

## Elements of the Database

### KarLA supports your work with:

- **Immission data** regarding
  - Noise
  - Whole-body-vibration (GKV)
  - Hand-arm-vibration (HAV)
- **Emission data** regarding
  - Noise
  - Noise (regarding 32 BImSchV)
  - Whole-body-vibration (GKV)
  - Hand-arm-vibration (HAV)
- **A substantial service-part** with
  - **Guidance and links regarding noise and vibration**, among others:
    - Up-to-date texts of acts and ordinances
    - Technical rules regarding the Noise and Vibrations Occupational Safety and Health Ordinance (TRLV), including risk tables for vibration
    - Guidance, including a comprehensive comment regarding the ordinance
    - Tools for risk assessment/ calculation of daily exposure (e. g. exposure calculator for GKV, HAV and noise, GKV calculator for earth-moving machines)
  - **Personalized e-mail service**  
(Your questions will be answered by experts.)
  - **Registering and forwarding of your conformity declaration according to 32. BImSchV**  
(with possible additional information, like picture files, link to homepage etc.)

## Maintenance of the Database



### Landesamt für Arbeitsschutz, Verbraucherschutz und Gesundheit (OSH Authority)

Headquarters and Central Division

Postanschrift: Postfach 90 02 36, 14438 Potsdam

Hausanschrift: Horstweg 57, 14478 Potsdam

Telefon: +49 331 8683-0

Telefax: +49 331 864335

Fax to E-Mail: 0331 27548-1800

E-Mail: [lavg.office@lavg.brandenburg.de](mailto:lavg.office@lavg.brandenburg.de)

Internet: <https://lavg.brandenburg.de>

### Imprint:

Landesamt für Arbeitsschutz, Verbraucherschutz und Gesundheit

Horstweg 57, 14478 Potsdam

Copyright of Pictures: Dr. Frank Koch, LAVG

Edition: Mai 2019

(32 BImSchV = Federal regulation on immission control)



[www.karla-info.de](http://www.karla-info.de)



## KarLA

Catalogue of representative noise and vibration data at work

Competent  
Interactive  
Comprehensive



## Possibilities of the Database

## Handling of the Database: <http://www.karla-info.de>

KarLA is an internet database which – among others – includes noise and vibration data of self-propelled working machines, tractors, lorries, forklifts, buses, ships, etc.

Such data are also listed for hand-held and hand-operated working machines, such as drilling machines and saws. The first version of the database was co-funded with the help of financial means of the European Commission.

The database can be used retrospectively (e. g. for the expert opinion in cases of occupational diseases) as well as preventively (for risk assessment in OSH).

According to the Noise and Vibrations Occupational Safety and Health Ordinance (LärmVibrationsArbSchV) employers are obliged to determine if employees are or could be exposed to noise and vibration at work. Dependent on the exposure level they have to take required measures, if necessary, apply working procedures and working appliances with a reduced load.

With the help of the database KarLA and if the machine type and the exposure time are known, the noise and vibration load - while using construction and agricultural vehicles, drilling hammers and chain saws and a lot of other working machines - can be calculated.

KarLA is an easily accessible source of information – for the assessment of load (noise level and vibration acceleration). Together with the load calculators and the other tools provided by Landesamt für Arbeitsschutz, Verbraucherschutz und Gesundheit (LAVG) KarLA offers a complex service for your risk assessment.

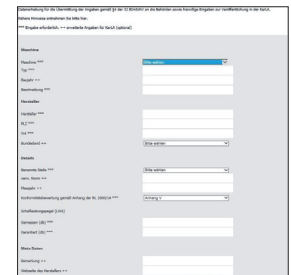
### 2 Select type of data (Emission, Immission, gemessen oder abgeleitet)



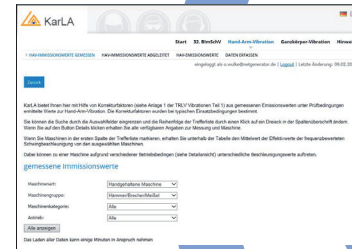
### 1 Select load type



### 7 If necessary - import specific values



### 3 Select machine type (HAV) and machine group

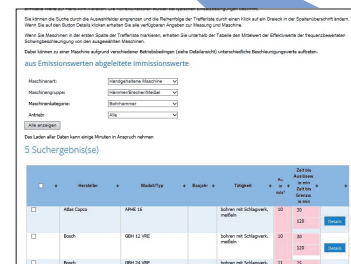


### 8 Get information about tools

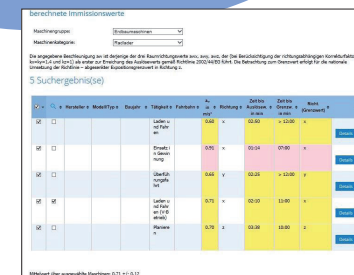


## Recommend it

### 4 Select machine category



### 5 Select machine type with specific values



### 6 Data are shown

