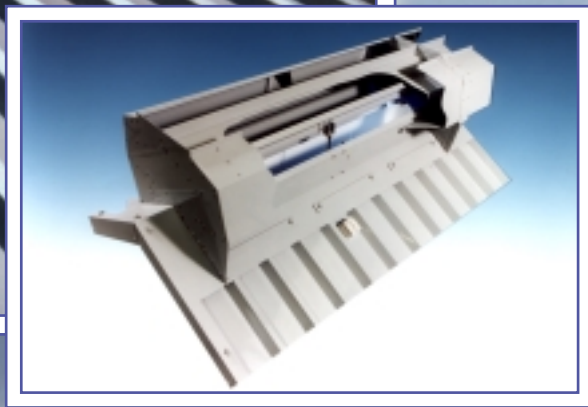




C1/SfB (57·8) Xh2
Leaflet No. M/K-3

McKenzie Martin Ltd

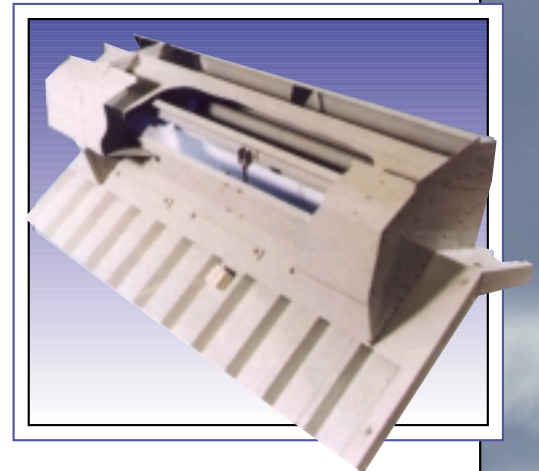


NATURAL Ventilation

Mackridge



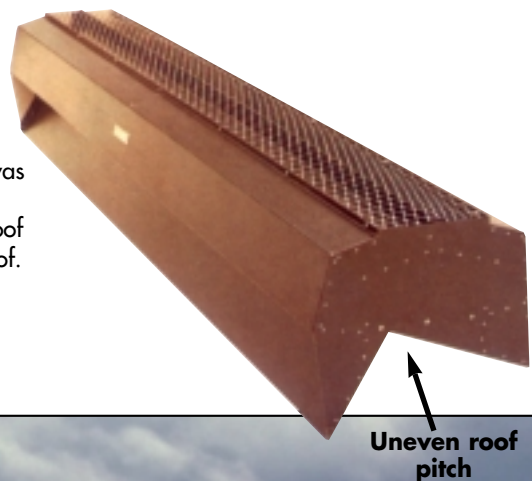
In any natural Ventilation scheme involving conventional industrial buildings the optimum position, under normal circumstances, is to provide a system of air extraction through the highest point of a building - the roof apex. The Mackridge is a natural Ventilator designed specifically for mounting along the ridgeline of a building. It can be manufactured in single unit or continuous form, to suit any pitch of roof and can be fixed to any type of sheeted or decked roof. The relative position of the Ventilator along the roof apex maintains the longitudinal symmetry of the building appearance, unlike many other types of natural ventilators. The Ventilators are offered in a range of materials and colours to colour match or contrast with the roof claddings. Each Ventilator is custom made to suit individual



requirements with a variety of functional and control options.

Product Flexibility

McKenzie Martin custom build each ventilator unit to suit the particular building structure, dimensions and characteristics. The unit illustrated was manufactured for mounting onto the apex of a roof having an unequal roof pitch, in this instance a northlight roof. Please consult our sales staff if your requirements fall within this category.



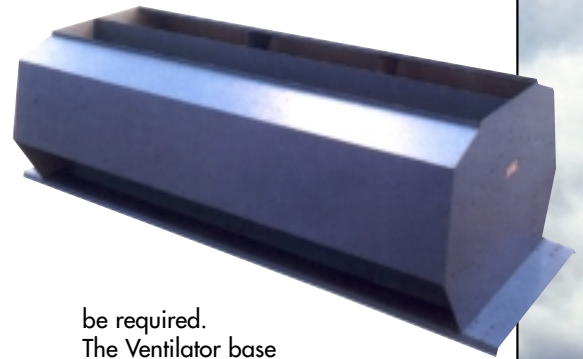
Kenstack



The Kenstack is a Natural Ventilator suitable for mounting onto any type of roof sheeting and decking or into glazing in either a sloping or flat horizontal position.

With similar functional performance to the Mackridge Ventilator they are particularly suited for installation onto buildings having an unequal roof pitch, for example a North light constructed roof.

Each unit can be custom made to suit existing purlin or glazing centres with the minimum of disturbance since no additional supporting framework would

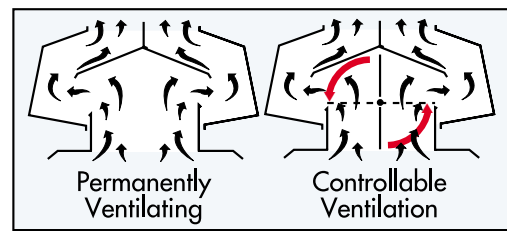


be required.
The Ventilator base flange can be formed to suit any type of profiled roof sheeting. Each Ventilator is offered with a variety of functional and control options.

General Information

Functional Options

1. Permanently Venting.
2. Controllable ventilation - by means of operable internal damper.
3. In the event of a fire the Damper can be fitted with a fusible link and spring loaded to open or close as required.



Options

1. Extension plates to ventilator base end flanges.
2. Internal closure flashing to close off the cavity where a roof has an overpurlin lining.
3. Bird Guards - 1.2mm Expanded metal Aluminium Alloy. Diamond mesh size: 12.35mm x 35.05mm.
4. Security guards - 5.8mm square Stainless Steel mesh 1.6mm thick.
5. Fusible Link Shields - for use in sprinklered buildings.

Materials/Finish

British Steel plastic coated galvanised steel. Colorcoat HP200 Plastisol available in a full range of colours. Mill finish or coloured Aluminium Alloy to BS1470 3103 H14 (NS3 H4) and Galvanised Steel in Stoved Acrylic, Chlorinated rubber, PVF2, Polyester Powder coatings, alloyed amino and anodised finishes.

Alternative materials available are: Planja, British Alcan, Dobel, Hoesch, Korrugal, Gavle, Zintecsteel.

Control Options

Manual

- Nylon covered wire cable to:
 - a) Clam Cleat/Clutch Control - variable setting.
 - b) Winch - variable setting.
 - c) Friction loaded - variable setting.

Pneumatic

For day to day ventilation incorporating Firemans override if required. Additional options include connection to smoke detection systems, thermostats, time switches etc.

Fusible Links

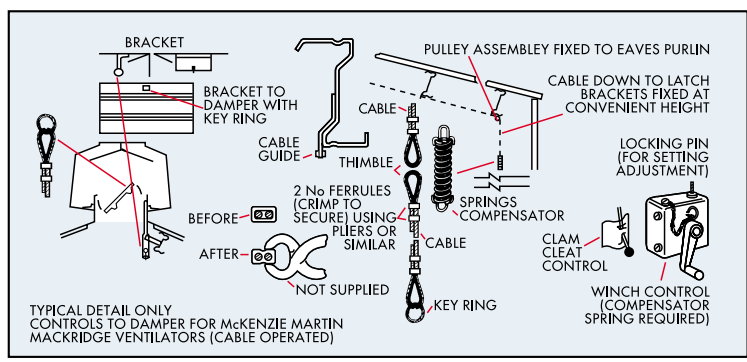
These can be fitted in conjunction with any of the above control options to provide overriding release. Alternative temperature rated links are available.

Electro-Magnets

These retain the damper in the closed position until de-energised by remote signal. Units fitted with electro-magnets require manual re-setting.

24V Electric - Actuator or Motor

To open and close internal damper.



Maintenance

Where units are damper controlled we advise periodic testing to maintain correct functioning.

Fixing

Fully detailed fixing instructions supplied with units.

Ventilation Schemes

Recommendations on complete schemes prepared and submitted on request.

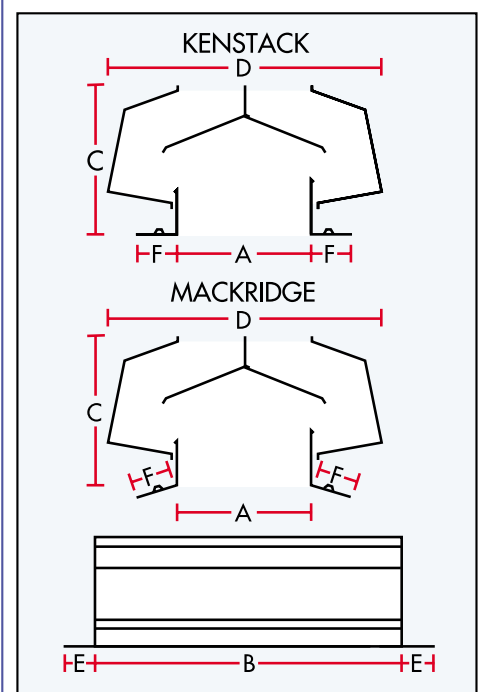
Product Dimensions

In practice, all units are made to measure to suit the particular mounting detail required. However, to assist specifiers and design engineers we illustrate below some of the more popular sizes.

MACKRIDGE / KENSTACK

Throat Width A	Lengths B	Dimensions			Flanges Side/End E&F	Approx. Weights	
		Overall Height C	Overall Width D	Alum inium		Plastisol	
152mm		178mm	305mm	TO SUIT MOUNTING DETAIL	18Kgs	28Kgs	
203mm		279mm	406mm		22Kgs	35Kgs	
254mm		330mm	508mm		25Kgs	41Kgs	
305mm	From	381mm	610mm		30Kgs	48Kgs	
381mm	1.220m	457mm	762mm		35Kgs	56Kgs	
457mm	to	533mm	914mm		42Kgs	68Kgs	
508mm	3.00m	610mm	1.016mm		50Kgs	80Kgs	
610mm		686mm	1.219mm		55Kgs	88Kgs	
762mm		889mm	1.524mm		65Kgs	104Kgs	
914mm		1.143mm	1.829mm		70Kgs	N.A.	

Whilst the above sized units cater for most standard requirements - non standard units can be tailor-made to suit special requirements.



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Due to a company policy of continuous improvement, alterations in the specifications may be made at anytime without notice. The company accepts no responsibility for any discrepancies which may occur between the specification of its equipment and the descriptions contained in its publications.