

10066942

alpha innotec

WZS 122K3M



















ENERGY

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WZS 122K3M











XL XL





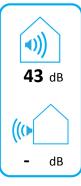
















2019

811/2013

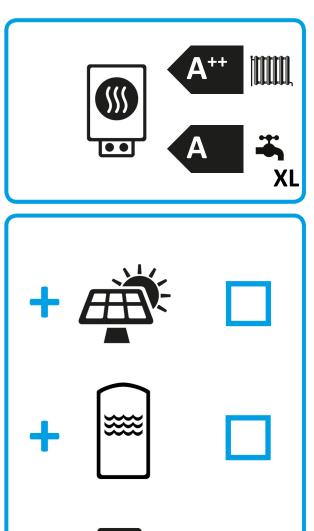


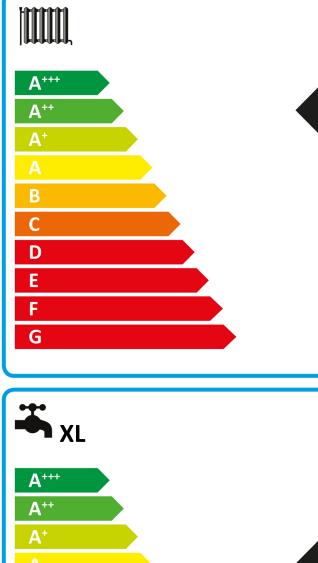
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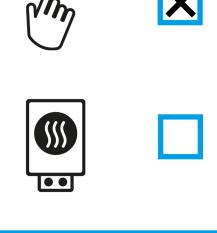
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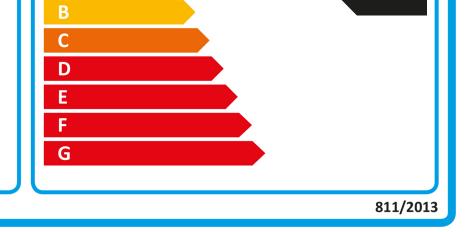
WZS 122K3M + Luxtronik 2.1

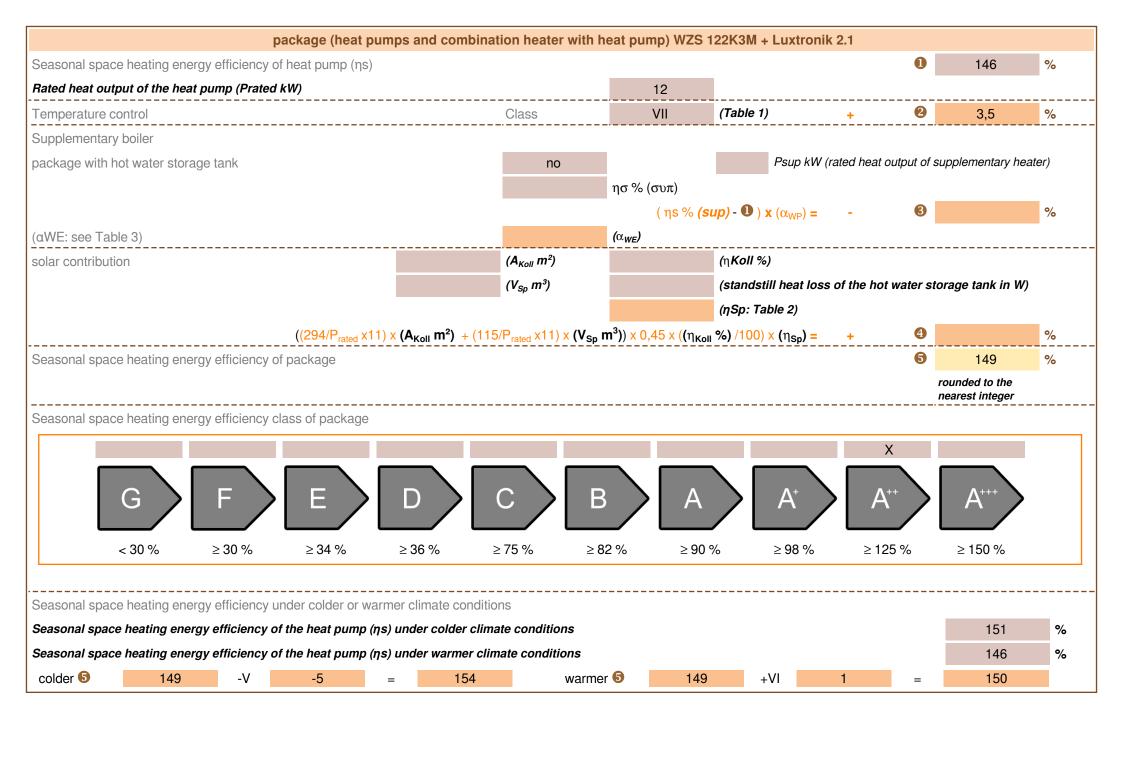






2015





manufacturer:	alpha innotec				
model:					
model.	WZS 122K3M				
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:	14	12	kW		
annual final energy consumption space heater	5325	6603	kWh		
annual electricity consumption waterheating	1709		kWh		
energy efficiency space heater:	207	146	%		
energy efficiency waterheating	100	98			
energy eniciency waterneating	98		%		
	198	10	1		
sound power level indoors	98	43	dB		
	'	43	1		
sound power level indoors	maintenance		dB		
sound power level indoors special precautions concerning assembly, installation or i	maintenance		dB		
sound power level indoors special precautions concerning assembly, installation or i	maintenance		dB		
sound power level indoors special precautions concerning assembly, installation or I All instructional work in this manual may only be carried out by q additional information	maintenance ualified specialist personnel in co	ompliance with local regulations	dB		
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sound power level indoors special precautions concerning assembly, installation or a concerning assembly	maintenance ualified specialist personnel in collaboration low 14 14 6108 3541 1709 1709	medium 12 13 7577 4405	dB kW kWh kWh kWh		
sound power level indoors special precautions concerning assembly, installation or a concerning assembly	maintenance ualified specialist personnel in co low 14 14 6108 3541 1709 1709 214	medium 12 13 7577 4405	dB kW kWh kWh kWh kWh kWh		

technical data of the temperature controller						
manufacturer:	alpha innotec					
model:	Luxtronik 2.1					
controller class		VII	-			
contribution of the controller to the en	ergy efficiency space heater	3,5	%			

Model				WZS 122K3M				
Air-to-water heat pump: (yes/no)				no				
Brine-to-water heat pump: (yes/no)				yes				
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)				yes				
application: (low/medium)				medium				
climate: (colder/average/warmer)				average				
Item	Symbol Value Unit			Item Symbol Value Unit				
Rated heat output	Prated	12	kW	Seasonal space heating energy efficiency	ηS	145,7	%	
Declared coefficient of perfor temperature 20°C and outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoor			indoor	
Tj = -7°C	Pdh	10,9	kW	Tj = -7°C	COPd	3,19	-	
Tj = +2°C	Pdh	11,5	kW	Tj = +2°C	COPd	3,85	-	
Tj = +7°C	Pdh	11,8	kW	Tj = +7°C	COPd	4,34	-	
Tj = +12°C	Pdh	12,2	kW	Tj = +12°C	COPd	4,86	-	
Tj = bivalent temperature	Pdh	10,9	kW	Tj = bivalent temperature	COPd	3,19	-	
Tj = operation limit temperature	Pdh	10,6	kW	Tj = operation limit temperature	COPd	2,97	-	
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}	-7	°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	60	°C	
Power consumption in modes	other than	active mod	e	Supplementary heater				
Off mode	P _{OFF}	0,015	kW	Rated heat output	Psup	1,7	kW	
Thermostat-off mode	P _{TO}	0,015	kW	Type of energy input		electrical	•	
Standby mode	P_{SB}	0,015	kW					
Crankcase heater mode	P _{CK}	-	kW					
Other items								
Capacity control		fixed		For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m ³ /h	
sound power level, indoors/outdoors	L _{WA}	43 / -	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	3	m ³ /h	
Emissions of nitrogen oxides	NO _X	-	mg/kWh		-	-	-	
For heat pump combination h	eater:		-					
Declared load profile		XL		Water heating energy efficiency	η_{wh}	98	%	
Daily electricity consumption	Q _{elec}	7,784	kWh	Daily fuel consumption	Qfuel	-	kWh	
Contact details		land GmbH In	dustriestr. 3	95359 Kasendorf Germany			•	
	and heat pu	ımp combinati	on heaters,	the rated heat output Prated is equ equal to the supplementary capac			eating	
(**) If Cdh is not determined by m		-			*			
,				•				

Model				WZS 122K3M				
Air-to-water heat pump: (yes/no)				no				
Brine-to-water heat pump: (yes/no)				yes				
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)				yes				
application: (low/medium)				low				
climate: (colder/average/warmer)				average				
Item	Symbol	Value	Unit	Item Symbol Value			Unit	
Rated heat output	Prated	14	kW	Seasonal space heating energy efficiency	ηS	207,1	%	
Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature Tj			Declared coefficient of perfor temperature 20°C and outdoor			indoor		
Tj = -7°C	Pdh	12,3	kW	Tj = -7°C	COPd	5,15	-	
Tj = +2°C	Pdh	12,4	kW	Tj = +2°C	COPd	5,45	-	
Tj = +7°C	Pdh	12,6	kW	Tj = +7°C	COPd	5,74	-	
Tj = +12°C	Pdh	12,7	kW	Tj = +12°C	COPd	5,96	-	
Tj = bivalent temperature	Pdh	12,3	kW	Tj = bivalent temperature	COPd	5,15	-	
Tj = operation limit temperature	Pdh	12,2	kW	Tj = operation limit temperature	COPd	5,00	-	
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}	-7	°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	60	°C	
Power consumption in modes	other than	active mod	e	Supplementary heater			•	
Off mode	P _{OFF}	0,015	kW	Rated heat output	Psup	1,7	kW	
Thermostat-off mode	P _{TO}	0,015	kW	Type of energy input		electrical	•	
Standby mode	P_SB	0,015	kW					
Crankcase heater mode	P _{CK}	-	kW					
Other items					•			
Capacity control		fixed		For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m ³ /h	
sound power level, indoors/outdoors	L _{WA}	43 / -	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	3	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	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						,		
,				•				