



Certification Rules

KEYMARK Heat Pump

Edition n° 0

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- None

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1 Scope

The purpose of this document is to establish the certification rules that can be accredited by COFRAC according to ISO / IEC 17065 applicable to certification bodies that certify heat pumps intended to supply domestic hot water for obtaining the "HP KEYMARK" certification mark.

2 Reference documents

The certification of equipment is performed according to the following documents :

- Commission Regulation (EU) No 814/2013 of 2 August 2013 implementing Directive 2009/125 / EC of the European Parliament and of the Council as regards ecodesign requirements for water heaters and hot water storage tank
- European KEYMARK Scheme - Heat Pumps (<https://www.heatpumpkeymark.com/documents/>)
- Standard EN 16147 Heat pump with electric motor-driven compressor - Tests, performance determination and requirements for marking domestic hot water appliances

- The documents of the quality system for product certification, accredited by Section "Industrial Products" from COFRAC for certification of industrial products under the number 5-0014, mainly:
 - o The Quality Manual "General Provisions" and the associated general procedures
 - o The Quality Manual "Product Certification" and the specific procedures associated (meeting the requirements of the standards EN 45011 and ISO/IEC 17065)

3 Certification Mark

All certified products must bear the following mark of conformity:



As well as an identification code **043/1-xxx**, where:

043/1: Registration number of LCIE as certification body recognized by KEYMARK

xxx: Unique number for each certificate.

For any supplement see also:

- §10 "Certification mark and labelling" du document "European KEYMARK Scheme-Heat Pumps".
- Annexe D2 "Template KEYMARK Certificate" du document "European KEYMARK Scheme "Heat Pumps".

4 Obligations to be bound by the Applicant

The applicant is the legal person that may be the manufacturer or a designated representative.

The applicant undertakes to:

- maintain product compliance with the applicable requirements by supply arrangements, manufacturing;
- affix the CE marking and to appoint a representative within the Community as necessary;
- comply all the time without restriction or reservation with the provisions of this certification rules and the related documents, including changes that would be communicated by the LCIE;
- allow access to its premises and facilities, and ensuring access to the premises of the manufacturer of the product if the applicant and manufacturer are different, to the representatives of the Notified Body or his representative in connection with audits and controls products certified, and to any observers (eg mandated by COFRAC or a competent authority);
- Make presentations on certification that are consistent with the established certification and not misleading or not authorized by these certification
- Reproduce only in their entirety the documents issued by LCIE in the scope of certification (certificate, license, certificate type, ..).
- pay all the fees relating to the certification of the products concerned;

Specific requirements when putting the product into circulation:

The manufacturer, its representatives, agents and importers of equipment are required to:

- ensure they place on the market equipment that comply with the essential requirements when installed and maintained properly and when they are used as intended,
- ensure that the user has good information on the use to which the equipment is intended,
- be able to identify the manufacturer or his representative in the European economic area if there is not domiciled, or the name of the importer and address on the product or packaging,
- take adapted measure to the particularities of the products they put into circulation in order to avoid danger. These measures may be the recall of equipment, effective and adequate warnings and the withdrawal of these products

5 Procedure for treatment of an application for HP KEYMARK Certification

The "HP KEYMARK" certification allows two different certification approaches.

- The first is to test only one (or more) models randomly in admission (the products covered by the certification and not evaluated at admission being evaluated during follow-up audits, which therefore include tests)
- The second is to test each product in admission, the follow-up audits then including no test but only documentary reviews.

LCIE will only use the second approach.

The applicant must complete the application form provided and return it to LCIE. The application concerns a product designated by its commercial reference and characteristics. The following elements should also be attached to the application:

5.1 Test results performed by a recognized testing laboratory.

A test report according to EN16147 shall provide at least the following values for the average operating temperature:

- Energetic efficiency
- Mixed water volume at 40 ° C
- Racking cycle

This same report should also cover the following paragraphs of the standard:

- §8.1 Operating temperature range
- §8.3 Test of control of safety devices
- §8.4 Evacuation of condensates

A test report according to EN12102 (or equivalent) shall provide at least the following values for the average operating temperature:

- sound power level of indoor and outdoor units, if applicable

5.2 Verification of the quality management system of the manufacturing site (Factory Production Control)

A verification report of the quality management system of the manufacturing site shall be provided. This report should:

- Be prepared according to Annex C of the document "European KEYMARK Scheme Heat Pumps".
- Cover the requirements of Annex B of the document "European KEYMARK Scheme Heat Pumps".

The manufacturing site is defined by the location where the final product assembly is performed.

If the refrigerant circuit is produced at a different production site and no final control test is carried out on the circuit, an inspection of this assembly site of the refrigerant circuit is also required. Nevertheless, if the manufacturer can provide evidence of satisfactory quality control of products from a site without a final test, the auditor may accept those products without further inspection.

5.3 Technical documentation

The technical documentation must enable the certifier to ensure that the products tested are equivalent to those to be manufactured for normal production. The documentation must include the following:

- ✓ Details of intended use, application and classifications (if any) required
- ✓ The product revision number
- ✓ The list of key components
- ✓ Test / examination reports in accordance with the relevant standards defined above.
- ✓ Installation, use and maintenance instructions

5.4 Review and certification decision

The review of the certification file including the application form, the test reports, the technical documentation and the verification of the quality management system allows a recommendation for certification decision, and to issue, when the decision is positive, the HP KEYMARK certificate.

6 Follow up of certification

6.1 Survey of certified products

The surveillance of certified products is carried out by:

- ✓ Regular inspection of the various manufacturing sites
- ✓ Control of the documentation of certified products.

The monitoring process is successful if factory inspection and documentation control are confirmed by the certification body.

The inspection of the manufacturing sites must be carried out at least every 12 months.

The regular periodicity of the control of the technical documentation is 12 months

6.2 Review and certification decision

The review of the monitoring elements (inspection and technical documentation) allows to make a recommendation for the certification decision, and to confirm, when the decision is positive, the HP KEYMARK certificate.

6.3 Declaration of modifications

Any modification related to a certified product must be sent to LCIE using Annex F of the document "European KEYMARK Scheme – Heat Pumps"

(<https://drive.google.com/file/d/0BycS99yBepqeRmFzQTRpUzFqU0U/view>)

7 Statement of Complaints

The applicant must:

- keep a record of any complaint brought to its attention about the conformity of a product with the requirements of the relevant standard and put the files in question available to the certification body upon request,

- take appropriate measures following such complaints or concerning any defects in a product that would affect its compliance with the certification requirements,
- document the steps that have been taken.

This statement must be made available if requested by LCIE.

8 Contesting a decision – Appeals

Any claim must be made in accordance with §13 of the document ""European KEYMARK Scheme – Heat Pumps"

(https://drive.google.com/file/d/1YPqxHETYWcqGOMUO_rS-xMx4teJOfoAD/view)

9 Fees

The fees relating to the instruction of product certification According to the procedures described in §5 are the subject of an offer made pursuant to the rates in effect at LCIE.

The fees are payable to LCIE, by applicants in accordance with the rules specified in the offer. The provision of an order by the applicant constitutes acceptance of this offer.

See also Annex J – Heat Pump KEYMARK Fees

(https://drive.google.com/file/d/1yICdlelw28o_cIUyk7CjKqzO5_r-J2n/view).

10 Approval - Revision

These Certification Rules have been approved by the General Director of LCIE after consulting the Certification Management Committee and signature of the Director of Certification.

Any revision shall be submitted to identical process for approbation.