



ENERG
енергия · ενεργεια



100626HM1201

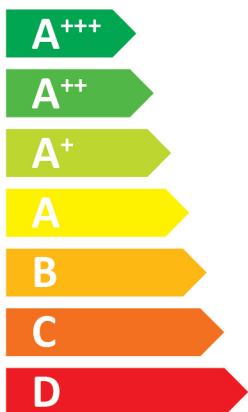
alpha innotec

L8 Split-HM 12



55 °C

35 °C



A⁺⁺

A⁺⁺



35 dB



55 dB

■ 10
■ **7**
■ 8
kW

■ 9
■ **8**
■ 8
kW





ENERGY

100626HM1201

alpha innotec

L8 Split-HM 12



55 °C

35 °C

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

A⁺⁺

A⁺⁺



35 dB



55 dB

■ 10

■ **7**

■ 8

kW

■ 9

■ **8**

■ 8

kW





ENERG

енергия · ενεργεια

Y

IJA

IE

IA

100626HM1201

alpha innotec

L8 Split-HM 12 + Splitregler



A⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺⁺

A⁺

A

B

C

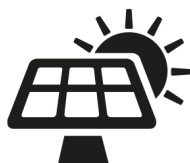
D

E

F

G

+



+



+



+



package (heat pumps and combination heater with heat pump) - L8 Split-HM 12 + Splitregler

Seasonal space heating energy efficiency of heat pump (η_s)

① 127 %

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

7

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 % ($\sigma\pi$)

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

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

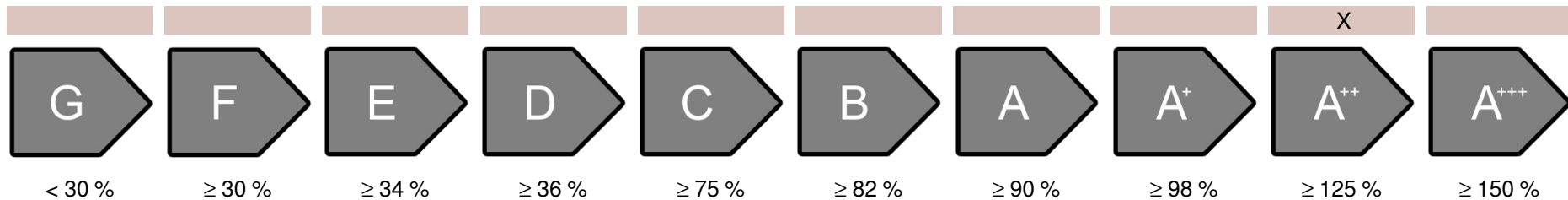
⑤

131

%

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

107 %

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

179 %

colder ⑤

131

-V

20

=

111

warmer ⑤

131

+VI

52

=

183

| | | | |
|---|---------------|------------------|-----|
| heatpump datasheet: | | | |
| | | | |
| manufacturer: | | alpha innotec | |
| model: | | L8 Split-HM 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 | 7 | kW |
| energy efficiency space heater: | 172 | 127 | % |
| annual final energy consumption space heater | 3874 | 4435 | kWh |
| | | | |
| 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 | 9 | 10 | kW |
| rated heat output warmer climate | 8 | 8 | kW |
| energy efficiency space heater colder climate | 138 | 107 | % |
| energy efficiency space heater warmer climate | 227 | 179 | % |
| annual energy consumption space heater colder climate | 6278 | 9003 | kWh |
| annual energy consumption space heater warmer climate | 1860 | 2350 | kWh |
| | | | |
| sound power level outdoors | | 55 | 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 | % |

