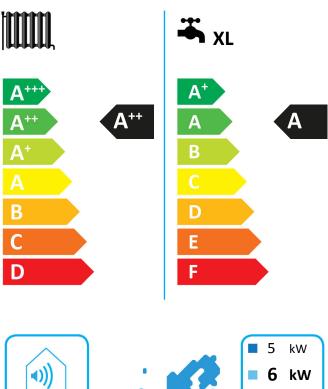
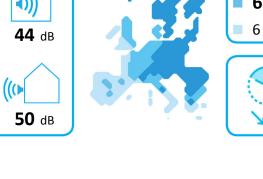


alpha innotec

ЕNERG У ША енергия · ενεργεια (Ε) (А)

100778HSV941 LWAV+ 82R1/3-HSV 9M1/3





2019

811/2013

kW



100778HSV941 LWAV+ 82R1/3-HSV 9M1/3



alpha innotec





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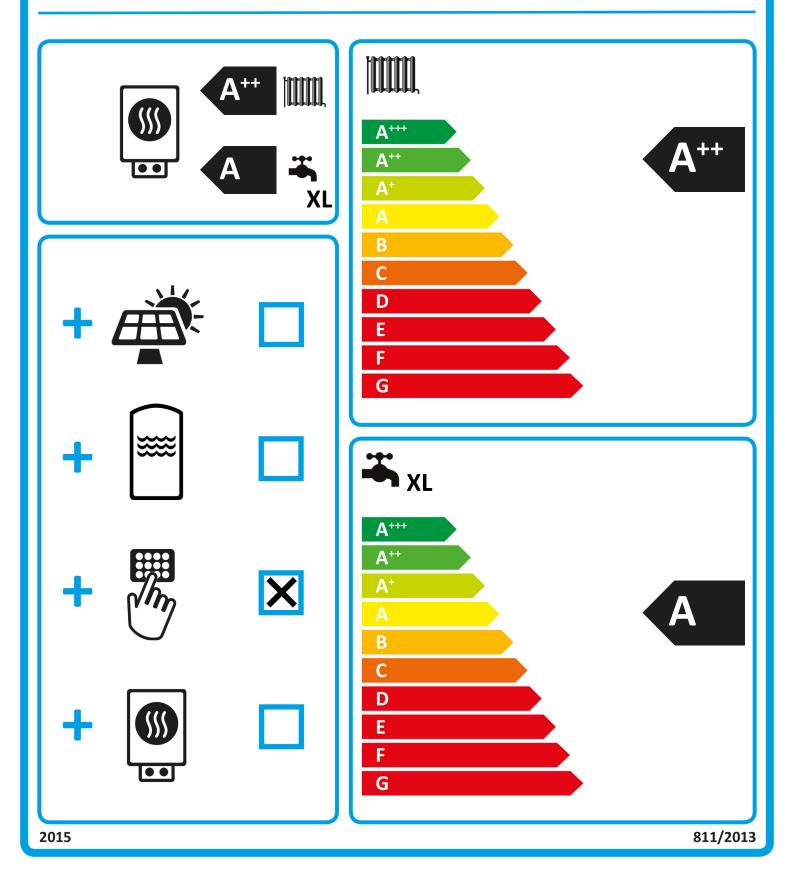


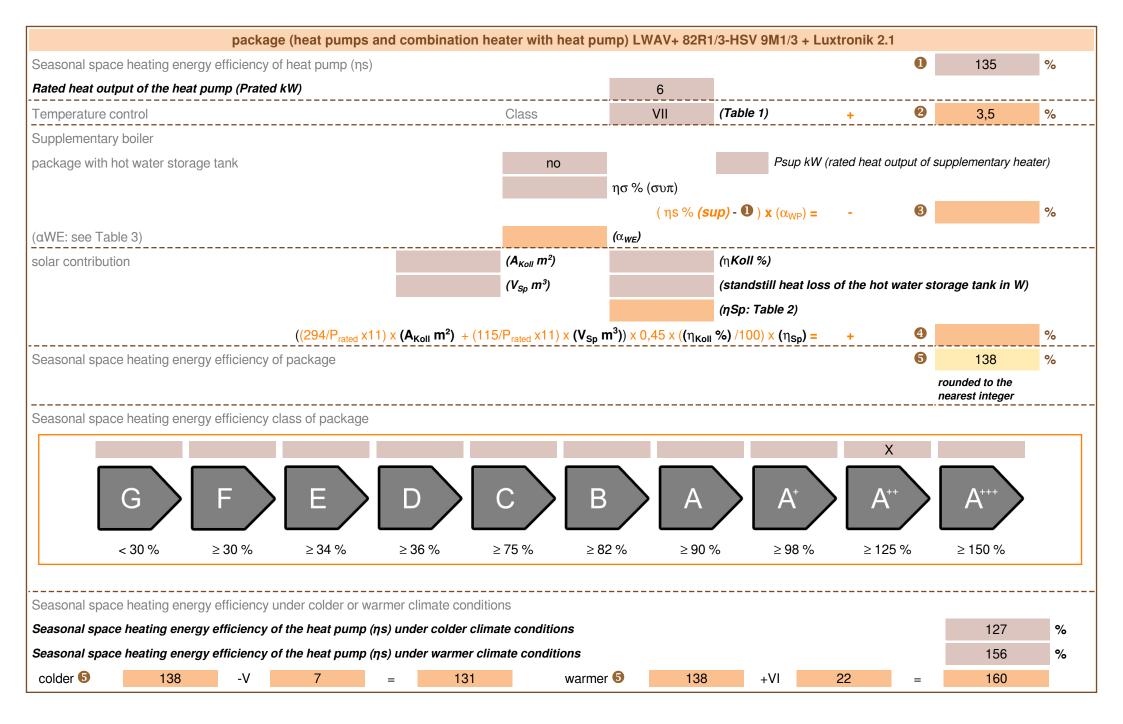


100778HSV941

alpha innotec

LWAV+ 82R1/3-HSV 9M1/3 + Luxtronik 2.1





manufacturer:	alpha innotec				
model:	-	M1/3			
inouei.		LWAV+ 82R1/3-HSV 9M1/3			
Information concerning energy efficiency class and rated	heat output:				
load profile water heating					
	average / low	average / medium			
energy efficiency class space heater:	 A+++	A++	-		
energy efficiency class waterheating		A	-		
rated heat output:	7	6	kW		
annual final energy consumption space heater	3029	3390	kWh		
annual electricity consumption waterheating	1948		kWh		
energy efficiency space heater:	180	135	%		
		86			
	86	44	% dB		
energy efficiency waterheating sound power level indoors	86	44			
		44			
sound power level indoors	maintenance		dB		
sound power level indoors special precautions concerning assembly, installation or	maintenance		dB		
sound power level indoors special precautions concerning assembly, installation or	maintenance		dB		
sound power level indoors special precautions concerning assembly, installation or a All instructional work in this manual may only be carried out by q	maintenance ualified specialist personnel in c	ompliance with local regulations	dB		
sound power level indoors special precautions concerning assembly, installation or in All instructional work in this manual may only be carried out by q additional information	maintenance ualified specialist personnel in c	ompliance with local regulations medium	dB 3.		
sound power level indoors special precautions concerning assembly, installation or in All instructional work in this manual may only be carried out by q additional information rated heat output colder climate	maintenance ualified specialist personnel in c low 7	ompliance with local regulations medium 5	dB s. kW		
sound power level indoors special precautions concerning assembly, installation or a All instructional work in this manual may only be carried out by q additional information rated heat output colder climate rated heat output warmer climate	maintenance ualified specialist personnel in c low 7 4	ompliance with local regulations medium 5 6	dB 3. kW kW		
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 rated heat output colder climate rated heat output warmer climate annual energy consumption space heater colder climate	maintenance ualified specialist personnel in c low 7 4 4339	ompliance with local regulations medium 5 6 3781	dB s. kW kW kWh		
sound power level indoors special precautions concerning assembly, installation or in All instructional work in this manual may only be carried out by q additional information rated heat output colder climate rated heat output warmer climate annual energy consumption space heater colder climate annual energy consumption space heater warmer climate	maintenance ualified specialist personnel in c low 7 4 4339 1009	ompliance with local regulations medium 5 6 3781	dB 3. kW kW kWh kWh		
sound power level indoors special precautions concerning assembly, installation or a All instructional work in this manual may only be carried out by q additional information rated heat output colder climate rated heat output warmer climate annual energy consumption space heater colder climate annual energy consumption space heater warmer climate ann. Electricity consumption waterheating colder climate ann. Electricity consumption waterheating warmer climate energy effiency space heater colder climate	maintenance ualified specialist personnel in c low 7 4 4339 1009 2148	ompliance with local regulations medium 5 6 3781	dB s. kW kW kWh kWh kWh		
sound power level indoors special precautions concerning assembly, installation or a All instructional work in this manual may only be carried out by q additional information rated heat output colder climate rated heat output warmer climate annual energy consumption space heater colder climate annual energy consumption space heater warmer climate annual energy consumption space heater warmer climate annual energy consumption waterheating colder climate	maintenance ualified specialist personnel in c low 7 4 4339 1009 2148 1692	ompliance with local regulations medium 5 6 3781 1844	dB s. kW kW kWh kWh kWh		
sound power level indoors special precautions concerning assembly, installation or a All instructional work in this manual may only be carried out by q additional information rated heat output colder climate rated heat output warmer climate annual energy consumption space heater colder climate annual energy consumption space heater warmer climate ann. Electricity consumption waterheating colder climate energy effiency space heater colder climate	maintenance ualified specialist personnel in c low 7 4 4339 1009 2148 1692 145	ompliance with local regulations medium 5 6 3781 1844	dB s. kW kWh kWh kWh kWh kWh		

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

Model				LWAV+ 82R1/3-HSV 9M1/3				
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)				yes				
application: (low/medium)				medium				
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	134,7	%	
Declared coefficient of perfor temperature 20°C and outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoor			ndoor	
Tj = -7°C	Pdh	5,0	kW	Tj = -7°C	COPd	2,31	-	
Tj = +2°C	Pdh	3,5	kW	Tj = +2°C	COPd	3,43	-	
Tj = +7°C	Pdh	3,0	kW	Tj = +7°C	COPd	4,86	-	
Tj = +12°C	Pdh	3,4	kW	Tj = +12°C	COPd	6,56	-	
Tj = bivalent temperature	Pdh	5,0	kW	Tj = bivalent temperature	COPd	2,31	-	
Tj = operation limit temperature	Pdh	4,2	kW	Tj = operation limit temperature	COPd	2,12	-	
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	n active mod	le	Supplementary heater			<u>-</u>	
Off mode	P _{OFF}	0,031	kW	Rated heat output	Psup	1,4	kW	
Thermostat-off mode	P _{TO}	-	kW	Type of energy input		electrical		
Standby mode	P _{SB}	0,031	kW	1				
Crankcase heater mode	Рск	-	kW	1				
Other items			•					
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2.500	m³/h	
sound power level, indoors/outdoors	L _{WA}	44 / 50	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		XL		Water heating energy efficiency	η_{wh}	86	%	
Daily electricity consumption	Q _{elec}	8,870	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			-		-	- • • •		

Model				LWAV+ 82R1/3-HSV 9M1/3				
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)				yes				
application: (low/medium)				low				
climate: (colder/average/warmer)				average				
Item	Symbol Value Unit			Item Symbol Value Unit				
Rated heat output	Prated	7	kW	Seasonal space heating energy efficiency	ηS	179,8	%	
Declared coefficient of perfor temperature 20°C and outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoo			ndoor	
Tj = -7°C	Pdh	5,9	kW	Tj = -7°C	COPd	3,26	-	
Tj = +2°C	Pdh	3,8	kW	Tj = +2°C	COPd	4,70	-	
Tj = +7°C	Pdh	3,3	kW	Tj = +7°C	COPd	5,97	-	
Tj = +12°C	Pdh	3,4	kW	Tj = +12°C	COPd	7,92	-	
Tj = bivalent temperature	Pdh	5,9	kW	Tj = bivalent temperature	COPd	3,26	-	
Tj = operation limit temperature	Pdh	5,1	kW	Tj = operation limit temperature	COPd	3,18	-	
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}	0,031	kW	Rated heat output	Psup	1,6	kW	
Thermostat-off mode	P _{TO}	-	kW	Type of energy input		electrical		
Standby mode	P _{SB}	0,031	kW	-				
Crankcase heater mode	P _{CK}	-	kW	-				
Other items					1			
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2.500	m³/h	
sound power level, indoors/outdoors	L _{WA}	44 / 50	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		land GmbH Ir	ndustriestr. 3	95359 Kasendorf Germany				
(*) For heat pump space heaters	and heat pu	mp combinat	ion heaters,	the rated heat output Prated is equ equal to the supplementary capac			eating	
-	-	-		tion coefficient is $Cdh = 0.9$.	,	U 17 J/		