

## 12 Appendix

### 12.1 Product fiche - Boiler space heaters

Tab.10 Product fiche for boiler space heaters

<b>Baxi System</b>		<b>15</b>	<b>18</b>	<b>24</b>	<b>24 LPG</b>
Seasonal space heating energy efficiency class		<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>
Rated heat output ( <i>Prated or Psup</i> )	kW	15	18	24	24
Seasonal space heating energy efficiency	%	93	93	93	93
Annual energy consumption	GJ	46	56	74	74
Sound power level $L_{WA}$ indoors	dB	46	48	51	51

**See**

For specific precautions about assembling, installing and maintaining: Safety, page 5

## 12.2 Package fiche - boilers

Fig. 14 Package fiche for boilers indicating the space heating energy efficiency of the package

<b>Seasonal space heating energy efficiency of boiler</b>		① [ ] %																														
<b>Temperature control</b> from fiche of temperature control	Class I = 1%, Class II = 2%, Class III = 1.5%, Class IV = 2%, Class V = 3%, Class VI = 4%, Class VII = 3.5%, Class VIII = 5%	② + [ ] %																														
<b>Supplementary boiler</b> from fiche of boiler	Seasonal space heating energy efficiency (in %)  ( [ ] - 'I' ) x 0.1 = ± [ ] %	③ [ ] %																														
<b>Solar contribution</b> from fiche of solar device	<div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 2px;">Collector size (in m<sup>2</sup>)</div> <div style="border: 1px solid black; padding: 2px;">Tank volume (in m<sup>3</sup>)</div> <div style="border: 1px solid black; padding: 2px;">Collector efficiency (in %)</div> <div style="border: 1px solid black; padding: 2px;">           Tank rating <sup>(1)</sup>            A* = 0.95, A = 0.91,            B = 0.86, C = 0.83,            D - G = 0.81         </div> </div> ( 'III' x [ ] + 'IV' x [ ] ) x 0.9 x ( [ ] / 100 ) x [ ] = + [ ] %	④ [ ] %																														
<b>Supplementary heat pump</b> from fiche of heat pump	Seasonal space heating energy efficiency (in %)  ( [ ] - 'I' ) x 'II' = + [ ] %	⑤ [ ] %																														
<b>Solar contribution AND Supplementary heat pump</b> select smaller value	0.5 x [ ] OR 0.5 x [ ] = - [ ] %	⑥ [ ] %																														
<b>Seasonal space heating energy efficiency of package</b>		⑦ [ ] %																														
<b>Seasonal space heating energy efficiency class of package</b> <table border="1" style="width: 100%; text-align: center;"> <tbody> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><b>G</b></td> <td><b>F</b></td> <td><b>E</b></td> <td><b>D</b></td> <td><b>C</b></td> <td><b>B</b></td> <td><b>A</b></td> <td><b>A*</b></td> <td><b>A**</b></td> <td><b>A***</b></td> </tr> <tr> <td>&lt;30%</td> <td>≥30%</td> <td>≥34%</td> <td>≥36%</td> <td>≥75%</td> <td>≥82%</td> <td>≥90%</td> <td>≥98%</td> <td>≥125%</td> <td>≥150%</td> </tr> </tbody> </table>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>G</b>	<b>F</b>	<b>E</b>	<b>D</b>	<b>C</b>	<b>B</b>	<b>A</b>	<b>A*</b>	<b>A**</b>	<b>A***</b>	<30%	≥30%	≥34%	≥36%	≥75%	≥82%	≥90%	≥98%	≥125%	≥150%
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<b>G</b>	<b>F</b>	<b>E</b>	<b>D</b>	<b>C</b>	<b>B</b>	<b>A</b>	<b>A*</b>	<b>A**</b>	<b>A***</b>																							
<30%	≥30%	≥34%	≥36%	≥75%	≥82%	≥90%	≥98%	≥125%	≥150%																							
<b>Boiler and supplementary heat pump installed with low temperature heat emitters at 35°C ?</b> from fiche of heat pump		⑦ [ ] + ( 50 x 'II' ) = [ ] %																														

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

- I The value of the seasonal space heating energy efficiency of the preferential space heater, expressed in %.
- II The factor for weighting the heat output of preferential and supplementary heaters of a package as set out in the following table.
- III The value of the mathematical expression:  $294/(11 \cdot \text{Prated})$ , whereby 'Prated' is related to the preferential space heater.
- IV The value of the mathematical expression  $115/(11 \cdot \text{Prated})$ , whereby 'Prated' is related to the preferential space heater.

Tab.11 Weighting of boilers

<b>Psup / (Prated + Psup)<sup>(1)(2)</sup></b>	<b>II, package without hot water storage tank</b>	<b>II, package with hot water storage tank</b>
0	0	0
0.1	0.3	0.37
0.2	0.55	0.70
0.3	0.75	0.85
0.4	0.85	0.94
0.5	0.95	0.98
0.6	0.98	1.00
≥ 0.7	1.00	1.00

(1) The intermediate values are calculated by linear interpolation between the two adjacent values.  
 (2) Prated is related to the preferential space heater or combination heater.

Tab.12 Package efficiency

<b>Baxi System</b>		<b>15</b>	<b>18</b>	<b>24</b>	<b>24 LPG</b>
Temperature control X	%				
Temperature control Y	%				