



FORCLIMA E100R

“E100R” TECHNICAL DATA & DETAILS OF THE PRODUCT

DESCRIPTION

FORCLIMA “E100R” is a small self-contained air handling unit for remote mounting. It is ideal for providing balanced ventilation with heat recovery to internal bathrooms/Wc’s. The unit can be mounted above a suspended ceiling or in an adjacent room. Supply and extract airflows are ducted using standard 100mm diameter flexible ducting. Maximum Operating Temperature 40°C.

CONSTRUCTION

The “**E100R**” is constituted with white powder coated metal case. **All the units are composed with recycling materials.**

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, so that there is a continuous exchange of air in the environment without dispersion of energy, achieving therefore **an economic saving.**

MOTOR

The **E100R** unit has a single two speed motor, safe-guarded by thermal overload protection, providing continuous low volume ventilation with a boost option.

Power Consumption: from 35 to 67 W
 Supply Feeding: 230V; 50Hz
 Noise Level: from 20 to 30 dB(A) at 3 mt.

FAN

The two polymeric fan wheels should be a centrifugal forward curve type on a common shaft. The fans are designed to provide high pressure operation whilst minimising noise.

CONTROLS (on demand)

A variety of control devices are available for manual or automatic speed control. White plastic box with 2 switchers ON/OFF & LOW/BOOST SPEED. mod. **FORCLIMA “VCON100”**.

FILTER

Not fitted.

WEIGHT

5,6 Kg

INSTALLATION

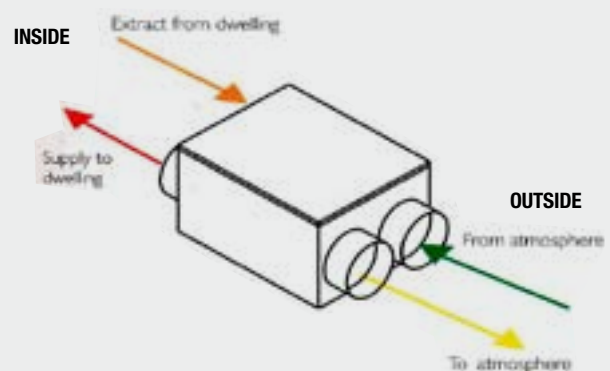
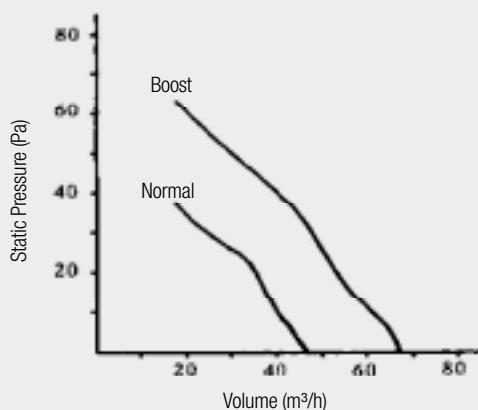
The **E100R** unit is compatible with 100mm diameter flexible ducting which fits onto the unit via the metal spigots and can be fastened using tape or worm drive clips. A22mm diameter condensate drain connection is situated on the base of the unit, this should be connected to a suitable outlet for condensate drainage. The E100R comes complete with a four core flying lead for connection to the chosen controller/power supply.

MAINTENANCE

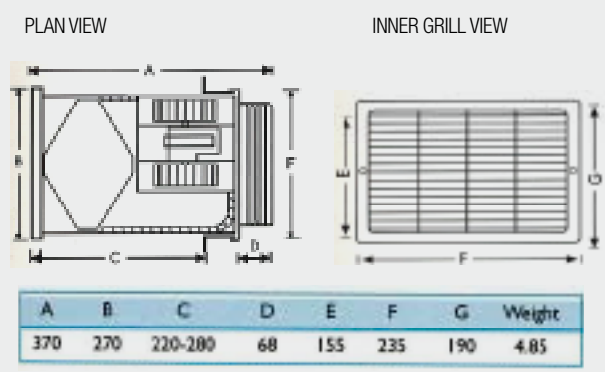
The unit needs to be checked every six months or, as conditions necessitate, as follows:

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

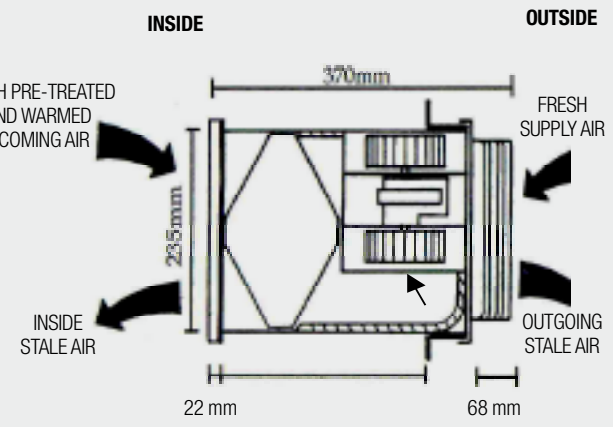
EXTRACT PERFORMANCE & OPERATION SCHEME



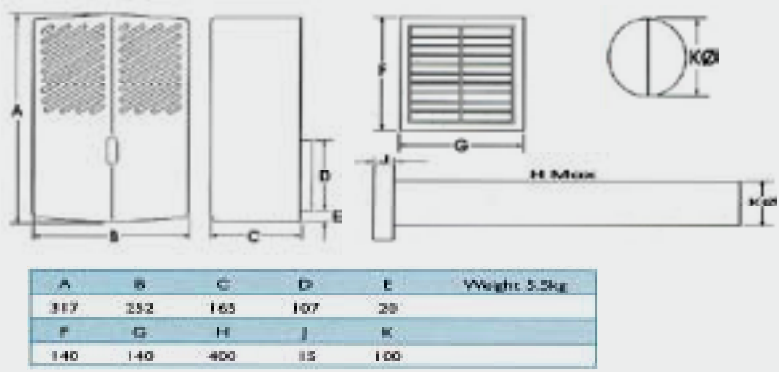
DIMENSIONS "E100"



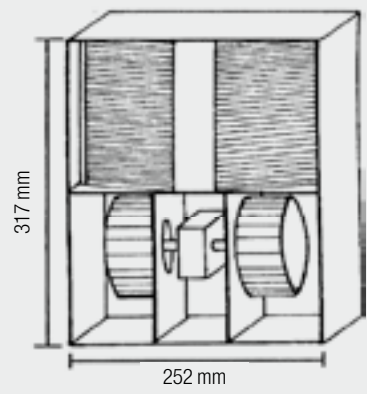
A	B	C	D	E	F	G	Weight
370	270	220-280	68	155	235	190	4.85



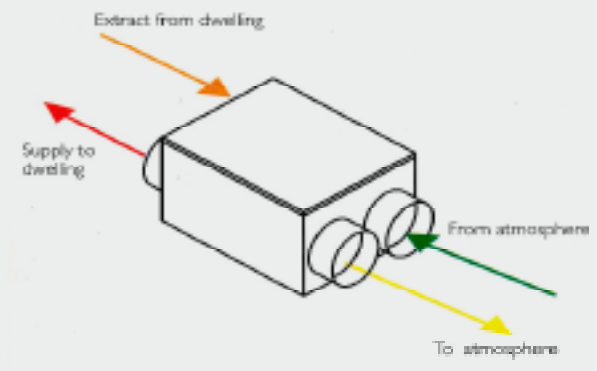
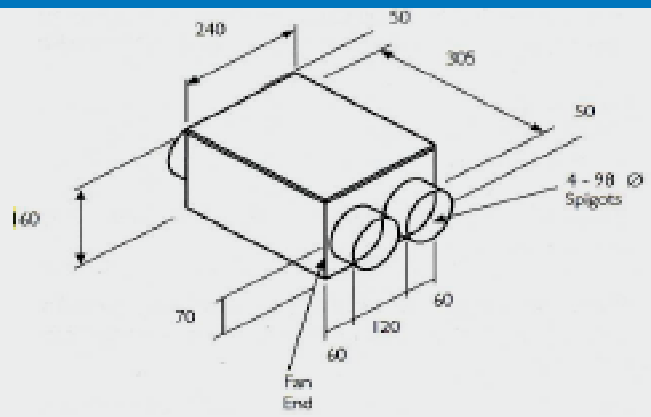
DIMENSIONS "E100SX"



A	B	C	D	E	Weight 5.2kg
317	232	163	107	20	
F	G	H	I	J	K
140	140	400	15	100	



DIMENSIONS "E100R"



RELATIVE HUMIDITY GRAPH

