



Model Number ²	Refrigerant (kg) ³	t-CO ₂ eq
HU051 U43	R410A (1,8)	3,758
HU071 U43	R410A (1,8)	3,758
HU091 U43	R410A (1,8)	3,758
HU121 U33	R410A (2,3)	4,801
HU141 U33	R410A (2,3)	4,801

Model Number ²	Refrigerant (kg) ³	t-CO ₂ eq
HU161 U33	R410A (2,3)	4,801
HU123 U33	R410A (2,3)	4,801
HU143 U33	R410A (2,3)	4,801
HU163 U33	R410A (2,3)	4,801

GWP(Global warming potential)⁴

[illegible]

Model

HU163 U33 / HN1639 NK3, HU163 U33 / HN1636M NK5



Seasonal space heating energy efficiency of heat pump

1
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 %

2
+ %

Supplementary boiler

From fiche of boiler

Seasonal space heating energy efficiency (in %)

(- 'I') × 'II' = - **3** %

Solar contribution

From fiche of solar device

Collector size (in m²)

Tank volume (in m³)

Collector efficiency (in %)

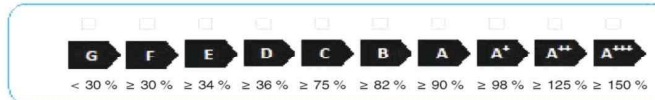
Tank rating
A* = 0,95, A = 0,91,
B = 0,86, C = 0,83,
D-G = 0,81

('III' × + 'IV' ×) × 0,45 × (/100) × = + **4** %

Seasonal space heating energy efficiency of package under average climate

5
%

Seasonal space heating energy efficiency class of package under average climate



Seasonal space heating energy efficiency under colder and warmer climate conditions

Colder: **6** - 'V' = %

Warmer: **6** + '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	130%	0.00	2.70	1.06	31%	37%
35°C	169%	0.00	2.67	1.05	47%	53%

Model HU163 U33 HNI161ST NB0



Seasonal space heating energy efficiency of heat pump

1 T %

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 %)

(T - T) × III = - %

Solar contribution

From fiche of solar device

Collector size (in m²)

Trunk volume (in m³)

Collector efficiency (in %)

(III × + 'IV' ×) × 0.45 × () × 100 = + %

4 %

Seasonal space heating energy efficiency of package under average climate

5 %

Seasonal space heating energy efficiency class of package under average climate



Seasonal space heating energy efficiency under colder and warmer climate conditions

Colder: 5 - V = % Warmer: 6 + 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	117%	0	2.73	1.07	30%	-27%

Water heating energy efficiency of combination heater

1 T %

Declared load profile:

Solar contribution

From fiche of solar device

Auxiliary electricity

III' - T = + %

2 %

Water heating energy efficiency of package under average climate

3 %

Water heating energy efficiency class of package under average climate



Water heating energy efficiency under colder and warmer climate conditions

Colder: 5 - 0.2 × 2 = %

Warmer: 6 + 0.4 × 2 = %

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	89%
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