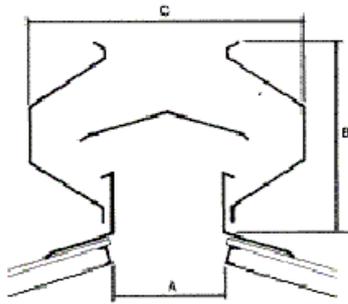




Streamline Guided Flow ridge ventilator

Coefficient of Discharge: 0.36
Throat Size: 150 mm to 500 mm

Exhaust Guide



Typical Cross Section

The Robertson Streamline Guided Flow Ventilator provides a highly efficient system of natural ventilation for use on industrial warehouses, workshops, materials handling facilities etc. To obtain maximum effect from this ventilator, the exhaust opening should be located horizontally at the highest point of the building.

Design Features

- Coefficient of Discharge: As determined by independent tests is a minimum of 0.36
- Unobtrusive: Designed to meet architectural requirements of low silhouette and modern design and provide minimum resistance to wind forces.
- Weathertight: Tested and proven in extreme conditions to exclude wind and driving rain and may be fitted with additional monsoon rain baffles to give added protection under monsoon rainfall conditions.
- Ease of installation: Rapidly installed into all forms of roofing with no additional framework required and no complex flashings.
- Can be supplied in a wide range of cladding materials including Versacor coated sheeting.

Exhaust Capacity table

(cubic metres per second per metre run)

Temp. Diff. x Eff. Ht. (ΔT degC x metres)	CLEAR OPENING (mm)				
	150	250	300	500	600
30	0.243	0.404	0.485	0.809	0.971
40	0.249	0.416	0.499	0.831	0.998
50	0.255	0.426	0.511	0.852	1.022
60	0.261	0.435	0.522	0.870	1.044
70	0.266	0.443	0.532	0.886	1.063
80	0.271	0.451	0.541	0.902	1.082
90	0.275	0.458	0.550	0.916	1.100
100	0.279	0.465	0.558	0.930	1.116
110	0.283	0.472	0.566	0.943	1.132
120	0.287	0.478	0.573	0.956	1.147
130	0.290	0.484	0.581	0.968	1.161
140	0.294	0.490	0.587	0.979	1.175
150	0.297	0.495	0.594	0.990	1.188
160	0.300	0.501	0.601	1.001	1.201
180	0.306	0.511	0.613	1.022	1.226
200	0.312	0.521	0.625	1.041	1.249
250	0.326	0.543	0.651	1.086	1.303
300	0.338	0.563	0.676	1.126	1.351
350	0.349	0.582	0.698	1.163	1.396
400	0.359	0.599	0.719	1.198	1.438
450	0.369	0.615	0.738	1.231	1.477
500	0.378	0.631	0.757	1.261	1.514
550	0.387	0.645	0.774	1.291	1.549
600	0.396	0.659	0.791	1.319	1.582
650	0.404	0.673	0.807	1.345	1.614

NOTE: The above exhaust capacities are based upon a wind speed of 8km/h.



Dimensions and Mass:

Dimensions (mm)			Approximate Mass 3000 mm run (kg)		Approximate Mass Pair of ends (kg)	
A	B	C	Versacor	Zincalume	Versacor	Zincalume
150	328	432	35	32	4	3
250	410	562	42	38	6	5
300	496	710	50	44	7	6
500	781	1290	97	87	16	14

NOTE: Maximum continuous damper operating length via single operator on all above sizes = 6.0 mm