HEAT PUMPS BAROMETER 2021

The public authorities view heat pump technology as one of the keys to achieving carbon neutrality by 2050. Driven by strong momentum, the European aerothermal heat pump market grew by 3.4% in 2020. With 4.2 million of new units sold, this technology confirms its domination among other renewable heat sources. Air-to-air equipment still accounts for the bulk of sales on the European market, with more than 3.6 million systems sold. The three most important markets are not surprisingly located around in Mediterranean area (Italy, France, and Spain) and represent 74.6% of new reversible air-to-air systems installed in Europe. On the geothermal sector, sales are on another level but heat pumps market growth was 9.1% over its 2019 level, with 100,838 units sold.

+3.4% the increase of the heat pump market (all technologies) between 2019 and 2020 in the EU

13.2 Mtoe the estimate renewable energy provided by heat pumps in the EU in 2020

Number of aerothermal and geothermal heat pumps in operation in the European Union in 2020*

Data from the aerothermal heat pumps in operation for Italy, France, Spain, Portugal and Malta are not directly comparable to other, because they include a high part of reversible heat pumps whose principal function is cooling.

Aerothermal heat pumps: 13,255 Total number of aerothermal heat pumps in operation in the country

Geothermal heat pumps: 59,060,000 Total number of geothermal heat pumps in operation in the country

The next barometer will cover solid biofuels.

Further information


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A study carried out by EuroObserv’ER