

## 14 Appendix

### 14.1 Product fiche - Combination boilers

Product fiche for boiler space heaters

<b>Baxi 800 System 2</b>		<b>818</b>	<b>824</b>	<b>830</b>
Seasonal space heating energy efficiency class		<b>A</b>	<b>A</b>	<b>A</b>
Rated heat output ( <i>Prated or Psup</i> )	kW			
Seasonal space heating energy efficiency	%			
Annual energy consumption	kWh GJ			
Sound power level $L_{WA}$ indoors	dB			



**See**

For specific precautions about assembling, installing and maintaining consult the relevant section as detailed on the Contents page.

## 14.2 Package fiche - boilers

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

### Seasonal space heating energy efficiency of boiler

①

'I'

 %

### Temperature control

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

+

 %

### Supplementary boiler

from fiche of boiler

Seasonal space heating energy efficiency (in %)

③

$$(\text{[ ]} - \text{'I'}) \times 0.1 = \pm \text{[ ]} \%$$

### Solar contribution

from fiche of solar device

Collector size (in m<sup>2</sup>)

Tank volume (in m<sup>3</sup>)

Collector efficiency (in %)

Tank rating <sup>(1)</sup>  
 A\* = 0.95, A = 0.91,  
 B = 0.86, C = 0.83,  
 D - G = 0.81

$$(\text{'III'} \times \text{[ ]} + \text{'IV'} \times \text{[ ]}) \times 0.9 \times (\text{[ ]} / 100) \times \text{[ ]} = + \text{[ ]} \%$$

(1) If tank rating is above A, use 0.95

### Supplementary heat pump

from fiche of heat pump

Seasonal space heating energy efficiency (in %)

⑤

$$(\text{[ ]} - \text{'I'}) \times \text{'II'} = + \text{[ ]} \%$$

### Solar contribution AND Supplementary heat pump

select smaller value

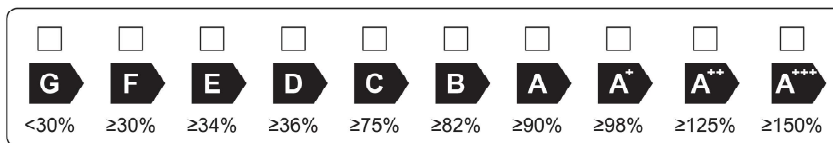
$$0.5 \times \text{[ ]} \text{ OR } 0.5 \times \text{[ ]} = - \text{[ ]} \%$$

### Seasonal space heating energy efficiency of package

⑦

 %

### Seasonal space heating energy efficiency class of package



### Boiler and supplementary heat pump installed with low temperature heat emitters at 35°C ?

from fiche of heat pump

⑦

$$\text{[ ]} + (50 \times \text{'II'}) = \text{[ ]} \%$$

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.

## Weighting of boilers

$P_{sup} / (P_{rated} + P_{sup})^{(1)(2)}$	II, package without hot water storage tank	II, package with hot water storage tank
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
$\geq 0.7$	1.00	1.00

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

## Package efficiency

<b>Baxi 800 System 2</b>		<b>818</b>	<b>824</b>	<b>830</b>
Temperature control X	%			
Temperature control Y	%			



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