



HEAT PUMPS BAROMETER 2024

FREE DOWNLOAD
ENGLISH: [www.eurobserv-er.org/
category/all-heat-pumps-barometers](http://www.eurobserv-er.org/category/all-heat-pumps-barometers)

EurObserv'ER estimates that around 5.9 million heat pumps were sold in the European Union in 2023, marking a slight decrease of 1.2% compared to 2022. Reversible air-to-air heat pumps continue to dominate the market with 4.3 million units sold, remaining stable from the previous year. In contrast, air-to-water heat pump sales dropped by 9.5% to 1.3 million units, due to significant sales reductions in

key European markets, falling gas prices, inflation, a slowdown in new construction, and less favorable public policies. Geothermal heat pumps saw a 10.9% increase, reaching 136,914 units sold. By the end of 2023, the total number of heat pumps installed in the EU is estimated at 54.2 million units (52.2 million aerothermal HPs and 2 million geothermal HPs).

-1.2%

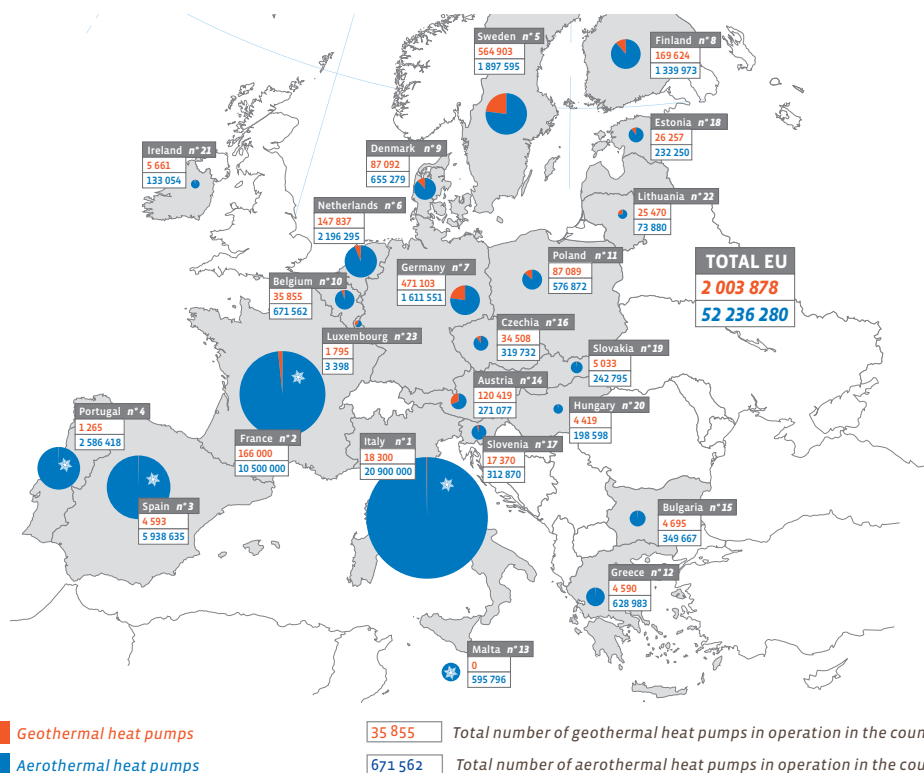
the decrease of the heat pump market (all technologies) for heating and cooling between 2022 and 2023 in the EU

17.8 Mtoe

the estimate renewable energy provided by heat pumps for heating only in the EU in 2023



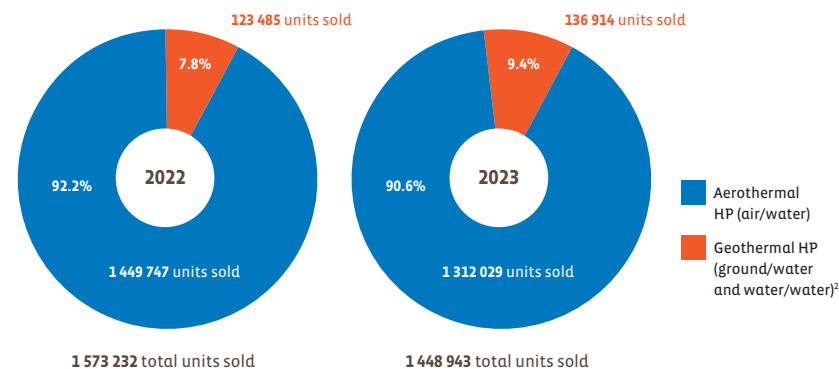
Total number of heat pumps for heating and cooling in 2023* in the European Union



Datas from Italian, French, Spanish, Portuguese and Maltese aerothermal heat pump market are not directly comparable to others, because they include high part of reversible heat pumps whose principal function is cooling. Only heat pumps that meet the efficiency criteria (seasonal performance factor) defined in Annex VII of Directive 2018/2001 (EU) are taken into account.

* Estimation. Source: EurObserv'ER 2024.

Market shares of the hydronic¹ heat pump segment in the EU in 2022 and 2023 *



1. A hydronic heat pump system uses water or another liquid as a heat transfer fluid in heating and cooling systems (with radiators or a heating floor)
2. Hydrothermal HP included. * Estimation. Market data for Romania, Hungary, Bulgaria, Latvia, Cyprus, Croatia and Malta was not available during our study. Source: EurObserv'ER 2024.

FURTHER INFORMATION

ANNUAL REPORT: "The State of renewable energies in Europe", 22nd edition, www.eurobserv-er.org/22nd-annual-overview-barometer/
DATABASE: www.eurobserv-er.org/online-database
GRAPHS: www.eurobserv-er.org/press-corner-graphs-and-tables
X: https://x.com/i/flow/login?redirect_after_login=%2FEurObserv_ER
PRESS RELEASES: www.eurobserv-er.org/download-press-releases

The next barometer will be about renewable energy transport.

DISCLAIMER

This barometer was prepared by Observ'ER in the scope of the EurObserv'ER project, which groups together Observ'ER (FR), TNO (NL), Renewables Academy (DE), Fraunhofer-ISI (DE), VITO (BE) and CBS Statistics Netherlands (NL). The information and views set out in this publication are those of the author(s) and do not necessarily reflect the official opinion of the Commission. The Commission does not guarantee the accuracy of the data included in this study. Neither the Commission nor any person acting on the Commission's behalf may be held responsible for the use which may be made of the information contained therein.