## Product fiche for combination boilers

Baxi Platinium + 40 Combi		
Space heating - Temperature application		Medium
Water heating - Declared load profile		XL
Seasonal space heating energy efficiency class		Α
Water heating energy efficiency class		Α
Rated heat output (Prated or Psup)	kW	32
Space heating - Annual energy consumption	kWh GJ	27826 100
Water heating - Annual energy consumption	kWh (1) GJ (2)	23 18
Seasonal space heating energy efficiency	%	92
Water heating energy efficiency	%	84
Sound power level L <sub>WA</sub> indoors	dB	50

<sup>(1)</sup> Electricity (2) Fuel

Package fiche for boilers indicating the space heating e	energy efficiency of the package	
Seasonal space heating energy efficiency of boiler		
Temperature control	Class I = 1%, Class II = 2%, Class III = 1.5%,	
from fiche of temperature control	Class IV = 2%, Class V = 3%, Class VI = 4%,	1.

% Supplementary boiler

Seasonal space heating energy efficiency (in %) (3) from fiche of boiler '1') x 0.1 = ± %

(1) Tank rating from fiche of solar device  $A^* = 0.95, A = 0.91,$ Collector size (in m²) Tank volume (in m³) Collector efficiency (in B = 0.86, C = 0.83,%) D - G = 0.81(4) ʻIV' x ('III' x % **/100)** Х  $0.9 \times ($ 

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



Solar contribution AND Supplementary heat pump

Solar contribution

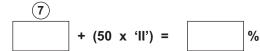
(5) select smaller value 0.5 x OR 0.5 x

% Seasonal space heating energy efficiency of package



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

from fiche of heat pump



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.

AD-3000743-01

(1)

(2)

**(6)** 

%

%

- ı The value of the seasonal space heating energy efficiency of the preferential space heater, expressed in %.
- The factor for weighting the heat output of preferential and supple Ш mentary heaters of a package as set out in the following table.

### Package Fiche - Boilers (cont)

- The value of the mathematical expression: 294/(11 · Prated), whereby 'Prated' is related to the preferential space heater.
- IV The value of the mathematical expression 115/(11 · Prated), whereby 'Prated' is related to the preferential space heater.

### Weighting of boilers

Psup / (Prated + Psup) <sup>(1)(2)</sup>	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
≥ 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.

### Package efficiency

Baxi Platinium+ 40 Combi		
Temperature control X	%	
Temperature control Y	%	

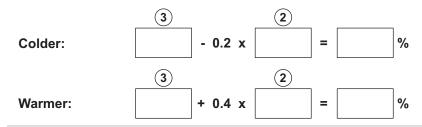
Package fiche for combination heaters (boilers or heat pumps) indicating the water heating energy efficiency of the package

Water heating energy efficiency of combination heater	·
Declared load profile:	
Solar contribution	Auxiliary electricity
from fiche of solar device	(2)
	(1.1 x 'i' - 10%) x 'ii' - 'iii' - 'i' = + \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Water heating energy efficiency of package under ave	rage climate 3
	<u> </u>

# Water heating energy efficiency class of package under average climate



#### Water heating energy efficiency under colder and warmer climate conditions



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.

AD-3000747-01

- I The value of the water heating energy efficiency of the combination heater, expressed in %.
- II The value of the mathematical expression  $(220 \cdot Q_{ref})/Q_{nonsol}$ , where  $Q_{ref}$  is taken from Regulation EU 811/2013, Annex VII Table 15 and  $Q_{nonsol}$  from the product fiche of the solar device for the de clared load profile M, L, XL or XXL of the combination heater.
- III The value of the mathematical expression  $(Q_{aux} \cdot 2,5)/(220 \cdot Q_{ref})$ , expressed in %, where  $Q_{aux}$  is taken from the product fiche of the solar device and  $Q_{ref}$  from Regulation EU 811/2013, Annex VII Ta ble 15 for the declared load profile M, L, XL or XXL.