

Vision Series® Smoke, Heat & Exhaust Roof Vent

Louvreclad Vision Series® provides reliable natural ventilation and smoke and heat exhaust. It's designed for demanding environments, including cyclone regions, to ensure high performance, reliability, and safety.

Features

PERFORMANCE

Reliable Smoke & Heat Exhaust

Provides 87% free open area with a coefficient of discharge of 0.83. Ensures effective natural ventilation and failsafe smoke and heat exhaust for demanding environments.

AESTHETICS

Low-Profile Design

Constructed from sheet metal, available in colour-coated steel or aluminium with optional powder-coated and Colorbond® finishes. Designed to blend seamlessly with the building's architecture.

DESIGN

Versatile and Robust

Suitable for cyclone regions, featuring spring return actuators and thermal links for fail-safe operation. Available in heights from 570mm to 5938mm, customizable to fit various building requirements.

Specifications

AUSTRALIAN STANDARDS

AS 2428:1983

OPERATION

Fail-safe spring return actuator/ electric actuator / pneumatic motor

MATERIAL

Zincalume®, Colorbond®, Galvabond®, Aluminium

FINISH

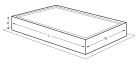
Powder Coat, Anodise, Zincalume®, Colorbond®, Galvabond®

INSTALLATION

Installation and mounting details will be designed in accordance with proprietary systems and recommendations as designed and manufactured by Louvreclad.

Explore the profile options

Vision Series®



Operable roof louvre for smoke and heat exhaust

0.831 CD DISCHARGE COEFFICIENT	0.72 m2 EFFECTIVE AERODYNAMIC AREA	87 % FREE OPEN AREA
220 mm DEPTH	122 mm PITCH	Project-specific mm MAX SPAN

Technical Specifications

Series	Ventilator Width	Ventilator Length	Ventilator Height	Number of Blades	Weight Ventilator	Throat Area	EAA-Effective Aerodynamic Area
	W mm	L mm	H mm		kg	m2	m2
Vision 1012	1000	1180	220	9	30	0.931	0.773
Vision 1018	1000	1790	220	14	40	1.477	1.227
Vision 1024	1000	2400	220	19	51	2.023	1.681
Vision 1030	1000	3010	220	24	61	2.569	2.135
Vision 1112	1100	1180	220	9	32	1.035	0.860
Vision 1118	1100	1790	220	14	42	1.642	1.364
Vision 1124	1100	2400	220	19	53	2.249	1.869
Vision 1130	1100	3010	220	24	64	2.856	2.373
Vision 1212	1200	1180	220	9	33	1.139	0.946
Vision 1218	1200	1790	220	14	45	1.807	1.501
Vision 1224	1200	2400	220	19	56	2.475	2.056
Vision 1230	1200	3010	220	24	67	3.143	2.612
Vision 1312	1300	1180	220	9	35	1.243	1.033
Vision 1318	1300	1790	220	14	47	1.972	1.639
Vision 1324	1300	2400	220	19	58	2.701	2.244
Vision 1330	1300	3010	220	24	70	3.430	2.850
Vision 1412	1400	1180	220	9	37	1.347	1.119
Vision 1418	1400	1790	220	14	49	2.137	1.776
Vision 1424	1400	2400	220	19	61	2.927	2.432
Vision 1430	1400	3010	220	24	73	3.717	3.089
Vision 1512	1500	1180	220	9	38	1.451	1.206
Vision 1518	1500	1790	220	14	51	2.302	1.913
Vision 1524	1500	2400	220	19	63	3.153	2.620
Vision 1530	1500	3010	220	24	76	4.004	3.327

Exhaust capacities (m3 per second)

Temperature difference	Effective stack height	Exhaust capacitities in m3/s											
°C	m	Vision 1012	Vision 1018	Vision 1024	Vision 1030	Vision 1112	Vision 1118	Vision 1124	Vision 1130	Vision 1212	Vision 1218	Vision 1224	Vision 1230
5	6	0.754	1.196	1.638	2.080	0.838	1.330	1.821	2.312	0.922	1.463	2.004	2.548
	12	1.067	1.693	2.319	2.945	1.186	1.882	2.578	3.274	1.306	2.071	2.837	3.603
	18	1.307	2.074	2.840	3.607	1.453	2.305	3.158	4.010	1.599	2.537	3.475	4.413
	24	1.509	2.394	3.279	4.164	1.678	2.662	3.646	4.630	1.846	2.929	4.012	5.096
10	6	1.067	1.693	2.319	2.945	1.186	1.882	2.578	3.274	1.306	2.071	2.837	3.603
	12	1.509	2.394	3.279	4.164	1.678	2.662	3.646	4.630	1.846	2.929	4.012	5.096
	18	1.848	2.933	4.017	5.101	2.055	3.260	4.465	5.670	2.261	3.588	4.914	6.241
	24	2.135	3.387	4.639	5.891	2.373	3.765	5.157	6.549	2.612	4.143	5.675	7.207
15	6	1.307	2.074	2.840	3.607	1.453	2.305	3.158	4.010	1.599	2.537	3.475	4.413
	12	1.848	2.933	4.017	5.101	2.055	3.260	4.465	5.670	2.261	3.588	4.914	6.241
	18	2.264	3.592	4.920	6.248	2.517	3.993	5.469	6.946	2.770	4.394	6.019	7.644
	24	2.614	4.148	5.681	7.214	2.906	4.611	6.315	8.020	3.198	5.074	6.950	8.827
20	6	1.509	2.394	3.279	4.164	1.678	2.662	3.646	4.630	1.846	2.929	4.012	5.096
	12	2.135	3.387	4.639	5.891	2.373	3.765	5.157	6.549	2.612	4.143	5.675	7.207
	18	2.614	4.148	5.681	7.214	2.906	4.611	6.315	8.020	3.198	5.074	6.950	8.827
	24	3.019	4.789	6.559	8.330	3.356	5.324	7.292	9.260	3.693	5.859	8.025	10.192

Temperature difference	Effective stack height	Exhaust capacitities in m3/s											
°C	m	Vision 1312	Vision 1318	Vision 1324	Vision 1330	Vision 1412	Vision 1418	Vision 1424	Vision 1430	Vision 1512	Vision 1518	Vision 1524	Vision 1530
5	6	1.006	1.597	2.187	2.777	1.091	1.730	2.370	3.010	1.172	1.864	2.556	3.246
	12	1.425	2.260	3.096	3.932	1.544	2.450	3.355	4.261	1.664	2.639	3.614	4.590
	18	1.745	2.769	3.792	4.816	1.891	3.000	4.110	5.219	2.038	3.232	4.427	5.623
	24	2.015	3.197	4.378	5.560	2.184	3.464	4.745	6.025	2.353	3.732	5.111	6.492
10	6	1.425	2.260	3.096	3.932	1.544	2.450	3.355	4.261	1.664	2.639	3.614	4.590
	12	2.015	3.197	4.378	5.560	2.184	3.464	4.745	6.025	2.353	3.732	5.111	6.492
	18	2.468	3.915	5.363	6.810	2.674	4.243	5.811	7.380	2.882	4.571	6.259	7.951
	24	2.850	4.522	6.193	7.865	3.089	4.900	6.711	8.523	3.328	5.278	7.229	9.181
15	6	1.745	2.769	3.792	4.816	1.891	3.000	4.110	5.219	2.038	3.232	4.595	5.623
	12	2.468	3.915	5.363	6.810	2.674	4.243	5.811	7.380	2.882	4.571	6.259	7.951
	18	3.023	4.796	6.569	8.341	3.276	5.197	7.118	9.039	3.529	5.598	7.667	9.783
	24	3.490	5.538	7.585	9.632	3.782	6.001	8.219	10.438	4.076	6.464	8.853	11.244
20	6	2.015	3.197	4.378	5.560	2.184	3.464	4.745	6.025	2.353	3.732	5.111	6.492
	12	2.850	4.522	6.193	7.865	3.089	4.900	6.711	8.523	3.328	5.278	7.229	9.181
	18	3.490	5.538	7.585	9.632	3.782	6.001	8.219	10.438	4.076	6.464	8.853	11.244
	24	4.030	6.394	8.758	11.122	4.368	6.929	9.491	12.052	4.706	7.464	10.223	12.983

Technical Data Disclaimer

- Indicative maximum span provided are based on generic permissible design wind pressure of 2kPa.
- Span values and product technical information provided are subjected to variance by project specific requirements & influence factors such building location, terrain category & local pressure effects.
- Span values provided are based on typical scenario where product specified are fixed at one end; simply supported at the other end and in either horizontal or vertical orientation.
- If the product specified is required to function as barrier for fall protection or as trafficable element, maximum span and pitch nominated may be reduced.
- Spans values provided could be influenced and reduced when used in dynamically sensitive wind environment.
- For project specific product selection or preliminary design & engineering consultation, please contact 1300 165 678 or sales@louvreclad.com to arrange or book a meeting.



Inspire with Quality

As leaders in the building envelope market, we are known for exceptional quality and lasting value. Our credibility, wealth of knowledge, and unmatched competence enable us to inspire exterior solutions that look good and perform better.



The MadeRight Guarantee

Following our proven process enables us to develop solutions we're proud to put our mark of quality to. We guarantee that all projects will be delivered in a timely manner, be on specification, engineered to Australian standards and finished to the highest quality.



Made to Perform

Louvreclad solutions are made to last and manufactured on-site using high-quality Australian aluminium and steel. As an organisation we are driven to get a thousand things right everyday to achieve our vision to be the face of Australian Building.
Our facades are not here to be average, they are here to perform – and so are we.

Speak to an expert

Reach out today to discuss your facade solution requirements; we would love to hear from you.