

10053702

alpha innotec

LW 251L



55 °C

35 °C



**Λ** ++

A<sup>+</sup>

Λ

В

C

D

A<sup>+</sup>





**63** dB



**55** dB

232524

kW





2019

811/2013



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alpha innotec

LW 251L



55 °C

35 °C

A+++

**Λ** ++

 $\mathbf{A}^{+}$ 

Λ

В

C

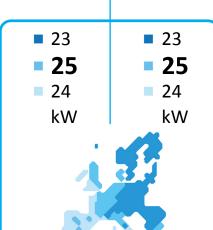
A<sup>+</sup>







**55** dB



2019

811/2013



## IJA ENERG енергия · ενεργεια

10053702

alpha innotec

LW 251L + Luxtronik 2.0





















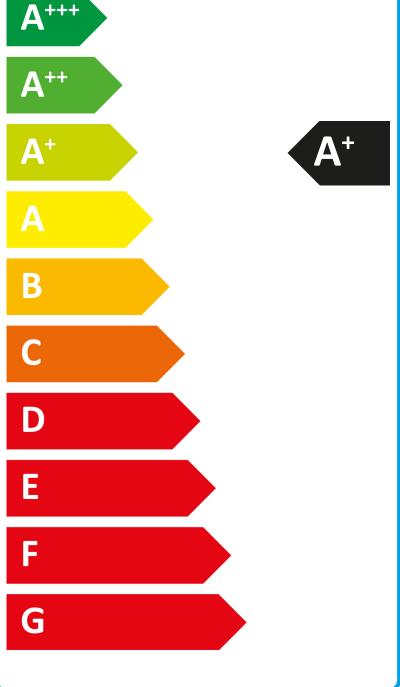


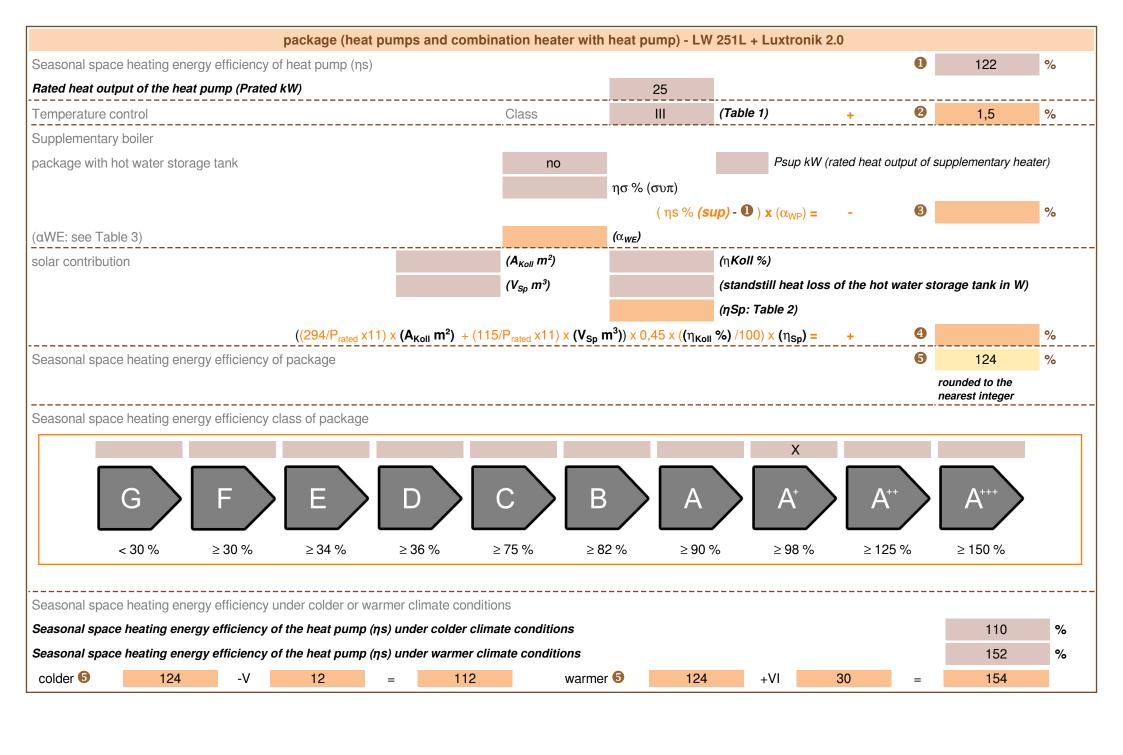












heatpump datasheet:						
manufacturer:	r: alpha innotec					
model:	LW 251L	· ·				
	I					
Information concerning energy efficiency class and	rated heat output:					
	·					
	average / low	average / medium				
energy efficiency class space heater:	A++	A+	-			
rated heat output:	25	25	kW			
energy efficiency space heater:	155	122	%			
annual final energy consumption space heater	13252	16517	kWh			
		-	·			
sound power level indoors		63	dB			
		•				
regulations.						
additional information	low	medium				
rated heat output colder climate	23	23	kW			
rated heat output warmer climate	24	24	kW			
energy effiency space heater colder climate	134	110	%			
energy effiency space heater warmer climate	198	152	%			
annual energy consumption space heater colder climate	16286	19754	kWh			
annual energy consumption space heater warmer climate	6424	8123	kWh			
·						
sound power level outdoors		55	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	%				

Model			LW 251L				
Air-to-water heat pump: (yes/no)			yes				
Brine-to-water heat pump: (yes/no)			no				
Water-to-water heat pump: (yes/no)			no	no			
Low-temperature heat pump: (yes/no)  Equipped with supplementary heater: (yes/no)  combination heater with: (yes/no)			no				
			yes no				
							application: (low/medium)
climate: (colder/average/warmer	)			average			
Item					Value	Unit	
Rated heat output	Prated	25	kW	Seasonal space heating energy efficiency	ηS	122,1	%
Declared coefficient of perfor temperature 20°C and outdoor			indoor	Declared coefficient of perfor temperature 20°C and outdoor			indoor
Tj = -7°C	Pdh	19,2	kW	Tj = -7°C	COPd	2,07	-
Tj = +2°C	Pdh	23,9	kW	Tj = +2°C	COPd	3,02	-
Tj = +7°C	Pdh	14,3	kW	Tj = +7°C	COPd	4,13	-
Tj = +12°C	Pdh	16,8	kW	Tj = +12°C	COPd	5,44	-
Tj = bivalent temperature	Pdh	20,2	kW	Tj = bivalent temperature	COPd	2,24	-
Tj = operation limit temperature	Pdh	17,7	kW	Tj = operation limit temperature	COPd	1,83	-
For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	COPd	-	-
Bivalent temperature	T <sub>biv</sub>	-5	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	1,0	-	Heating water operating limit temperature	WTOL	70	°C
Power consumption in modes	other than	active mod	le	Supplementary heater			
Off mode	P <sub>OFF</sub>	0,010	kW	Rated heat output	Psup	7,3	kW
Thermostat-off mode	P <sub>TO</sub>	0,010	kW	Type of energy input		electrical	
Standby mode	$P_{SB}$	0,010	kW				
Crankcase heater mode	P <sub>CK</sub>	-	kW				
Other items			•		•		
Capacity control	fixed			For air-to-water heat pumps: Rated air flow rate, outdoors	-	5.000	m <sup>3</sup> /h
sound power level, indoors/outdoors	L <sub>WA</sub>	63 / 55	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m <sup>3</sup> /h
Emissions of nitrogen oxides	NO <sub>X</sub>	-	mg/kWh	•			•
For heat pump combination h	eater:						
Declared load profile		-		Water heating energy efficiency	$\eta_{wh}$	-	%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Contact details	<del>'</del>	and GmbH Ir	ndustriestr. 3	95359 Kasendorf Germany			•
				the rated heat output Prated is equ equal to the supplementary capac			eating
(**) If Cdh is not determined by n	neasuremen	then the def	ault degradat	tion coefficient is Cdh = 0,9.			

Model				LW 251L				
,				1	yes			
Brine-to-water heat pump: (yes/no)			no					
Water-to-water heat pump: (yes/no)			no					
Low-temperature heat pump: (yes/no)			no					
Equipped with supplementary heater: (yes/no)			yes					
combination heater with: (yes/no)			no .					
application: (low/medium)			low					
climate: (colder/average/warmer)				average	0	\/-I	1111	
Item	Symbol	Value	Unit	Item Constant to the street to	Symbol	Value	Unit	
Rated heat output	Prated	25	kW	Seasonal space heating energy efficiency	ηS	154,8	%	
Declared coefficient of perfor temperature 20°C and outdoor			indoor	Declared coefficient of perfor temperature 20°C and outdoor			indoor	
Tj = -7°C	Pdh	19,4	kW	Tj = -7°C	COPd	2,96	-	
Tj = +2°C	Pdh	24,2	kW	Tj = +2°C	COPd	3,77	-	
Tj = +7°C	Pdh	14,3	kW	Tj = +7°C	COPd	5,06	-	
Tj = +12°C	Pdh	16,9	kW	Tj = +12°C	COPd	5,90	-	
Tj = bivalent temperature	Pdh	20,4	kW	Tj = bivalent temperature	COPd	3,18	-	
Tj = operation limit temperature	Pdh	17,8	kW	Tj = operation limit temperature	COPd	2,66	-	
For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	COPd	-	-	
Bivalent temperature	T <sub>biv</sub>	-5	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C	
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-	
Degradation co-efficient (**)	Cdh	1,0	-	Heating water operating limit temperature	WTOL	70	°C	
Power consumption in modes	other thai	n active mod	e	Supplementary heater				
Off mode	P <sub>OFF</sub>	0,010	kW	Rated heat output	Psup	7,6	kW	
Thermostat-off mode	P <sub>TO</sub>	0,010	kW	Type of energy input		electrical	•	
Standby mode	P <sub>SB</sub>	0,010	kW					
Crankcase heater mode	P <sub>CK</sub>	-	kW					
Other items	•				•			
Capacity control	fixed			For air-to-water heat pumps: Rated air flow rate, outdoors	-	5.000	m <sup>3</sup> /h	
sound power level, indoors/outdoors	L <sub>WA</sub>	63 / 55	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m <sup>3</sup> /h	
Emissions of nitrogen oxides	NO <sub>X</sub>	-	mg/kWh					
For heat pump combination h	eater:							
Declared load profile		-		Water heating energy efficiency	$\eta_{wh}$	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Qfuel	-	kWh	
Contact details		land GmbH Ir	ndustriestr. 3	95359 Kasendorf Germany			•	
				the rated heat output Prated is equ equal to the supplementary capac			eating	
(**) If Cdh is not determined by m		-				<del></del>		
·			-					