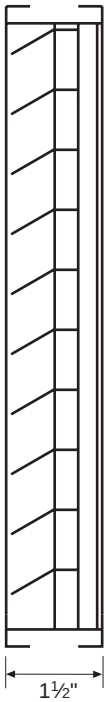
ESU-130
Thin-Line Stationary Louver
Extruded Aluminum

Application and Design

ESU-130 is a Thin-Line stationary louver commonly used for interior or exterior applications where high free area and low airflow resistance is required. The narrow frame depth and various frame options make them ideal products for installation into curtainwall, windows, door louvers and as air conditioning grilles.



Standard Construction

Frame: 6063T5 extruded aluminum, 1 1/2" x 0.063" nominal dimensions

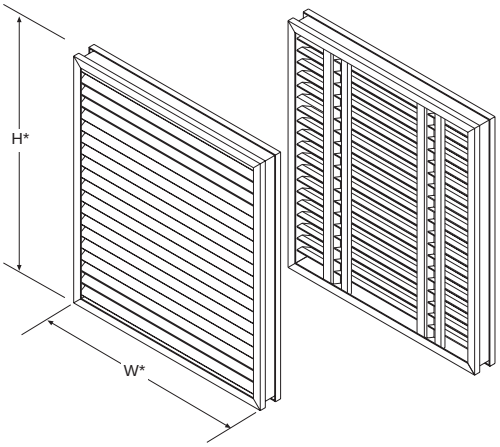
Blade: Thin-Line style, 6063T5 extruded aluminum, 0.063" nominal wall thickness, positioned at 30° angles on 3/4" centers

Birdscreen: 3/4" x 0.051" flattened expanded aluminum in removable frame, screen is mounted on inside (rear)

Finish: Mill

Minimum Size: 13.5"W x 10"H - without Flange
13.5"W x 12"H - with Flange

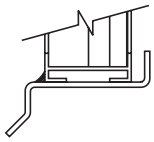
Maximum Single Section Size: 96"W x 48"H



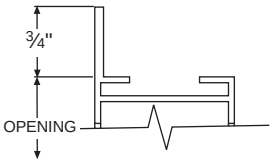
FRONT VIEW BACK VIEW

Options (at additional cost)

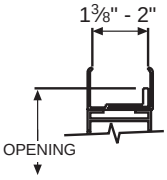
- Extended sill
- Flanged frame
- Captivated frame
- Glazing frame
- A variety of bird and insect screens
- A variety of architectural finishes including:
  - Clear anodized
  - Integral color anodized
  - Baked enamel
  - Kynar



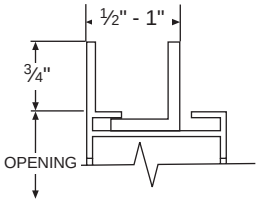
EXTENDED SILL



FLANGED FRAME



CAPTIVATED FRAME



GLAZING FRAME

✱ W & H Dimensions furnished approximately 1⁄4" under size.

Quantity	Size		Frame Type	
	W Width	H Height		

Project Location

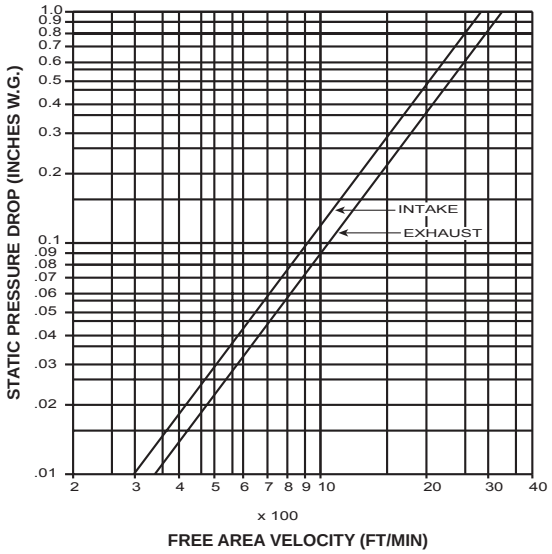
Contractor Architect/Engineer

ESU-130 Louver Performance Data

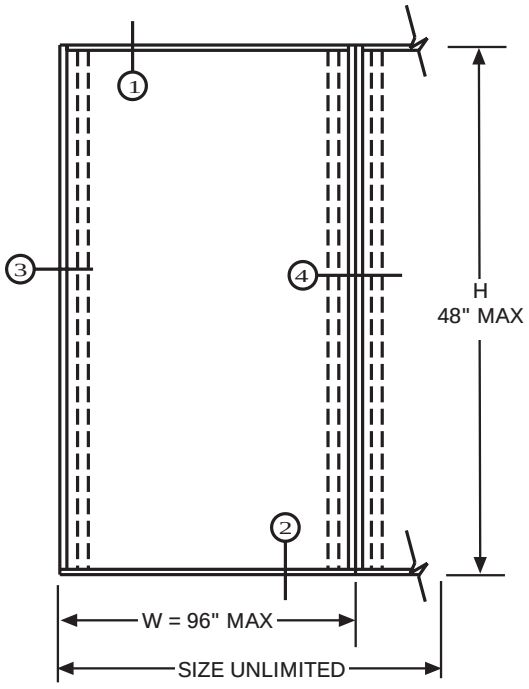
Free Area Chart

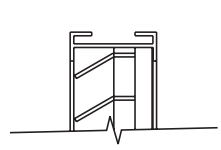
Louver Height Inches	Louver Width in Inches																Louver Height Inches
	10	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	
10	0.27	0.36	0.62	0.9	1.18	1.46	1.74	2.03	2.22	2.5	2.79	3.07	3.35	3.55	3.83	4.11	10
12	0.33	0.44	0.76	1.11	1.46	1.8	2.15	2.5	2.74	3.09	3.43	3.78	4.12	4.37	4.71	5.06	12
15	0.42	0.57	0.98	1.42	1.87	2.31	2.76	3.2	3.51	3.96	4.4	4.84	5.29	5.6	6.05	6.49	15
18	0.51	0.7	1.2	1.74	2.28	2.82	3.36	3.9	4.29	4.83	5.37	5.91	6.45	6.84	7.38	7.92	18
21	0.61	0.82	1.41	2.05	2.69	3.33	3.97	4.61	5.06	5.7	6.34	6.98	7.62	8.07	8.71	9.35	21
24	0.7	0.95	1.63	2.36	3.1	3.84	4.57	5.31	5.83	6.57	7.31	8.04	8.78	9.3	10.04	10.78	24
27	0.79	1.07	1.84	2.68	3.51	4.35	5.18	6.02	6.61	7.44	8.27	9.11	9.95	10.54	11.37	12.2	27
30	0.89	1.2	2.06	2.99	3.92	4.85	5.79	6.72	7.38	8.31	9.24	10.18	11.11	11.77	12.7	13.63	30
33	0.98	1.32	2.27	3.31	4.33	5.36	6.39	7.43	8.15	9.18	10.21	11.24	12.27	13	14.03	15.06	33
36	1.07	1.45	2.49	3.62	4.74	5.87	7	8.13	8.93	10.05	11.18	12.31	13.44	14.24	15.36	16.49	36
39	1.16	1.57	2.7	3.93	5.15	6.38	7.61	8.83	9.7	10.92	12.15	13.38	14.6	15.47	16.69	17.92	39
42	1.26	1.7	2.92	4.25	5.56	6.89	8.21	9.54	10.47	11.79	13.12	14.44	15.77	16.7	18.02	19.35	42
45	1.35	1.82	3.14	4.56	5.97	7.4	8.82	10.24	11.25	12.66	14.09	15.51	16.93	17.94	19.35	20.77	45
48	1.44	1.95	3.35	4.87	6.39	7.91	9.43	10.95	12.02	13.53	15.05	16.58	18.1	19.17	20.68	22.2	48
Louver Free Area in Square Feet																	

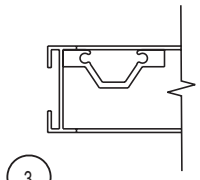
Airflow Resistance (Standard Air - .075 lb/ft³)

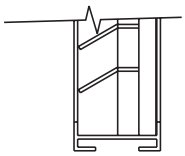


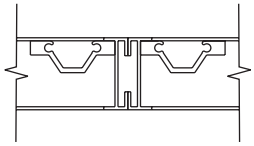
Typical Details











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