

Xpelair LoVolt XHR150

Single room heat recovery ventilator



Carbonlite

Key features

Type:	Mechanical ventilation with heat recovery
Application:	Single room
Control options:	Pullcord/Humidistat
Legislation:	Building Regulations Part F1
Hole diameter:	150mm



The Range

In existing buildings, single room heat recovery ventilators can be quicker and less disruptive to fit than ducted wholehouse heat recovery systems.

Xpelair **LoVolt XHR 150** units can be installed quickly using a standard core drill.

Suitable for domestic applications in bathrooms, utility rooms, bedrooms and living rooms. Also suitable for commercial applications such as hotels, offices and meeting rooms.

Xpelair **LoVolt XHR150** is the energy efficient alternative to extract ventilation. It is an effective remedy for damp problems associated with household condensation.

The two speed unit removes moist air from the room, which then passes through a heat recovery cell, giving up its heat to the incoming air flow. As it is warmed, the RH reduces dramatically, providing a flow of dry air which in turn acts as a 'sponge' to soak up further moisture in the room. Intake is fixed at less than the extract rate to ensure a slight negative pressure on the room, so that moist air does not migrate to the rest of the dwelling.

XHR150 is more energy efficient than normal fans both in terms of heating and fan running costs. It also complies with current Building Regulations.

Select the right product for your application

		XHR150PC	XHR150HP
Reference number		90821AA	90820AA
Integral pullcord		■	■
Automatic control from remote humidistat			■
Maximum efficiency (%)		80	80
Speeds		2	2
Extract performance (m ³ /h)	boost	31	31
	trickle	12	12
Extract Performance (l/s)	boost	9	9
	trickle	3	3
Sound pressure level (dB(A)@3m)	boost	41	41
	trickle	21	21
Power (W)	boost	46	46
	trickle	9	9
Hole diameter (mm)		152	152
Wall thickness range (mm)		229-356	229-356
Guarantee (years, UK)		3	3

Models

LoVolt XHR150 range

Effective solution for condensation problems in individual rooms

- Suitable for solid and cavity walls 229-356mm thick
- Easy installation - a 152mm hole can be drilled in minutes using a core cutter, the unit is then simply slid into place and fixed into position
- On trickle mode, the unit is whisper quiet. At boost speed it is a mere 41dB(A)
- The tamper proof design ensures it works constantly against the effects of condensation
- At the heart of the unit is an efficient aluminium heat recovery cell combined with LoVolt motor assembly for complete safety, especially in the splash zones of bathrooms and showers
- A separate 12V SELV transformer is supplied with the unit. This is installed outside of splash zones 1 and 2
- At most times the unit will 'idle' at trickle speed

LoVolt XHR150PC

Ref. 90821AA

- Two speed trickle and pullcord boost operation
- SELV safety LoVolt motor operation with separate SELV transformer
- Tubular construction with integral air intake/outlet and wall bezel
- Aluminium heat exchange cell
- Fascia with built in filters

LoVolt XHR150HP

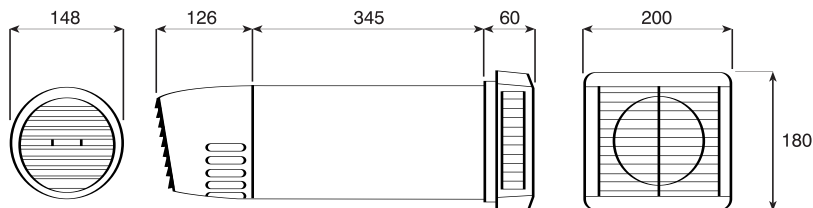
Ref. 90820AA

- Built in pullcord override switch for On / Off operation
- SELV safety LoVolt motor operation with separate SELV transformer
- Tubular construction with integral air intake/outlet and wall bezel
- Aluminium heat exchange cell
- Fascia with built in filters
- Remote adjustable set point type humidity sensor automatically switches to boost when a higher %RH is detected from showering etc...
- Integral light sensor to prevent misuse operation at night

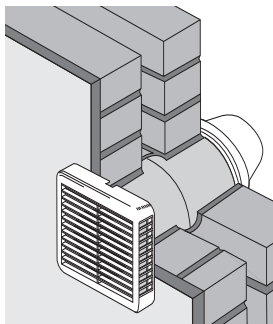
Typical Specifications on page 169.
Wiring Diagrams on page 185.

Dimensions (mm)

XHR Range



Installation and Accessories



The **XHR150** range comes complete with a universal mounting kit for installing through the wall.

Wall Mounting

Hole diameter: 152mm