

Information for house owners

Are you looking for an efficient way to heat your house?

Do you want to cut your energy consumption and reduce your energy costs in the longer term?

Do you want to help protect the environment?

Do you want to help reduce energy imports and use energy that's available right here?

Your house may be suitable for an energy-efficient heat pump system.

Ask your local expert:

- an energy advisor
- your energy supplier
- a heat pump installer or heating engineer

Information for energy advisors

Getting high performance from a heat pump needs

- expert design of the system
- competent fitting by a heat pump installer with experience and accreditation
- a house that's suitable for the technology

The building

- must be well insulated overall, with all components of the envelope meeting a high insulation standard
- should have a heat requirement less than 100 kWh/m²/y
- is likely to have been built after 1990, though older houses may be suitable if they have been renovated to a high energy performance
- should undergo a thorough energy analysis

Information for installers

The efficiency of the system is indicated by the seasonal performance factor (SPF) – a measure of the heat produced in relation to the electricity used: the higher the SPF, the more efficiently the heat pump is working.

For the heat pump to work efficiently

- it must be sized correctly for the building's energy needs
- the basic energy performance of the house must be sound
- the heat distribution system in the house must be suitable

New houses will generally be built to an adequate energy standard, and the ideal distribution system is underfloor heating, operating at 35-40°C.

In older buildings, radiators can be used provided they are oversized and can operate at 55°C maximum.












An EU- funded project to promote the sales of heat pumps

- Target areas in 5 European Countries
- Market analysis in the target areas
- Marketing strategies for heat pumps
- Information of market players
- Improvement of cooperation of relevant market players in the target area
 - o Energy advisers
 - o Installers
 - o Energy suppliers
- Increase of number of installed heat pumps in the target area
- Combination of heat pumps and renewable energies
- Find further information on www.proheatpump.eu

How does a heatpump work?

- With a heat pump you can use ambient heat for heating your rooms and drinkwater.
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- The necessary heat is provided by a thermo dynamic circle process. Electricity or gas is used as propulsion energy.
- As a result compared with a gas or oil boiler heating with an efficient heat pump saves primary energy.
- Using less primary energy means also that less CO2 is emitted to the environment.

Project partners:

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| Germany | United Kingdom | Bulgaria | |
|  |  |  | |
| Sweden | Energy Agency for Southeast Sweden | France | |

