



FORCLIMA E100SX

“E100SX” TECHNICAL DATA & DETAILS OF THE PRODUCT

DESCRIPTION

FORCLIMA “E100SX” is a two speed surface mounted extract and intake single room heat recovery unit that gives up to 70% Heat Recovery. Effectively keeping internal Relative Humidity to a limit, the **E100SX** unit controls condensation and eliminates mould. Fresh pre-warmed air from the outside is continuously provided to the room with simultaneous extraction of stale, moist air. The unit is designed to run continuously, with a **manual pullcord** switch to boost fan speed. The unit runs at boosted speed until the pull cord switch is operated again to drop the unit to normal speed.

CONSTRUCTION

The **“E100SX”** is constituted of a white powder coated metal case, with a willow white ABS internal grille and a brown outer grille.

HEAT EXCHANGER

The polymer UPVC 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 to the room. The 2 airstreams don't mix each other. By this means there is a continuous exchange of air in the environment without dispersion of energy, achieving therefore **an economic saving**.

FAN

Twin polymer alloy centrifugal impellers are designed to provide high pressure operation whilst minimising noise. The connection to accessories such as: timer, humidity sensors, smoke sensors, etc., makes the control system complete.

FILTER

The unit is equipped with reticulated foam filters. The filters are easily removable for their maintenance and can be furnished with active carbons on demand.

WEIGHT

Kg. 5,5

MOTOR

The **E100SX** unit has a single two speed motor, safeguarded by thermal overload protection, which provides continuous low volume ventilation with a boost option.

Power Consumption: from 14 to 35W
 Supply Feeding: 230V; 50Hz
 Noise Level: from 20 to 30 dB(A) at 3 mt.

INSTALLATION

The **E100SX** unit is designed for surface mounting with extract and requires and supply airflows via a 100mm diameter. The split duct is simply pushed into a pre-drilled 115mm hole using a masonry core drill. The duct can be cut to suit the wall thickness. The unit fits onto the split duct vent and is fastened to the wall surface using the two plugs and screws supplied. The plastic front cover is then fitted onto the metal case by four screws and holds in place the air filter. A self sealing version of the external cowl is available for installation from within the building. This is ideal for use in tower blocks when access to the external wall is difficult.

MAINTENANCE

The unit needs to be checked every six months or, as conditions necessitate, as follows:

- Clean or replace the filters.
- Wash the heat exchanger from deposits of dust or fat in warm soapy water.

Access to the filter and heat exchanger is via two screws on the internal grille.

GUARANTEE

The unit has 24 months guarantee.

Note. *To ensure peak performance the appliance should be cleaned regularly.*

OPERATION SCHEME

