



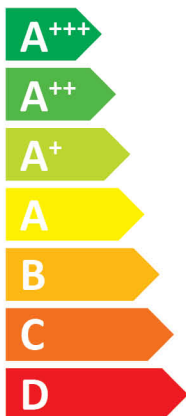
ENERG
енергия · ενεργεια



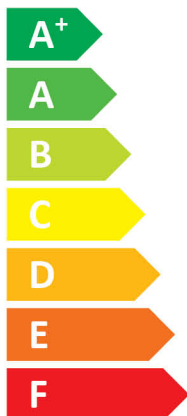
100601HTD02

alpha innotec

LWD 50A-HTD



A++



A



44 dB



57 dB



■ 5 kW

■ **5 kW**

■ 7 kW



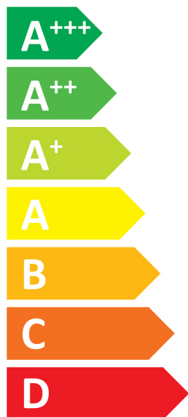
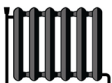


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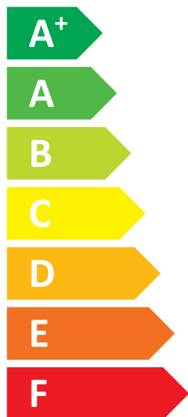
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■ 5 kW

■ **5 kW**

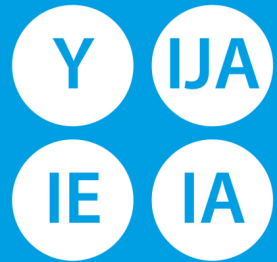
■ 7 kW





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100601HTD02

alpha innotec

LWD 50A-HTD + Luxtronik 2.1



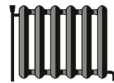
A⁺⁺



A



XL



A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

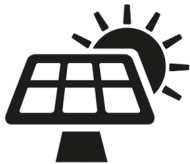
E

F

G

A⁺⁺

+



+



+



+



XL

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

E

F

G

A

package (heat pumps and combination heater with heat pump) LWD 50A-HTD + Luxtronik 2.1									
Seasonal space heating energy efficiency of heat pump (ηs)				1		125		%	
Rated heat output of the heat pump (Prated kW)				5					
Temperature control		Class		VII (Table 1)		+		2 3,5 %	
Supplementary boiler									
package with hot water storage tank		no				Psup kW (rated heat output of supplementary heater)			
				ησ % (σπ)					
				(ηs % (sup) - 1) x (αWP) =		-		3 %	
(αWE: see Table 3)				(αWE)					
solar contribution		(AKoll m²)		(ηKoll %)					
		(VSp m³)		(standstill heat loss of the hot water storage tank in W)					
				(ηSp: Table 2)					
				((294/Prated x11) x (AKoll m²) + (115/Prated x11) x (VSp m³)) x 0,45 x ((ηKoll %) /100) x (ηSp) =		+		4 %	
Seasonal space heating energy efficiency of package				5		129		%	
				rounded to the nearest integer					
Seasonal space heating energy efficiency class of package									
<div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div>X</div><div></div></div><div><div>G</div><div>F</div><div>E</div><div>D</div><div>C</div><div>B</div><div>A</div><div>A+</div><div>A++</div><div>A+++</div></div><div><div>< 30 %</div><div>≥ 30 %</div><div>≥ 34 %</div><div>≥ 36 %</div><div>≥ 75 %</div><div>≥ 82 %</div><div>≥ 90 %</div><div>≥ 98 %</div><div>≥ 125 %</div><div>≥ 150 %</div></div></div>									
Seasonal space heating energy efficiency under colder or warmer climate conditions									
Seasonal space heating energy efficiency of the heat pump (ηs) under colder climate conditions						112		%	
Seasonal space heating energy efficiency of the heat pump (ηs) under warmer climate conditions						160		%	
colder 5		129		-V		13		= 116	
warmer 5		129		+VI		35		= 164	

heatpump datasheet:			
manufacturer:		alpha innotec	
model:		LWD 50A-HTD	
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:	6	5	kW
annual final energy consumption space heater	2989	3491	kWh
annual electricity consumption waterheating	1872		kWh
energy efficiency space heater:	163	125	%
energy efficiency waterheating	89		%
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	6	5	kW
rated heat output warmer climate	7	7	kW
annual energy consumption space heater colder climate	3661	4169	kWh
annual energy consumption space heater warmer climate	1937	2217	kWh
ann. Electricity consumption waterheating colder climate	2048		kWh
ann. Electricity consumption waterheating warmer climate	1625		kWh
energy efficiency space heater colder climate	147	112	%
energy efficiency space heater warmer climate	198	160	%
energy efficiency waterheating colder climate	82		%
energy efficiency DHWwarmer climate	103		%
sound power level outdoors		57	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	%

