



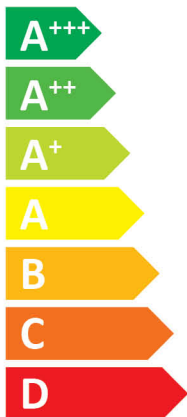
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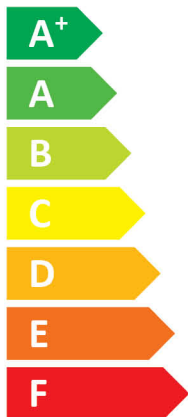
100627HT1201

alpha innotec

L12 Split-HT 12



A++



A



35 dB



58 dB



- 13 kW
- **10kW**
- 12 kW



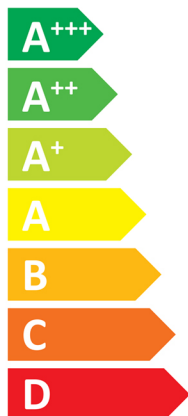


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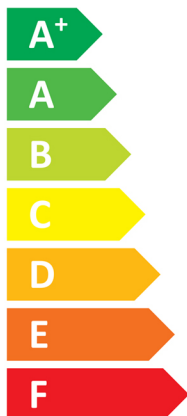
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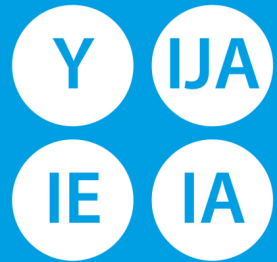
2019

811/2013



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100627HT1201

alpha innotec

L12 Split-HT 12 + Splitregler



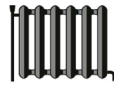
A⁺⁺



A



XL



A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

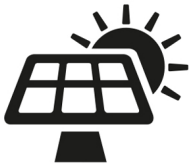
E

F

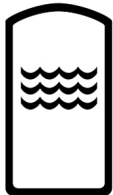
G

A⁺⁺

+



+



+



+



XL

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

E

F

G

A

package (heat pumps and combination heater with heat pump) L12 Split-HT 12 + Splitregler

Seasonal space heating energy efficiency of heat pump (η_s)

① 132 %

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

10

Temperature control

Class

VI (Table 1)

+

② 4,0 %

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)

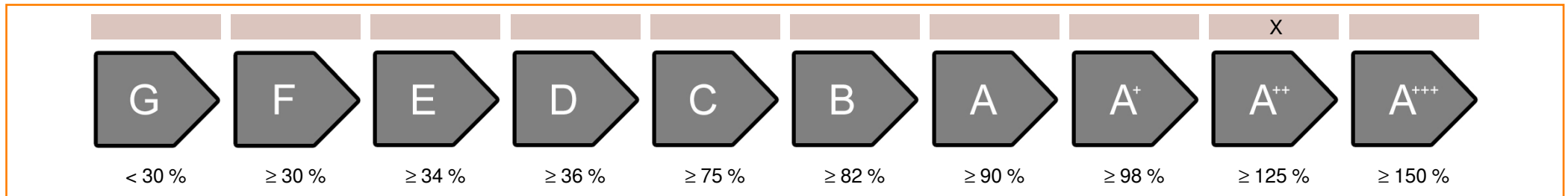
((294/ P_{rated} x11) \times (A_{Koll} m²) + (115/ P_{rated} x11) \times (V_{Sp} m³)) \times 0,45 \times ((η_{Koll} %)/100) \times (η_{Sp}) = + ④ %

Seasonal space heating energy efficiency of package

⑤ 136 %

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

109 %

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

183 %

colder ⑤ 136 -V 23 = 113 warmer ⑤ 136 +VI 51 = 187

heatpump datasheet:			
manufacturer:		alpha innotec	
model:		L12 Split-HT 12	
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:	12	10	kW
annual final energy consumption space heater	5361	6137	kWh
annual electricity consumption waterheating	1702		kWh
energy efficiency space heater:	174	132	%
energy efficiency waterheating	98		%
sound power level indoors		35	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	12	13	kW
rated heat output warmer climate	12	12	kW
annual energy consumption space heater colder climate	7920	11461	kWh
annual energy consumption space heater warmer climate	2765	3445	kWh
ann. Electricity consumption waterheating colder climate	1903		kWh
ann. Electricity consumption waterheating warmer climate	1551		kWh
energy efficiency space heater colder climate	140	109	%
energy efficiency space heater warmer climate	229	183	%
energy efficiency waterheating colder climate	88		%
energy efficiency DHWwarmer climate	108		%
sound power level outdoors		58	dB

technical data of the temperature controller		
manufacturer:	alpha innotec	
model:	Splitregler	
controller class	VI	-
contribution of the controller to the energy efficiency space heater	4,0	%

