

NTA 8800: energy performance of heat pumps



The energy performance of a heat pump can be determined according to the NTA 8800, which is based on the European standards EN 16147 and EN 14825/EN 14511. The efficiency of the heat pump will be expressed in terms of the coefficient of performance (COP). The COP relates the amount of heat that a heat pump emits to the energy used for it.

Our experts can determine the efficiency of a heat pump in our own laboratory. Here, the annual efficiency of a heat pump can be determined, both for heating and for domestic hot water, by simulating the different conditions of use in test arrangements. If this meets the requirements, then an NTA 8800 quality declaration follows. Kiwa can test brine/water, water/water and air/water heat pumps according to the NTA 8800.

For whom?

Kiwa's services in the field of testing, testing and certification of heat pumps in accordance with the NTA 8800 is intended for manufacturers and importers who want their products tested for application on the Dutch market. Kiwa can issue the necessary quality declarations for both space heating (CH) and for domestic hot water (DHW).

What can we do for you?

Heat pumps must comply with national and international laws and regulations, regulations and certifications. Kiwa is accredited for all the European standards (and thus for the NTA 8800) and can therefore help you to comply with the requirements arising from this standard.

Our heat pump experts also have experience with EMC and electrical safety tests, the ErP, RED, , BAFA, EHPA Quality Label and CEN Heat Pump (HP) KEYMARK.

Kiwa's heat pump services

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Kiwa is a globally recognized and respected partner in the field of testing, inspection and certification (TIC) with modern in-house laboratories and facilities to test heat pumps and related systems. We offer all the services you need to keep your time-to-market as short as possible. Contact Ernst Vossers or fill in the contact form in the sidebar for more information about Kiwa heat pump services.

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