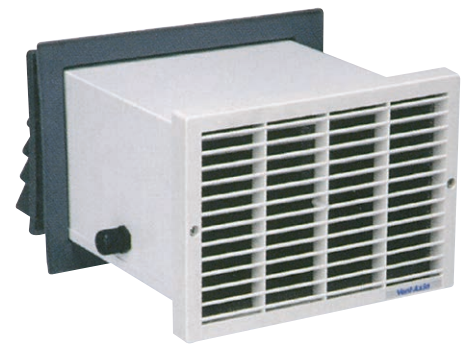


HR30W & HR 100W Heat Recovery Units

- The unit is designed for continuous operation providing up to 70% heat recovery, effectively controlling internal relative humidity. The integral high efficiency pollen filter helps eradicate house dust mites to improve health and indoor air quality. Fresh pre-warmed air from the outside is continuously provided to the room with simultaneous extraction of stale, moist air.
 - An integral heat exchanger transfers heat from the outgoing stale air to the fresh air supply raising the temperature of the fresh air and most importantly reducing the relative humidity of the supply air.
 - This provides control of condensation and odours and creates conditions which can eliminate house dust mites.
 - **Efficiency:** the unit should retain up to **70%** of the temperature differential of outgoing 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 2speed 240V 50/60Hz A/C with sleeve bearings, greased for life. It shall operate up to an ambient temperature of 40°C and be fitted with a one shot thermal overload protective device.
 - **Fan:** The two polymeric fan impellers should be a centrifugal forward curved type, dynamically balanced mounted on a common shaft.
 - **Controls:** The unit should be operated via a remote Trickle Boost Switch or via various automatic sensors. A light switch can be used providing a 'timed out' device is employed. Filter: should be a reticulated foam type coarse filter on the extract air and a EU2 pollen filter on the supply air.
- Condensation:** The outlet should be via drain holes in the lower part of the external grille.
- Construction:** The unit outer case is manufactured from white powder coated sheet metal with a white ABS internal grille and a grey UV stabilised PVC outer grille. Mains electrical supply: 230VAC 50Hz.
Complies to the following approvals/directives: LVD, EMC and CE.



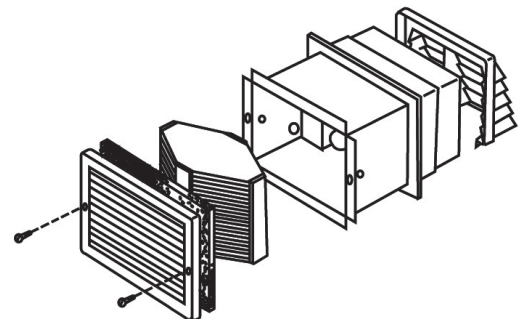
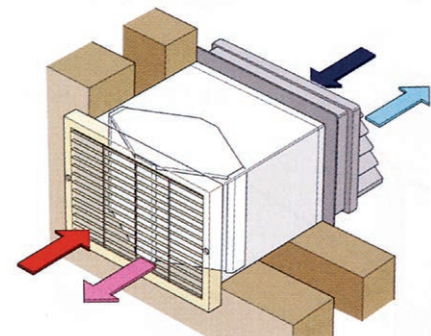
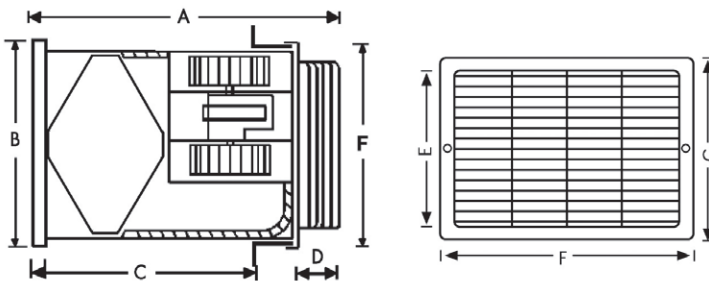
Vent-Axia

HR 30W & HR 100W Series

Type	Air flow Inlet (m³/h)		Air flow Outlet (m³/h)		W		Noise Level dB (A)		Price
	max	min	max	min	max	min	max	min	
HR 30W	50	35	40	30	23	10	28	28	€ 545,00
HR 100W	77	43	69	38	31	12	30	20	€ 513,00

HR 30W & HR 100W Series Dimensions

Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Weight (Kg)
HR 30W	370	270	220-280	68	155	235	190	4,85
HR 100W	370	270	220-280	68	155	235	190	4,85



- HR30W: Two speed performance: Low 35m³/h and High 50m³/h. Specifically designed for installation in the bedroom.
- HR100WH: has a two speed motor which provides for constant low rate ventilation automatically switching to boost speed on rising humidity level of approximately **70%** relative humidity at **20°C**. This level can easily be adjusted by removing the front cover and heat exchanger to reveal the adjustment spindle.

Accessories



AK 20 Speed controller



Time switch



Air Quality Sensor



Ambient Response Humidity Sensor