



Appliances properties: Oranier Heiztechnik GmbH - Astra Wärme Plus - 8177 37

Master data

| | |
|---|---|
| Date of entry | Nov 7, 2012 |
| Manufacturer | Oranier Heiztechnik GmbH |
| Model | Astra Wärme Plus |
| Product code | 8177 37 |
| Nominal heat output [kW] | 7 |
| Declared nominal space heating output [kW] | 7 |
| Continuous burning appliance |  |
| Type test standard | DIN EN 13240 |
| Year of testing | 2012 |
| Test laboratory | Strojirensky Zkusebni Ustav s.p. |
| Number of test laboratory | 19 |
| Number of test report | 30-11543/1 |

Flue gas values

| | Wood |
|------------------------------------|------|
| Flue gas mass flow [g/s] | 6 |
| Flue gas mass flow [g/s] | 300 |
| Necessary flue draught [Pa] | 12 |

Further important characteristics of the appliance

Suitability for installation to a shared flue¹⁾



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 DIN EN 13240 (Intermittent burning): Roomheater with flat-layer firing | Evaluation |
|---|--------------|
| D - 1.BImSchV | ✓ Stufe 2 |
| A - Austrian regulation referred to Art 15a B-VG | ✓ |
| 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 DIN EN 13240 (Intermittent burning): Roomheater with flat-layer firing | Evaluation |
|---|------------|
| D - 1.BImSchV | ! |
| DK - Danish regulation for air pollution from wood burners | ! |

- 
Stufe 2 Compliant with the requirements of the 2nd stage of the 1.BImSchV (only for Germany)
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Stufe 1 Compliant with the requirements of the 1st stage of the 1.BImSchV (only for Germany)
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2015 Compliant with the requirements of the Austrian Agreement pursuant to Art. 15a B-VG from 2015 (applies only to Austria)
- 
7★ Compliant with the requirements for the „Crédit d'impôt“ promotion in France, the fireplace complies with the classification 7* of the Flamme Verte Label
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6★ Compliant with the requirements for the „Crédit d'impôt“ promotion in France, the fireplace complies with the classification 6* of the Flamme Verte Label
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5★ Compliant with the requirements for the „Crédit d'impôt“ promotion in France, the fireplace complies with the classification 5* of the Flamme Verte Label
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★ Compliant with the requirements of the 1 star stage in Italy.
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★★ 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