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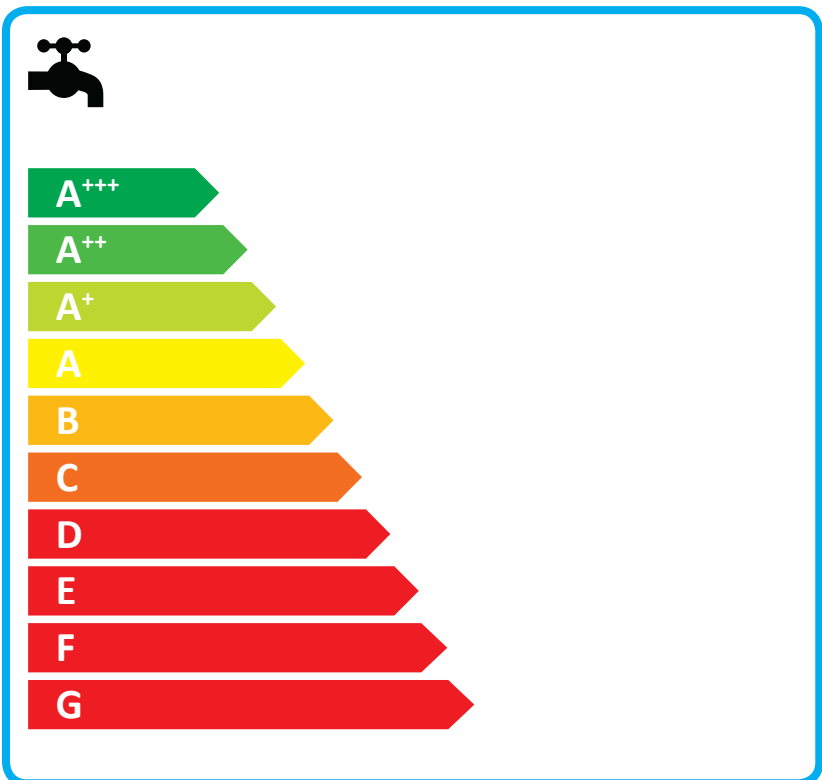
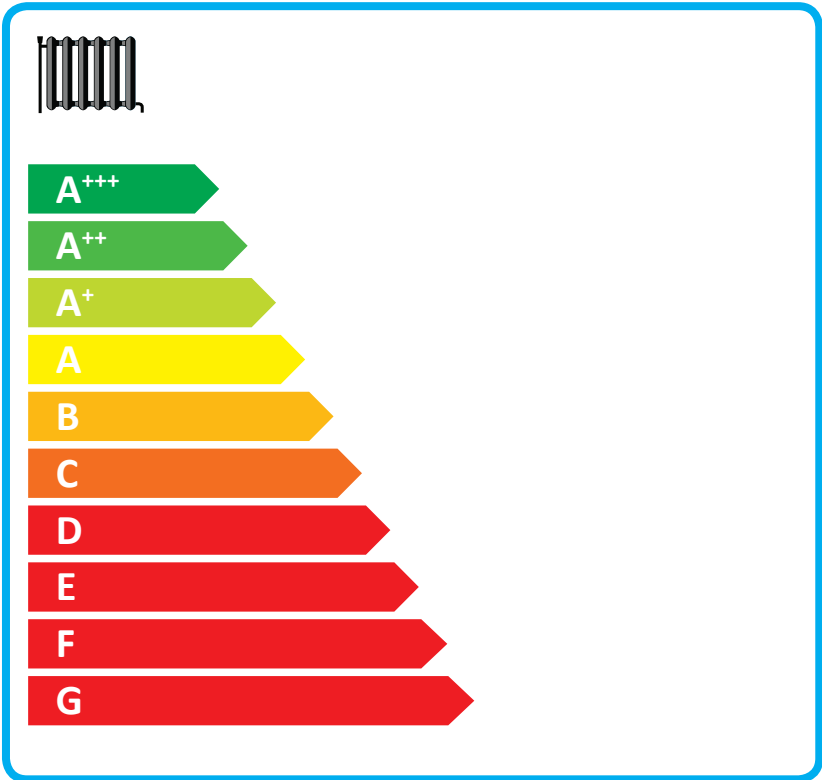
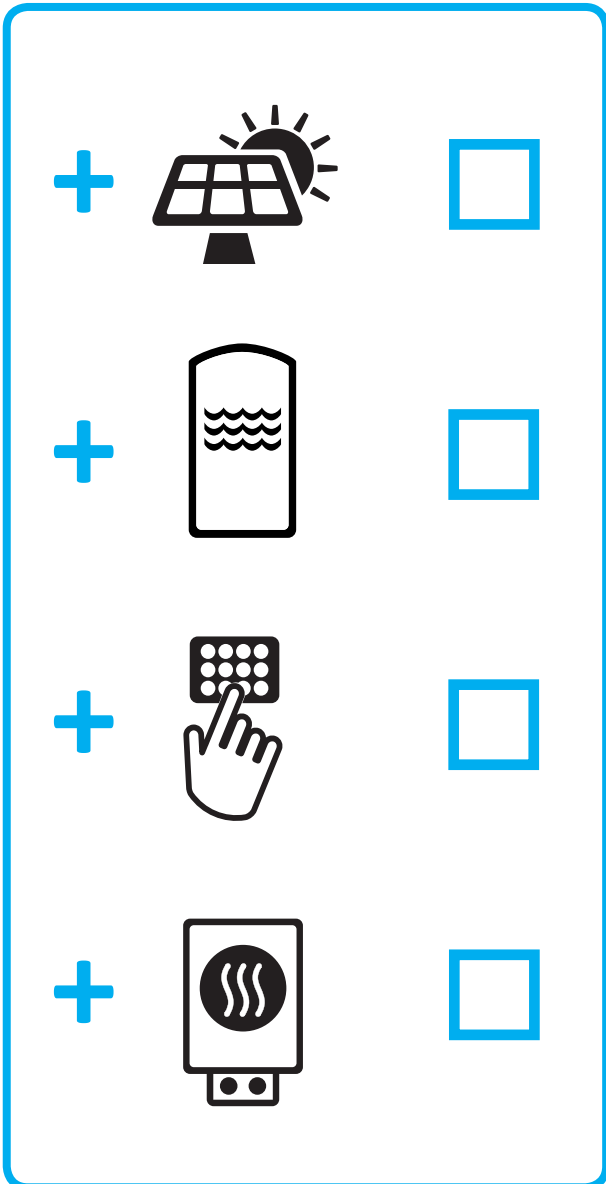
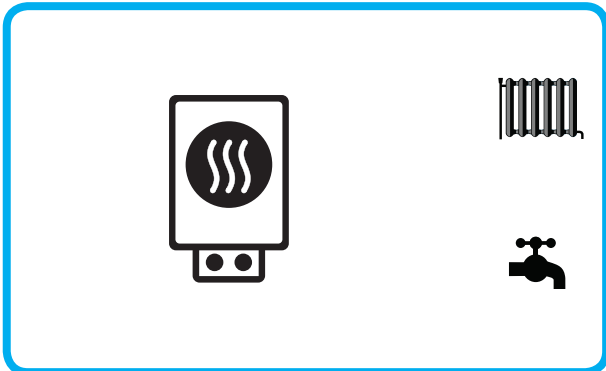
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package (heat pumps and combination heater with heat pump)

Seasonal space heating energy efficiency of heat pump (η_s) ① %

Rated heat output of the heat pump (P_{rated} kW)

Temperature control Class **(Table 1)** + ② %

Supplementary boiler

package with hot water storage tank *P_{sup} kW (rated heat output of supplementary heater)*

η_s % (σ_{π})

$(\eta_s \% (sup) - ①) \times (\alpha_{WP}) = -$ ③ %

(α_{WE} : see Table 3)

(α_{WE})

solar contribution

$(A_{Koll} \text{ m}^2)$ (η_{Koll} %)

$(V_{Sp} \text{ m}^3)$ (*standstill heat loss of the hot water storage tank in W*)

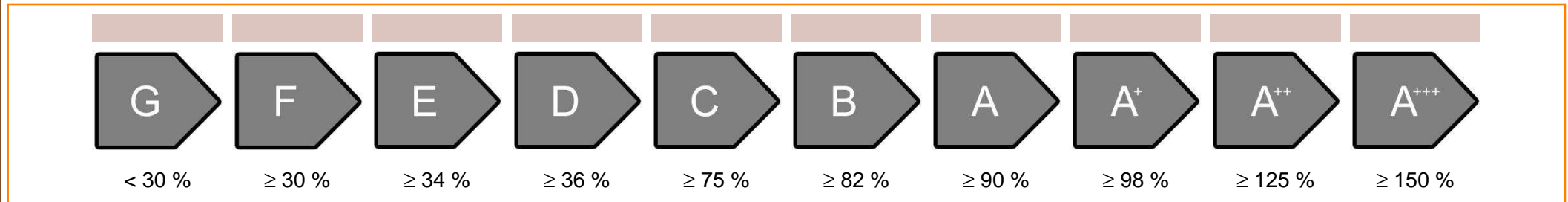
(η_{Sp} : Table 2)

$((294/P_{rated} \times 11) \times (A_{Koll} \text{ m}^2) + (115/P_{rated} \times 11) \times (V_{Sp} \text{ m}^3)) \times 0,45 \times ((\eta_{Koll} \%)/100) \times (\eta_{Sp}) = +$ ④ %

Seasonal space heating energy efficiency of package ⑤ %

rounded to the nearest integer

Seasonal space heating energy efficiency class of package



Seasonal space heating energy efficiency under colder or warmer climate conditions

Seasonal space heating energy efficiency of the heat pump (η_s) under colder climate conditions %

Seasonal space heating energy efficiency of the heat pump (η_s) under warmer climate conditions %

colder ⑤ -V = warmer ⑤ +VI =