



Features and Benefits

- Self-contained unit with integral fans.
- Up to 70% heat recovery.
- Compatible with 315, 250 and 200mm Ø, ducting and accessories.
- External wall mounting.

Model	Stock Ref:
HR4	37 04 50

The HR4 is a self-contained unit with integral extract and supply fans to provide balanced ventilation and heat recovery via supply diffusers and extraction grilles. The unit is fully speed controllable.

The compact heat recovery cube interleaves outgoing warm air with incoming fresh air and allows the heat from one to warm the other without the two streams mixing. Energy is saved on room heating with no power being used by the cube itself.

Performance of HR4: Supply and extract up to 625m³/h FID capacity on heat recovery mode. Ideal for offices, computer rooms, pubs and clubs, etc.

Typical Specification

Supply and install a HR4 semi remote ducted heat recovery unit as manufactured by Vent Axia Clean Air Systems, Fleming Way, Crawley, West Sussex, RH10 9YX, Telephone 01293 441520.

Performance:	m ³ /h	l/s
Max ventilation rate	625.0	173.61

Efficiency: the unit should retain up to 70% of the temperature differential of out going air.

Heat exchanger: should be of a multi plate cross-flow type constructed out of a polymeric plastic with ultra sonic welded joints.

Motor: should be a 240V 50Hz A/C with sleeve bearings, greased for life. It shall operate up to an ambient temperature of 40°C and be fitted with a manual reset thermal overload protective device. The supply motor shall be configured to be reversible thus providing an extract only option.

Fan: The 2-N° metal fan impellers should be of the axial flow type.

Controls: Refer to page 81 for details.

Ducting spigots: The unit should provide 315, 250 and 200mm Ø spigots for both duct connections. The unit cannot be handed.

Filter: should be a washable reticulated foam type coarse filter.

Construction: the unit outer case should be a rigid HIPS moulding configured so as to make the unit telescopic. The external grille and the spigot plate should be a cream coloured ABS moulding.

Sound Levels: Report upon request.

Mains electrical supply: 230VAC 50Hz.

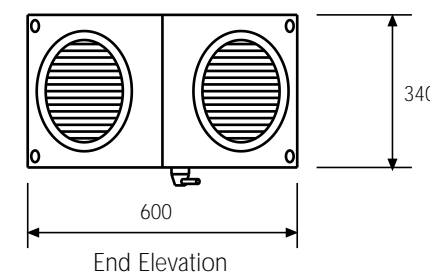
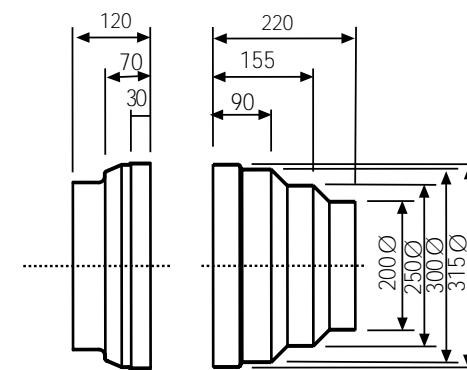
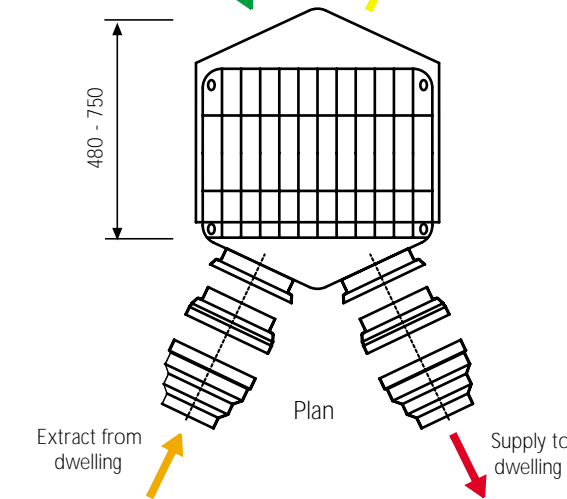
Complies to the following approvals/ directives:

LVD, EMC, CE

Dimensions (mm)

Weight: 19kg

From atmosphere (green arrow) To atmosphere (yellow arrow)



Installation

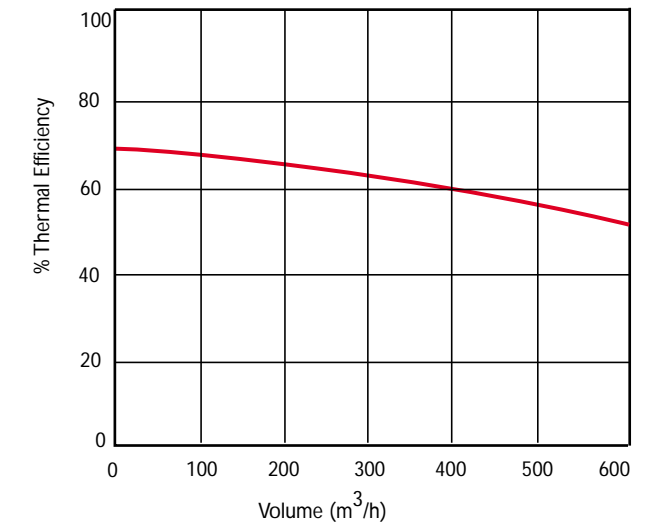
HR4 is designed for installation in external walls and should be fitted to provide a 3° slope to outside to provide condensate drainage. Spigots are provided for 315, 250 and 200mm Ø ducting accessories to internal extract and supply grilles.

Power Consumption

Supply Fan	60.00W
Extract Fan	150.00W

Performance

Heat Exchanger Efficiency



Airflow performance m ³ /h (max)	Watts (max)	dB(A) @ 3m (max)	Flush Box Stock Ref. No.
625	210	53	40 01 44

Controllers & Sensors

Controller Options

150VA Transformer	Ambient Response Humidistat	Visionex PIR	7 Day Timeswitch	Auto Transformer
56 35 38A	56 35 50	45 96 23	56 35 15	103 14 103

For further details on controls & sensors please refer to pages 98-102. For accessories details, please refer to pages 103-105.

For wiring diagrams details please refer to page 135.