



ENERG  
енергия · ενεργεια



100627HMS01

alpha innotec

L 12Split-HM 8-12



55 °C

35 °C



A<sup>++</sup>

A<sup>++</sup>



44 dB



57 dB

■ 11  
■ 10  
■ 12  
kW

■ 11  
■ 9  
■ 12  
kW





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L 12Split-HM 8-12



55 °C

35 °C

A<sup>+++</sup>

A<sup>++</sup>

A<sup>+</sup>

A

B

C

D

A<sup>++</sup>

A<sup>++</sup>



**44** dB



**57** dB

■ 11  
■ **10**  
■ 12  
kW

■ 11  
■ **9**  
■ 12  
kW





# ENERG

енергия · ενεργεια

Y

IJA

IE

IA

100627HMS01

alpha innotec

L 12Split-HM 8-12 + Splitregler



A<sup>++</sup>

A<sup>+++</sup>

A<sup>++</sup>

A<sup>++</sup>

A<sup>+</sup>

A

B

C

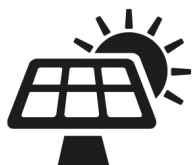
D

E

F

G

+



+



+



+



package (heat pumps and combination heater with heat pump) - L 12Split-HM 8-12 + Splitregler

Seasonal space heating energy efficiency of heat pump ( $\eta_s$ )

① 126 %

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

10

Temperature control

Class

II (Table 1)

+

② 2 %

Supplementary boiler

package with hot water storage tank

no

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

$\eta_s$  % ( $\sigma\pi$ )

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

( $\alpha_{WE}$ : see Table 3)

( $\alpha_{WE}$ )

solar contribution

( $A_{Koll}$  m<sup>2</sup>)

( $\eta_{Koll}$  %)

( $V_{Sp}$  m<sup>3</sup>)

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

( $\eta_{Sp}$ : Table 2)

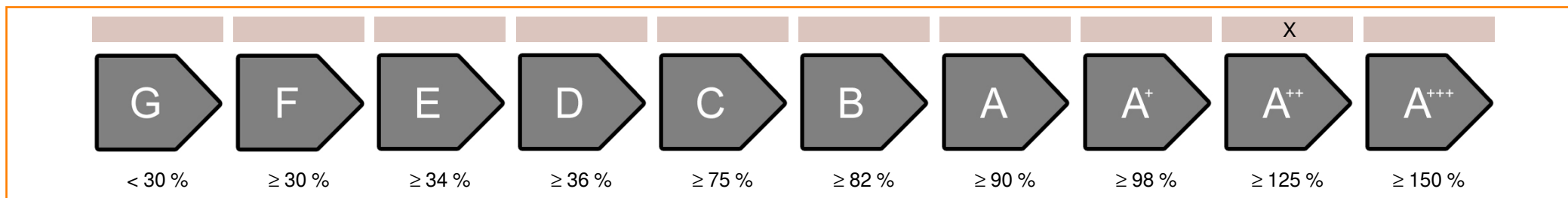
((294/ $P_{rated}$  x11)  $\times$  ( $A_{Koll}$  m<sup>2</sup>) + (115/ $P_{rated}$  x11)  $\times$  ( $V_{Sp}$  m<sup>3</sup>))  $\times$  0,45  $\times$  (( $\eta_{Koll}$  %) /100)  $\times$  ( $\eta_{Sp}$ ) = + ④ %

Seasonal space heating energy efficiency of package

⑤ 128 %

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 ( $\eta_s$ ) under colder climate conditions**

108 %

**Seasonal space heating energy efficiency of the heat pump ( $\eta_s$ ) under warmer climate conditions**

184 %

colder ⑤ 128 -V 18 = 110 warmer ⑤ 128 +VI 58 = 186

heatpump datasheet:			
manufacturer:		alpha innotec	
model:		L 12Split-HM 8-12	
Information concerning energy efficiency class and rated heat output:			
	average / low	average / medium	
energy efficiency class space heater:	A++	A++	-
rated heat output:	8,5	10	kW
energy efficiency space heater:	167	126	%
annual final energy consumption space heater	4132	6406	kWh
sound power level indoors		44	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	11	11	kW
rated heat output warmer climate	12	12	kW
energy efficiency space heater colder climate	133	108	%
energy efficiency space heater warmer climate	229	184	%
annual energy consumption space heater colder climate	7968	9794	kWh
annual energy consumption space heater warmer climate	2759	3424	kWh
sound power level outdoors		57	dB

technical data of the temperature controller		
manufacturer:	alpha innotec	
model:	Splitregler	
controller class	II	-
contribution of the controller to the energy efficiency space heater	2	%



