

Vision Series®



VENTILATORS

Louvreclad's Vision Series® is an operable roof louvre that also has a very high discharge co-efficient. This ensures an extremely effective exhaust where both fire and natural draft ventilation are required.

Distinctive Features

- Sheet metal construction
- Fully operable with a choice of electric or pneumatic actuators
- Thermal links ensure fail-safe-open in case of fire
- Internal gutters to control rainwater
- Weather-tight when closed
- Rooftop testing is optional for inspection and servicing

Diverse Applications

- Its low-profile makes it suitable for installation across a wide expanse of roof
- Ideal for inclusion in the building's fire engineering solution when automated via a Louvreclad control panel and/or with Fire Indicator Panel (FIP)
- Can be manufactured for cyclonic regions

Multitude of Benefits

- Minimal impact on a building's wind loading
- Allows an abundance of natural daylight when open to enhance the ambience in large areas [eg, warehouses, factories, and public dining areas]
- Minimises heat loss and provides total waterproofing when vents are closed
- Optional sensors activate the vents' closure to ensure automatic defence against wind and rain

Attention to Detail

- Co-efficient of discharge = 0.831
- Designed and manufactured to comply with AS 2427-1983:
 - *Rain leakage wind velocity*
 - *Maximum wind velocity for operation*
 - *Structural adequacy*
 - *Corrosion resistance*
 - *Operation under snow loading*
- Tested and certified to satisfy AS 2428-1983:
 - AS 2428.1 – *Determination of resistance to leakage during rain*
 - AS 2428.2 – *Determination of ability to operate under wind loading*
 - S 2428.3 – *Determination of operating characteristics*
 - AS 2428.4 – *Determination of the effect of flame contact*
 - AS 2428.5 – *Determination of discharge co-efficient and effective aerodynamic area*
- Vision can be sized and spaced to satisfy the requirements of AS 2665-1983 – *Smoke/heat venting systems*



Thinking outside for inside performance

DRAFT SPECIFICATION

Roof Louvre Ventilators will be Louvreclad Vision Series® with [width x length] with a coefficient of discharge of no less than 0.831, designed and manufactured to comply with AS 2427-1983, and tested and certified to satisfy AS 2428-1983.

Base Material & Finish

Ventilators will be manufactured in [select base material] finish in [select colour]

Accessories

[Nominate options/accessories from the selection].

Installation and Mounting

Installation and mounting details will be designed in accordance with proprietary systems and recommendations as designed and manufactured by Louvreclad Pty. Ltd. Phone: 1300 165 678 Email: sales@louvreclad.com

Base Material Options

- Zinalume®
- Colorbond®
- Galvabond®
- Aluminium

Finishes Available

Choose from the following range of finishes:

- complete Colorbond® range of colours and types

Accessories

Bird/Vermin Mesh

Select from the following:

- galvanised
- stainless steel
- PVC

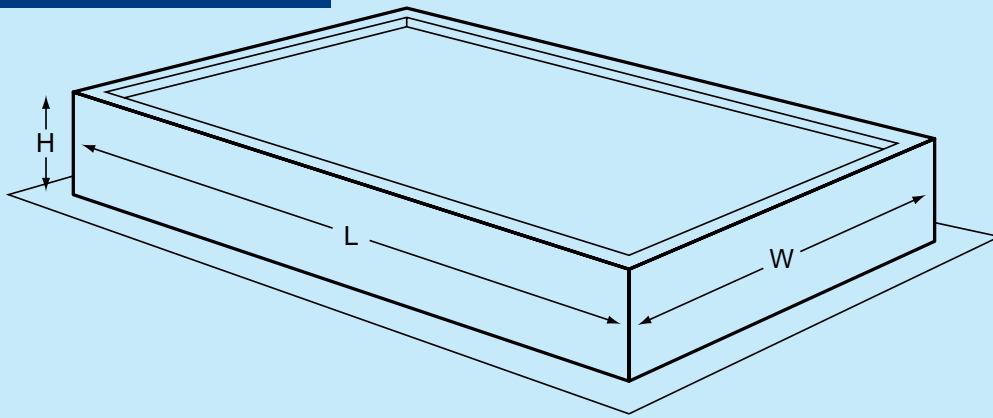
Operating Options

- Electric actuator
- Pneumatic cylinder



**AN OPERABLE ROOF LOUVRE
WITH A VERY HIGH DISCHARGE
CO-EFFICIENT**

PROFILE



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	m ²	m ²
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

Blade pitch is 122 mm.

Exhaust capacities [m³ per second]

Temperature difference	Effective stack height	Exhaust capacities in m ³ /s											
		Vision 1012	Vision 1018	Vision 1024	Vision 1030	Vision 1112	Vision 1118	Vision 1124	Vision 1130	Vision 1212	Vision 1218	Vision 1224	Vision 1230
°C	m												
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 capacities in m ³ /s											
		Vision 1312	Vision 1318	Vision 1324	Vision 1330	Vision 1412	Vision 1418	Vision 1424	Vision 1430	Vision 1512	Vision 1518	Vision 1524	Vision 1530
°C	m												
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



i WOULD YOU LIKE TO KNOW MORE?

If you have any questions about this product, or if you would like to speak to a member of our expert team about how we can tailor a solution for you, call: **1300 165 678** or visit: **louvrecad.com**