



**ENERG**  
енергия · ενεργεια



100607HMD02

alpha innotec

LWD 50A/RSX-HMD



55 °C

35 °C



**A<sup>++</sup>**

**A<sup>++</sup>**



**44** dB



**58** dB

■ 5  
■ **6**  
■ 7  
kW

■ 5  
■ **6**  
■ 7  
kW





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LWD 50A/RSX-HMD



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



**58** dB

■ 5

■ 6

■ 7

kW

■ 5

■ 6

■ 7

kW





# ENERG

енергия · ενεργεια

Y

IJA

IE

IA

100607HMD02

alpha innotec

LWD 50A/RSX-HMD + Luxtronik 2.1



A<sup>++</sup>

A<sup>+++</sup>

A<sup>++</sup>

A<sup>++</sup>

A<sup>+</sup>

A

B

C

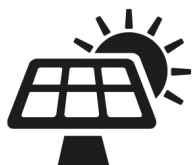
D

E

F

G

+



+



+



+



package (heat pumps and combination heater with heat pump) - LWD 50A/RSX-HMD + Luxtronik 2.1

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

① 127 %

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

6

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)

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

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

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)

$$((294/P_{rated} \times 11) \times (A_{Koll} \text{ m}^2) + (115/P_{rated} \times 11) \times (V_{Sp} \text{ m}^3)) \times 0,45 \times ((\eta_{Koll} \text{ \%}) / 100) \times (\eta_{Sp}) = +$$

④

%

Seasonal space heating energy efficiency of package

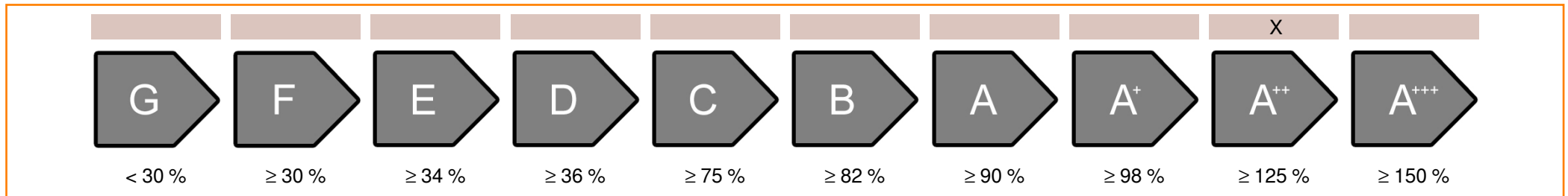
⑤

130

%

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**

114 %

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

155 %

colder ⑤

130

-V

13

=

117

warmer ⑤

130

+VI

28

=

158

heatpump datasheet:			
manufacturer:		alpha innotec	
model:		LWD 50A/RSX-HMD	
Information concerning energy efficiency class and rated heat output:			
	average / low	average / medium	
energy efficiency class space heater:	A++	A++	-
rated heat output:	6	6	kW
energy efficiency space heater:	152	127	%
annual final energy consumption space heater	3388	3762	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	5	5	kW
rated heat output warmer climate	7	7	kW
energy efficiency space heater colder climate	135	114	%
energy efficiency space heater warmer climate	189	155	%
annual energy consumption space heater colder climate	3888	4185	kWh
annual energy consumption space heater warmer climate	1971	2211	kWh
sound power level outdoors		58	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	%



