

Model HM161M U33

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') × 'III' = - %

Solar contribution

From fiche of solar device

Collector size
(in m²)

Tank volume
(in m³)

Collector efficiency
(in %)

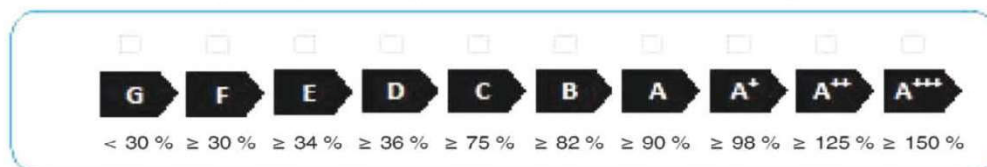
Tank rating
A* = 0,95, A = 0,91,
B = 0,86, C = 0,83,
D-G = 0,81

('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	124%	0.00	2.23	0.87	24%	42%
35°C	175%	0.00	2.43	0.95	45%	51%

Model **HM161M U33/OSHW-200F AEU**

Water heating energy efficiency of combination heater

¹
 %

Declared load profile:

Solar contribution
 From fiche of solar device

Auxiliary electricity

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

Water heating energy efficiency of package under average climate

³
 %

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

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

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I
109%

