



ENERG
енергия · ενεργεια



10074842

alpha innotec

SW 302H3



55 °C

35 °C

A+++

A++

A+

A

B

C

D

A++

A+++



50 dB



- dB

■ 27
■ 27
■ 27
kW

■ 30
■ 30
■ 30
kW





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SW 302H3



55 °C

35 °C

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

A⁺⁺

A⁺⁺⁺



50 dB



- dB

■ 27
■ **27**
■ 27
kW

■ 30
■ **30**
■ 30
kW





ENERG

енергия · ενεργεια

Y

IJA

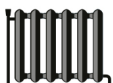
IE

IA

10074842

alpha innotec

SW 302H3 + Luxtronik 2.1



A⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺⁺

A⁺

A

B

C

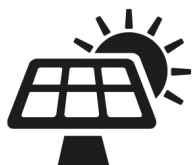
D

E

F

G

+



+



+



+



package (heat pumps and combination heater with heat pump) - SW 302H3 + Luxtronik 2.1

Seasonal space heating energy efficiency of heat pump (η_s)

① 141 %

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

27

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 % ($\sigma\pi$)

(η_s % (**sup**) - ①) \times (α_{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)

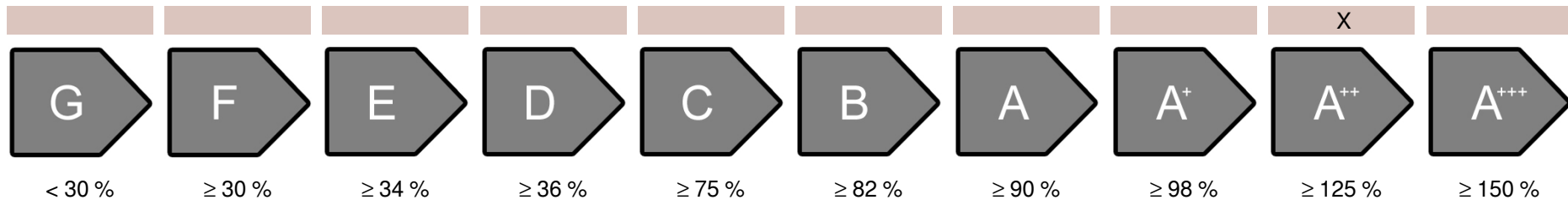
((294/ P_{rated} x11) \times (A_{Koll} m²) + (115/ P_{rated} x11) \times (V_{Sp} m³)) \times 0,45 \times ((η_{Koll} %) /100) \times (η_{Sp}) = + ④ %

Seasonal space heating energy efficiency of package

⑤ 144 %

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

144 %

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

141 %

colder ⑤ 144 -V -4 = 148 warmer ⑤ 144 +VI 1 = 145

heatpump datasheet:			
manufacturer:		alpha innotec	
model:		SW 302H3	
Information concerning energy efficiency class and rated heat output:			
	average / low	average / medium	
energy efficiency class space heater:	A+++	A++	-
rated heat output:	30	27	kW
energy efficiency space heater:	204	141	%
annual final energy consumption space heater	11548	14796	kWh
sound power level indoors		50	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	30	27	kW
rated heat output warmer climate	30	27	kW
energy efficiency space heater colder climate	210	144	%
energy efficiency space heater warmer climate	206	141	%
annual energy consumption space heater colder climate	13408	17226	kWh
annual energy consumption space heater warmer climate	7401	9516	kWh
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	%

