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The confirmation letter for the data of type testing of automatic pellet boiler „MC 20“ („AC 20“)

Number K94 – 179 - 2020

This letter affirms the data of the initial tests for automatic pellet boiler „MC 20“ and on base of the Declaration of conformity issued by producer „KEPO“ d.o.o. on 01.01.2020 for automatic pellet boiler „AC 20“.

The difference between „MC 20“ model and „AC 20“ model is that the cleaning of the burning retort for „MC 20“ model is manually and for „AC 20“ model is mechanically.

Producer: „KEPO“ d.o.o., „Tulimira Divca“ 11, Kosjerić, Serbia

This letter refers only to product detailed in Test report No SFB-02-2017 / 05.05.2017, issued by „Kontrol 94“ Ltd.

Test Specification: EN 303-5:2012.

The specific eco-design requirements for solid fuel boilers under **Regulation (EU) 2015/1189.**

Boiler Type: an automatic stoked pellet boiler.

| Model boiler: „MC 20“ („AC 20“) | | | |
|--|-------------------|--|------------------------|
| Class boiler: 5 | | | |
| | Unit | The mean values of measured data | |
| | | Nominal heating output | Reduced heating output |
| Fuel | - | Wood pellets – Class A1 „Schweighofer“ | |
| The heat input | kW | 20,77 | 6,26 |
| The heat output (indirect / direct method) | kW | 18,44 / 18,38 | 5,79 / 5,73 |
| The mean CO at 10%O ₂ | mg/m ³ | 63 | 145 |
| The mean OGC at 10%O ₂ | mg/m ³ | 19,07 | 19,94 |
| The mean value of dust at 10%O ₂ | mg/m ³ | 16,1 | 26,3 |
| The mean NOx at 10%O ₂ | mg/m ³ | 168,12 | 146,67 |
| Efficiency (indirect / direct method) | % | 88,77 / 88,45 | 92,51 / 91,52 |

Specific eco design requirements for solid fuel boilers under Regulation (EU) 2015/1189

| Seasonal space heating emissions | Unit | Limits | Average | O ₂ emission | Fuel |
|---|----------------------|--------|---------|-------------------------|--------------------------------------|
| The seasonal value of dust in the flue gas | mg/m ³ | ≤40 | 24,8 | 10%O ₂ | wood pellets Class A1 „Schweighofer“ |
| The seasonal value of CO | mg/m ³ | ≤500 | 133 | | |
| The seasonal value of OGC | mg/m ³ | ≤20 | 19,81 | | |
| The seasonal value of NOx | mg/m ³ | ≤200 | 149,89 | | |
| The seasonal space heating emission η_{son} | % | - | 91,06 | | |
| The seasonal space heating energy efficiency η_s | % | ≥77 | 82,53 | | |
| The energy efficiency index (EEI) | % | 124 | | | |
| Energy efficiency class | A⁺ | | | | |

The company: „KEPO“ d.o.o., „Tulimira Divca“ 11, Kosjerić, Serbia, must respect the requirements of the EN 303-5:2012 and Regulation (EU) 2015/1189 for all produced „MC 20“ („AC 20“) boilers:

The Applicant has to inform us about any modification made or planned to be above-mentioned products.

Issue date: 19.05.2020

Valid until: 18.05.2022

„Kontrol 94“ Ltd:
/ Dipl. Eng. Goran Gadjonov /