

This test report is also issued in a German version. In any case of doubts the German version is binding.
In this test report a comma is used as a decimal separator.



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Test report no. H-A 1240-03/15

supplementary to test report no. H-A 1240-02/13 dated 2013-10-04

Heating boiler for solid fuels type: LogWIN ... Premium or LWP

Customer: Windhager Zentralheizung Technik GmbH
Anton-Windhager-Strasse 20
5201 SEEKIRCHEN, ÖSTEREICH

Date: 2015-07-09

Our reference:
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**Designation of interpolated values of not on performance requirements
tested intermediate sizes LogWIN 250 Premium or LWP 250 and
LogWIN 360 Premium or LWP 360**

The heating boilers LogWIN 250 Premium or LWP 250 and LogWIN 360 Premium or LWP 360 are not on boiler performance tested intermediate sizes according to EN 303-5, clause 5.1.4. The manufacturer determined interpolated values which are documented in enclosure A1 of this test report together with the values of the tested heating boilers.

A test on plausibility on the interpolated values was carried out on the basis of the measured values as tested and documented in report no. H-A 1240-02/13. The test on plausibility on the interpolated values by the manufacturer shows a positive result.

The results of the test, whose evaluation and the measures arising from are documented in the above given test report and the including reports on partial tests.

According to the Summarised Validation the heating boiler range including the different models fulfils the requirements of EN 303-5:1999-06, clauses 4.1.1, 4.1.2 to 4.1.5.10, 4.1.5.11.2b, 4.1.5.12, 4.1.5.13, 4.1.5.14, 4.1.5.15, 4.1.5.16, 4.2, 5.4 and 7.1.

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The test results refer exclusively
to the units under test.

Feuerungs- und Wärmetechnik
Prüfbereich Wärmetechnik

Johannes Steiglechner
Leiter
Feuerungs- und Wärmetechnik

The expert

Uwe Schlosser

Enclosure:

A1



Enclosure A1

Heating boiler range, type LogWIN ... Premium or LWP

| Heating boiler Models/Sizes | Fuel ¹⁾ | Nominal Heat output kW | Necessary flue gas draught Pa | Flue gas temperature °C | Efficiency η % | Emission values ²⁾ | | | |
|------------------------------------|--------------------|----------------------------------|--|-----------------------------------|-----------------------------------|-------------------------------|--|--|--------------------------------|
| | | | | | | CO mg/m ³ | NO _x mg/m ³ | C _x H _y mg/m ³ | Staub mg/m ³ |
| 180 | A | 17,4 | 10 | 105 | 91,5 | 271 | 126 | 7 | 30 |
| | | 13,4 | | 97 | 91,2 | 601 | 130 | 14 | 19 |
| 250 ³⁾ | A | 25,0 | 10 | 126 | 91,8 | 176 | 164 | 5 | 25 |
| | | 13,4 | | 97 | 91,2 | 601 | 130 | 14 | 19 |
| 300 | A | 29,9 | 15 | 143 | 92,0 | 96 | 196 | 4 | 20 |
| | | 13,4 | | 97 | 91,2 | 601 | 130 | 14 | 19 |
| 360 ³⁾ | A | 35,6 | 20 | 151 | 91,5 | 104 | 192 | 4 | 21 |
| | | 23,7 | | 109 | 91,6 | 256 | 161 | 4 | 27 |
| 500 | A | 49,9 | 20 | 175 | 90,1 | 130 | 179 | 2 | 24 |
| | | 23,7 | | 109 | 91,6 | 256 | 161 | 4 | 27 |

- 1) A: Log wood B1: Chipped wood (water content 15 to 35 %) C1: Compressed wood Pellets (6 mmØ) D: Sawdust
 2) related to 10 % O₂ in flue gas
 3) not tested intermediate size, data given by manufacturer