

100607HMD02

alpha innotec

LWD 50A/RSX-HMD



55 °C

35 °C



^++

A⁺

A

В

L

D



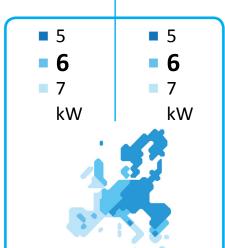




44 dB



58 dB



2019

811/2013



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alpha innotec

LWD 50A/RSX-HMD



55 °C

35 °C



Λ++

Δ+

Δ

В

C



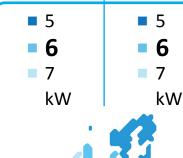




44 dB



58 dB





2019

811/2013



ENERG IJA енергия · ενεργεια

100607HMD02

alpha innotec

LWD 50A/RSX-HMD + Luxtronik 2.1

















2015









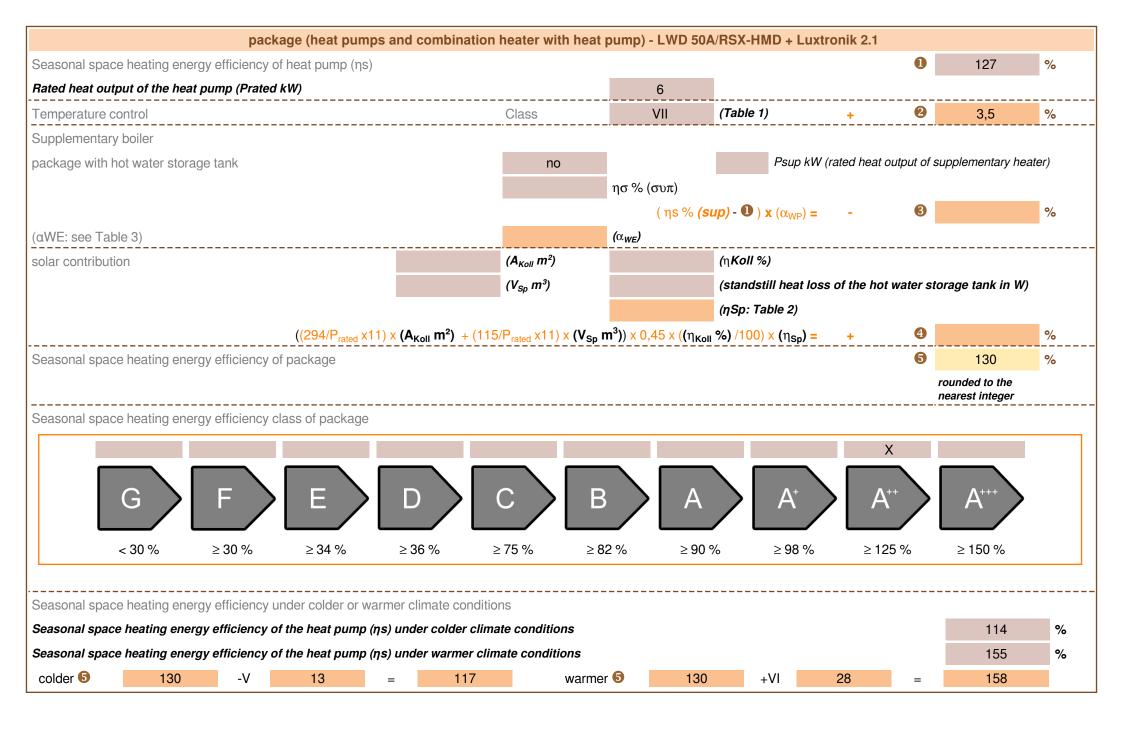




E



811/2013



heatpump datasheet:				
	-luka taurataa			
manufacturer:	alpha innotec			
model:	LWD 50A/RSX-HMD			
Information concerning energy efficiency class and rat	ed neat output:			
	average / low	average / medium		
energy efficiency class space heater:	A++	A++	_	
	6	6	kW	
rated heat output:	152	127	_	
energy efficiency space heater:			%	
annual final energy consumption space heater	3388	3762	kWh	
and an array level in deeper		4.4	4D	
sound power level indoors		44	dB	
special precautions concerning assembly, installation				
All instructional work in this manual may only be carried out b	y qualified specialist persor	nnel in compliance with loca	al	
regulations.				
additional information	low	medium		
rated heat output colder climate	5	5	kW	
rated heat output warmer climate	7	7	kW	
energy effiency space heater colder climate	135	114	%	
energy effiency 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	

technical data of the temperatur	I 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	%	

LWD 50A/RSX-HMD			
yes			
no			
0			
no			
es			
0			
nedium			
verage			
em	Symbol	Value	Unit
easonal space heating nergy efficiency	ηS	126,8	%
Declared coefficient of performmental performment of performmental performs and outdoor performs are seen to be seen the performance of the perfor			indoor
:j = -7°C	COPd	2,28	-
j = +2°C	COPd	3,23	-
j = +7°C	COPd	4,32	-
j = +12°C	COPd	5,36	-
j = bivalent temperature	COPd	2,57	-
j = operation limit temperature	COPd	2,05	-
or air-to-water heat pumps: Tj -15°C (if TOL < -20°C)	COPd	-	-
or air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
cycling interval efficiency	COPcyc	-	-
leating water operating limit emperature	WTOL	62	°C
Supplementary heater	•	•	•
Rated heat output	Psup	2,2	kW
ype of energy input		electrical	•
or air-to-water heat pumps: lated air flow rate, outdoors	-	3.000	m ³ /h
or water-/brine-to-water heat umps: Rated brine or water ow rate, outdoor heat xchanger	-	-	m ³ /h
	•	-	•
Vater heating energy efficiency	/ η _{wh}	-	%
aily fuel consumption	Qfuel	-	kWh
359 Kasendorf Germany			
aily fuel con 359 Kasenc rated heat c ual to the su	sumption lorf Germany output Prated is ed	Issumption Qfuel Iorf Germany Dutput Prated is equal to the de ipplementary capacity for heati	Isumption Qfuel - Iorf Germany Dutput Prated is equal to the design load for happlementary capacity for heating sup(Tj).

Model			LWD 50A/RSX-HMD				
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: (ye	s/no)			no			
Equipped with supplementary he	ater: (yes/no	o)		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	6	kW	Seasonal space heating energy efficiency	ηS	152,4	%
Declared coefficient of perfor temperature 20°C and outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoor			ndoor
Tj = -7°C	Pdh	4,6	kW	Tj = -7°C	COPd	3,04	-
Tj = +2°C	Pdh	5,5	kW	Tj = +2°C	COPd	3,94	-
Tj = +7°C	Pdh	7,0	kW	Tj = +7°C	COPd	4,87	-
Tj = +12°C	Pdh	7,5	kW	Tj = +12°C	COPd	5,54	-
Tj = bivalent temperature	Pdh	4,9	kW	Tj = bivalent temperature	COPd	3,35	-
Tj = operation limit temperature	Pdh	4,2	kW	Tj = operation limit temperature	COPd	2,81	-
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}	-4	°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	62	°C
Power consumption in modes	other thai	n active mod	e	Supplementary heater			
Off mode	P _{OFF}	0,010	kW	Rated heat output	Psup	2,2	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	-	3.000	m ³ /h
sound power level, indoors/outdoors	L _{WA}	44 / 58	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 In	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.			