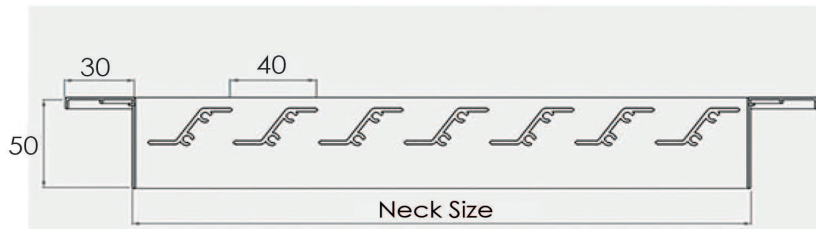


FRESH AIR LOUVER



Out standing technique for highest demands Unique in comfort, acousrics and design

Construction

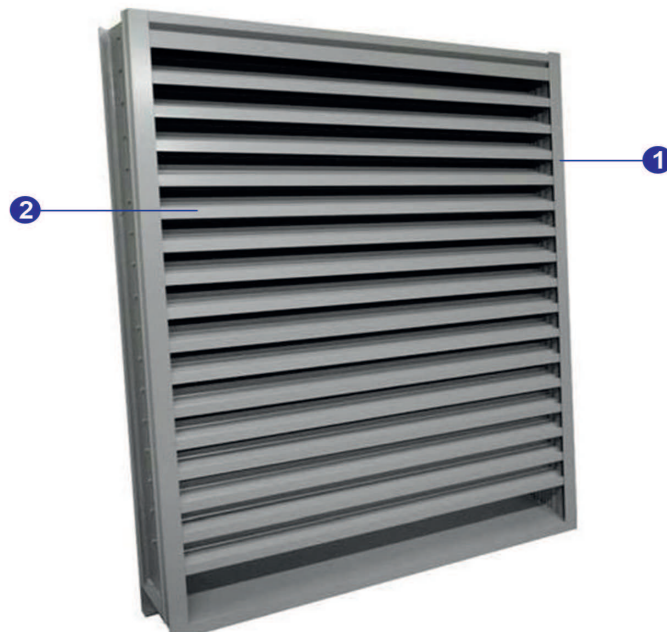


1- Frame

Made from High quality extruded aluminum profile with 40 mm flange width as standard and nonstandard width is available as option

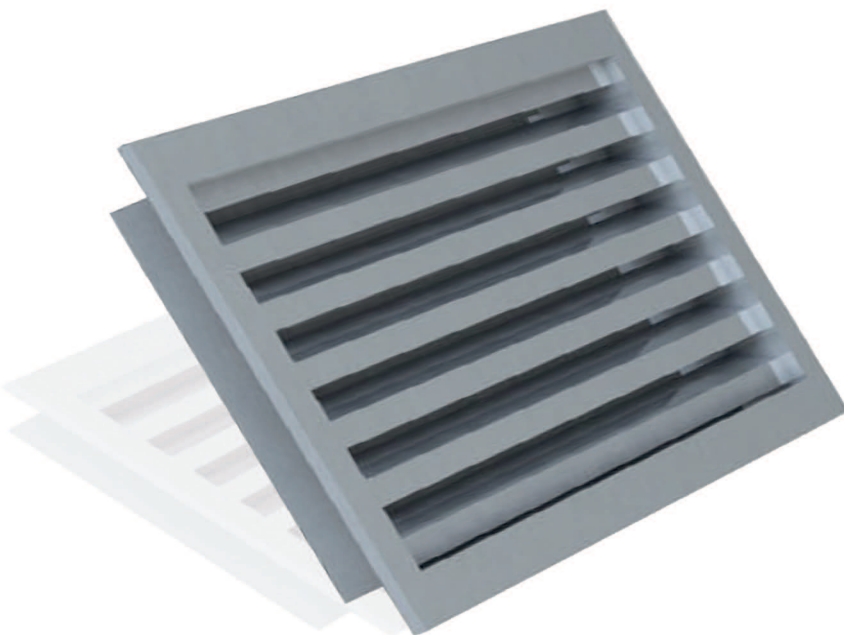
2- Blade

Made from High quality extruded aluminum profile with 35 mm spacing



Description

- Frame and blades manufactured from high quality extruded aluminum profiles with Powder coated color finish.
- Blades are fixed rigidly to the main frame by rivets.
- Blades are set at angle of 45° to the horizontal with 35 mm spacing.
- Air louver is weather proofed and blades are inclined downwards to protect against rain water.
- Air Louver may be used for fresh air or exhaust air, fresh air louver (FAL) supplied with easily removable filter as standard and exhaust air louver (EX.AL) supplied with galvanized iron wire mesh 1.5 mm thickness as standard with flexibility of supplying is available as option.
- Air louver can be supplied with easily removable volume damper. Damper is fixed rigidly to the frame by aluminum rivets.
- Air louver can be supplied with galvanized iron wire mesh with 1.5 mm thickness and other thicknesses and material are available as option.
- Air louver can be supplied with easily removable filter with 20 mm thickness as standard and non standard thicknesses are available as option.
- Air louvers are designed to provide weather protection for ventilation opening of buildings and electrical transformer rooms, etc.
- Powder coated color finish per RAL color codes as standard and flexibility of finish.



Velocity & Pressure

- Face velocity vs. total pressure drop.

Face velocity in m/sec	1.25	1.5	2.0	2.5	3.0	3.5	3.75	4.0	4.5
Exhaust in mm of water	0.248	0.331	0.564	0.814	1.151	1.595	1.825	3.143	3.290
Intake in mm of water	-0.35	-0.57	-0.83	-1.21	-1.69	-2.35	-2.69	-3.27	-3.85

- Intake pressure drop includes pressure drop across filters.
- Readings are taken when the damper is fully opened condition .

Effective pressure area in sq.m

Height in mm	Width in mm													
	300	350	400	450	500	550	600	650	700	750	800	850	900	1000
300	0.038	0.049	0.055	0.063	0.069	0.077	0.084	0.091	0.098	0.105	0.111	0.119	0.125	0.139
350	0.049	0.057	0.065	0.073	0.082	0.089	0.097	0.106	0.111	0.122	0.13	0.138	0.147	0.163
400	0.055	0.065	0.074	0.084	0.093	0.102	0.111	0.121	0.13	0.14	0.148	0.158	0.167	0.186
450	0.063	0.073	0.084	0.094	0.105	0.115	0.125	0.136	0.146	0.156	0.167	0.178	0.188	0.209
500	0.069	0.082	0.093	0.105	0.116	0.128	0.139	0.152	0.163	0.175	0.186	0.198	0.209	0.23
550	0.077	0.089	0.102	0.115	0.128	0.14	0.153	0.166	0.179	0.191	0.204	0.218	0.23	0.256
600	0.084	0.097	0.111	0.125	0.139	0.153	0.167	0.181	0.195	0.209	0.223	0.237	0.251	0.279
650	0.091	0.106	0.121	0.136	0.152	0.166	0.181	0.196	0.212	0.227	0.242	0.257	0.272	0.302
700	0.098	0.114	0.13	0.146	0.163	0.179	0.195	0.212	0.228	0.244	0.26	0.277	0.293	0.325
750	0.105	0.122	0.14	0.156	0.175	0.191	0.209	0.227	0.244	0.261	0.279	0.296	0.314	0.349
800	0.11	0.13	0.148	0.167	0.186	0.204	0.223	0.242	0.26	0.279	0.297	0.316	0.335	0.372
850	0.119	0.138	0.158	0.178	0.197	0.217	0.237	0.257	0.277	0.296	0.316	0.335	0.356	0.395
900	0.125	0.147	0.167	0.188	0.209	0.23	0.251	0.272	0.293	0.314	0.335	0.365	0.367	0.418
1000	0.139	0.163	0.186	0.21	0.23	0.256	0.279	0.302	0.325	0.349	0.372	0.395	0.418	0.464

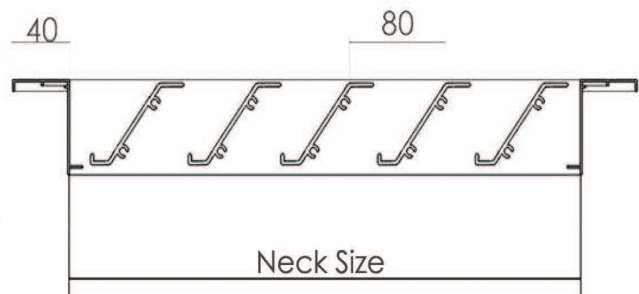
Air Heavy Louver

Frame

Made from High quality extruded aluminum profile with 40 mm flange width as standard and non standad widths are available as option .

Blade

Made from High quality extruded aluminum profile with 80 mm spacing .



- Air heavy louver (AHL) are designed for large dimensions.
- Frame and blades manufactured from high quality extruded aluminum profiles with Powder coated color finish.
- Blades are fixed rigidly to the main frame by rivets.
- Blades are set at angle of 45" to the horizontal with 80 mm spacing.
- Air louver is weather proofed and blades are inclined downwards to protect against rain water.
- Air louver is weather be supplied with easily removable volume damper Damper is fixed rigidly to the frame by aluminum rivets.
- Air louvers are designed to provide weather protection for ventilation opening of buildings and electrical Transformer rooms, etc.
- Powder coated color finish per RAL color codes as standard and flexibility of finish.



Velocity & Pressure

- Face velocity vs. total pressure drop across the louver

Face velocity in m / sec	1.25	1.5	2.0	2.5	3.0	3.5	3.75	4.0	4.5
Exhaust in mm of water	0.19	0.26		0.48	0.79	1.1	1.52	2.0	2.60

- Effective pressure area in sq.m

Width in mm

Height in mm	300	350	400	450	500	550	600	650	700	750	800	850		1000
300	0.059	0.076	0.085	0.098	0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.21
350	0.067	0.08	0.10	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.20	0.21	0.22	0.25
400	0.080	0.10	0.11	0.13	0.14	0.15	0.17	0.18	0.20	0.21	0.23	0.24	0.25	0.28
450	0.098	0.11	0.13	0.14	0.16	0.17	0.19	0.21	0.22	0.24	0.25	0.27	0.29	0.32
500	0.10	0.12	0.14	0.15	0.18	0.19	0.21	0.23	0.25	0.27	0.28	0.30	0.32	0.35
550	0.11	0.13	0.15	0.17	0.19	0.21	0.23	0.25	0.27	0.29	0.31	0.33	0.35	0.39
600	0.12	0.15	0.17	0.19	0.21	0.23	0.25	0.28	0.30	0.32	0.34	0.36	0.39	0.43
650	0.14	0.16	0.18	0.21	0.23	0.25	0.28	0.30	0.32	0.35	0.37	0.39	0.42	0.46
700	0.15	0.17	0.20	0.22	0.25	0.27	0.30	0.35	0.35	0.37	0.40	0.43	0.45	0.50
750	0.16	0.18	0.21	0.24	0.27	0.29	0.32	0.35	0.37	0.40	0.43	0.46	0.48	0.54
800	0.17	0.20	0.23	0.25	0.28	0.31	0.34	0.37	0.40	0.43	0.46	0.49	0.52	0.57
850	0.18	0.21	0.24	0.27	0.30	0.33	0.36	0.39	0.43	0.46	0.49	0.52	0.55	0.61
900	0.19	0.22	0.25	0.29	0.32	0.35	0.39	0.42	0.45	0.48	0.55	0.55	0.58	0.65
1000	0.21	0.25	0.28	0.32	0.35	0.39	0.43	0.46	0.50	0.54	0.57	0.61	0.65	0.72

Non-Standard Louver

- In addition to standard . square and rectangular patterns Egy-Air can also fabricate special louvers to almost any practical design.
- Circular. Semi-circular. Triangular. Hexagonal or any non-standard shape.
- Non standard Air louver can be supplied with all accessories wire mesh filters and volume control dampers .



How To Order

