



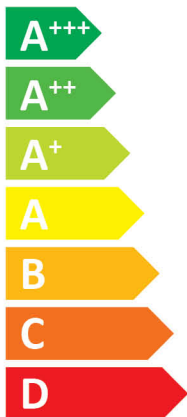
**ENERG**  
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100545HT202

alpha innotec

LW 180A-HT 2



**44** dB



**57** dB



■ 15 kW

■ **19kW**

■ 16 kW



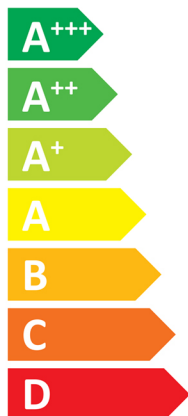


# ENERGY

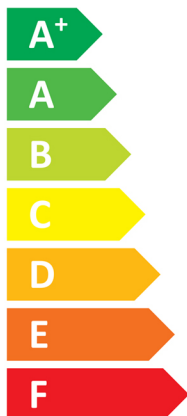
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LW 180A-HT 2



A<sup>+</sup>



A



**44** dB



**57** dB



■ 15 kW

■ **19kW**

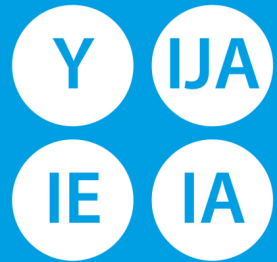
■ 16 kW





# ENERG

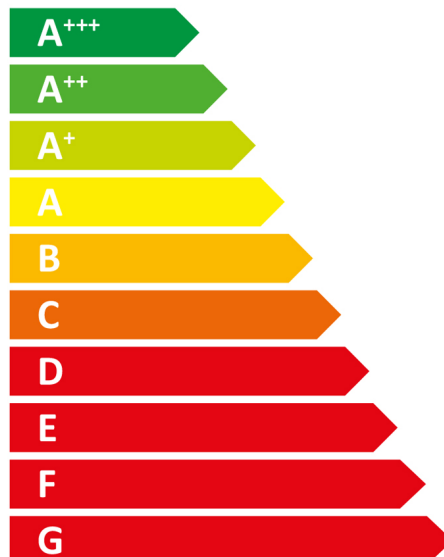
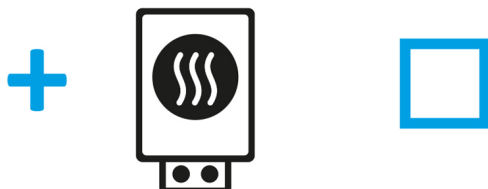
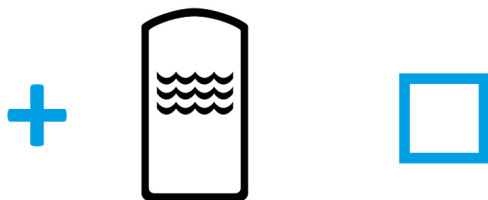
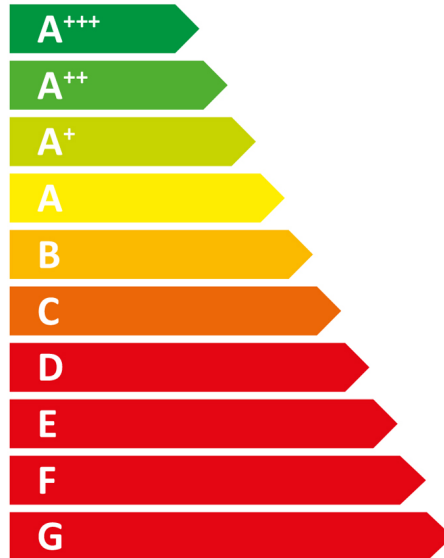
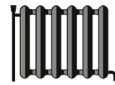
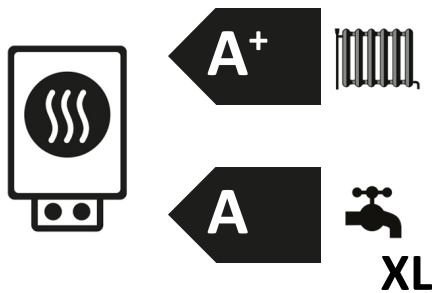
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LW 180A-HT 2 + Luxtronik 2.0



package (heat pumps and combination heater with heat pump) LW 180A-HT 2 + Luxtronik 2.0											
Seasonal space heating energy efficiency of heat pump (ηs)					1	118	%				
Rated heat output of the heat pump (Prated kW)						19					
Temperature control		Class		III (Table 1)	+	2	1,5	%			
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	119	%				
					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>X</div><div></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>&lt; 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						107	%				
Seasonal space heating energy efficiency of the heat pump (ηs) under warmer climate conditions						150	%				
colder 5	119	-V	10	=	109	warmer 5	119	+VI	32	=	151

heatpump datasheet:			
manufacturer:		alpha innotec	
model:		LW 180A-HT 2	
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:	20	19	kW
annual final energy consumption space heater	10262	12643	kWh
annual electricity consumption waterheating	1904		kWh
energy efficiency space heater:	158	118	%
energy efficiency waterheating	88		%
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	17	15	kW
rated heat output warmer climate	17	16	kW
annual energy consumption space heater colder climate	12110	13578	kWh
annual energy consumption space heater warmer climate	4546	5671	kWh
ann. Electricity consumption waterheating colder climate	2068		kWh
ann. Electricity consumption waterheating warmer climate	1642		kWh
energy efficiency space heater colder climate	139	107	%
energy efficiency space heater warmer climate	200	150	%
energy efficiency waterheating colder climate	81		%
energy efficiency DHWwarmer climate	102		%
sound power level outdoors		57	dB

technical data of the temperature controller		
manufacturer:	alpha innotec	
model:	Luxtronik 2.0	
controller class	III	-
contribution of the controller to the energy efficiency space heater	1,5	%



