

Seasonal space heating energy efficiency of heat pump

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 %

+ %

Supplementary boiler
From fiche of boiler

Seasonal space heating energy efficiency (in %)

(- 'I') × 'II' = - %

Solar contribution

From fiche of solar device

Collector size (in m²)

Tank volume (in m³)

Collector efficiency (in %)

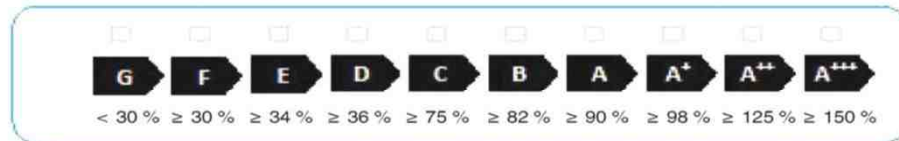
Tank rating
A* = 0,95, A = 0,91,
B = 0,86, C = 0,83,
D-G = 0,81

('III' × + 'IV' ×) × 0,45 × (/ 100) × = + %

Seasonal space heating energy efficiency of package under average climate

%

Seasonal space heating energy efficiency class of package under average climate



Seasonal space heating energy efficiency under colder and warmer climate conditions

Colder: - 'V' = %

Warmer: + 'VI' = %

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.

	I	II	III	IV	V	VI
55°C	135%	0.00	2.22	0.87	35%	33%
35°C	178%	0.00	2.17	0.85	47%	50%

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%

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Supplementary boiler

From fiche of boiler

Seasonal space heating energy efficiency (in %)

(- 'I') × 'II' = - %

Solar contribution

From fiche of solar device

Collector size (in m²)

Tank volume (in m³)

Collector efficiency (in %)

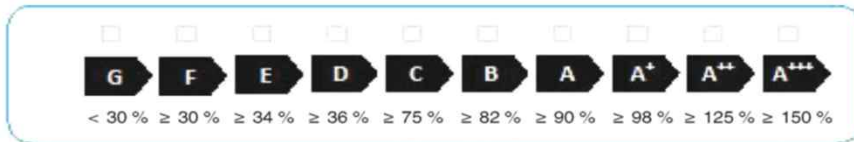
Tank rating
A* = 0,95, A = 0,91,
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('III' × + 'IV' ×) × 0,45 × (/100) × = + %

Seasonal space heating energy efficiency of package under average climate

%

Seasonal space heating energy efficiency class of package under average climate



Seasonal space heating energy efficiency under colder and warmer climate conditions

Colder: - 'V' = % Warmer: + 'VI' = %

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	I	II	III	IV	V	VI
55°C	135%	0.00	2.22	0.87	35%	33%
35°C	178%	0.00	2.17	0.85	47%	50%

Water heating energy efficiency of combination heater

%

Declared load profile:

Solar contribution

From fiche of solar device

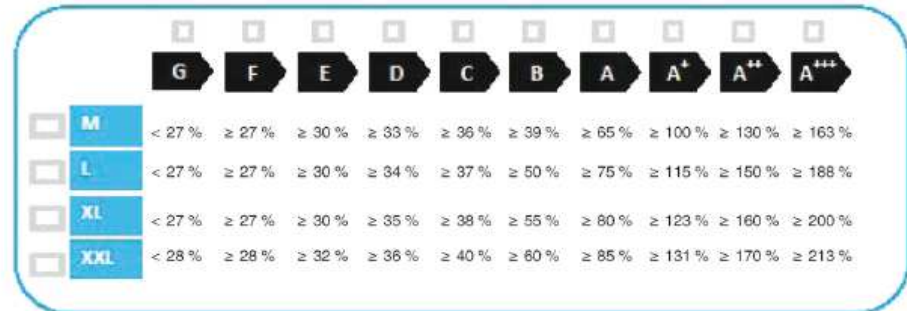
Auxiliary electricity

(1,1 × 'I' - 10 %) × 'II' - - 'I' = + %

Water heating energy efficiency of package under average climate

%

Water heating energy efficiency class of package under average climate



Water heating energy efficiency under colder and warmer climate conditions

Colder: - 0,2 × = %

Warmer: + 0,4 × = %

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I
146%