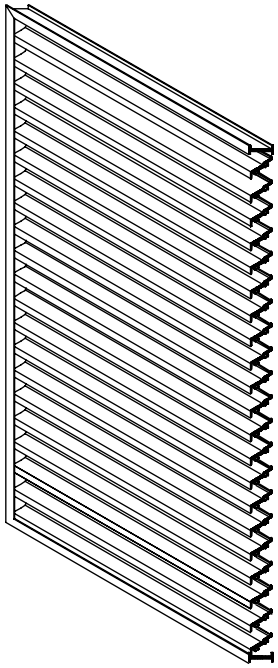
EXTRUDED ALUMINUM LOUVER

Air Conditioning Thin-Line Louver in 1-3/8” 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
60” W x 84” H” or 84” W x 60” H
(Allows for best handling)
(Type of finish may limit maximum single section)
MULLION
Visible Only
MINIMUM SIZE
6" W x 6” H (152 X 152mm)
UNDERSIZED
1/4” under ordered size unless specified Exact or Actual
SCREEN
None
FINISH
Mill

OPTIONAL CONSTRUCTION

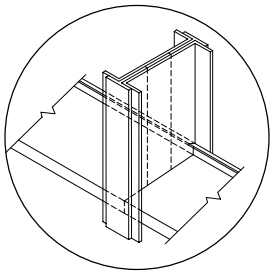
FINISH – Factory Prime Coat, Powder Epoxy, Powder Coat (AAMA 2604), Powder Coat (AAMA 2605), Kynar 500 2-step, Kynar 500 3-step, Clear Anodized 204-R1,* Clear Anodized 215-R1*, Bronze Anodized*, Black Anodized*

*Please note that anodized finishes cannot exceed 48" in width or height due to tank size limitations, consult factory for sizes in excess of 48" in either dimension

SPECIAL PURPOSE CONSTRUCTION

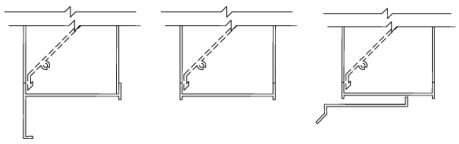
Special Shapes; Round, Triangle, Trapezoid, Octagon, etc.
Fully welded construction
Security bars
Filter racks
Hinged as walk-through door or for swing-out access
Sleeved for ductwork connection

MULLION STYLE



Visible

FRAME STYLES



1- Flange (.75”) | 3 – Box | 9 - Flange with Sub Frame

DATE	ARCHITECT			CUSTOMER
PROJECT				
ITEM	QTY	W	H	DESCRIPTION

DEPENDABLE PRODUCTS SINCE 1955

SAFE-AIR OF ILLINOIS INC.

Engineering and General Offices

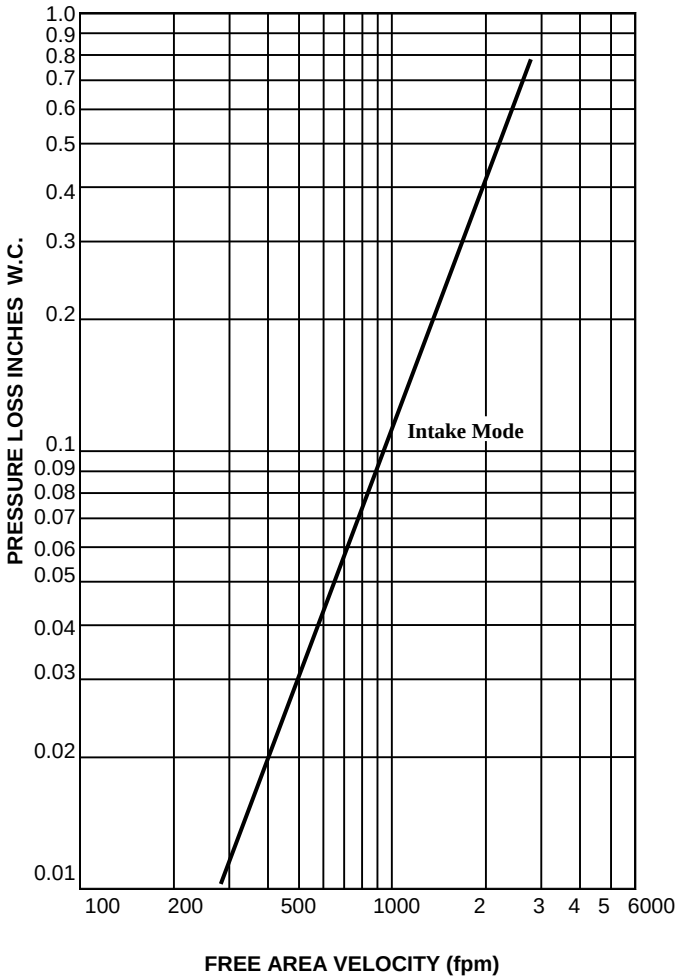
1855 South 54th Avenue, Cicero, Illinois 60804

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

LEH-01 PERFORMANCE SPECIFICATIONS

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.

HEIGHT \ WIDTH	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
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