

100546LUX02

alpha innotec

LW 251A-LUX 2.0



55 °C

35 °C



A⁺

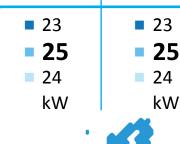




dB



62 dB





2019

811/2013

kW



100546LUX02

alpha innotec

LW 251A-LUX 2.0



55 °C

35 °C



Λ++

 A^+

A

D

L



23

25

24

kW



- dB



62 dB

■ 23 ■ **25** ■ 24 kW



2019

811/2013



IJA ENERG енергия · ενεργεια

100546LUX02

alpha innotec

LW 251A-LUX 2.0 + Luxtronik 2.0

























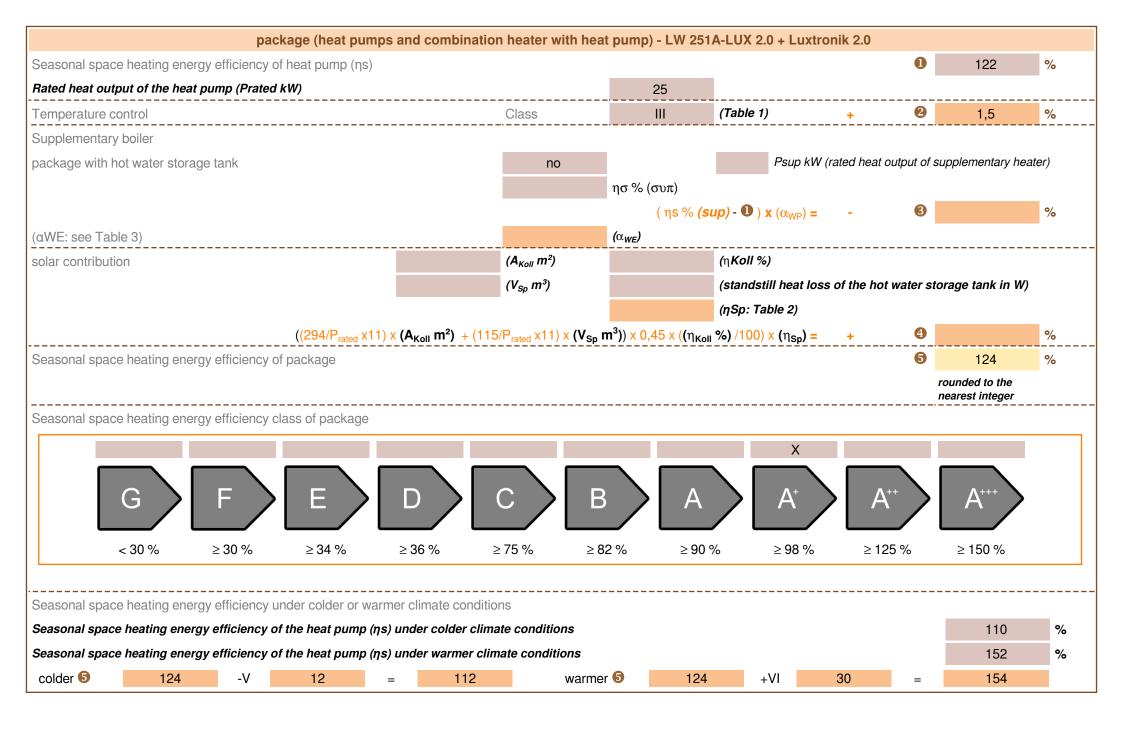


B

E



811/2013



heatpump datasheet:			
manufacturer:	alpha innotec		
model:	LW 251A-LUX 2.0		
Information concerning energy efficiency class and ra	ated 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		-	dB
		·	
special precautions concerning assembly, installation	or maintenance		
All instructional work in this manual may only be carried out regulations.	by quaimed specialist persor	mer in compliance with loca	11
additional information	la	no o divino	
	low	medium	LAM
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		62	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 hea	ater 1,5	%					

Model			LW 251A-LUX 2.0				
Air-to-water heat pump: (yes/no)			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)			medium				
climate: (colder/average/warmer)			average			
Item	Symbol	Value	Unit	Item	Symbol	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_{biv}	-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	e	Supplementary heater			
Off mode	P _{OFF}	0,010	kW	Rated heat output	Psup	7,3	kW
Thermostat-off mode	P _{TO}	0,010	kW	Type of energy input		electrical	•
Standby mode	P_SB	0,010	kW				
Crankcase heater mode	P _{CK}	-	kW				
Other items					•		
Capacity control	fixed			For air-to-water heat pumps: Rated air flow rate, outdoors	-	5.000	m³/h
sound power level, indoors/outdoors	L _{WA}	- / 62	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m ³ /h
Emissions of nitrogen oxides	NO _X	-	mg/kWh	•			•
For heat pump combination h	eater:						
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Contact details	 	and GmbH Ir	ndustriestr. 3	95359 Kasendorf Germany			•
				the rated heat output Prated is equ equal to the supplementary capac			eating
-				tion coefficient is Cdh = 0,9.			

Model				LW 251A-LUX 2.0			
Air-to-water heat pump: (yes/no)			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			
Item	Symbol	Value	Unit	Item	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 outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoor			ndoor
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 _{biv}	-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	active mod	e	Supplementary heater	•		
Off mode	P _{OFF}	0,010	kW	Rated heat output	Psup	7,6	kW
Thermostat-off mode	P _{TO}	0,010	kW	Type of energy input		electrical	
Standby mode	P_{SB}	0,010	kW				
Crankcase heater mode	P _{CK}	-	kW				
Other items							
Capacity control	fixed			For air-to-water heat pumps: Rated air flow rate, outdoors	-	5.000	m ³ /h
sound power level, indoors/outdoors	L _{WA}	- / 62	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m ³ /h
Emissions of nitrogen oxides	NO _X	-	mg/kWh				
For heat pump combination h	eater:						
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Contact details	ait deutsch	land GmbH Ir	dustriestr. 3	95359 Kasendorf Germany			
				the rated heat output Prated is equ equal to the supplementary capac			eating
(**) If Cdh is not determined by m	easuremen	t then the defa	ault degrada	tion coefficient is Cdh = 0,9.			