0.49	0.55	0.62	0.68	0.74	0.81	0.87	0.93	1.00	1.06	1.13	1.19	1.25
36	1.33	2.13	2.92	3.72	4.52	5.31	6.11	6.91	7.70	8.50	9.30	10.09	10.89	11.69	12.49	13.28	14.08	14.88	15.67
0.91	0.12	0.20	0.27	0.35	0.42	0.49	0.57	0.64	0.72	0.79	0.86	0.94	1.01	1.09	1.16	1.23	1.31	1.38	1.46
42	1.60	2.55	3.51	4.47	5.43	6.39	7.34	8.30	9.26	10.22	11.18	12.13	13.09	14.05	15.01	15.96	16.92	17.88	18.84
1.07	0.15	0.24	0.33	0.42	0.50	0.59	0.68	0.77	0.86	0.95	1.04	1.13	1.22	1.31	1.39	1.48	1.57	1.66	1.75
48	1.86	2.98	4.10	5.22	6.34	7.46	8.58	9.70	10.82	11.93	13.05	14.17	15.29	16.41	17.53	18.65	19.77	20.89	22.00
1.22	0.17	0.28	0.38	0.49	0.59	0.69	0.80	0.90	1.01	1.11	1.21	1.32	1.42	1.52	1.63	1.73	1.84	1.94	2.04
54	2.13	3.41	4.69	5.97	7.25	8.53	9.81	11.09	12.37	13.65	14.93	16.21	17.49	18.77	20.05	21.33	22.61	23.89	25.17
1.37	0.20	0.32	0.44	0.55	0.67	0.79	0.91	1.03	1.15	1.27	1.39	1.51	1.63	1.74	1.86	1.98	2.10	2.22	2.34
60	2.40	3.84	5.28	6.72	8.16	9.61	11.05	12.49	13.93	15.37	16.81	18.25	19.69	21.13	22.57	24.01	25.45	26.90	28.34
1.52	0.22	0.36	0.49	0.62	0.76	0.89	1.03	1.16	1.29	1.43	1.56	1.70	1.83	1.96	2.10	2.23	2.37	2.50	2.63
66	2.59	4.14	5.69	7.24	8.79	10.35	11.90	13.45	15.00	16.55	18.11	19.66	21.21	22.76	24.31	25.86	27.42	28.97	30.52
1.68	0.24	0.38	0.53	0.67	0.82	0.96	1.11	1.25	1.39	1.54	1.68	1.83	1.97	2.12	2.26	2.40	2.55	2.69	2.84
72	2.85	4.57	6.28	7.99	9.71	11.42	13.13	14.84	16.56	18.27	19.98	21.70	23.41	25.12	26.83	28.55	30.26	31.97	33.69
1.83	0.26	0.42	0.58	0.74	0.90	1.06	1.22	1.38	1.54	1.70	1.86	2.02	2.18	2.33	2.49	2.65	2.81	2.97	3.13
78	3.12	5.00	6.87	8.74	10.62	12.49	14.37	16.24	18.11	19.99	21.86	23.74	25.61	27.48	29.36	31.23	33.10	34.98	36.85
1.98	0.29	0.46	0.64	0.81	0.99	1.16	1.34	1.51	1.68	1.86	2.03	2.21	2.38	2.55	2.73	2.90	3.08	3.25	3.42
84	3.39	5.43	7.46	9.50	11.53	13.57	15.60	17.63	19.67	21.70	23.74	25.77	27.81	29.84	31.88	33.91	35.95	37.98	40.02
2.13	0.32	0.50	0.69	0.88	1.07	1.26	1.45	1.64	1.83	2.02	2.21	2.39	2.58	2.77	2.96	3.15	3.34	3.53	3.72
90	3.66	5.86	8.05	10.25	12.44	14.64	16.83	19.03	21.23	23.42	25.62	27.81	30.01	32.20	34.40	36.60	38.79	40.99	43.18
2.29	0.34	0.54	0.75	0.95	1.16	1.36	1.56	1.77	1.97	2.18	2.38	2.58	2.79	2.99	3.20	3.40	3.60	3.81	4.01

54% FREE AREA BASED ON 48" X 48" UNIT

PRESSURE DROP

