

PRODUCT FICHE

Heat Pump EcoAir 406 + EcoZenith

The energy efficiency of the package of products provided for in 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	the value of the seasonal space heating energy efficiency of the preferential space heater	106	%
II	the factor for weighting the heat output of preferential and supplementary heaters of a package	-	
III	the value of the mathematical expression $294/(11 \cdot P_{\text{rated}})$	5,35	
IV	the value of the mathematical expression $115/(11 \cdot P_{\text{rated}})$	2,09	
V	the value of the difference between the seasonal space heating energy efficiencies under average and colder climate conditions	11	%
VI	the value of the difference between the seasonal space heating energy efficiencies under warmer and average climate conditions	25	%

Seasonal space heating energy efficiency of heat pump I = **1** **106** %

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** **3,5** %

Supplementary boiler

(From fiche of boiler)

Seasonal space heating energy efficiency (in %)

(- - I) × II = - **3** - %

Solar contribution

(From fiche of solar device)

Tank rating

A⁺ = 0,95, A = 0,91,
 B = 0,86, C = 0,83,
 D-G = 0,81

Collector size
(in m²)

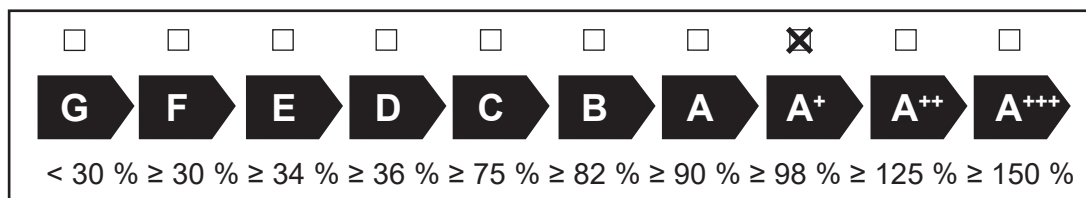
Tank volume
(in m³)

Collector efficiency
(in %)

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

Seasonal space heating energy efficiency of package under average climate **5** **110** %

Seasonal space heating energy efficiency class of package under average climate



Seasonal space heating energy efficiency under colder and warmer climate conditions

Colder: **5** **110** - V = **99** %

Warmer: **5** **110** + VI = **135** %

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I	Water heating energy efficiency of combination heater	59	%
II	the value of the mathematical expression $(220 \times Q_{ref}) / Q_{nonsol}$	-	
III	the value of the mathematical expression $(Q_{aux} \times 2,5) / (220 \times Q_{ref})$	-	%

Water heating energy efficiency of combination heater I = **1** **59** %

Declared load profile

Solar contribution

(From fiche of solar device)

$$(1,1 \times I - 10\%) \times II - \text{Auxiliary electricity} \text{ (III)} = + 2 \text{ - } \%$$

Water heating energy efficiency of package under average climate **3** **59** %

Water heating energy efficiency class of package under average climate

	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	G	F	E	D	C	B	A	A+	A++	A+++	
<input type="checkbox"/>	M	< 27 %	≥ 27 %	≥ 30 %	≥ 33 %	≥ 36 %	≥ 39 %	≥ 65 %	≥ 100 %	≥ 130 %	≥ 163 %
<input checked="" type="checkbox"/>	L	< 27 %	≥ 27 %	≥ 30 %	≥ 34 %	≥ 37 %	≥ 50 %	≥ 75 %	≥ 115 %	≥ 150 %	≥ 188 %
<input type="checkbox"/>	XL	< 27 %	≥ 27 %	≥ 30 %	≥ 35 %	≥ 38 %	≥ 55 %	≥ 80 %	≥ 123 %	≥ 160 %	≥ 200 %
<input type="checkbox"/>	XXL	< 28 %	≥ 28 %	≥ 32 %	≥ 36 %	≥ 40 %	≥ 60 %	≥ 85 %	≥ 131 %	≥ 170 %	≥ 213 %

Water heating energy efficiency of package under colder and warmer climate conditions

Colder: **3** **59** - 0,2 × **2** **-** = **-** %

Warmer: **3** **59** + 0,4 × **2** **-** = **-** %