

Air Conditioning Thin line Louver in 1" thick frame - Model LEH-01

Design Features –Multi-purpose narrow profile design.

STANDARD CONSTRUCTION

ALL MATERIAL – EXTRUDED ALUMINUM 6063-T5 (KB-45)

FRAME

.063" thick extruded aluminum in style #3.

BLADES

.063" thick extruded aluminum, approx. spacing is 1" @ 30°

MAXIMUM SIZE

Unlimited, with mullions, structural bracing supplied by others

MAXIMUM FACTORY ASSEMBLY SIZE

120" w x 84" H" or 84" w x 120" H

(Allows for best handling)

(Type of finish may limit maximum single section)

MULLION

Visible

MINIMUM SIZE

12" w x 6" H

UNDERSIZED

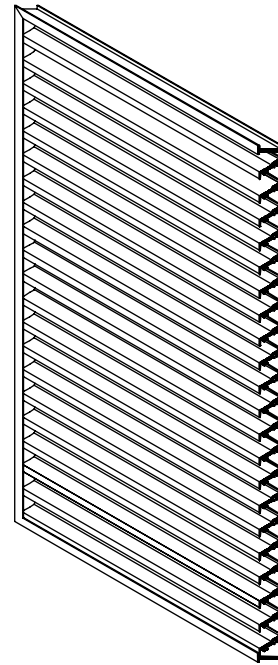
1/4" under ordered size unless specified Exact or Actual

SCREEN

3/4" x .051" flattened expanded aluminum bird screen no frame

FINISH

Mill



OPTIONAL CONSTRUCTION

SCREEN - Many styles available please consult screen listing

FINISH – Air-dry primer, polyurethane, epoxy, or enamel. Baked epoxy, Anodize or Kynar

MULLION – Invisible for architectural preference

SPECIAL PURPOSE CONSTRUCTION

Special Shapes; Round, Triangle, Trapezoid, Octagon, etc.

Fully welded construction

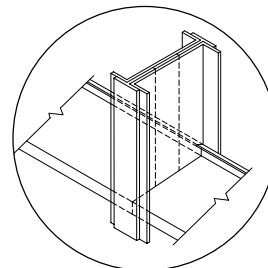
Security bars

Filter racks

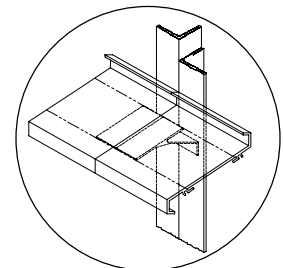
Hinged as walk through door or for swing out access

Sleeved for ductwork connection

MULLION STYLES

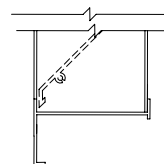


Visible

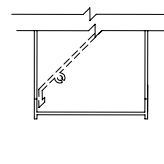


Invisible

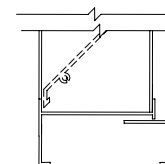
FRAME STYLE



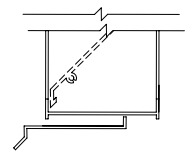
1- Flange (.75")



3 – Box

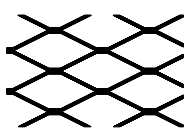


4- Telescoping Flange Frame

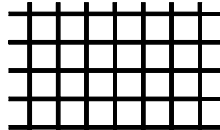


9 - Flange with Sub Frame

TYPICAL SCREEN STYLES



Expanded Aluminum Standard



Wire Mesh

DATE	ARCHITECT	CUSTOMER		
PROJECT				
ITEM	QTY	W	H	DESCRIPTION



DEPENDABLE PRODUCTS SINCE 1955

SAFE-AIR OF ILLINOIS INC.

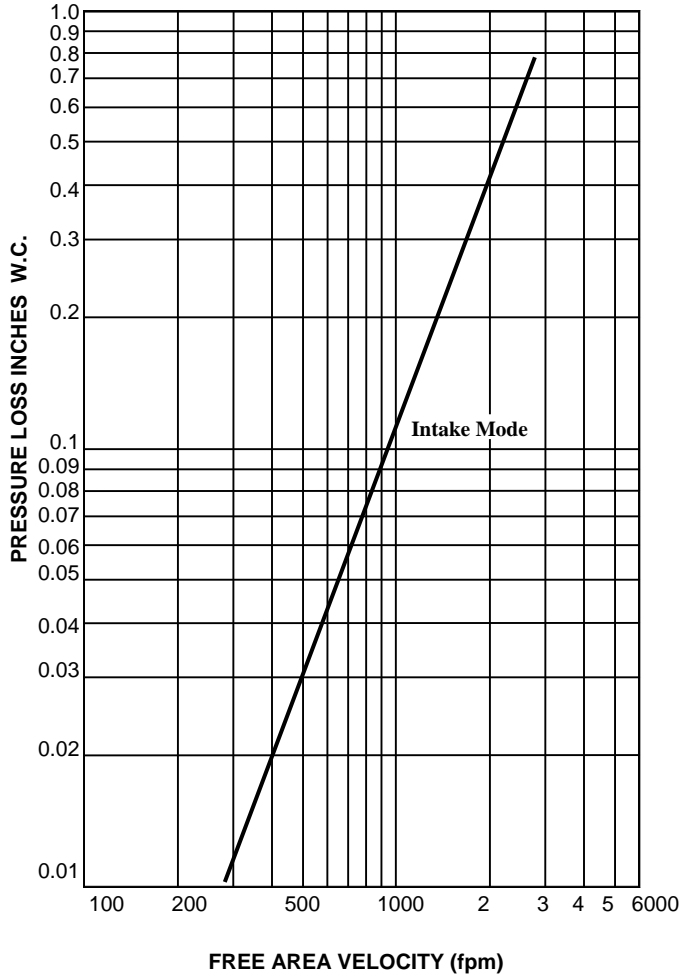
Engineering and General Offices

1855 South 54th Avenue, Cicero, Illinois 60804

Phone 708-652-9100 FAX 708-652-9158

All tests performed at an independent laboratory and based on AMCA standard – 500 for air performance.

AIR PERFORMANCE



CALCULATING PRESSURE LOSS

Based upon a given flow rate (in CFM), the flowing pressure loss may be determined from the "air performance graph", knowing the sq. ft. of free area of the damper. Alternately, the free area may be determined based upon a volumetric flow rate and a maximum pressure loss. Utilizing the "air performance" graph.

_____ in. W.C. Max. Pressure Loss Intake or Exhaust

_____ FPM (Free Area Velocity From "Air Performance" Graph)

_____ CFM / _____ FPM Free Area Velocity = _____ Sq. Ft. Free Area

FREE AREA CALCULATIONS IN SQ. FT.

		WIDTH																		
		Inches	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114
HEIGHT	12	0.54	0.83	1.12	1.41	1.70	1.99	2.28	2.57	2.85	3.14	3.43	3.72	4.01	4.30	4.59	4.88	5.16	5.45	5.74
	18	0.84	1.29	1.73	2.18	2.63	3.07	3.52	3.96	4.41	4.86	5.30	5.75	6.20	6.64	7.09	7.53	7.98	8.43	8.87
	24	1.14	1.74	2.34	2.95	3.55	4.16	4.76	5.36	5.97	6.57	7.17	7.78	8.38	8.99	9.59	10.19	10.80	11.40	12.00
	30	1.43	2.19	2.96	3.72	4.48	5.24	6.00	6.76	7.52	8.28	9.05	9.81	10.57	11.33	12.09	12.85	13.61	14.37	15.14
	36	1.73	2.65	3.57	4.49	5.41	6.32	7.24	8.16	9.08	10.00	10.92	11.84	12.76	13.67	14.59	15.51	16.43	17.35	18.27
	42	2.03	3.10	4.18	5.26	6.33	7.41	8.48	9.56	10.64	11.71	12.79	13.87	14.94	16.02	17.09	18.17	19.25	20.32	21.40
	48	2.32	3.56	4.79	6.02	7.26	8.49	9.73	10.96	12.19	13.43	14.66	15.89	17.13	18.36	19.60	20.83	22.06	23.30	24.53
	54	2.62	4.01	5.40	6.79	8.19	9.58	10.97	12.36	13.75	15.14	16.53	17.92	19.32	20.71	22.10	23.49	24.88	26.27	27.66
	60	2.92	4.47	6.01	7.56	9.11	10.66	12.21	13.76	15.31	16.86	18.40	19.95	21.50	23.05	24.60	26.15	27.70	29.25	30.79
	66	3.21	4.92	6.63	8.33	10.04	11.74	13.45	15.16	16.86	18.57	20.28	21.98	23.69	25.39	27.10	28.81	30.51	32.22	33.93
	72	3.51	5.37	7.24	9.10	10.97	12.83	14.69	16.56	18.42	20.28	22.15	24.01	25.88	27.74	29.60	31.47	33.33	35.19	37.06
	78	3.81	5.83	7.85	9.87	11.89	13.91	15.93	17.96	19.98	22.00	24.02	26.04	28.06	30.08	32.10	34.13	36.15	38.17	40.19
84	4.10	6.28	8.46	10.64	12.82	15.00	17.18	19.35	21.53	23.71	25.89	28.07	30.25	32.43	34.61	36.78	38.96	41.14	43.32	
90	4.40	6.74	9.07	11.41	13.74	16.08	18.42	20.75	23.09	25.43	27.76	30.10	32.43	34.77	37.11	39.44	41.78	44.12	46.45	
96	4.70	7.19	9.68	12.18	14.67	17.17	19.66	22.15	24.65	27.14	29.63	32.13	34.62	37.12	39.61	42.10	44.60	47.09	49.58	
102	4.99	7.64	10.30	12.95	15.60	18.25	20.90	23.55	26.20	28.85	31.51	34.16	36.81	39.46	42.11	44.76	47.41	50.06	52.72	
108	5.29	8.10	10.91	13.72	16.52	19.33	22.14	24.95	27.76	30.57	33.38	36.19	38.99	41.80	44.61	47.42	50.23	53.04	55.85	
114	5.59	8.55	11.52	14.49	17.45	20.42	23.38	26.35	29.32	32.28	35.25	38.22	41.18	44.15	47.11	50.08	53.05	56.01	58.98	
120	5.88	9.01	12.13	15.25	18.38	21.50	24.63	27.75	30.87	34.00	37.12	40.24	43.37	46.49	49.62	52.74	55.86	58.99	62.11	