

Water heating energy efficiency of combination heater

¹
84.0 %

Declared load profile:

XL

Solar contribution

From fiche of solar device

Auxiliary electricity

$$(1,1 \times \text{'I'} - 10\%) \times 4.647947752300139 - \text{'I'} =$$

²
+ 89.0 %

Water heating energy efficiency of package under average climate

³
173.0 %

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

$$\text{Colder: } \overset{3}{173.0} - 0,2 \times \overset{2}{89.0} = \overset{3}{155.2} \%$$

$$\text{Warmer: } \overset{3}{173.0} + 0,4 \times \overset{2}{89.0} = \overset{3}{208.6} \%$$

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.