



„THE KEYMARK –
Tested and certified
once, accepted
everywhere.“

KEYMARK Certification of Heat Pumps

„Heat Pump KEYMARK“ – quality for Europe. In today’s environment, heat pumps can play a considerable role in reaching the European 2020 package set binding targets concerning reduction of greenhouse gas emissions, increased use of renewable energy sources, and improvement of energy efficiency. Given the need for consistent product quality and reliable product performance, the heat pump industry decided to join the a voluntary quality assurance system based on European product standards and the European quality mark KEYMARK.

The marks highlights the difference.

When it comes to product choice, users (planners, architects and private builder owners) focus not only on the performance capability of a heat pump, but also on its reliability. Certificates and marks from an independent Certification Body aid the purchasing decision and give the buyer the reassurance that they have acquired a quality product.

Europe is also coming together on product markings. The KEYMARK, which is the European quality mark for products and services, opens the door to the markets of Europe for international businesses. The certified quality products offer you the competitive advantage of setting yourself apart amongst the ranks of suppliers. Market your product across Europe under a standardised quality mark in addition to CE marking.



Basis for European certification.

The European KEYMARK Scheme Rules for heat pumps were developed with the involvement of manufacturers, Testing Laboratories, Certification Bodies and European Heat Pump Association. It is based on the European standards EN 14511, EN 14825, EN 15879-1, EN 12102-1, EN 12309, and EN 16147. They specify harmonised quality and testing requirements for the heat pumps. Heat pumps, which were tested, certified and surveilled in accordance with the standards (internal and external surveillance) may use the internationally recognised quality mark KEYMARK.

There are lot of good reasons for a KEYMARK certification.

- Reduction in administration and testing costs
- A single certificate open to all interested parties
- Third party tests using test points from Ecodesign (EU regulations 206/2012, 813/20133, and 814/2013)
- Factory production control (FPC) and check of quality management
- Mutually accepted by all participating Certification Bodies
- No minimal requirements (indirectly, due to Ecodesign, minimum requirements will apply on eta s, noise)
- Transition period for the different existing schemes: EHPA – Quality label, MCS in UK, NF-PAC in France and LCP-HP
- As an independent third party, empowered Certification Bodies confirms your quality statement with the internationally recognised „Heat Pump KEYMARK“.



Content of the certification.

The „Heat Pump KEYMARK“ is awarded on the basis of the standardised European KEYMARK Scheme Rules for heat pumps. It is based on the harmonised process for KEYMARK certification for products and services, introduced by CEN and CENELEC for Europe, which are based on European standards.

Checks are conducted within the scope of product testing to determine whether the values indicated by the manufacturer through the database and in accordance with the relevant product standard. The samples for initial testing and for the audit testing are taken from ongoing production or from the manufacturer’s warehouse. The following quality criteria are incorporated into heat pump testing, for example:

- sound power level
- space heating test
- efficiencies
- bivalent temperature
- domestic hot water test

In order to obtain the „Heat Pump KEYMARK“, the manufacturer also has to maintain a product-related Factory Production Control (FPC) based on EN ISO 9001. The effectiveness of this FPC is assessed during routine factory inspections.

The „Heat Pump KEYMARK“ is only awarded to those products which have demonstrated their compliance with the product standard by passing tests in an accredited and registered Testing Laboratory (bound by contract to Certification Body) followed by an independent evaluation.

The „Heat Pump KEYMARK“ certificate is valid for 10 years. If the annual audit tests and the check of the FPC are successfully conducted, it will be renewed.

Requirements for involved Third Parties.

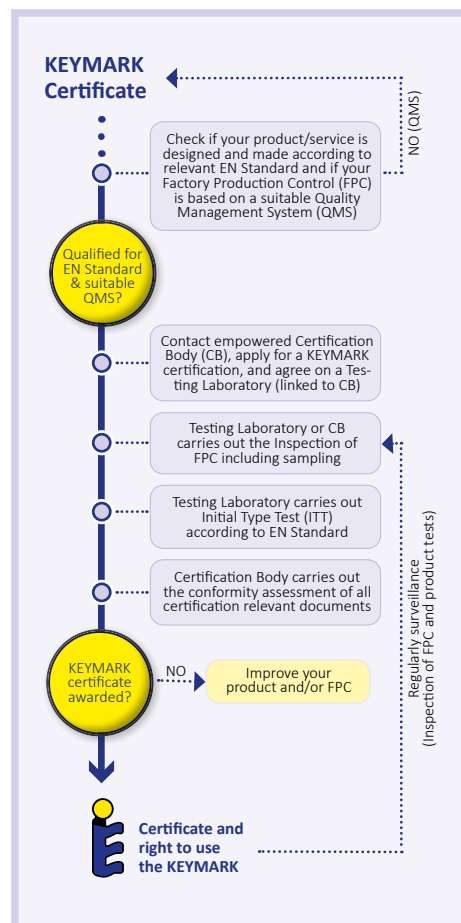
Within the scope of the harmonisation of the European market, testing, inspection and certification has to satisfy high requirements in terms of independence, neutrality, and organisation. The Third Parties have to demonstrate their competence and be accredited to perform testing, inspection and certification in compliance with EN ISO/IEC 17025 or EN ISO/IEC 17065. Certification bodies which seek to award the KEYMARK must also undertake a formal empowerment process and receive authorisation to do this by KMO (KEYMARK Management Organization) on behalf of CEN.

The Heat Pump KEYMARK Scheme Rules, including all the documentation of relevance to this, is developed further through the European Heat Pump Scheme Group (HP-SG) as well as through specific sub-committees in respect of the themes of

- Certification Bodies
- Testing Laboratories
- Inspectors
- Manufacturers
- ...

Openness and transparency.

Details of all the companies which have been awarded certificates, including the technical data sheet for the certified product, can be viewed on the KEYMARK website www.heatpump.keymark.eu, which is regularly updated. The documentation, which is of relevance to the certification, such as the KEYMARK Scheme, is available there.



CONTACT

EHPA Secretariat
Rue d’Arlon 63-67
1040 Brussels
Belgium

Phone: +32 2 4001017
Email: secretariat@heatpumpkeymark.com
Website: heatpump.keymark.eu

KEYMARK Management
Organization (KMO)
DIN CERTCO GmbH
Phone: +49 30 75621131
Email: keymark@dincertco.de
Website: www.dincertco.de