PRODUCT FICHE

Heat Pump Eco**Air 408** + Eco**Zenith**

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	108	%
II	the factor for weighting the heat output of preferential and supplementary heaters of a package	-	
III	the value of the mathematical expression $294/(11 \cdot P_{rated})$	4,45	
IV	the value of the mathematical expression $115/(11 \cdot P_{rated})$	1,74	
V	the value of the difference between the seasonal space heating energy efficiencies under average and colder climate conditions	13	%
VI	the value of the difference between the seasonal space heating energy efficiencies under warmer and average climate conditions	29	%

Seasonal space heating energy efficiency of heat pump   **I** =   **1** 108 **%**

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)

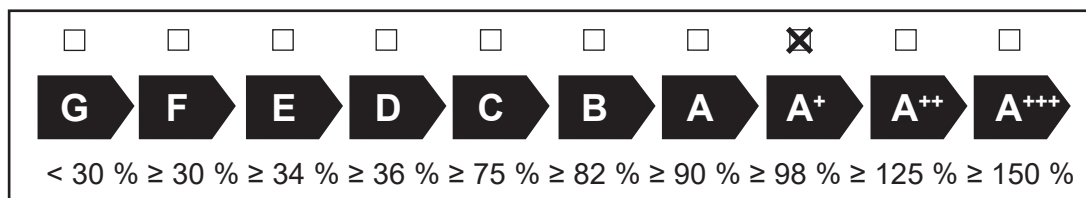| Collector size (in m²)	Tank volume (in m³)	Collector efficiency (in %)	Tank rating A⁺ = 0,95, A = 0,91, B = 0,86, C = 0,83, D-G = 0,81

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

Seasonal space heating energy efficiency of package under average climate   **5** 112 **%**

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: **5** 112 - **V** = 99 **%**   **Warmer:** **5** 112 + **VI** = 141 **%**

REGULUS

PRODUCT FICHE

Heat Pump EcoAir 408 + EcoZenith

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I	Water heating energy efficiency of combination heater	**61**	%
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** | **61**   **%**

Declared load profile   **L**

Solar contribution

(From fiche of solar device)

Auxiliary electricity

(1,1 × **I** - 10 %) × **II** - **III** - **I** = + **2** - %

Water heating energy efficiency of package under average climate   **3** | **61**   **%**

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 of package under colder and warmer climate conditions

Colder: **3** | **61**   - 0,2 ×   **2** | -   =   - %

Warmer: **3** | **61**   + 0,4 ×   **2** | -   =   - %