



**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 S26 EVO5 , COMPACT S26 GT5   |               |   |     |     |                 |
|--|----------------------------|--|---------------|---|-----|-----|-----------------|
| <b>Stoking mode:</b>                                 |                            | Automatic: it is recommended that the boiler be operated with a hot storage tank volume of at least 488 (**) 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   | 81,5          | 15                                      | 7   | 274 | 132             |
| 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                                       | $P_n$         | 24,4 (***) | kW   | At rated heat output  | $\eta_n$      | 87,1  | %    |
| At [30 %/50 %] of rated heat output, if applicable         | $P_p$         | 5,9        | kW   | At [30 %/50 %] of rated heat output, if applicable                    | $\eta_p$      | 84,9  | %    |
| For solid fuel cogeneration boilers: Electrical efficiency |               |            |      | <b>Auxiliary electricity consumption</b>                              |               |       |      |
| At rated heat output                                       |               |            |      | At rated heat output  | $e_{l_{max}}$ | 0,045 | kW   |
|  |               |            |      | At [30 %/50 %] of rated heat output, if applicable                    | $e_{l_{min}}$ | 0,018 | kW   |
|  |               |            |      | Of incorporated secondary emission abatement equipment, if applicable |               | N.A.  | kW   |
|  | $\eta_{el,n}$ | N.A.       | %    | In standby mode   | $P_{SB}$      | 0,003 | kW   |

| Contact details  | Name and address of the manufacturer or its authorised representative |
|--|---|
| +39 0445 741310<br>+39 0445 741657<br>info@thermorossi.it<br>www.thermorossi.com | THERMOROSSI S.p.A.<br>Via Grumulo, 4 - 36011 Arsiero (VI) - IT        |

(\*\*) 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

**Notes:**

|      |     |
|------|-----|
| F(1) | 3   |
| F(2) | 0,7 |
| F(3) | 0   |

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Approved by  
**Maurizio Lorenzon**  
Industry Division Manager

