

Model HM161HFS UB41



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 %)

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

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

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

Seasonal space heating energy efficiency of package under average climate

 S %

Seasonal space heating energy efficiency class of package under average climate

	G	F	E	D	C	B	A	A*	A**	A***
	< 30 %	≥ 30 %	≥ 34 %	≥ 36 %	≥ 75 %	≥ 82 %	≥ 90 %	≥ 98 %	≥ 125 %	≥ 150 %

Seasonal space heating energy efficiency under colder and warmer climate conditions

Colder: S - 'V' = %Warmer: S + '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	141%	0.00	2.43	0.95	31%	18%
35°C	189%	0.00	2.23	0.87	49%	42%

Water heating energy efficiency of combination heater

 I %

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

 S %

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

Colder: S - 0,2 × = %Warmer: S + 0,4 × = %

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I
141%