



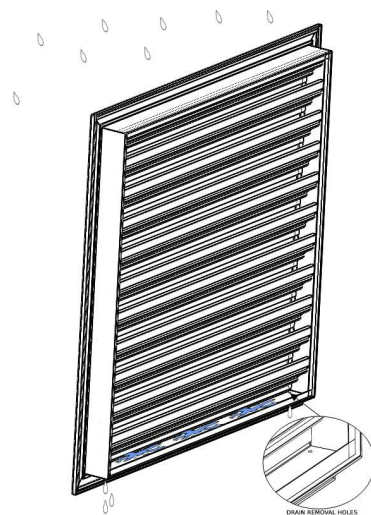
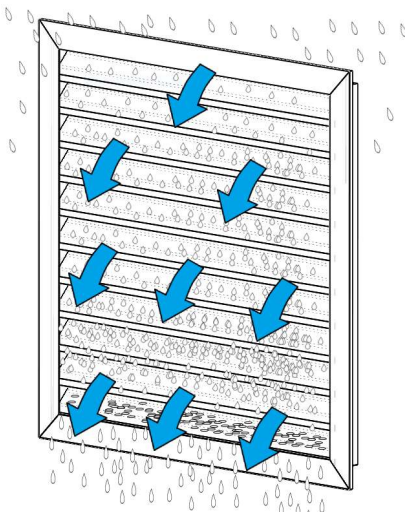
Large Weather Proof Louvre

General Information

A louvre is a ventilation product that allows air to pass through it while keeping out unwanted elements such as water, dirt, and debris. A number of fixed operable blades mounted in a frame can provide this functionality. The basic considerations for selecting louvres are Louvre Free Area, air flow and resistance to airflow (Pressure Loss).

Features:

- Made of high quality aluminium
- Water proof blades design
- Wire Vermin mesh provided
- Standard finish: Anodized Aluminium
- Size manufactured on request



Quick Selection Table

Flow rate		Dim	200 x 100	200 x 100	300 x 100	400 x 100	500 x 100	600 x 100	500 x 150	600 x 150	300 x 300	800 x 150	600 x 200	800 x 200	1000x200	1000x300	900 x 400	1000x400			
					200 x 150	200 x 200	350 x 150	400 x 150	400 x 200	450 x 200			500 x 250	600 x 250	800 x 250	750 x 400	700 x 500				
(m³/h)	(l/s)	A _e	0.0051	0.0025	0.0079	0.0108	0.0133	0.0215	0.0272	0.0321	0.0402	0.0473	0.0479	0.0664	0.0609	0.1366	0.1758	0.01433			
50	13.9	V _e	2.7	2.1	1.8	1.3	1.0	0.8													
		P _t	12.0	7.4	5.0	2.7	1.8	1.0													
		NR	25	20	16	9	5	-1													
60	16.7	V _e	3.3	2.6	2.1	1.5	1.3	0.9													
		P _t	17.3	10.7	7.2	3.9	2.5	1.3													
		NR	30	25	21	14	10	3													
70	19.4	V _e	3.8	3.0	2.5	1.8	1.5	1.0													
		P _t	23.5	14.5	9.8	5.3	3.5	1.7													
		NR	34	29	24	18	13	6													
80	22.2	V _e	4.4	3.4	2.8	2.1	1.7	1.2													
		P _t	30.8	18.9	12.8	6.9	4.5	2.2													
		NR	37	32	28	21	17	9													
90	25.0	V _e	4.9	3.8	3.2	2.3	1.9	1.3	0.9												
		P _t	38.9	24.0	16.2	8.7	5.7	2.7	1.4												
		NR	40	36	31	24	20	12	4												
100	27.8	V _e	5.4	4.3	3.5	2.6	2.1	2.1	1.0												
		P _t	48.1	29.6	20.0	10.7	7.1	6.9	1.7												
		NR	43	37	33	27	22	24	7												
160	44.4	V _e		6.8	5.5	4.1	3.3	2.6	1.6	1.4	1.1										
		P _t		75.5	51.3	27.4	18.1	10.8	4.3	3.1	2.0										
		NR		49	45	36	34	29	19	15	10										
200	55.6	V _e			7.0	5.1	4.2	3.2	2.0	1.7	1.4										
		P _t			80.1	42.9	28.3	16.9	6.8	4.9	3.1										
		NR			50	44	39	36	24	21	16										
250	69.4	V _e				6.4	5.2	3.9	2.6	2.2	1.7	1.5	1.4	1.0							
		P _t				67.0	44.2	24.3	10.6	7.6	4.8	3.5	3.4	1.8							
		NR				49	45	39	30	26	21	18	18	11							
300	83.3	V _e					6.3	5.2	3.1	2.6	2.1	1.8	1.7	1.3	1.0						
		P _t					63.5	43.3	15.2	10.9	7.0	5.0	4.9	2.6	1.7						
		NR					49	46	34	31	26	22	22	15	11						
400	111.1	V _e						6.5	4.1	3.5	2.8	2.3	2.3	1.7	1.4	0.8					
		P _t							67.6	27.0	19.4	12.4	8.9	8.7	4.5	3.1	1.1				
		NR							52	41	38	33	30	29	22	18	7				

Symbols:

A_e - Effective area

V_e - Effective velocity in m/s

Pressure (P_t) - All pressures are in Pa (N/m²)

NR - Noise level index in dB based on a room absorption and one diffuser

Quick Selection Table

Flow rate		Dim	200 x 100	200 x 100	300 x 100	400 x 100	500 x 100	600 x 100	500 x 150	600 x 150	300 x 300	800 x 150	600 x 200	800 x 200	1000x200	1000x300	900 x 400	1000x400		
					200 x 150	200 x 200	350 x 150	400 x 150	400 x 200	450 x 200			500 x 250	600 x 250	800 x 250	750 x 400	700 x 500			
(m ³ /h)	(l/s)	A _e	0.0051	0.0025	0.0079	0.0108	0.0133	0.0215	0.0272	0.0321	0.0402	0.0473	0.0479	0.0664	0.0609	0.1366	0.1758	0.01433		
500	138.9	V _e						6.5	5.1	4.3	3.5	29	2.9	2.1	1.7	1.0				
		P _t						67.6	42.2	30.3	19.3	14.0	13.6	7.1	4.8	1.7				
		NR						52	47	43	39	36	36	28	24	13				
600	166.7	V _e							6.1	5.2	4.1	3.5	3.5	2.5	2.1	1.2	0.9			
		P _t							60.8	43.7	27.8	20.1	19.6	10.2	6.9	2.4	1.5			
		NR							51	48	43	40	39	32	28	17	12			
700	194.4	V _e							7.1	6.1	4.8	4.1	4.1	2.9	2.4	1.4	1.1	0.6		
		P _t							82.8	59.4	37.9	27.4	26.7	13.9	9.4	3.3	2.0	0.7		
		NR							55	52	47	43	43	36	32	21	15	4		
800	222.2	V _e								6.9	5.5	4.7	4.6	3.3	2.7	1.6	1.3	0.7		
		P _t								77.6	49.5	36.8	34.9	18.1	12.2	4.3	2.6	0.9		
		NR								56	50	47	46	39	36	24	19	7		
900	250.0	V _e									6.2	5.3	5.2	3.8	3.1	1.8	1.4	0.8		
		P _t									62.7	45.3	44.1	23.0	15.5	5.4	3.3	1.1		
		NR									53	50	49	42	38	27	22	10		
1000	277.8	V _e										6.9	5.9	5.8	4.2	3.4	2.0	1.6	0.9	
		P _t										77.3	55.9	54.5	28.4	19.1	6.7	4.0	1.4	
		NR										56	52	52	45	41	30	24	13	
1600	444.4	V _e														6.7	5.5	3.3	2.5	1.5
		P _t														72.6	48.9	17.2	10.4	3.6
		NR														57	52	41	36	25
2000	566.6	V _e															6.9	4.1	3.2	1.9
		P _t															76.4	26.5	16.2	5.5
		NR															58	47	41	30
3000	833.3	V _e																6.1	4.7	2.8
		P _t																60.4	36.4	12.5
		NR																57	51	40
3600	927.2	V _e																	5.5	3.2
		P _t																	40.5	17.0
		NR																	56	44
4000	1111	V _e																	6.3	3.7
		P _t																	64.7	22.2
		NR																	59	47

Symbols:

A_e - Effective area

V_e - Effective velocity in m/s

Pressure (P_t) - All pressures are in Pa (N/m²);

NR - Noise level index in dB based on a room absorption and one diffuser

Installation Instructions for Weatherproof Louvre:

1. Determine the required dimensions for the cut-out by referring to the dimensions of the galvanised steel box. Opt for a smaller opening to ensure a secure fit for the box.
2. Cut an appropriate opening in the wall using the suitable cutting method based on the material (brick, weatherboard, or sheeting).
3. Install the vent by first inserting the galvanised steel box into the cut-out and then securing the louvre to the wall. Once the louver is level and in the proper position, fasten the louvre frame to clip angles with screws (by others). Caulk around the entire perimeter of the louver using a silicone-based adhesive. Ensure a complete seal around the outside of the plate's face to prevent water penetration
4. **WARNING:** If it is multiple-section louvre installation, structural steel or stiffener angle (by others) is required to support the middle join section, caulk the gap between multiple sections to avoid water penetration.

