

# Solitair

Single Room Heat Recovery



# Introducing the Xpelair Solitair Heat Recovery Unit

The expertly engineered Solitair single room heat recovery unit is designed for 4"/100mm through wall ducted installations, making the unit ideal for bathroom, toilet, kitchen and utility room refurbishment applications.

## Features

- Best in class heat recovery of over 80%
- Triple filtration system
- Configured straight out of the box
- 2 speed operation (trickle and boost via humidistat)

## Intelligent control

Summer bypass and winter mode to accommodate temperature extremes whilst maintaining air comfort.



**1 Solitair Unit**



**Running at boost**



**for 1.5 hours a day**

**Annual carbon saving**



**327**  
Kg CO<sub>2</sub>e



- Forward curved impellers within scroll housing to smooth air flow
- Optimised rotational speed of heat exchanger for maximum performance
- Strategically placed motors
- Heat exchanger supported on ball bearings to reduce load thus increasing life

## So Simple Installation and Maintenance



### Ease of Install

- So Simple straight out of the box installation – unit is already configured
- Large cable access (via knock-out) for So Simple installation for ease of wiring
- 4 screws only to mount to wall with slotted screw slots for ease of alignment



### Ease of Maintenance

- Wipe clean baffle for easy maintenance and cleaning
- So Simple Hook Front Cover with 2 screws
- Triple filtration for So Simple service-free maintenance:
  - Filter adjacent to outside grille to prevent large particles entering the heat exchanger
  - G3 filtration on fresh-air intake
  - Easy to remove and clean particulate filter



**1 Solitair Unit**



**Running at boost**



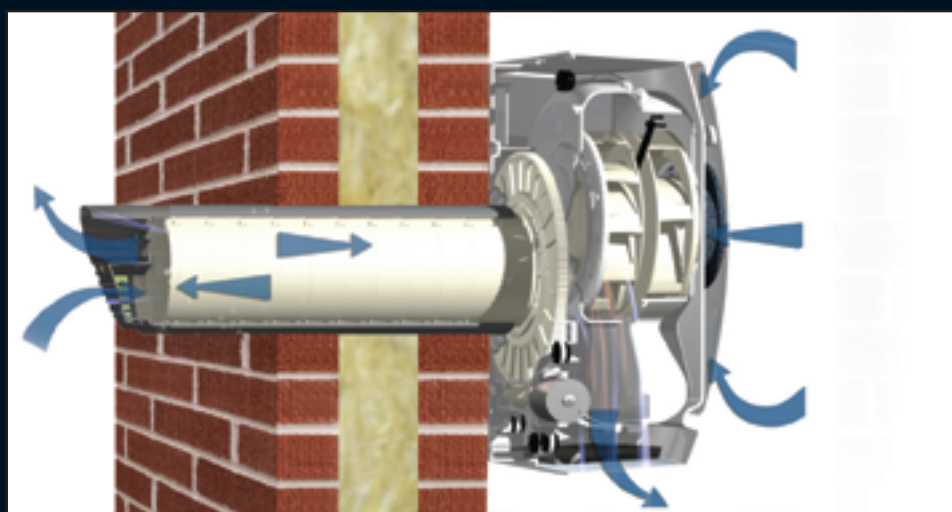
**for 1.5 hours a day**

**Annual utility bill saving**



\*Based on a cost of 11.4p per kW hr. Compared with an intermittent bathroom fan running at 6.7W for 2.5 hours per day

# Technical Specifications

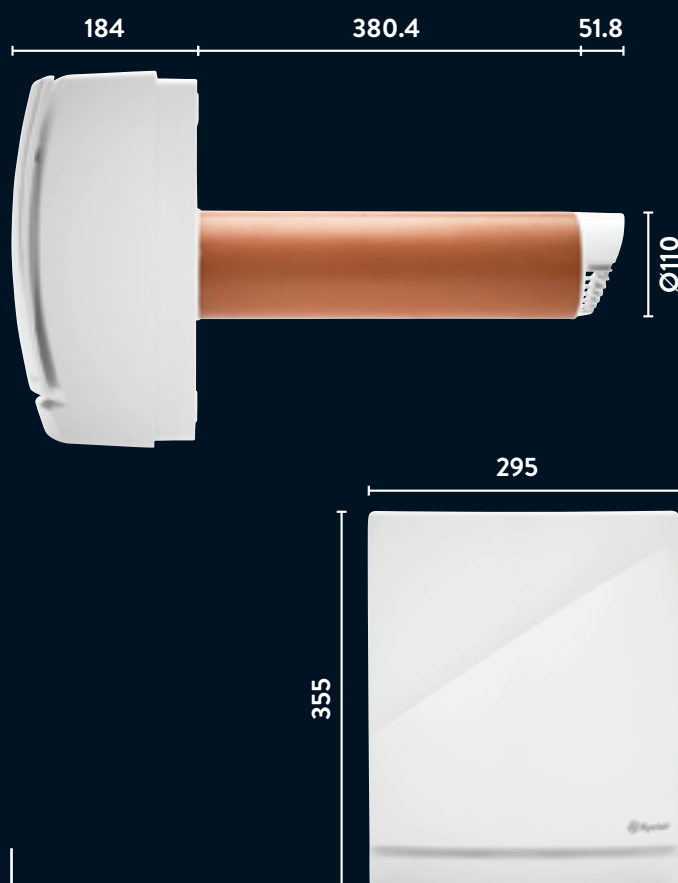


Solitair utilises a unique cylindrical “heat wheel” exchanger. The benefit of this method is that rotational speed is optimised (8 revs/min) to obtain maximum efficiencies.

## Performance

|                         | Trickle | Boost |
|-------------------------|---------|-------|
| Airflow (l/s)           | 6       | 15    |
| Sound Pressure dBA @ 3M | 28      | 39    |
| Power (W)               | 9       | 22    |
| SFP (W/L/S)             | 1.5     | 1.5   |
| Thermal efficiency (%)  | >80     |       |
| Weight of unit (kg)     | 5       |       |

## Dimensions



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