

MODEL FA-157

HIGH PERFORMANCE 90° ADJUSTABLE LOUVER 6"

STANDARD CONSTRUCTION:

FRAME:

0.125 (3mm) Extruded Aluminum 6.188" (157mm) deep.

BLADES:

.081 (2mm) Extruded Aluminum
on approximately 4.64" (118mm) centers.

LINKAGE:

In Airstream

BIRDSCREEN:

.75" X .051 Flattened Aluminum in Removable Frame.
Screen is mounted on inside (rear) as looking from exterior of building.

OPERATOR:

Louvers without actuators will be supplied with Locking Quadrants

FINISH:

Mill Aluminum (Std.)

MINIMUM SIZE:

12"w x 12"h (305mm x 305mm)

MAXIMUM SIZE:

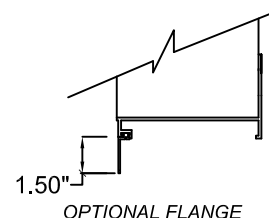
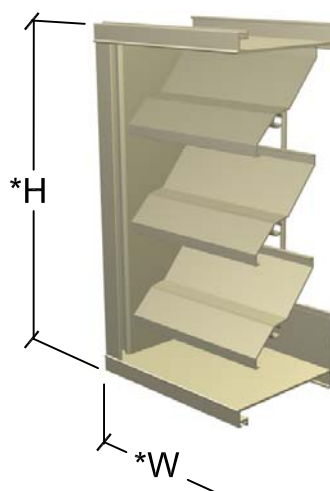
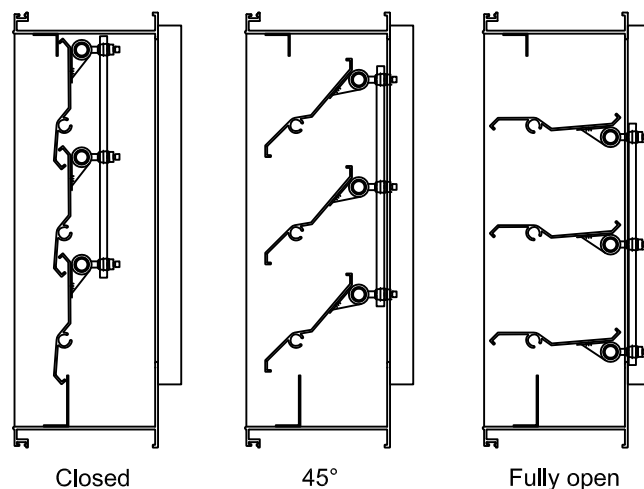
60"w x 96"h (1524mm x 2438mm) single section, Multiple louvers can be bolted together
up to 120"w x 84" h or 84"w x 120"h (3048mm x 2135mm or 2135mm x 3048mm)
Factory assembled multi-section max: 108"w x 48"h (2743mm x 1219mm) Larger sizes are field assembled.

OPTIONS:

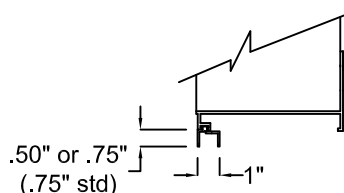
- ☐ Flanged Frame (1.5" std.)
- ☐ Custom Flange (1", 2", or 3")
- ☐ Glazing Adapter (.50" or .75")
- ☐ Extended Sill
- ☐ Insect Screen (Other Screens Available, See Screen Page)
- ☐ Filter Racks (no screen)
- ☐ Security Bars
- ☐ Blade Seals (EPDM)
- ☐ Jamb Seals (Stainless Steel)
- ☐ Hinged Sub Frame
- ☐ Actuator: See Actuator Selection Chart
- ☐ .125" Construction

AVAILABLE FINISHES:

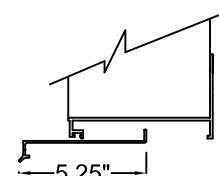
- ☐ **Powder Polyester TGIC** (2 coats) baked on at 410°F, 2.5 to 3.5 mils Meets AAMA-2603 Standards
- ☐ **Powder Super durable polyester** (2 coats) baked on at 410°F, 2.5 to 3.5 mils Meets AAMA-2604-05 Standards
- ☐ **Acrylic baked enamel** (ACRA-BOND® ULTRA) by AkzoNobel baked on at 350°F, 0.8 to 1.2 mils dry Meets AAMA-2603 Standards
- ☐ **Kynar®** (ALUM*A*STAR®) 2 coats by AkzoNobel baked on at 450°F, 1.2 to 1.6 mils dry Meets AAMA-2604-05 Standards
- ☐ **Kynar 500®** or **HYLAR® 5000 70% TRINAR®** (2 coats) by AkzoNobel baked on at 450°F, 1.2 to 1.6 mils dry, Meets AAMA-2605-05 Standards
- ☐ **Kynar 500®** or **HYLAR® 5000 (70% Tri-Escent II)** (2 coats) by AkzoNobel, a superior finish to other metallic or anodized finishes. A blend of mica, ceramic, and inorganic pigments creates subtle yet dazzling design that goes beyond metallic color without the requirement of a clear coat. 14 standard colors - custom colors available. Baked on at 415°F, 1.4 to 1.8 mils dry, meets AAMA 2605-05.
- ☐ **Clear Anodize 204 R-1 Class II** (AA-C22A31)(0.4 to 0.7 mil)
- ☐ **Clear Anodize 215 R-1 Class I** (AA-C22A41)(>0.7 mil)
- ☐ **Integral Color Anodize** (AA-C22A42)(>0.7 mil)
 - Clear coat available for all above finishes.
 - Hylar® 5000 is a registered trademark of Solvay Solexis, Inc.
 - Kynar® 500 is a registered trademark of Arkema.
 - ALUM*A*STAR® 50 and TRINAR® are registered trademarks of AkzoNobel
 - ACRA-BOND® ULTRA is a registered trademark of AkzoNobel



OPTIONAL FLANGE



OPTIONAL GLAZING ADAPTER



OPTIONAL EXTENDED SILL

*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.



3005 South Hickory Street
Chattanooga, Tennessee 37407
Tel: (423) 698-7715
Fax: (423) 698-6629
www.unitedenertech.com

MODEL FA-157 (High Performance 90° Adjustable Louver 6")

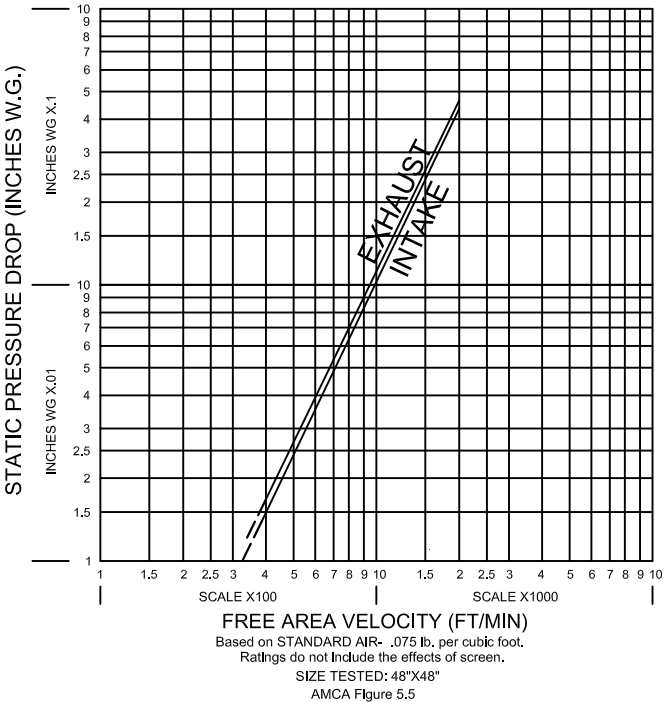
DRAWN BY:	DATE:	REV. DATE:	REV. NO.	APPROVED BY:	DWG. NO.:
CLJ	August 2013	March 2014	2	BGT	A-29a

Performance Data



United Enertech Corp. certifies that the louver FA-157 shown herein is licensed to bear the AMCA Seal. The ratings shown are base 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 rating seal applies to air performance.

Air Flow Resistance (blades fully open)



FA-157 FREE AREA IN SQ. FT. (Blades in full open position - 90 degrees)										
Louver Height Inches	Width - Inches									Louver Height Inches
12	0.34	0.55	0.76	0.97	1.18	1.39	1.60	1.81	2.02	12
18	0.66	1.06	1.47	1.88	2.28	2.69	3.09	3.50	3.90	18
24	1.05	1.69	2.33	2.98	3.62	4.27	4.91	5.55	6.20	24
30	1.42	2.29	3.16	4.03	4.90	5.78	6.65	7.52	8.39	30
36	1.67	2.69	3.72	4.75	5.77	6.80	7.83	8.85	9.88	36
42	2.12	3.43	4.73	6.04	7.34	8.65	9.95	11.26	12.57	42
48	2.43	3.92	5.41	6.90	8.40	9.89	11.38	12.88	14.37	48
54	2.83	4.57	6.30	8.04	9.78	11.52	13.26	15.00	16.74	54
60	3.18	5.13	7.09	9.04	11.00	12.95	14.91	16.87	18.82	60
66	3.27	5.29	7.30	9.32	11.33	13.35	15.36	17.38	19.39	66
72	3.90	6.30	8.70	11.10	13.50	15.91	18.31	20.71	23.11	72
78	4.16	6.72	9.28	11.84	14.40	16.96	19.52	22.08	24.64	78
84	4.61	7.44	10.28	13.11	15.94	18.78	21.61	24.45	27.28	84
90	4.94	7.98	11.02	14.06	17.10	20.14	23.18	26.22	29.26	90
96	5.31	8.58	11.85	15.12	18.38	21.65	24.92	28.19	31.46	96
102	5.68	9.18	12.67	16.17	19.67	23.16	26.66	30.16	33.65	102
108	5.95	9.61	13.27	16.93	20.59	24.25	27.91	31.57	35.23	108
114	6.39	10.32	14.25	18.18	22.11	26.04	29.97	33.90	37.83	114
120	6.70	10.83	14.95	19.08	23.21	27.33	31.46	35.58	39.71	120

FA-157 FREE AREA IN SQ. FT. (Blades in 45 degrees open position)										
Louver Height Inches	Width - Inches									Louver Height Inches
12	0.24	0.39	0.53	0.68	0.83	0.97	1.12	1.27	1.41	12
18	0.45	0.73	1.01	1.29	1.57	1.85	2.13	2.40	2.68	18
24	0.63	1.02	1.42	1.81	2.20	2.59	2.98	3.37	3.76	24
30	0.90	1.46	2.01	2.57	3.12	3.68	4.23	4.79	5.34	30
36	1.05	1.70	2.34	2.99	3.64	4.28	4.93	5.58	6.22	36
42	1.30	2.10	2.90	3.69	4.49	5.29	6.09	6.89	7.69	42
48	1.50	2.42	3.35	4.27	5.19	6.11	7.04	7.96	8.88	48
54	1.69	2.74	3.78	4.82	5.86	6.91	7.95	8.99	10.03	54
60	1.94	3.14	4.33	5.53	6.72	7.92	9.12	10.31	11.51	60
66	1.94	3.13	4.32	5.51	6.70	7.89	9.09	10.28	11.47	66
72	2.36	3.81	5.26	6.71	8.16	9.61	11.06	12.51	13.96	72
78	2.51	4.06	5.61	7.15	8.70	10.25	11.79	13.34	14.89	78
84	2.75	4.45	6.14	7.84	9.53	11.23	12.92	14.62	16.31	84
90	2.99	4.82	6.66	8.50	10.33	12.17	14.01	15.84	17.68	90
96	3.15	5.09	7.03	8.96	10.90	12.84	14.78	16.72	18.66	96
102	3.42	5.52	7.62	9.73	11.83	13.93	16.04	18.14	20.24	102
108	3.58	5.78	7.99	10.19	12.40	14.60	16.80	19.01	21.21	108
114	3.81	6.16	8.51	10.85	13.20	15.55	17.89	20.24	22.59	114
120	4.03	6.51	8.99	11.46	13.94	16.42	18.90	21.38	23.86	120

NOTE: 45 degree free area chart not certified by AMCA

FA-157 Specifications

Furnish and install louver as hereinafter specified where shown on plans or as described in schedules. Louver shall be stationary type with horizontal rain resistant style blades positioned on approximately 4.64" centers within 6" deep frame. Louver frame and blade materials to be .081" thick 6063-T5 extruded aluminum. Sections up to max of 60" w x 120"h shall withstand wind loading of 20 lbs/sq. ft. (100 mph wind equivalent). Consult factory for welded construction and higher wind speeds. Louver shall have a minimum free area of 11.38 sq. ft. when full open, based on the standard 48"w x 48"h test specimen. Louver shall have a maximum static pressure drop of 0.11" (Intake) & 0.12" (exhaust) water gage based on 1000 FPM free area velocity.