



**ECODESIGN REQUIREMENTS FOR SOLID FUEL BOILERS  
ACCORDING TO COMMISSION REGULATION (EU) 2015/1189 IMPLEMENTING  
DIRECTIVE 2009/125/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**

| <b>Model identifier:</b>                             |                            | COMPACT S24 EVO  |               |   |     |     |                 |
|--|----------------------------|--|---------------|---|-----|-----|-----------------|
| <b>Stoking mode:</b>                                 |                            | Automatic: it is recommended that the boiler be operated with a hot storage tank volume of at least 408 (**) litre |               |   |     |     |                 |
| <b>Condensing boiler:</b>                            |                            | No   |               |   |     |     |                 |
| <b>Solid fuel cogeneration boiler:</b>               |                            | no   |               | <b>Combination boiler:</b>              |     | no  |                 |
| Fuel   | Preferred fuel (only one): | Other suitable fuel(s):  | $\eta_s$ [%]: | Seasonal space heating emissions (****) |     |     |                 |
|  |                            |  |               | PM                                      | OGC | CO  | NO <sub>x</sub> |
|  |                            |  |               | mg/m <sup>3</sup>                       |     |     |                 |
| Log wood, moisture content ≤ 25 %                    | no                         | no   |               |   |     |     |                 |
| Chipped wood, moisture content 15-35 %               | no                         | no   |               |   |     |     |                 |
| Chipped wood, moisture content > 35 %                | no                         | no   |               |   |     |     |                 |
| Compressed wood in the form of pellets or briquettes | yes                        | no   | 79            | 19                                      | 11  | 366 | 148             |
| Sawdust, moisture content ≤ 50 %                     | no                         | no   |               |   |     |     |                 |
| Non-woody biomass                                    | no                         | no   |               |   |     |     |                 |
| Bituminous coal                                      | no                         | no   |               |   |     |     |                 |
| Brown coal (including briquettes)                    | no                         | no   |               |   |     |     |                 |
| Coke   | no                         | no   |               |   |     |     |                 |
| Anthracite   | no                         | no   |               |   |     |     |                 |
| Blended fossil fuel briquettes                       | no                         | no   |               |   |     |     |                 |
| Other fossil fuel                                    | no                         | no   |               |   |     |     |                 |
| Blended biomass (30-70 %) / fossil fuel briquettes   | no                         | no   |               |   |     |     |                 |
| Other blend of biomass and fossil fuel               | no                         | no   |               |   |     |     |                 |





**Characteristics when operating with the preferred fuel only:**

| Item   | Symbol        | Value      | Unit |  | Item  | Symbol     | Value | Unit |
|--|---------------|------------|------|--|---|------------|-------|------|
| Useful heat output   |               |            |      |  | Useful efficiency   |            |       |      |
| At rated heat output                                       | $P_n$         | 20,4 (***) | kW   |  | At rated heat output  | $\eta_n$   | 85,3  | %    |
| At [30 %/50 %] of rated heat output, if applicable         | $P_p$         | 5,5        | kW   |  | At [30 %/50 %] of rated heat output, if applicable                    | $\eta_p$   | 81,6  | %    |
| For solid fuel cogeneration boilers: Electrical efficiency |               |            |      |  | <b>Auxiliary electricity consumption</b>                              |            |       |      |
|  |               |            |      |  | At rated heat output  | $el_{max}$ | 0,070 | kW   |
|  |               |            |      |  | At [30 %/50 %] of rated heat output, if applicable                    | $el_{min}$ | 0,050 | kW   |
| At rated heat output                                       | $\eta_{el,n}$ | N.A.       | %    |  | Of incorporated secondary emission abatement equipment, if applicable |            | N.A.  | kW   |
|  |               |            |      |  | In standby mode   | $P_{SB}$   | 0,004 | kW   |

| Contact details   | Name and address of the manufacturer or its authorised representative      |
|---|--|
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(\*\*) Tank volume =  $20 \times P_r$  with  $P_r$  indicated in kW

(\*\*\*) For the preferred fuel  $P_n$  equals  $P_r$

(\*\*\*\*) PM = particulate matter, OGC = organic gaseous compounds, CO = carbon monoxide, NOx = nitrogen oxides

Approved by  
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