

Water heating energy efficiency of combination heater

¹
82.0 %

Declared load profile:

XL

Solar contribution

From fiche of solar device

Auxiliary electricity

$$(1,1 \times \text{'I'} - 10\%) \times 5.303427563521953 - \text{'I'} =$$

²
+ 35.0 %

Water heating energy efficiency of package under average climate

³
117.0 %

Water heating energy efficiency class of package under average climate

	G	F	E	D	C	B	A	A ⁺	A ⁺⁺	A ⁺⁺⁺
M	< 27 %	≥ 27 %	≥ 30 %	≥ 33 %	≥ 36 %	≥ 39 %	≥ 65 %	≥ 100 %	≥ 130 %	≥ 163 %
L	< 27 %	≥ 27 %	≥ 30 %	≥ 34 %	≥ 37 %	≥ 50 %	≥ 75 %	≥ 115 %	≥ 150 %	≥ 188 %
XL	< 27 %	≥ 27 %	≥ 30 %	≥ 35 %	≥ 38 %	≥ 55 %	≥ 80 %	≥ 123 %	≥ 160 %	≥ 200 %
XXL	< 28 %	≥ 28 %	≥ 32 %	≥ 36 %	≥ 40 %	≥ 60 %	≥ 85 %	≥ 131 %	≥ 170 %	≥ 213 %

Water heating energy efficiency under colder and warmer climate conditions

$$\text{Colder: } \overset{3}{117.0} - 0,2 \times \overset{2}{35.0} = \overset{3}{110.0} \%$$

$$\text{Warmer: } \overset{3}{117.0} + 0,4 \times \overset{2}{35.0} = \overset{3}{131.0} \%$$

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 the 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.