

# The Blue Angel for Construction Machinery (DE-UZ 53)

(Edition February 2015)

Information for manufacturers and the retail trade



[www.blauer-engel.de/uz53](http://www.blauer-engel.de/uz53)

- low noise
- low emissions

## 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 economy and amongst consumers. The label's credibility and competence, its objective criteria, its institutionalised 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 Construction Machinery to demonstrate to customers that the construction machinery

- has low noise emissions
- has exhaust and particle emissions below the statutory limits



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## Scope

The Blue Angel identifies those types of construction machinery defined in accordance with Directive 2000/14/EC1. This includes e.g. diggers, wheel loaders, mobile cranes, compressors and many other types of machine.

## Low noise and low emission construction machinery

Most construction machinery is powered by combustion engines, which generate significant levels of noise, exhaust and particle emissions in the process. The local air quality and health of those persons affected are strongly impaired as a result, especially in urban areas. At the same time, many people find that construction machinery and construction sites are the source of considerable noise pollution. In order to protect people's health and the environment, statutory limits for the permissible levels of noise, exhaust and particle emissions from construction machinery are defined within European regulations. These are determined and marked based on harmonised procedures. The Blue Angel ecolabel is based on the methodology used in the statutory procedures and, at the same time, takes into account state-of-the-art technology for the reduction of exhaust, particle and noise emissions. The requirements and test values in the Basic Award Criteria are thus more stringent than the statutory limits.

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## What does the Blue Angel for Construction Machinery take into consideration?

- Noise emissions
    - » Determining the guaranteed sound power level
    - » Sound pressure level at the workplace of the operator of the construction machinery
  - Exhaust emissions
    - » Compliance with air pollutant limits
    - » Continuous compliance with the emission levels
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## Compliance verifications

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

### Application, use of the environmental label and costs

RAL gGmbH is responsible for handling the applications and concluding the contracts (contact: Henrike Buttner, E-mail: [henrike.buttner@ral.de](mailto:henrike.buttner@ral.de), Service hotline: 0228 - 688 95-190). 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 31/12/2023. RAL gGmbH – the awarding body for the environmental label – will charge a one-off handling fee of 400 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 1,300 Euro. More information is available at <https://www.blauer-engel.de/en/companies/costs-blue-angel-schedule-fees>.

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Further information: [www.blauer-engel.de](http://www.blauer-engel.de)