

# Product fiche

Delegated Regulation (EU) 811/2013

Seasonal space heating energy efficiency of heat pump

127 %

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 %

+ 4 %

Supplementary boiler

From fiche of boiler

Seasonal space heating energy efficiency (in %)

( - - 127 ) x 0 = - %

Solar contribution

From fiche of solar device

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

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

Collector efficiency  
(in %)

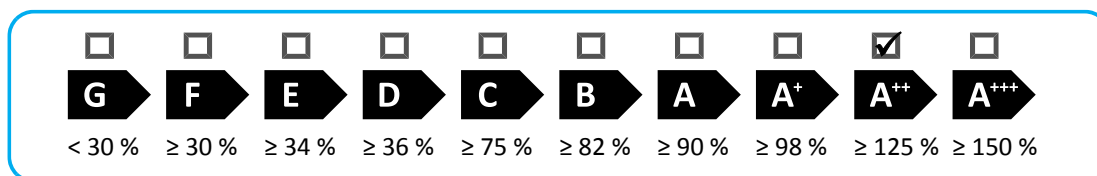
Tank rating  
A<sup>+</sup> = 0.95, A = 0.91,  
B = 0.86, C = 0.83,  
D-G = 0.81

( 5.04 x 7.2 + 1.97 x 0.29 ) x 0.45 x ( 61 / 100 ) x 0.86 = + 9 %

Seasonal space heating energy efficiency of package under average climate

140 %

Seasonal space heating energy efficiency class of package under average climate



Seasonal space heating energy efficiency under colder and warmer climate conditions

Colder: 140 - 19 = 121 % Warmer: 140 + 59 = 199 %

*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.*

# Product fiche

Delegated Regulation (EU) 811/2013

Water heating energy efficiency of combination heater

101 %

Declared load profile: XL

Solar contribution

From fiche of solar device

Auxiliary electricity

$$(1.1 \times 101 - 10\%) \times 1.5 - 5.3 - 101 = + 41 \%$$

Water heating energy efficiency of package under average climate

142 %

Water heating energy efficiency class of package under average climate

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

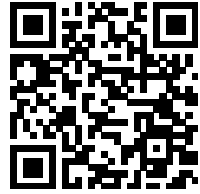
Water heating energy efficiency under colder and warmer climate conditions

Colder:  $142 - 0.2 \times 41 = 133.8 \%$

Warmer:  $142 + 0.4 \times 41 = 158.4 \%$

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Model placed on the Union market from 10/01/2014



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<https://eprel.ec.europa.eu/qr/243018>

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