VOUGE COMBINATION BOILER
Ideal Boilers
ERP DATA

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>UNITS</th>
<th>MODEL</th>
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<tbody>
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- Condensing boiler: Yes
- Seasonal Space heating efficiency class: A
- Rated heat output: kW 18 24
- Seasonal space heating energy efficiency: \( \eta_{\text{ren}} \)% 93*
- Annual energy consumption: Q_{\text{ref}} GJ 55.7 80.9 90.1
- Sound power level, indoors: \( L_{\text{WA}} \) dB 50 51
- Water heating energy efficiency class: A

Seasonal Space Heating Energy Efficiency of the Boiler

Temperature control (from fiche of temperature control)

<table>
<thead>
<tr>
<th>Class I</th>
<th>Class II</th>
<th>Class III</th>
<th>Class IV</th>
<th>Class V</th>
<th>Class VI</th>
<th>Class VII</th>
<th>Class VIII</th>
</tr>
</thead>
<tbody>
<tr>
<td>1%</td>
<td>2%</td>
<td>1.5%</td>
<td>2%</td>
<td>3%</td>
<td>4%</td>
<td>5.5%</td>
<td>5%</td>
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Solar Contribution (from fiche of solar device)

Collector Size (in m²)
Tank Volume (in m³)
Collector Efficiency (in %)
Tank rating
\( A^* = 0.95 \)
A = 0.91
B = 0.86
C = 0.83
D-G = 0.81

\[ \text{Collector Size} = (\text{III} \times \text{IV}) \times 0.9 \times (\text{Collector Efficiency}) \times 100 \times \text{Tank Volume} = \text{Collector Size} \]

Seasonal Space Heating Energy Efficiency of Package

TOTAL: \( A + B + C = \) %

Seasonal Space Heating Energy Efficiency Class of Package

- G < 30%
- F ≥ 30%
- E ≥ 34%
- D ≥ 36%
- C ≥ 75%
- B ≥ 82%
- A ≥ 90%
- A+ ≥ 98%
- A++ ≥ 125%
- A+++ ≥ 150%

The energy efficiency of the package of products provided for in this document may not correspond to its actual energy efficiency once installed in a building, as the efficiency is influenced by further factors such as heat loss in the products in relation to the building size and its characteristics.