

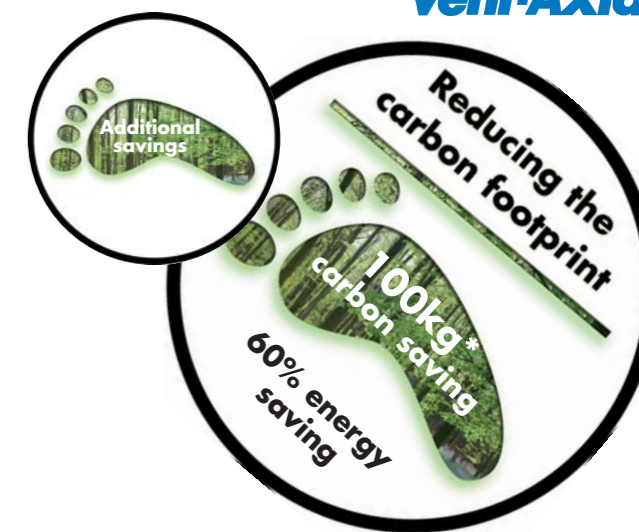
# Vent-Axia LoWatt® HR204

Wholehouse heat recovery system



## Features and Benefits

- Reduces your carbon footprint
- SAP Appendix Q Approved
- Controls condensation and odours
- Up to 70% heat recovery
- Eliminates mould growth
- Prevents noise ingress
- Reduces maintenance costs



## Ventilation Lo-Carbon Energy saving solutions

- allowing you to help the environment

Using the Vent-Axia LoWatt range can reduce electrical consumption, thus reducing the overall carbon footprint.



When using heat recovery ventilation, the heating system requirement is reduced thus potentially saving another 500kg of carbon per annum.

This unit is a residential mechanical ventilation unit with high efficiency heat recovery that provides continuous extraction of stale air from the dwelling typically from the bathroom and kitchen. As the unit is a compact design it can be easily located in a kitchen cupboard, airing cupboard etc. where space is at a premium. The LoWatt HR204 prevents noise ingress and eliminates mould growth.

The Vent-Axia LoWatt HR204 meets the latest requirements of the Building Regulations Document F 2006 for wholehouse system ventilation.

Performance of LoWatt HR204: Up to 185m<sup>3</sup>/h FID capacity (balanced airflow). Designed for use in apartments, flats and smaller dwellings and in particular those inner-city sites where noise ingress is a problem.

Stock Ref. No. 43 62 17

## Specification

Maximum ventilation rate 185 m<sup>3</sup>/h 51.39 l/s  
N° speed settings 6

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

**Heat exchanger:** A multi plate cross-flow type constructed out of a polymeric plastic with silicone sealed joints.

**Motor:** Incorporates a brushless LoWatt Energy Saving DC motor with ball race bearings, greased for life which operates up to an ambient temperature of 40°C and has software fault detection.

**Controls:** The unit can be switched from normal to boost speed by a variety of controls with uncommitted relays or switches, such as Vent-Axia's CMSM controller, humidistats, pullcord switch or trickle/boost switches.

**Ducting spigots:** The unit provides 100mmØ x 40mm long spigots for all duct connections. (Can be converted to flat ducting)

**Filter:** EU2 washable and reusable.

**Condensate Drain:** The product is provided with a choice of 3 outlets positions for 15mmØ condensate pipe; rear, bottom and left.

**Construction:** The unit outer case is constructed of white powder coated sheet steel with PP spigot connections. All internal sheet metal to be galvanised or stainless steel.

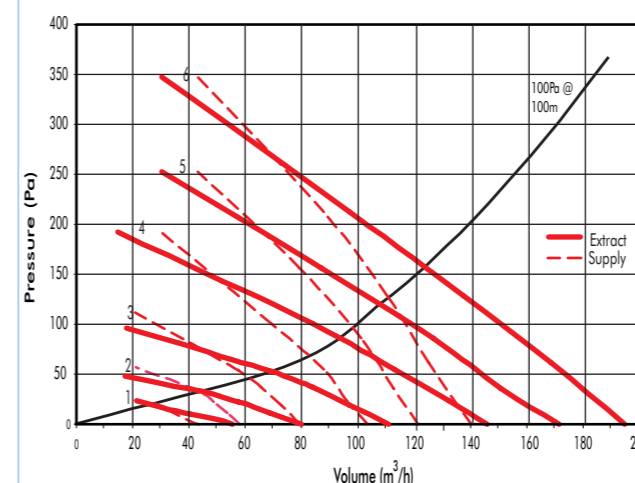
**Sound Levels:** dB(A) @ 3m - Minimum: 29.0 Maximum: 55.0

## Installation

The unit is designed for fitting in confined spaces. The LoWatt HR204 requires a flat vertical area 692mm high x 562mm wide for installation. The exhaust duct must pass through an outside wall or roof and discharge to atmosphere in a suitable position. The clean air inlet duct must pass through an outside wall or roof and be suitably positioned to provide an adequate fresh air supply from atmosphere.

## Performance

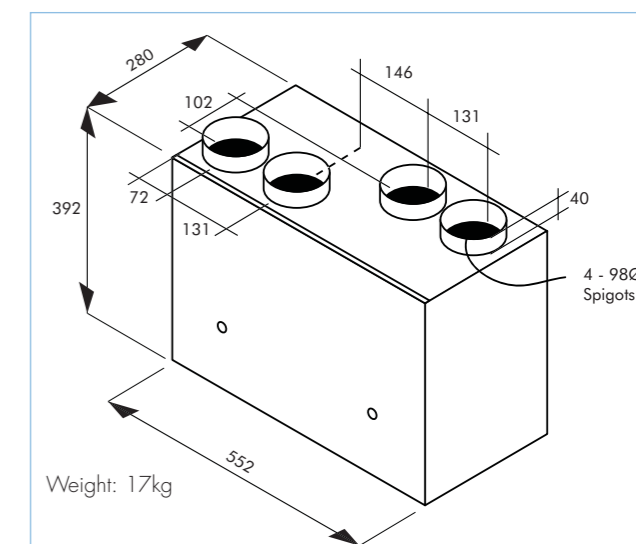
The MVHR unit has five normal fan speed settings and three boost settings. The performance curve chart gives the ventilation rates at each fan speed setting compared to the pressure drop of the system.



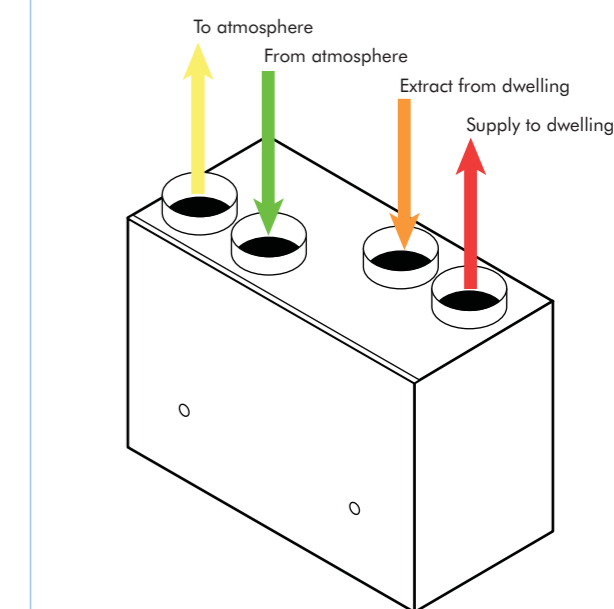
## Power Consumption

Speed 1	9W
Speed 2	13W
Speed 3	21W
Speed 4	35W
Speed 5	50W
Speed 6	70W

## Dimensions (mm)



Weight: 17kg



Motor Speed	1	2	3	4	5	6
Volume m <sup>3</sup> /h (FID)	55	80	110	145	170	195

\* Savings are based on an annual usage of 24 hours per day

