

2020
PRODUCTS

Louvers

Product Catalogue

Aluminum Louver

Type (ALV)



Khedr Trust
ALL AIR PRODUCTS

Aluminum Louver products are
manufactured by

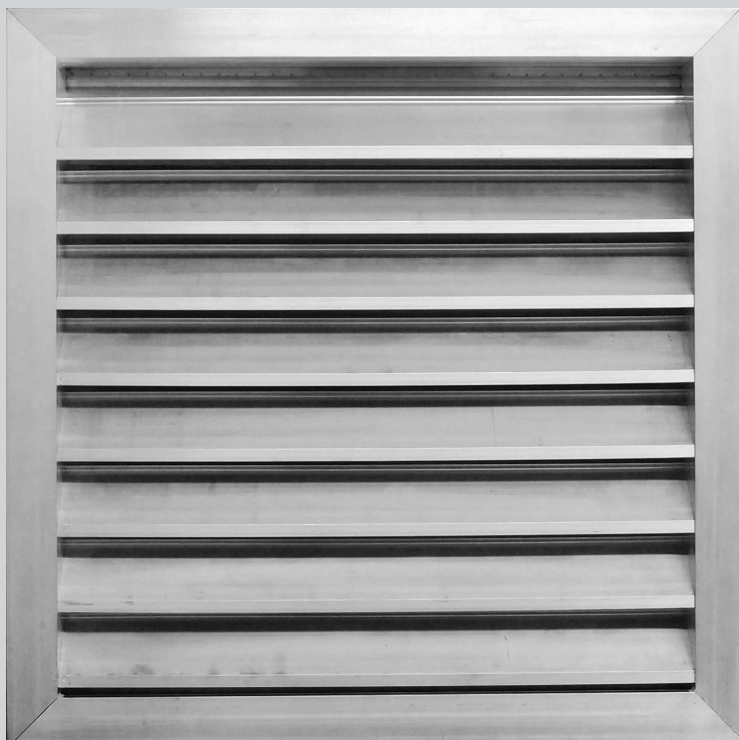


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our priority”

www.khedr-eg.com





Models

- ALV-EL - Exhaust & Supply Louvers
- ALV-AC - Acoustic Louvers
- ALV-PH - Penthouse Louvers



Features

- Frame and blades are extruded aluminum alloy.
- Can be manufactured from GI or St.s as option.



Aluminum Louver

Model Design

Khedr Aluminum Lovers are designed for ventilation applications.

Model Use

For supply applications can be provided with volume damper to control the amount of air.

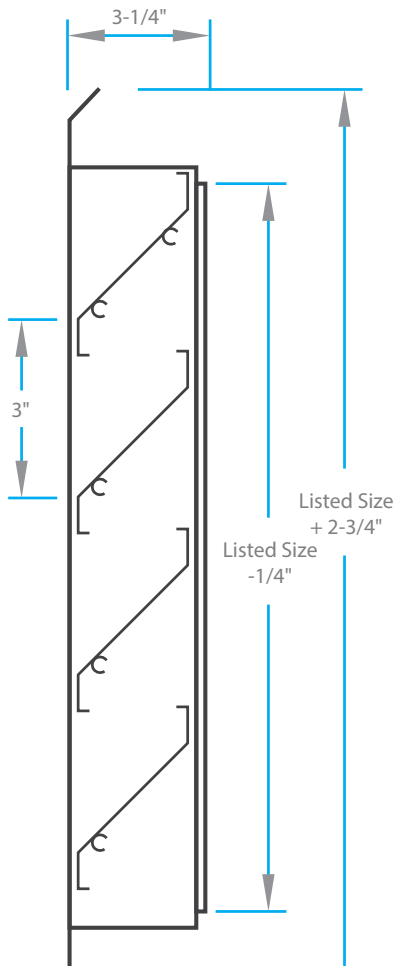
Filters

Also can provided with suitable filters and bird screen.

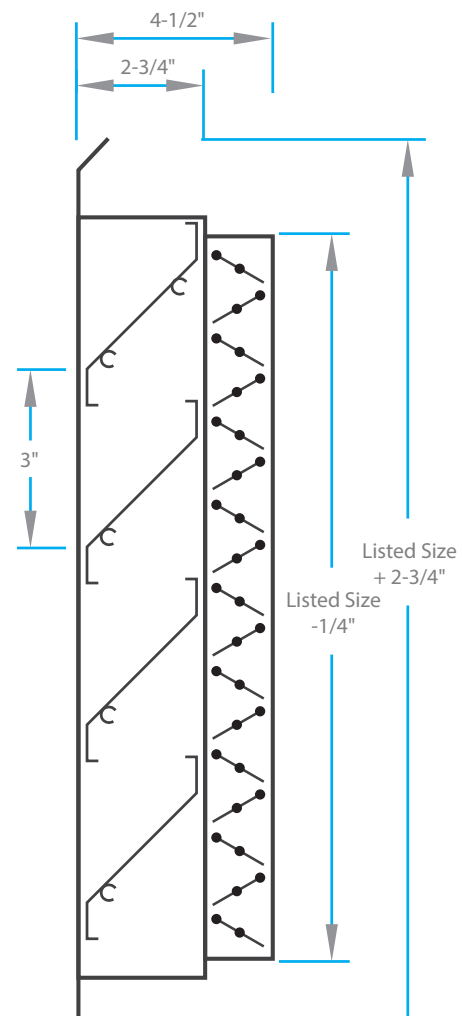
- Construction & Specs.

A- Type (ALV-EL) - Exhaust Louvers

- Frame and blades are extruded aluminum alloy.
- The frame and blades have atypical wall thickness of 1/16".
- The blades are spaced 3" on center and are set at 45° to the horizontal.
- An expanded bird screen is attached to the interior face of the louver.



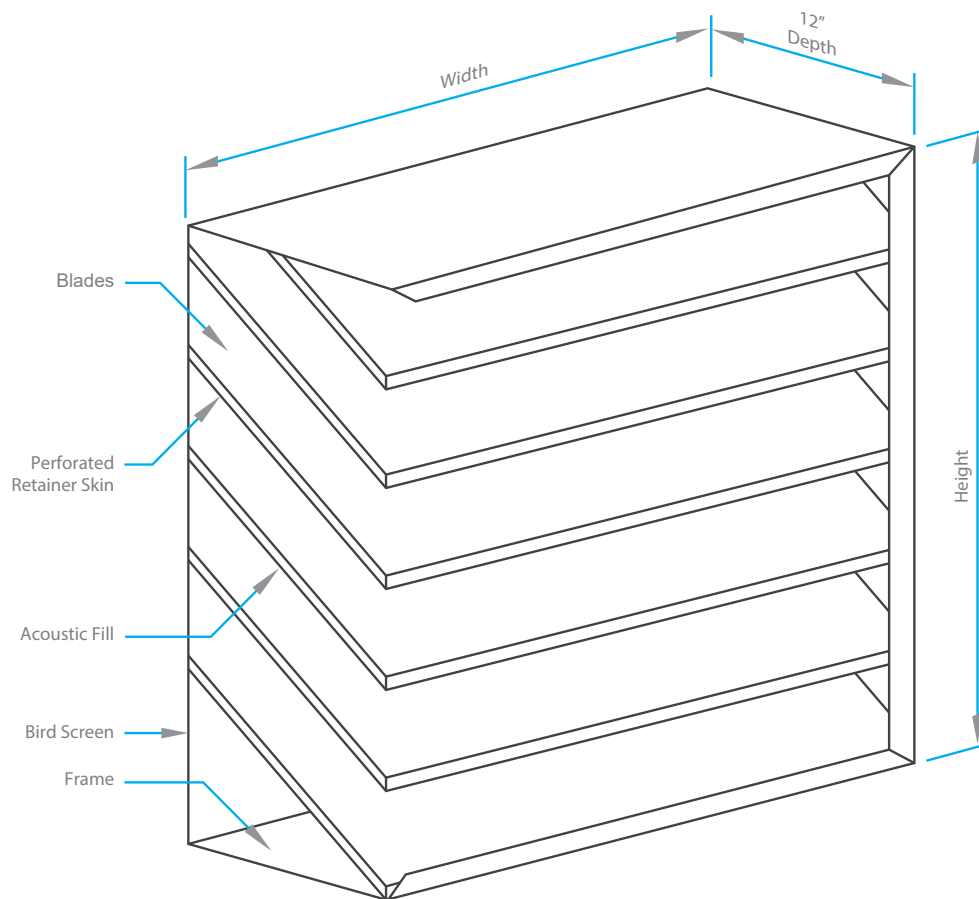
Fixed Blades with Bird Screen



Fixed Blades with Bird Screen and Volume Damper

B. Type (AL-AC) – Acoustic Louvers

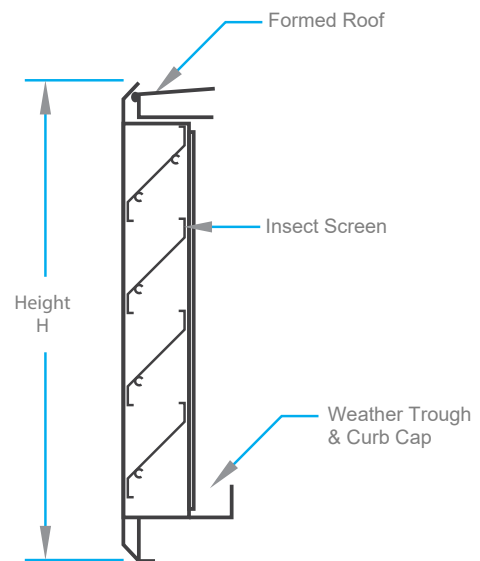
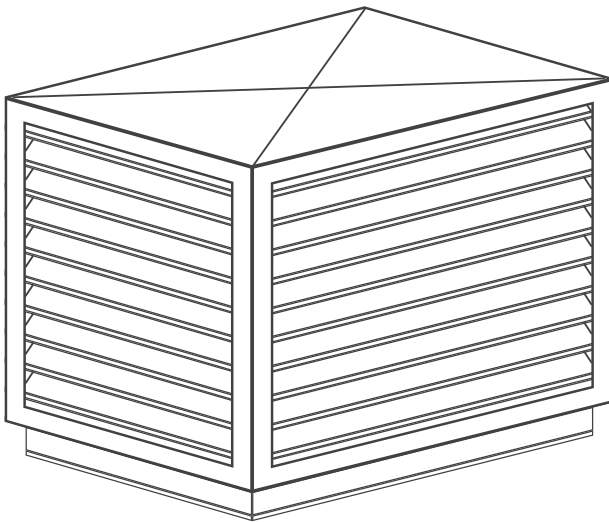
- Acoustic Louvers are designed for sound attenuation.
- The frame and blades have atypical wall thickness of 1/16".



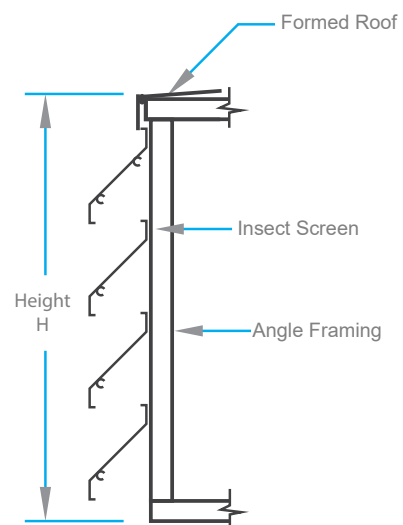
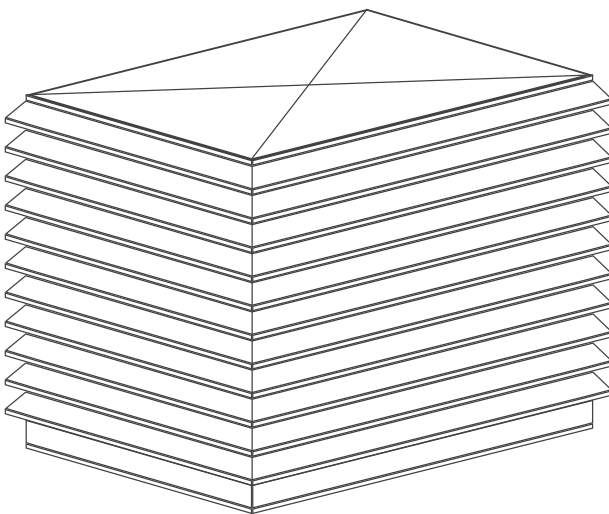
C. Type (ALV-PH) – Penthouse Louvers

- Penthouse Louvers are designed for roof mounted units designed for air intake, pressure relief and exhaust applications.
- Frame and blades are extruded aluminum alloy.
- The frame and blades have atypical wall thickness of 1/16".
- The top of the unit is covered with hinged access door for easy access.

A. Mullion Corner



B. Mitered Corner



– Performance Data

A- Type (ALV-EL) – Exhaust Louvers

Free Area "Ft²"

Height (Inch)	Width (Inch)												
	12	14	16	18	20	24	30	36	42	48	54	60	72
12	0.22	0.26	0.30	0.34	0.38	0.46	0.58	0.70	0.82	0.94	1.06	1.18	1.42
16	0.37	0.43	0.50	0.57	0.64	0.77	0.98	1.18	1.38	1.59	1.79	1.99	2.40
20	0.52	0.61	0.71	0.80	0.90	1.09	1.38	1.66	1.95	2.24	2.52	2.81	3.38
24	0.67	0.79	0.91	1.04	1.16	1.41	1.78	2.15	2.52	2.89	3.26	3.63	4.37
28	0.82	0.97	1.12	1.27	1.42	1.72	2.18	2.63	3.08	3.54	3.99	4.44	5.35
32	0.97	1.04	1.32	1.50	1.68	2.04	2.58	3.11	3.65	4.18	4.72	5.26	6.33
36	1.12	1.32	1.53	1.74	1.94	2.36	2.98	3.60	4.22	4.84	5.46	6.08	7.32
40	1.27	1.50	1.73	1.97	2.20	2.67	3.38	4.08	4.78	5.49	6.19	6.89	8.30
44	1.41	1.68	1.94	2.20	2.46	2.98	3.78	4.55	5.34	6.12	6.91	7.69	9.26
48	1.57	1.86	2.15	2.44	2.73	3.31	4.18	5.05	5.92	6.79	7.66	8.53	10.27
52	1.72	2.03	2.35	2.67	2.99	3.62	4.58	5.53	6.48	7.44	8.39	9.34	11.25
56	1.87	2.21	2.56	2.90	3.25	3.94	4.98	6.01	7.05	8.08	9.12	10.16	12.23
60	2.02	2.39	2.76	3.14	3.51	4.26	5.38	6.50	7.62	8.74	9.86	10.98	13.22

Aluminum Louver products are manufactured by Khedr Trust Co.

B. Type (ALV-AC) – Acoustic Louvers

i. Pressure Drop

Face Velocity "FPM"	100	150	200	250	300	350	400	450	500	550	600
Pressure Drop "In. W.G"	0.008	0.012	0.024	0.036	0.052	0.068	0.092	0.112	0.140	0.168	0.200

ii. Transmission Loss

Octave Band Number	1	2	3	4	5	6	7	8
Center Frequency "Hz"	63	125	250	500	1000	2000	4000	8000
Transmission Loss "dB"	5	5	7	12	18	21	16	16

C. Type (ALV-PH) – Penthouse Louvers

i. Pressure Drop

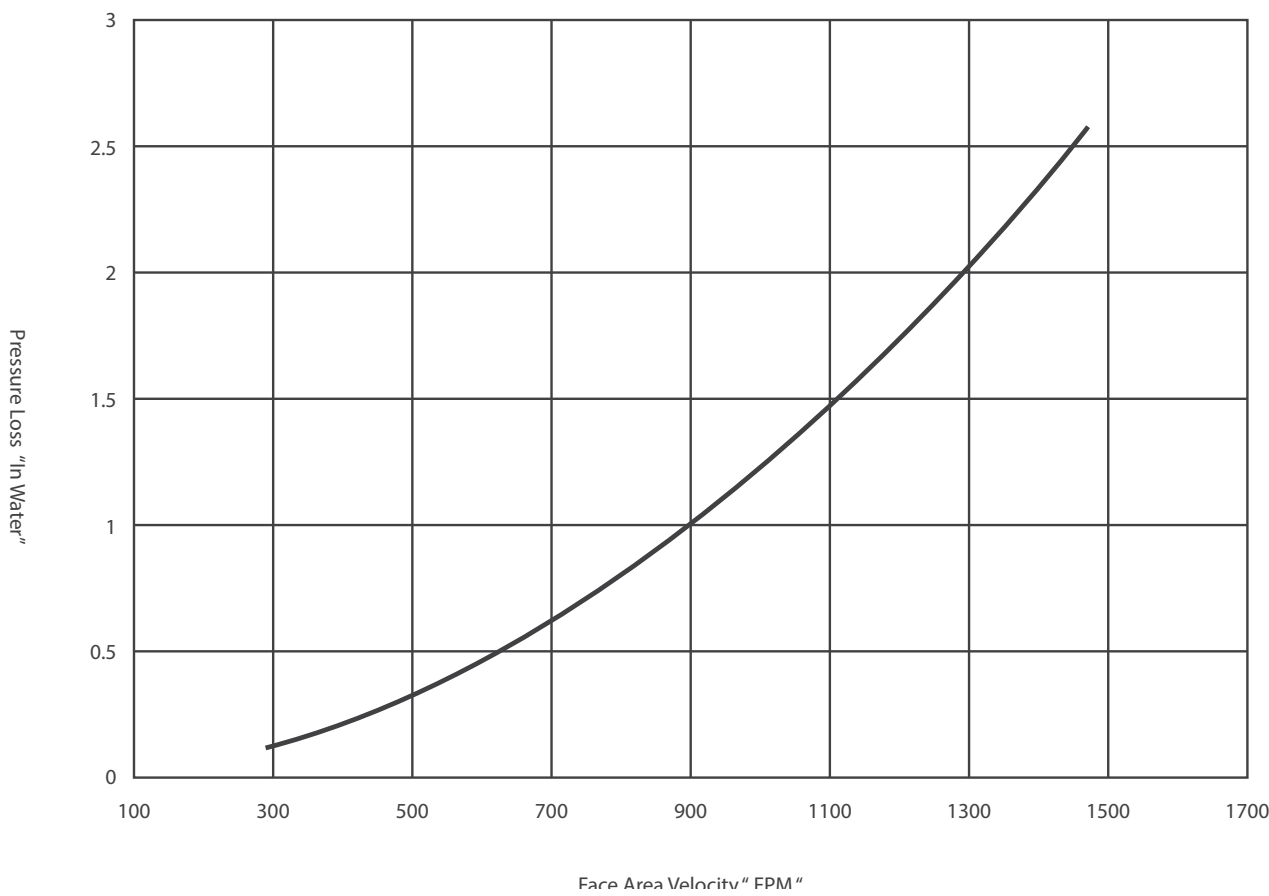
Face Velocity "FPM"		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
Pressure Drop "In. W.G"	Intake	0.007	0.016	0.028	0.044	0.062	0.087	0.112	0.143	0.173	0.212	0.252	0.296	0.344	0.395
	Exhaust	0.007	0.018	0.031	0.049	0.069	0.096	0.124	0.158	0.192	0.235	0.279	0.328	0.381	0.436

- Aerodynamic Data

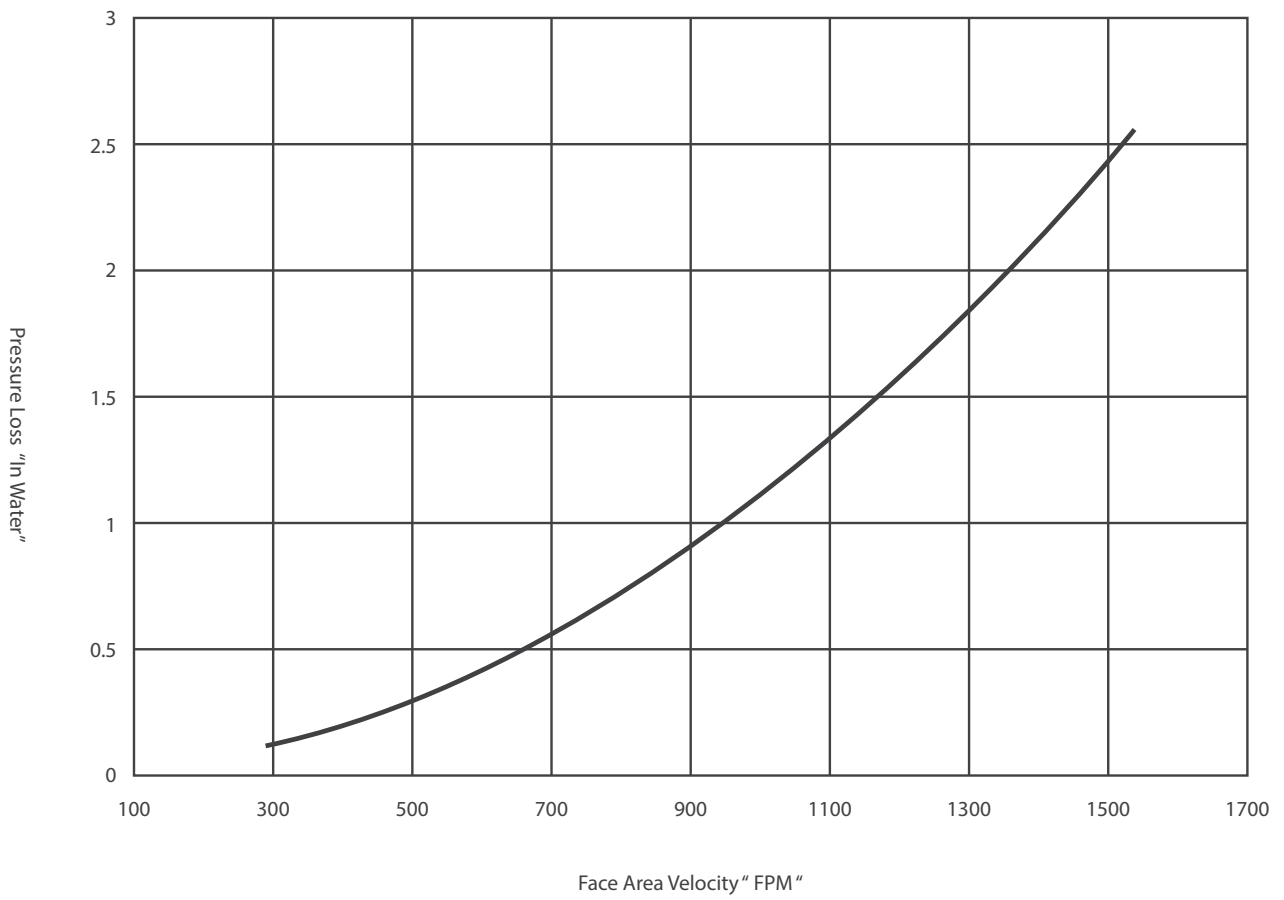
A. Type (ALV-EL) – Exhaust & Supply Louvers

Pressure Drop

1. Supply Louvers



2. Exhaust Louvers



– How to order

Type	ALV-EL	ALV-EL ALV-AC ALV-PH	Exhaust Louver Acoustic Louver Penthouse Louver
Size	24 X 24	Size Inch”	
Finish	1	0 1 2	Aluminum White Color Other Colors
Damper	0	0 1	Without Damper With Damper

Aluminum Louver products are manufactured by Khedr Trust Co.

Other Products are provided by Khedr Trust Co.

Diffusers & Grills

Slot Linear Diffuser
Eye Ball Diffuser
Circular Ceiling Diffuser
Swirl Diffuser
Perforated Ceiling Diffuser
Jet Diffuser
Square Ceiling Diffuser
Disc Valve Diffuser
Linear Bar Grill
Supply / Return Grill
Door Grill

Louvers

Aluminum Louver
Sand Trap Louver

Dampers

Volume Damper
Fire Damper
Smoke Motorized Damper
Shutter Damper
Pressure Relief Damper

Special Parts

Sound Attenuator
Plenum Box

Duct Works

Galvanized Steel Duct
Black Steel Duct
Stainless Steel Duct
Spiral Duct
Flexible Duct
Canvas
Flanges
Flexible Duct Connector



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