



The European Eco-label for Heat Pumps





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"The official EU mark for Greener Products"

If you want to show your commitment to a better environment:

Choose the Flower for your Heat Pumps

Once it's on your products, the Flower guarantees:

-  Improved energy efficiency during heating and cooling modes
-  Reduction or prevention of the risks for the environment and for human health related to the use of hazardous substances
-  Lower global warming impact
-  Contains instructions for correct environmental use

It can be awarded to electrically driven, gas driven or gas absorption heat pumps with the purpose of space heating or the opposite process space cooling, with a maximum heating capacity of 100 kW. Heat pumps exclusively providing hot water for sanitary use, and those only extracting heat from a building are excluded.

Meet your customers' demand

Consumers are today more sensitive to the protection of the environment. Four out of five European consumers would like to buy more environmentally friendly products, provided they are properly certified by an independent organisation.

With the Flower on your products you offer them a reliable guide to easily identify the good environmental performers available on the market.

Give your heat pumps a credible sign of Environmental Excellence...

Apply for the Flower!


For a quick test use the check list on the back


They said it!

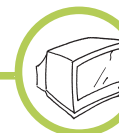
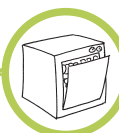
"Euroheat & Power believe the Ecolabel for heat pumps will enable clients to make an informed choice about the environmental merits of the product they buy. It is therefore a positive step towards ensuring energy supplies in balance with the environment. Furthermore it is a useful stepping-stone towards the development of common criteria for the environmental assessment of all heating/cooling sources which should be the ultimate goal."

Euroheat & Power's Task Force Ressource Efficiency

For more information...

... on the scheme, its feature, the actors involved, the application process... 
<http://ec.europa.eu/ecolabel>

... on the "Heat pumps" product group: detailed criteria, date of revision... 
<http://ec.europa.eu/ecolabel>
Choose "product groups" on the menu on the left





Life Cycle Step	Criterion	Expectations
Manufacturing	Safety of the product	<ul style="list-style-type: none"> • Taking into account the tolerances specified in Directive 2005/618/EC, the heat pump and the heat pump system shall not contain: Cd, Pb, Hg, Cr VI, or the flame retardants (i.e. PBB or PBDE) as listed in Article 4 of Directive 2002/95/EC.
Use	User instructions for correct environmental use	<ul style="list-style-type: none"> • A comprehensive manual for installation, maintenance, and for operating the heat pump shall be provided. • An 'information fiche for customers' will be available at point of sale to provide appropriate advice to consumers about the heat pump. • Suitable training for installers in Member States where the product is marketed shall be ensured. It shall include information relevant for sizing and installing the heat pump and completing the information fiche for consumers.
Use	Performance criteria	<ul style="list-style-type: none"> • The sound power level(s) shall be tested and stated in dB(A) on the information fiche. • The efficiency of the heat pump unit shall exceed the minimum requirements of the coefficient of performance (COP) and the primary energy ratio (PER) as defined in Commission Decision 2007/742/EC. • If the heat pump is reversible and can cool, the efficiency of the heat pump unit shall exceed the minimum requirements of the energy efficiency ratio (EER) in cooling mode as defined in Commission Decision 2007/742/EC.
Use	Limitation of the use of substances harmful to the environment	<ul style="list-style-type: none"> • Global Warming Potential (GWP) for the refrigerant: $GWP \leq 2000$ (100 yrs). • If $GWP < 150$ (100 yrs), then the COP and the PER in heating mode and the EER in cooling mode shall be reduced by 15%. • The secondary refrigerant, brine or additives must not be substances classified as environmentally hazardous or constituting a health hazard as defined in Directive 67/548/EEC and its amendments.
End of life	Durability	<ul style="list-style-type: none"> • The availability of spare parts shall be ensured for a period of 10 years from the date of sale.

Your Competent Body will inform you which assessment and verification documents are required (e.g. declarations of compliance, MSDS of ingredients), which test results must be provided and how the testing should be carried out (external test laboratories).

To market your eco-labelled products use our free Green Store:
<http://www.eco-label.com>