

### Heat Recovery Units – Single Room



The heat recovery units for single rooms have been specifically designed to eliminate excessive moisture and so helping to prevent condensation with the inherent risks to property and health whilst retaining up to 80% of heat contained within the outgoing air.

The range is available in 230v or 12v models depending upon installation criteria. All models run continuously on trickle speed and have various options to change to fast speed - see model table below. Mounting Kits Available in Brown, White, Terracotta and Stone

- ✿ Wall, Window or Ceiling mounted
- ✿ Integral Humidity Sensors
- ✿ Energy saving manual Pullcord override
- ✿ 2 year no quibble guarantee
- ✿ Recovers up to 80% of heat that would otherwise be lost
- ✿ Simple Installation
- ✿ **CE**

All units are manufactured to have balanced airflow so as not to interfere with conventional gas boilers / heating systems where negative air pressure within a problem may cause a problem.

#### Technical Data

##### 230V models

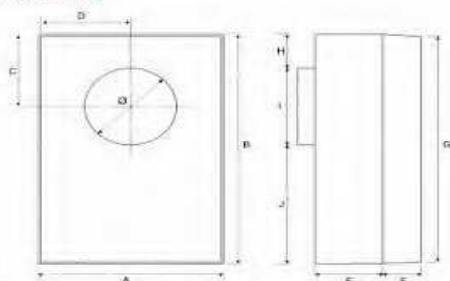
Catalogue No.	Type
HR 100	2-speed, selectable upon installation
HR 100 S	2-speed, pull switch boost
HR 100 HS	2-speed, humidity sensor and pull switch boost

##### Low Voltage 12v models

Catalogue No.	Type
HR 100 LV S	low voltage 2-speed, boost by remote switch (not supplied).
HR 100 LV T	low voltage 2-speed, pull switch boost
HR 100 LV HTS	low voltage 2-speed, humidity sensor / timer or pull switch boost

<b>Construction</b>	These units are made of strong and durable self-extinguishing plastic for strength, durability and finish.
<b>Electrical</b>	220-230V ~ A.C. 50Hz Single phase consuming 15 - 40 watts. These units do not require an earth. All wiring must comply with current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted
<b>Installation</b>	<ul style="list-style-type: none"> <li>✿ Both 230v and 12v ranges are designed to be wall, window or ceiling mounted. Kits available on request.</li> <li>✿ Installation through a wall or ceiling requires a 117mm hole, through a window a 126mm hole.</li> <li>✿ Do not install above a heat source e.g. cooker, radiator.</li> <li>✿ It is recommended to change the internal filter on a yearly basis.</li> </ul>
<b>Additional Data</b>	<ul style="list-style-type: none"> <li>✿ Maximum Pressure: 30Pa low speed, 80Pa high speed</li> <li>✿ Power Consumption: 15 – 40W</li> <li>✿ Sound Volume: 15dBa low speed, 35dBa high speed</li> <li>✿ Maximum Operating Temperature: 55 degrees C</li> <li>✿ Protection rating: IPx4</li> <li>✿ Running Costs: typ less than £1.00 per month (based on slow speed running 24 hours per day)</li> </ul>

### Dimensions



Position of outlet as viewed from front of fan

Side

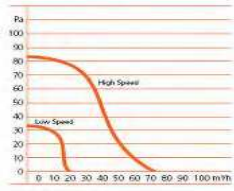
A	B	C	D	O	
205	305	90	102.5	100	
E	F	G	H	I	J
75	45	295	40	105	163

### Technical Data

Material	Fan	White ABS plastic
	Filter	White washable fibre
Extract Volumes	High	72m <sup>3</sup> /h (20 l/s)
	Low	22m <sup>3</sup> /h (6 l/s)
	SELV	70m <sup>3</sup> /h (19 l/s)
Intake Volumes	High	27m <sup>3</sup> /h (8 l/s)
	Low	9.5m <sup>3</sup> /h (3 l/s)
	SELV	25m <sup>3</sup> /h (7 l/s)
I.P. Rating		IP24/IP21
Weight		1.8 kg
Electrical Consumption	15-40W	
Electrical Supply	230V AC-50HZ / SELV 12V-42VA	
Safety	Thermal cut-out protection on motor	
Ducting	100mm diameter PVC rigid ducting	
DBA@3mts	High Speed	35
	Low Speed	15
Window hole size	120mm Ø	
Wall hole size	115mm Ø	
Ceiling hole size	115mm Ø	

\*\* see note above on extract air volumes

**Performance Graph**



**Typical installation**

