Appliances properties: LEDA Werk GmbH & Co. KG - KALA S ES 45

Master data

Date of entry	Dec 15, 2021
Manufacturer	LEDA Werk GmbH & Co. KG
Model	KALA S ES 45
Nominal heat output [kW]	9
Declared nominal space heating output [kW]	9
Continuous burning appliance	—
Type test standard	DIN EN 13229
Year of testing	2021
Test laboratory	RRF Rhein-Ruhr-Feuerstättenprüfstelle GmbH
Number of test laboratory	2
Number of test report	RRF - 29 09 5501

Flue gas values

	Wood
Flue gas mass flow [g/s]	7.8
Flue gas mass flow [g/s]	257
Necessary flue draught [Pa]	12

Further important characteristics of the appliance

Suitability for installation to a shared flue[1)]	✔
Connectivity to the central heating system	—
General technical approval for room sealed operation	—

[1)] For unsealed operation it is possible to install the appliances to a shared flue system (please see installation manual).

On behalf of the manufacturer, the HKI Industrieverband e.V. hereby confirms compliance with the respective requirements* in accordance with 1.BImSchV. The type test report of the fireplace has been submitted to the HKI Industrieverband e.V.

* A green check mark with a „1“ indicates that the requirements of the 1st BImSchV are fulfilled, a green check mark with a „2“ indicates that the 2nd level of the 1st BImSchV is fulfilled. A yellow check mark shows that the transitional regulation of the 1st BImSchV is fulfilled and a red line means that the 1st BImSchV is not fulfilled.

Evaluation of emission data and efficiency Wood

Norm : Inset appliances (with closed firedoor)	Evaluation
D - 1.BImSchV	✔ Stufe 2
A - Austrian regulation referred to Art 15a B-VG	✔ 2015
CH - Swiss clean air act	✔
DK - Danish regulation for air pollution from wood burners	✔
F - Crédit d'impôt à la transition énergétique	✔ 7★

Evaluation of emission data and efficiency Lignite briquettes

Norm : Inset appliances (with closed firedoor)	Evaluation
D - 1.BImSchV	!
DK - Danish regulation for air pollution from wood burners	!

Emission evaluation legend

Compliant with the requirements of the 2nd stage of the 1.BImSchV (only for Germany)

Compliant with the requirements of the 1st stage of the 1.BImSchV (only for Germany)

Compliant with the requirements of the Austrian Agreement pursuant to Art. 15a B-VG from 2015 (applies only to Austria)

Compliant with the requirements for the „Crédit d'impôt" promotion in France, the fireplace complies with the classification 7* of the Flamme Verte Label

Compliant with the requirements for the „Crédit d'impôt" promotion in France, the fireplace complies with the classification 6* of the Flamme Verte Label

Compliant with the requirements for the „Crédit d'impôt" promotion in France, the fireplace complies with the classification 5* of the Flamme Verte Label


Compliant with the requirements of the 1 star stage in Italy.


Compliant with the requirements of the 2 star stage in Italy.


Compliant with the requirements of the 3 star stage in Italy.


Compliant with the requirements of the 4 star stage in Italy.


Compliant with the requirements of the 5 star stage in Italy.


Fulfils the requirements


Complies with requirements of the transition ruling (1.BImSchV)

Requirements are not fulfilled

No information/unknown

No measuring values are available for this fuel, operation with this fuel is not permitted

No symbol means that there are no requirements.

Here you will find further information