



ENERG
енергия · ενεργεια



10037504

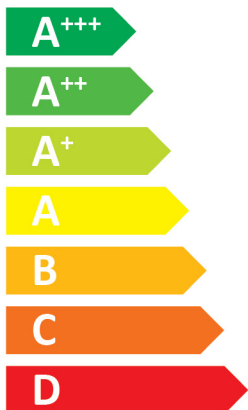
alpha innotec

SWP 700H



55 °C

35 °C



A⁺⁺

A⁺⁺



72 dB



- dB

■ 66
■ **66**
■ 66
kW

■ 70
■ **70**
■ 70
kW





ENERGY

10037504

alpha innotec

SWP 700H



55 °C

35 °C

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

A⁺⁺

A⁺⁺



72 dB



- dB

■ 66
■ **66**
■ 66
kW

■ 70
■ **70**
■ 70
kW





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alpha innotec

SWP 700H + Luxtronik 2.05



A⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺⁺

A⁺

A

B

C

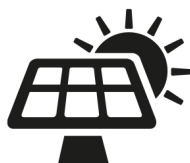
D

E

F

G

+



+



+



+



package (heat pumps and combination heater with heat pump) - SWP 700H + Luxtronik 2.05

Seasonal space heating energy efficiency of heat pump (η_s)

① 135 %

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

66

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)

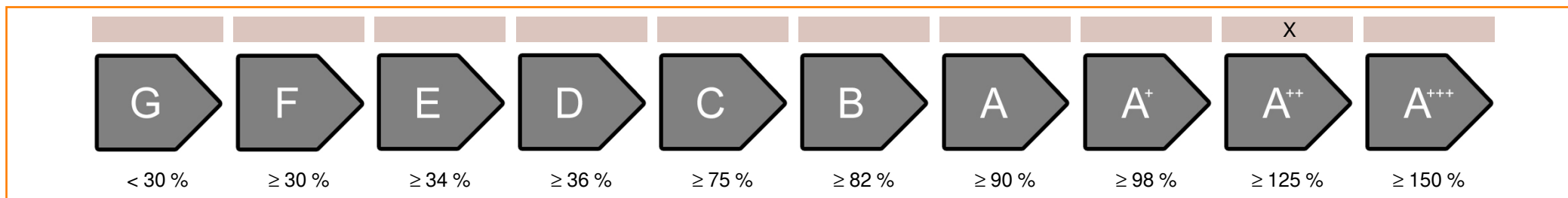
((294/ P_{rated} x11) \times (A_{Koll} m²) + (115/ P_{rated} x11) \times (V_{Sp} m³)) \times 0,45 \times ((η_{Koll} %)/100) \times (η_{Sp}) = + ④ %

Seasonal space heating energy efficiency of package

⑤ 139 %

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

140 %

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

137 %

colder ⑤ 139 -V -4 = 143 warmer ⑤ 139 +VI 2 = 141

heatpump datasheet:			
manufacturer:		alpha innotec	
model:		SWP 700H	
Information concerning energy efficiency class and rated heat output:			
	average / low	average / medium	
energy efficiency class space heater:	A++	A++	-
rated heat output:	70	66	kW
energy efficiency space heater:	169	135	%
annual final energy consumption space heater	32742	37873	kWh
sound power level indoors		72	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	70	66	kW
rated heat output warmer climate	70	66	kW
energy efficiency space heater colder climate	172	140	%
energy efficiency space heater warmer climate	171	137	%
annual energy consumption space heater colder climate	38250	43921	kWh
annual energy consumption space heater warmer climate	20943	24183	kWh
sound power level outdoors		-	dB

technical data of the temperature controller		
manufacturer:	alpha innotec	
model:	Luxtronik 2.05	
controller class	VII	-
contribution of the controller to the energy efficiency space heater	3,5	%

