



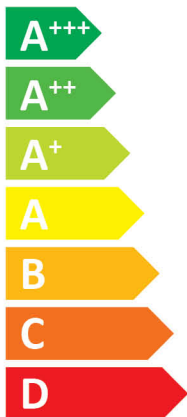
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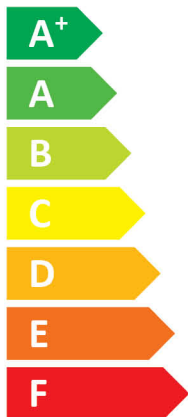
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alpha innotec

WZSV 92K3M



A++



A



47 dB



- dB



9 kW

8 kW

9 kW



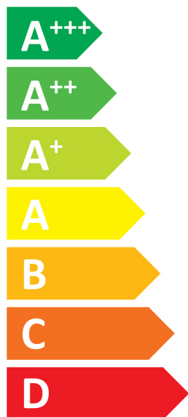
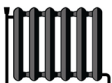


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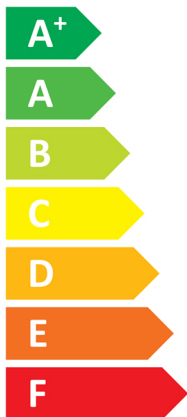
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■ 9 kW

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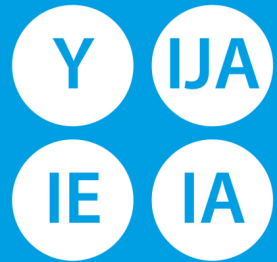
■ 9 kW





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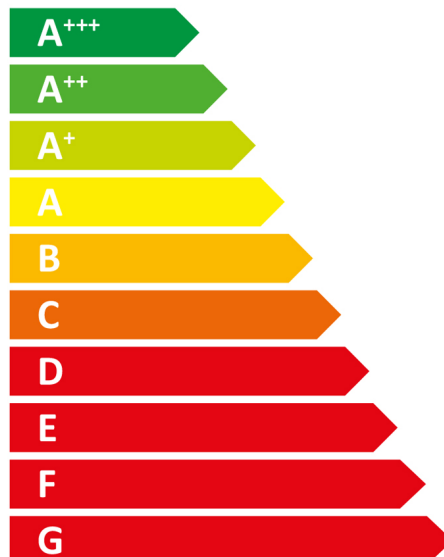
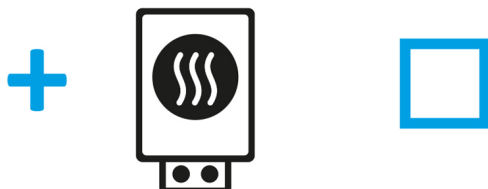
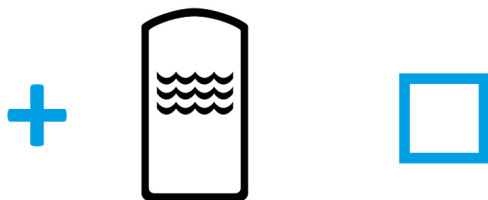
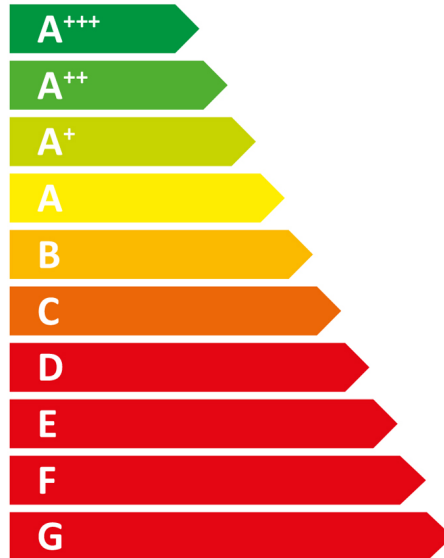
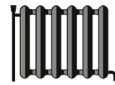
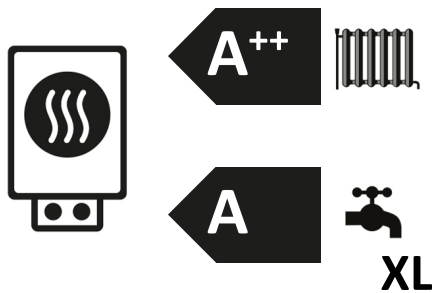
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WZSV 92K3M + Luxtronik 2.1



package (heat pumps and combination heater with heat pump) WZSV 92K3M + Luxtronik 2.1

Seasonal space heating energy efficiency of heat pump (η_s)

① 148 %

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

8

Temperature control

Class

VII

(Table 1)

+

②

3,5

%

Supplementary boiler

package with hot water storage tank

no

P_{sup} kW (rated heat output of supplementary heater)

η_s % ($\sigma\pi$)

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

③

%

(α_{WE} : see Table 3)

(α_{WE})

solar contribution

(A_{Koll} m²)

(η_{Koll} %)

(V_{Sp} m³)

(standstill heat loss of the hot water storage tank in W)

(η_{Sp} : Table 2)

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

④

%

Seasonal space heating energy efficiency of package

⑤

152

%

rounded to the nearest integer

Seasonal space heating energy efficiency class of package

X

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 or warmer climate conditions

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

161 %

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

156 %

colder ⑤

152

-V

-12

=

164

warmer ⑤

152

+VI

8

=

160

heatpump datasheet:			
manufacturer:		alpha innotec	
model:		WZSV 92K3M	
Information concerning energy efficiency class and rated heat output:			
load profile water heating		XL	-
	average / low	average / medium	
energy efficiency class space heater:	A+++	A++	-
energy efficiency class waterheating	A		-
rated heat output:	9	8	kW
annual final energy consumption space heater	3337	3963	kWh
annual electricity consumption waterheating	1642		kWh
energy efficiency space heater:	203	148	%
energy efficiency waterheating	102		%
sound power level indoors		47	dB
special precautions concerning assembly, installation or maintenance			
All instructional work in this manual may only be carried out by qualified specialist personnel in compliance with local regulations.			
additional information	low	medium	
rated heat output colder climate	9	9	kW
rated heat output warmer climate	9	9	kW
annual energy consumption space heater colder climate	3964	4967	kWh
annual energy consumption space heater warmer climate	2257	2763	kWh
ann. Electricity consumption waterheating colder climate	1642		kWh
ann. Electricity consumption waterheating warmer climate	1642		kWh
energy efficiency space heater colder climate	203	161	%
energy efficiency space heater warmer climate	193	156	%
energy efficiency waterheating colder climate	102		%
energy efficiency DHWwarmer climate	102		%
sound power level outdoors		-	dB

technical data of the temperature controller		
manufacturer:	alpha innotec	
model:	Luxtronik 2.1	
controller class	VII	-
contribution of the controller to the energy efficiency space heater	3,5	%

