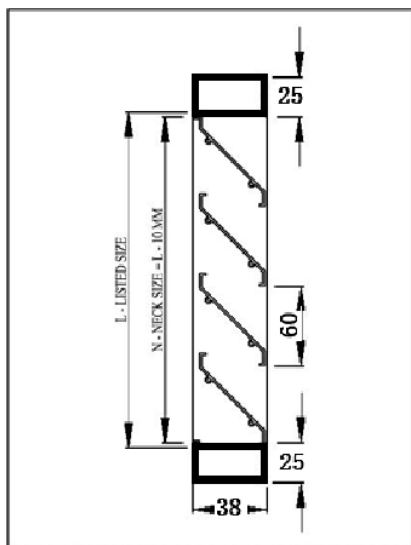


ALUMINIUM LOUVER



Material: A6061T4/A6063T5
Color coating: POWDER COATING
Chalking time up to 20years
Construction: High quality extruded aluminium profile of 0.6-1.2mm skin thickness
Blade width: 70mm
Blade pitch: 40mm-80mm standard.
Frame size: 25*38mm



Description:

Composed of frame and horizontal blade assembly made of high-quality extruded aluminium profile with the advantage of durable and corrosion resistant powder coating.

Designed to have fixed type, socket type(removable), hinge type (openable). There are fixed angle turning blade, manual turn angle blade and electric turn angle blade(with remote control). Which can be used for all kinds of conditions. Turning from 0°close- 90full open, fixed type angle of 45°against rain water penetration.

Manual Turn



Electric Turn



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Turning closed



45° Open for Ventilation

Project example:



CHANGZHOU ALCO INTERNATIONAL
CO.,LTD.
NO.5-2 TAIHUXI ROAD, CHANGZHOU
JIANGSU, CHINA
WEB site:www.alcochina.com
TEL:0086-519-85602101,
FAX:0086-519-85602102

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Datasheet

NO.	TEST ITEM	UNIT	STANDARD	TEST RESULT	JUDGEMENT
1,	SKIN THICKNESS	MM	1.0	1.0	PASS
2,	TURNING ANGLE	DEGREE	0-90	45 FIXED	PASS
	MATERIAL			A6063T5	PASS
	COLOR COATING			POWDER COATING	PASS
	NOISE REDUCTION	dB	Open 0° full close	25	PASS
			Open 45° half open	12	PASS
			Open 90° full open	6	PASS
	Mg	%	0.45-0.9	0.58	PASS
	Si	%	0.20-0.60	0.5	PASS
	Fe	%	0.35max.	0.15	PASS
	Cu	%	0.10max.	0.05	PASS
	Zn	%	0.10max.	0	PASS
	Mn	%	0.10max.	0	PASS
	Cr	%	0.10max.	0	PASS
	Ti	%	0.10max.	0	PASS

Noise reduction tested under below conditions:



Table 14.3 - 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	0.32	0.48	0.79	1.1	1.52	2.0	2.6

Table 14.4 - Effective Pressure Areas in sq.m

HEIGHT IN MM	WIDTH IN MM													
	300	350	400	450	500	550	600	650	700	750	800	850	900	1000
300	0.059	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	0.076	0.08	0.10	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.2	0.21	0.22	0.25
400	0.08	0.10	0.11	0.13	0.14	0.15	0.17	0.18	0.2	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	0.16	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	0.13	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

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