

Contact details of the manufacturer

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| Manufacturer: | RIKA Innovative Ofentechnik GmbH |
| Contact: | Andreas Bloderer |
| Address: | Müllerviertel 20 4563 Micheldorf Austria |

Details of the device

| | |
|---|--|
| Model Identifier: | STEP |
| Equivalent models: | - |
| Notified body: | Technische Universität Wien, Getreidemarkt 9/166, 1060 Wien, Austria |
| Notified body no.: | 1746 |
| Test report no.: | PL-17015-P |
| Applied harmonised standards: | EN13240:2001/A2:2004/AC:2007 |
| Other applied standards/technical specifications: | - |
| Indirect heating functionality: | Nein |
| Direct heat output: | 8 kW |
| Indirect heat output: | - |

Characteristics when operating with the preferred fuel

| | |
|--|--------|
| Seasonal space heating energy efficiency η_s : | 71,9 % |
| Seasonal space heating energy efficiency RIKATRONIC η_s : | - |
| Energy Efficiency Index: | 109 |
| Energy Efficiency Index RIKATRONIC: | - |

Special precautions for assembly, installation or maintenance

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|---|
| <p>Fire protection and safety distances such as distances to combustible building materials must be observed!</p> <p>An adequate supply of combustion air for the appliance must be guaranteed at all times. Air-suction systems can interfere with the combustion air supply!</p> <p>The flue gas values of the appliance must be observed for the chimney dimensioning!</p> |
|---|

Characteristics when operating exclusively with the preferred fuel

| | | | |
|--|-----------------|------|----|
| Heat output | | | |
| Nominal heat output | P_{nom} | 8 | kW |
| Minimum heat output | P_{min} | 4 | kW |
| Useful efficiency | | | |
| Useful efficiency at nominal heat output | $\eta_{th,nom}$ | 81,9 | % |
| Useful efficiency at minimum heat output | $\eta_{th,min}$ | 80,5 | % |
| Auxiliary electricity consumption* | | | |
| At nominal heat output | $e_{l,max}$ | n.A. | kW |
| At minimum heat output | $e_{l,min}$ | n.A. | kW |
| In standby mode | $e_{l,SB}$ | n.A. | kW |
| Permanent pilot flame power requirement | | | |
| Pilot flame power requirement | P_{pilot} | n.A. | kW |

*RIKATRONIC

| Type of heat output/room temperature control | |
|---|-----|
| single stage heat output, no room temperature control | Yes |
| two or more manual stages, no room temperature control (**) | No |
| with mechanic thermostat room temperature control (**) | No |
| with electronic room temperature control (**) | No |
| with electronic room temperature control plus day timer (**) | No |
| with electronic room temperature control plus week timer (**) | No |
| Room temperature control with presence detection (**) | No |
| Room temperature control with open window detection (**) | No |
| with remote control options (**) | No |

Details of the fuel

| Fuel | Preferred fuel: | Other suitable fuel: | η_s [%] | Space heating emissions at nominal heat output (*) | | | | Space heating emissions at minimum heat output (*)(**) | | | |
|---|-----------------|----------------------|--------------|--|-----|-----|-----------------|--|-----|----|-----------------|
| | | | | PM | OGC | CO | NO _x | PM | OGC | CO | NO _x |
| | | | | mg/Nm ³ (13% O ₂) | | | | mg/Nm ³ (13% O ₂) | | | |
| Wood logs, moisture content ≤ 25 % | Yes | No | 71,9 | 21 | 25 | 677 | 107 | - | - | - | - |
| Wood logs RIKATRONIC, moisture content ≤ 25 % | No | No | - | - | - | - | - | - | - | - | - |
| Compressed wood, moisture content < 12 % | No | No | - | - | - | - | - | - | - | - | - |
| Other woody biomass | No | No | - | - | - | - | - | - | - | - | - |
| Non-woody biomass | No | No | - | - | - | - | - | - | - | - | - |
| Anthracite and dry steam coal | No | No | - | - | - | - | - | - | - | - | - |
| Hard coke | No | No | - | - | - | - | - | - | - | - | - |
| Low temperature coke | No | No | - | - | - | - | - | - | - | - | - |
| Bituminous coal | No | No | - | - | - | - | - | - | - | - | - |
| Lignite briquettes | No | No | - | - | - | - | - | - | - | - | - |
| Peat briquettes | No | No | - | - | - | - | - | - | - | - | - |
| Blended fossil fuel briquettes | No | No | - | - | - | - | - | - | - | - | - |
| Other fossil fuel | No | No | - | - | - | - | - | - | - | - | - |
| Blended biomass and fossil fuel briquettes | No | No | - | - | - | - | - | - | - | - | - |
| Other blend of biomass and solid fuel | No | No | - | - | - | - | - | - | - | - | - |

(*) PM = dust, OGC = gaseous organic compounds, CO = carbon monoxide, NO_x = nitrous gases

(**) Only required when applying correction factors F(2) or F(3)

Signed for and on behalf of the manufacturer by:
Andreas Bloderer / product management

Micheldorf, 16.12.2021

RIKA[®]

Innovative Ofentechnik GmbH
A-4563 Micheldorf, Müllerviertel 20
Tel.: +43 (0)7582/686-14, Fax DW: -43
www.rika.at

Andreas Bloderer

In case of doubt as well as missing or incorrect translations, the German version is the only valid one.

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