

Positive Input Ventilation (PIV) Loft System Running Costs

Costs are based on the Envirovent PIV Loft model with Preheat Facility. These are normally set at Medium fan speed but costs relating to all fan speeds have been calculated and included.

PIV System Running Costs

Trickle – 4 watts - £10.44 per year (equivalent to approx. 87p per month)
Medium – 4 watts - £10.44 per year (equivalent to approx. 87p per month)
Large – 6 watts - £15.67 per year (equivalent to approx. £1.31 per month)
Boost – 9 watts - £23.51 per year (equivalent to approx. £1.96 per month)

Calculation:

$(\text{Watts} / 1000) = \text{kW} \times (\text{hours the fan is on per year} \times \text{cost per kWh @ 34p})$
(Assumes 24 hours a day for 320 days, equivalent to 7680 hours a year):

Example for Trickle = $4/1000 \times 7680 \times 0.34 = \text{£}8.60$ per year

During the warmer summer months when the air temperature in the loft reaches 25°C, the PIV unit will automatically turn off. Costing has therefore been allowed for 320 days continual operation with a 45 day off period during the summer months.

The Positive Input Ventilation System is fitted with a pulse heater that can be allowed to operate automatically or it can be manually switched off. Costing this is very difficult as varying temperature and milder winters can prevent the heater operating or cause intermittent usage. The Pre Heat facility generally switches on when the air temperature drops in the colder months and maintains an incoming air temperature of 10°C.

Additional Pre-Heat Facility Cost (when on): $(500/1000 \times 1 \times 0.34) = \text{£}0.17\text{p}$ per hour

Sound @ 3m < 15 dB for Trickle to Large Speed Setting. 15 dB for Boost Speed Setting

Please Note – Energy consumption calculations are dependent on kWh and will vary on differing tariffs. Currently according to Ofgem for a typical customer paying by direct debit, the cost will be 28p per kwh for those on the standard variable tariff. Further details can be found at www.ofgem.gov.uk.

Are you struggling with Energy Bills or need help getting the best energy provider for your home?

We operate a Tenancy sustainment duty line between 9am to 5pm, Monday to Friday that you can call for advice. Please note the line is closed on bank holidays.

West of England and Somerset Duty Line – 01934 526 444. Devon
and Cornwall Duty Line – 01392 302 444.

Alternatively, you can complete a Tenancy Sustainment Self-Referral Form on our website at www.livewest.co.uk