

Table 1

Model identifier(s): OPAL

| | | |
|--|-----------------------------|----|
| Notified Body: | Teknologisk Institut (1235) | |
| Indirect heating functionality: (yes/No) | No | |
| Direct heat output | 5.8 | kW |
| Indirect heat output: | N.A. | kW |
| Energieeffektivitetsindeks (EEI) | 106 | |
| Test Report | 300-ELAB-2324-EN | |
| Test Standard | EN16510 | |



Date: 22-08-2025

| Fuel | Preferred fuel (only one): | Other suitable fuels(s): | seasonal space heating energy efficiency η_s [%]: | Space heating emissions at nominal heat output(*) | | | | Space heating emissions at minimum heat output(*)(**) | | | |
|--|----------------------------|--------------------------|--|---|-----|------|-----|---|-----|----|-----|
| | | | | PM | OGC | CO | NOx | PM | OGC | CO | NOx |
| | | | | [x] mg/Nm3 (13 % O2) | | | | [x] mg/Nm3 (13 % O2) | | | |
| Wood logs with moisture content ≤ 25 % | yes | no | 70 | 11 | 51 | 1143 | 92 | NA | NA | NA | NA |
| Compressed wood with 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 = particulate matter, OGCs = organic gaseous compounds, CO = carbon monoxide, NOx = nitrogen oxides (**) Only required if correction factors F(2) or F(3) are applied.

Characteristics when operating with the preferred fuel only

| Item | Symbol | Value | Unit |
|------|--------|-------|------|
|------|--------|-------|------|

Heat output

| | | | |
|----------------------------------|-----------|-----|----|
| Nominal heat output | P_{nom} | 5.8 | kW |
| Minimum heat output (indicative) | P_{min} | NA | kW |

Auxiliary electricity consumption

| | | | |
|------------------------|------------|----|----|
| At nominal heat output | e_{lmax} | NA | kW |
| At minimum heat output | e_{lmin} | NA | kW |
| In standby mode | e_{lSB} | NA | kW |

Permanent pilot flame power requirement

| | | | |
|---|-------------|----|----|
| Pilot flame power requirement (if applicable) | P_{pilot} | NA | kW |
|---|-------------|----|----|

Contact details Rais A/S, Industrivej 20, 9900 Frederikshavn, Denmark

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Phone +45 98 47 90 33

| Item | Symbol | Value | Unit |
|------|--------|-------|------|
|------|--------|-------|------|

Useful efficiency (NCV as received)

| | | | |
|--|-----------------|----|---|
| Useful efficiency at nominal heat output | $\eta_{th,nom}$ | 80 | % |
| Useful efficiency at minimum heat output | $\eta_{th,min}$ | NA | % |

Type of heat output/room temperature control (select one)

| | |
|---|----|
| single stage heat output, no room temperature control | NO |
| 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 |
| Other control options (multiple selections possible) | |
| room temperature control, with presence detection | NO |
| room temperature control, with open window detection | NO |
| with distance control option | NO |