

Testing and certification of heat pumps



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As an active player in the field of heat pumps, you know how important it is to have your pumps certified by an international recognized Testing and Certification Body. No need to highlight the absolute necessity that local authorities, funding organizations and your clients DO accept the certificates where you have invested in!

Congratulations!! You have just found exactly the right partner in Kiwa!

In many countries there are funding programmes for heat pumps that evidently demonstrate conformity to European and national requirements related to Safety, EMC and Efficiency. For example the Duurzame warmte for the Netherlands, BAFA for Germany, MCS listing UK, Etc.

As from mid 2010 we will be able to test water/brine-to-water heat pumps with electrically or gas driven compressors up to 40 kW (heating capacity).

Warmtepompkeur

The voluntary Dutch *Warmtepompkeur* quality mark makes a statement concerning the safety, reliability, and durability of a heat pump as well as the energy saving it realises. It aims to stimulate the implementation of high-quality heat pumps.

Besides that, this mark covers applicable Dutch regulations, such as requirements in the field of water.

The EN 14511 is one of the standards as base for this approval

EN 14511 testing (C.O.P.)

The EN 14511 gives requirements and test methods for the rating and performance of heat pumps with electrically driven compressors.

The EN 14511 is the EU standard that is used to determine the Coefficient of Performance (C.O.P.).

In short: the C.O.P. is the relation between the heating capacity and the power input and the E.E.R. is the relation between the cooling capacity and the power input.

European Eco Label

Kiwa can assist you in getting the European Eco Label for Heat pumps. This label does not only cover the energy efficiency but includes aspects as used heavy metals and flame retarders as well.

The flower logo helps manufacturers, retailers and service providers gain recognition for good standards, while helping purchasers to make reliable choices.

More info at www.eco-label.com

LVD / EMC Testing - CE Marking

Heat pumps must comply with the Low Voltage Directive (LVD) and EMC Directive. Kiwa is Notified Body for these and for all other relevant EU Directives. From one hand, we can provide you with all necessary testing and certification services that you need for your heat pumps. Also in case you need partial testing, for example pressure cycles, you name it, we are ready for it!

The road to Testing and Certification:

No matter of what your demand is, CE, C.O.P./E.E.R. testing, Eco Label or any national certification scheme, our experts are eager to help you out. We are experienced and equipped to handle all kinds of testing and certification needs.

The road is simple: Just contact us by mail, phone, internet, and inform us about your questions. From there we support and guide you. We have all testing facilities under accreditation in house.

New technologies:

New technologies such as Solar (both PV and thermal) , Inverters, Fuel cells, Combined Heat and Power (CHP) systems, known also as cogeneration, are increasingly coming into focus. Many new products are emerging based on different technologies. Before selling or demonstrating, systems need to show compliance to the applicable European directives.

Kiwa provides 'one stop shop' services for all your approvals, including CE advice, testing and certification services.

Also in case of field approvals or even R&D supported testing can be done.



Why Kiwa?

- Because of the international recognition. Our reports and certificates are accepted world wide.
- Because you are treated as a well respected customer. We know that our work is a contribution of your success. Aspects as time to market, flexibility are core values within the entire Kiwa group.
- Because you can count on highly experienced and capable experts
- Because we participate in standardization, so you can rely that you will have the latest information upon standards and interpretations
- You'll notice!

More information?

If you are interested in Warmtepompkeur and/or 14511 testing and would like to receive more information, please contact:

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