

The Blue Angel for Heat Pumps (DE-UZ 230)

Information for manufacturers and the retail trade

www.blauer-engel.de/en/uz230

- climate friendly natural refrigerants
- energy efficient
- low noise



Reliable guidance for sustainable purchasing

The Blue Angel – the environmental label from the German federal government – has set stringent standards for environmentally friendly, healthy and durable products and services in an independent and credible way since 1978. The Blue Angel is Germany's most well-known environmental label. You can thus benefit from the clear competitive advantages and added level of trust that this environmental label enjoys in the public sector, industry and amongst consumers. The label's credibility and competence, its objective criteria, its independent award process and its governmental links increase your corporate and brand value.

The advantages offered by the Blue Angel

The Blue Angel allows you as a company to present your environmental management practices and product responsibility in a credible way and set yourself apart from your competitors. Furthermore, you can use the Blue Angel for Heat Pumps to demonstrate to consumers that your products:

- use climate friendly refrigerants,
- operate in an energy efficient way,
- minimise noise emissions for consumers and
- have verified their fitness for use and durability.

Environmentally friendly heat pumps

Heat pumps are a key technology for replacing fossil fuel heating systems and can be used not only to heat rooms but also for heating domestic hot water. The use of renewable heat sources, such as water, geothermal energy or air, reduces the consumption of fossil fuels. If their direct and indirect emissions are not minimised, however, heat pumps still contribute to the greenhouse effect due to their consumption of electrical energy and also through the release of refrigerants. Devices certified with the Blue Angel for Heat Pumps minimise precisely these effects by avoiding the use of halogenated refrigerants and guaranteeing a high level of energy efficiency. The Blue Angel for Heat Pumps also takes into account any potential environmental impact that heat pumps may have during their life cycle – for example, by reducing noise emissions.

Criteria: What does the Blue Angel for Heat Pumps take into consideration?

- ☒ Operation with natural refrigerants instead of those containing halogens
- ☒ A proven high level of energy efficiency in the operation of the heat pump
- ☒ Limitation of noise emissions
- ☒ Guaranteeing the provision of equivalent spare parts and software updates for at least 15 years after the devices are launched on the market
- ☒ Clearly labelled, understandable and detailed user manuals that provide guidance and assistance to consumers, as well as services that enable the environmentally friendly planning and reliable and energy efficient operation of the heat pumps

Compliance verifications

Compliance with all requirements must be verified in accordance with the Basic Award Criteria – e.g. in the form of test reports, measurement results or approved certificates.

Application, use of the environmental label and costs

RAL gGmbH is responsible for handling the applications and concluding the contracts (E-Mail: umweltzeichen@ral.de; phone: +49 228 68895-190). Use of the environmental label is limited to the period of validity of the Basic Award Criteria. The current Basic Award Criteria are valid until 31/12/2027. RAL gGmbH – the awarding body for the environmental label – will charge a one-off handling fee of 600 Euro for the application. The annual fee is based on the annual sales of the certified product. If the sales figures are, for example, between 1 and 2.5 million Euro, the annual fee will be 1,500 Euro. Further information is available at <https://www.blauer-engel.de/en/certification/costs-applying-label>.



Further Information: [www.blauer-engel.de /en](https://www.blauer-engel.de/en)

