

## MODEL EL-6

## 6" DEEP "J" BLADE FIXED LOUVER

### STANDARD CONSTRUCTION:

**Frame:** .125 Extruded Aluminum, 6.20" Deep

**Blade:** .110 Extruded Aluminum positioned on a 45° angle on approximately 4.63" centers

**Birdscreen:** .50" x .050" Flattened Aluminum in removable frame. Screen is mounted as standard on inside (rear) looking from exterior of building.

**Finish:** Mill Aluminum (Std.)

**Minimum Size:** 12 x12

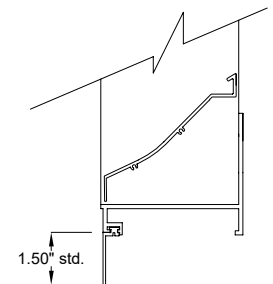
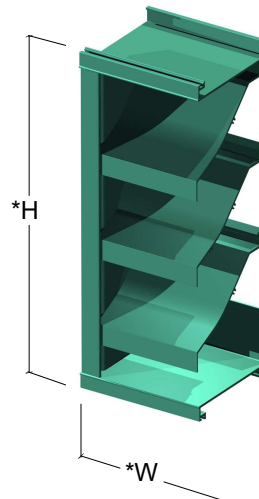
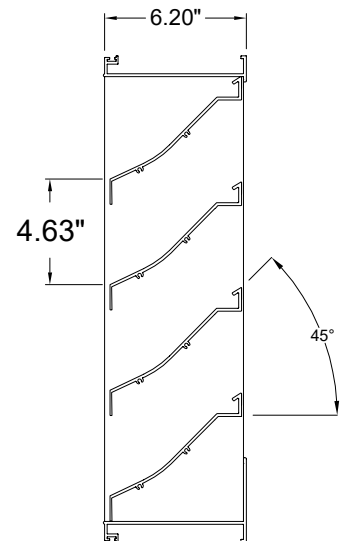
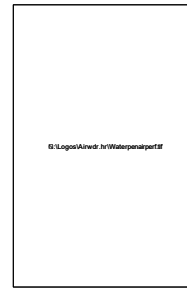
**Maximum Single Section:** 120"w x 84"h or 84"w x 120"h

### OPTIONS:

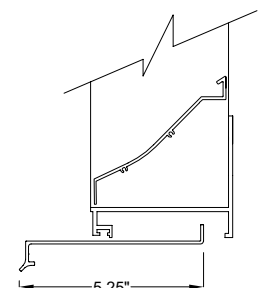
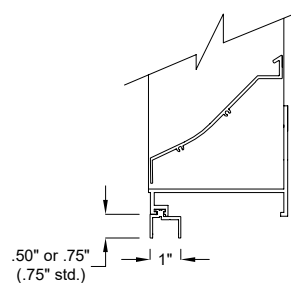
- ☐ Flanged Frame (1.50" std.), (1" std for shapes R\_ )
- ☐ Custom Flange (1", 2" , or 3"), (1.5", 2", or 3" for shapes R\_ )
- ☐ Extended Sill (Other Screens Available, See Screen Page)
- ☐ Glazing Adapter (.50" or .75")
- ☐ Insect Screen
- ☐ Filter Racks (no screen)
- ☐ Security Bars
- ☐ Hinged Sub Frame
- ☐ Welded Construction (Wind Load +/- 50 psf)
- ☐ Blank-off, Alum., non-insulated, no screen, non-removeable
- ☐ Blank-off, Alum., non-insulated, with bird screen or insect screen
- ☐ Blank-off, Alum., insulated double wall, with bird screen, removable
- ☐ Blank-off, Alum., insulated double wall, no screen, non-removeable

### Available Finishes:

- ☐ Durable Polyester (AAMA 2604)
- ☐ 70% PVDF Fluoropolymer (AAMA 2605)
- ☐ Yellow Primer
- ☐ Clear Anodize
- ☐ Dark Bronze Anodize



OPTIONAL FLANGE  
(except R\_ Shapes, 1" optional std)



\*Width and Height dimensions are approximately 1/4" under listed size.

Due to continuing research, United Enertech reserves the right to change specifications without notice.



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### MODEL EL-6 (6" Deep "J" Blade Fixed Louver)

DRAWN BY:	DATE:	REV. DATE:	REV. NO.	DWG. NO.:
CLJ	November 2006	June 2019	10	<b>A-9</b>

## SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be "J" blade style with 45° stationary blades. Stationary blades shall be contained within a 6.20" frame. Louver components (heads, jambs, sills, blades, and mullions) shall be factory assembled by the louver manufacturer. Louver sizes too large for shipping shall be built up by the contractor from factory assembled louver sections to provide overall sizes required. Louver design shall incorporate structural supports required to withstand a wind load of 30 lbs. Per sq. ft. (equivalent of a 110 mph).

## PERFORMANCE DATA

AMCA Standard 500-L provides a reasonable basis for testing and rating louvers. Testing to AMCA 500-L 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.

Louvers shall be United Enertech #EL-6 with 6063-T5 extruded aluminum construction as follows:

Frame: 6.20" deep, .081" nominal wall thickness.

Blades: .110" nominal wall thickness. Non-Drainable.

Blades are positioned at 45-degree angle and spaced approximately 4.63" center to center.

Screen: .75" x .051" (19 x 1.3) expanded, flattened aluminum in removable frame.

Finish: Select finish specification from United Enertech Finishes Brochure.

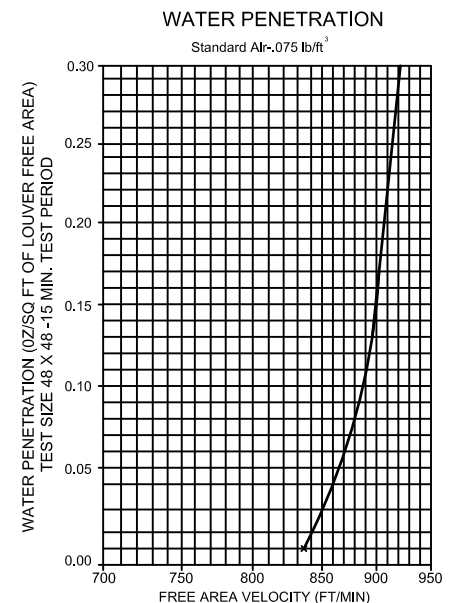
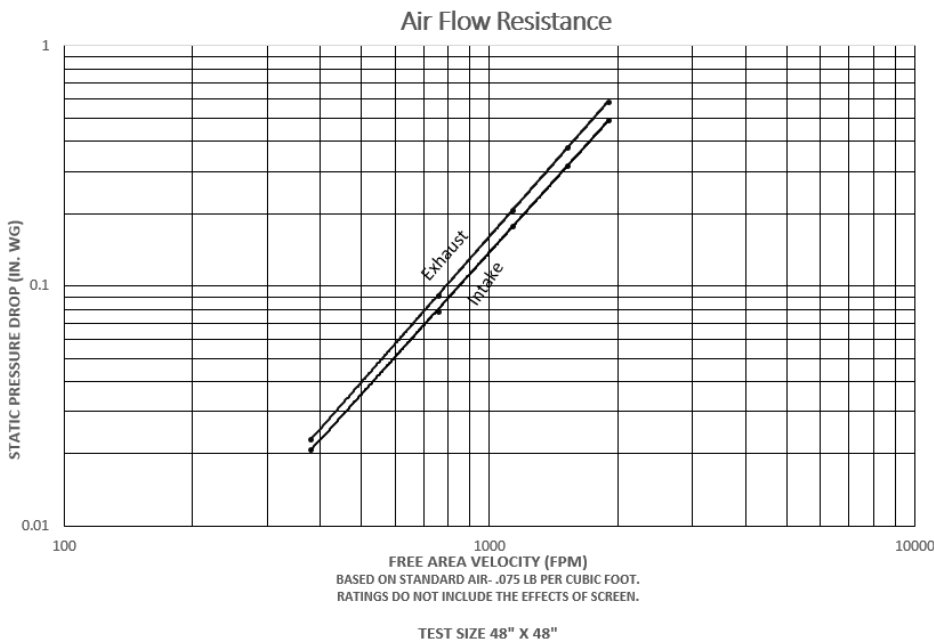
Published louver performance data bearing the AMCA Certified Ratings Seal for Air Performance & Water Penetration must be submitted for approval prior to fabrication and must demonstrate pressure drop and water penetration equal to or less than the United Enertech model specified.

Beginning point of WATER PENETRATION

is

834 fpm

free area velocity at .01 oz./sq.ft. of water penetration



**EL-6 FREE AREA IN SQ. FT.**

Louver Height Inches	Width - Inches																		Louver Height Inches		
	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114		120	
Height - Inches	12	0.23	0.38	0.52	0.66	0.80	0.95	1.09	1.23	1.38	1.52	1.66	1.81	1.95	2.09	2.24	2.38	2.52	2.67	2.81	12
	18	0.45	0.73	1.01	1.28	1.56	1.84	2.12	2.39	2.67	2.95	3.23	3.50	3.78	4.06	4.34	4.61	4.89	5.17	5.45	18
	24	0.67	1.08	1.49	1.90	2.32	2.73	3.14	3.55	3.96	4.38	4.79	5.20	5.61	6.02	6.44	6.85	7.26	7.67	8.08	24
	30	0.89	1.43	1.98	2.53	3.07	3.62	4.16	4.71	5.26	5.80	6.35	6.90	7.44	7.99	8.53	9.08	9.63	10.17	10.72	30
	36	1.11	1.79	2.47	3.15	3.83	4.51	5.19	5.87	6.55	7.23	7.91	8.59	9.27	9.95	10.63	11.31	12.00	12.68	13.36	36
	42	1.54	2.49	3.44	4.39	5.34	6.29	7.24	8.19	9.14	10.09	11.04	11.99	12.93	13.88	14.83	15.78	16.73	17.68	18.63	42
	48	1.76	2.84	3.93	5.01	6.10	7.18	8.26	9.35	10.43	11.51	12.60	13.68	14.77	15.85	16.93	18.02	19.10	20.18	21.27	48
	54	1.98	3.20	4.42	5.63	6.85	8.07	9.29	10.51	11.72	12.94	14.16	15.38	16.60	17.81	19.03	20.25	21.47	22.69	23.91	54
	60	2.20	3.55	4.90	6.26	7.61	8.96	10.31	11.67	13.02	14.37	15.72	17.07	18.43	19.78	21.13	22.48	23.84	25.19	26.54	60
	66	2.42	3.90	5.39	6.88	8.36	9.85	11.34	12.82	14.31	15.80	17.28	18.77	20.26	21.75	23.23	24.72	26.21	27.69	29.18	66
	72	2.63	4.26	5.88	7.50	9.12	10.74	12.36	13.98	15.60	17.23	18.85	20.47	22.09	23.71	25.33	26.95	28.57	30.20	31.82	72
	78	2.85	4.61	6.36	8.12	9.88	11.63	13.39	15.14	16.90	18.65	20.41	22.16	23.92	25.68	27.43	29.19	30.94	32.70	34.45	78
84	3.29	5.31	7.34	9.36	11.39	13.41	15.44	17.46	19.48	21.51	23.53	25.56	27.58	29.61	31.63	33.65	35.68	37.70	39.73	84	
90	3.51	5.67	7.83	9.98	12.14	14.30	16.46	18.62	20.78	22.94	25.10	27.25	29.41							90	
96	3.73	6.02	8.31	10.61	12.90	15.19	17.48	19.78	22.07	24.36	26.66	28.95	31.24							96	
102	3.94	6.37	8.80	11.23	13.65	16.08	18.51	20.94	23.36	25.79	28.22	30.65	33.07							102	
108	4.16	6.72	9.29	11.85	14.41	16.97	19.53	22.10	24.66	27.22	29.78	32.34	34.91							108	
114	4.38	7.08	9.77	12.47	15.17	17.86	20.56	23.25	25.95	28.65	31.34	34.04	36.74							114	
120	4.60	7.43	10.26	13.09	15.92	18.75	21.58	24.41	27.24	30.08	32.91	35.74	38.57							120	



United Enertech Corporation certifies that the EL-6 shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Rating Seal applies to air performance and water penetration ratings.