1. Plant Information:
   Plant Name: ALT1 - Hot Water Boiler Plant
   Plant Type: Hot Water Boiler Plant
   Design Weather: Lisbon, Portugal

2. Heating Plant Sizing Data:
   Maximum Plant Load: 31.7 kW
   Load occurs at: Winter Design
   W/m²: 48.1 W/m²
   Floor area served by plant: 658.7 m²

3. Coincident Air System Heating Loads for Winter Design

<table>
<thead>
<tr>
<th>Air System Name</th>
<th>Mult.</th>
<th>System Heating Coil Load (kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTAN ESP.</td>
<td>1</td>
<td>1.4</td>
</tr>
<tr>
<td>UTAN GERAL + VE</td>
<td>1</td>
<td>30.3</td>
</tr>
</tbody>
</table>

System loads are for coils whose heating source is 'Hot Water'.

Hourly Analysis Program v4.61