





Seasonal space heating energy efficiency of heat pump

<sup>1</sup>  
[ ] %

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 %

+ <sup>2</sup>  
[ ] %

Supplementary boiler  
From fiche of boiler

Seasonal space heating energy efficiency (in %)

( [ ] - 'I' ) × 'II' = - <sup>3</sup>  
[ ] %

Solar contribution  
From fiche of solar device

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

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

Collector efficiency (in %)

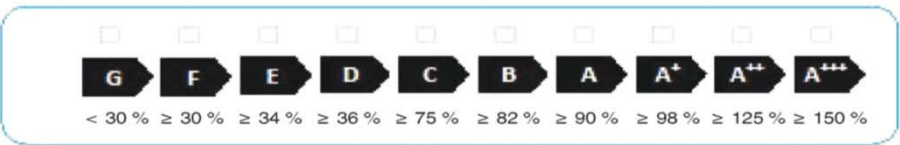
Tank rating  
A\* = 0,95, A = 0,91,  
B = 0,86, C = 0,83,  
D-G = 0,81

( 'III' × [ ] + 'IV' × [ ] ) × 0,45 × ( [ ] / 100 ) × [ ] = + <sup>4</sup>  
[ ] %

Seasonal space heating energy efficiency of package under average climate

<sup>5</sup>  
[ ] %

Seasonal space heating energy efficiency class of package under average climate



Seasonal space heating energy efficiency under colder and warmer climate conditions

Colder: <sup>5</sup> [ ] - 'V' = [ ] %      Warmer: <sup>5</sup> [ ] + '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	125%	0.03	3.99	1.56	33%	42%
35°C	175%	0.03	4.86	1.90	48%	80%



Seasonal space heating energy efficiency of heat pump

%

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 %)

$( \text{III} - \text{I} ) \times \text{IV} = - \text{III} \%$

Solar contribution

From fiche of solar device

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

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

Collector efficiency (in %)

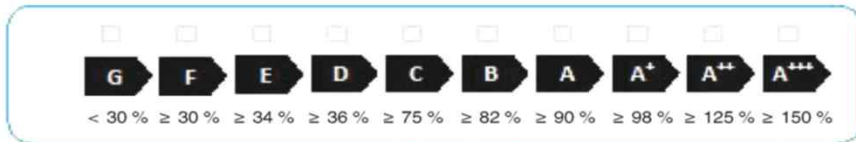
Tank rating  
A\* = 0,95, A = 0,91,  
B = 0,86, C = 0,83,  
D-G = 0,81

$( \text{III} \times \text{I} + \text{IV} \times \text{II} ) \times 0,45 \times ( \text{III} / 100 ) \times \text{IV} = + \text{III} \%$

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:  $\text{III} - \text{V} = \text{VI} \%$       Warmer:  $\text{III} + \text{VI} = \text{VII} \%$

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	125%	0.03	3.99	1.56	33%	42%
35°C	175%	0.03	4.86	1.90	48%	80%

Water heating energy efficiency of combination heater

%

Declared load profile:

Solar contribution

From fiche of solar device

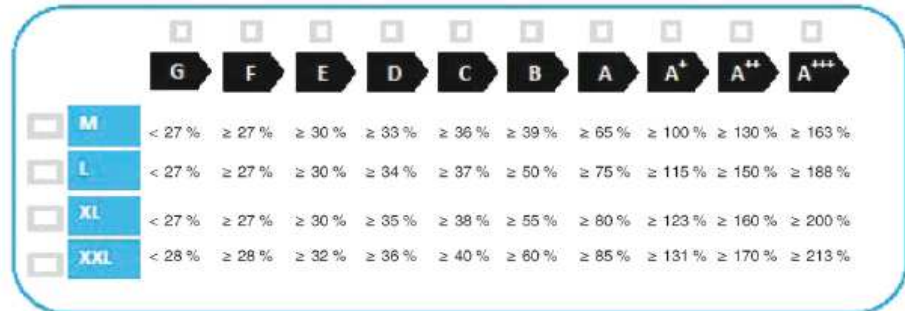
Auxiliary electricity

$( 1,1 \times \text{I} - 10 \% ) \times \text{II} - \text{III} - \text{I} = + \text{III} \%$

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:  $\text{III} - 0,2 \times \text{II} = \text{IV} \%$

Warmer:  $\text{III} + 0,4 \times \text{II} = \text{IV} \%$

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.