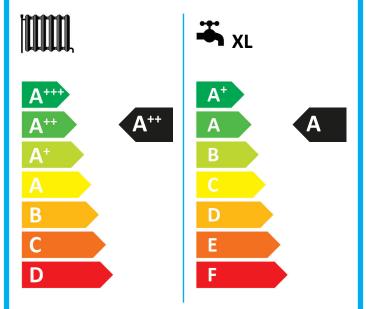


ЕNERG У ША енергия · ενεργεια (Ε) (А

10076241

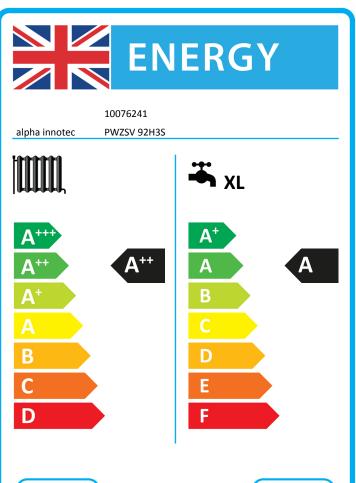
alpha innotec







811/2013





2019

811/2013

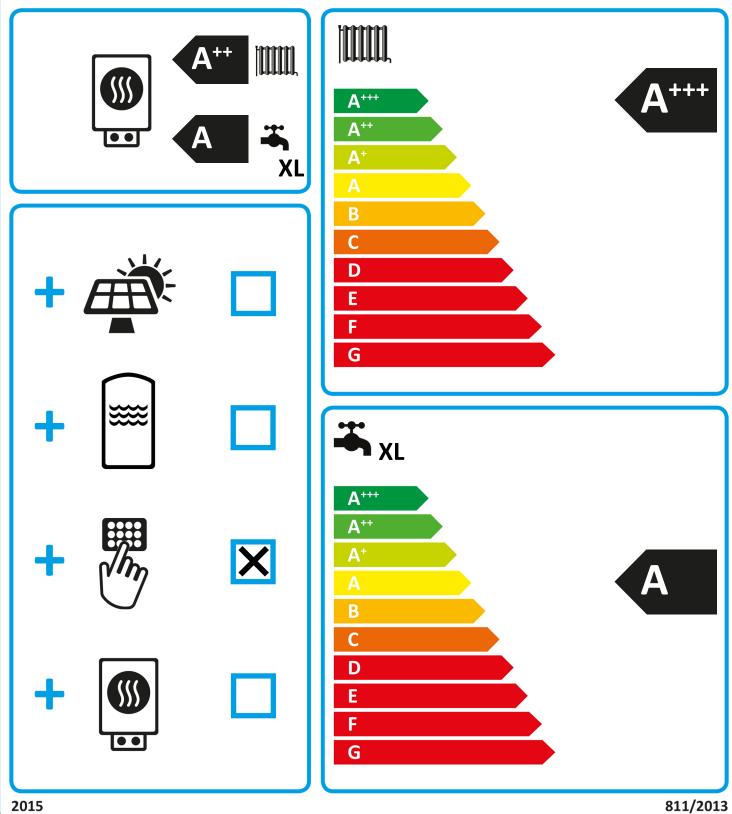


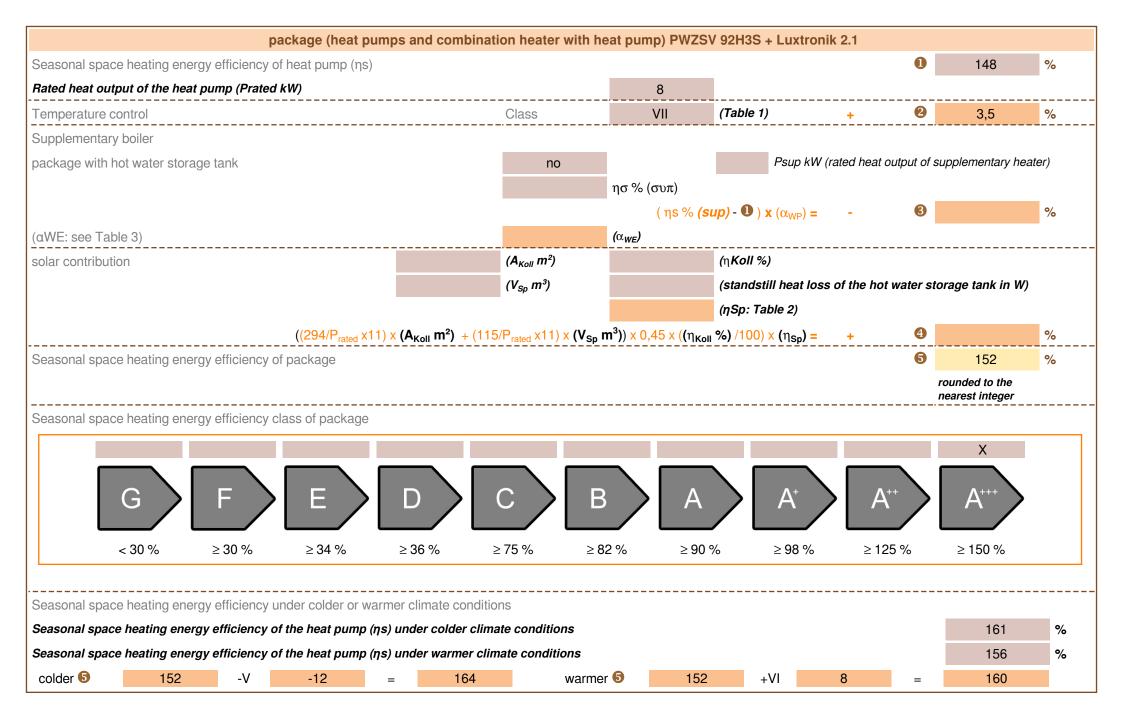


10076241

alpha innotec

PWZSV 92H3S + Luxtronik 2.1





manufacturer:	alpha innotec				
model:	PWZSV 92H3S				
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:	9	8	kW		
annual final energy consumption space heater	3337	3963	kWh		
annual electricity consumption waterheating	1675		kWh		
energy efficiency space heater:	203	148	%		
sound power level indoors	100	47	% dB		
energy efficiency waterheating sound power level indoors special precautions concerning assembly, installation or All instructional work in this manual may only be carried out by c	maintenance		dB		
sound power level indoors special precautions concerning assembly, installation or	maintenance		dB		
sound power level indoors special precautions concerning assembly, installation or All instructional work in this manual may only be carried out by c additional information	maintenance jualified specialist personnel in c	ompliance with local regulations	dB		
sound power level indoors special precautions concerning assembly, installation or All instructional work in this manual may only be carried out by c additional information rated heat output colder climate	maintenance jualified specialist personnel in c	ompliance with local regulations medium	dB		
sound power level indoors special precautions concerning assembly, installation or All instructional work in this manual may only be carried out by c additional information rated heat output colder climate rated heat output warmer climate	maintenance jualified specialist personnel in c low 9	ompliance with local regulations medium 9	dB 3. kW		
sound power level indoors special precautions concerning assembly, installation or All instructional work in this manual may only be carried out by c	maintenance jualified specialist personnel in c low 9 9	ompliance with local regulations medium 9 9	dB 3. kW kW		
sound power level indoors special precautions concerning assembly, installation or All instructional work in this manual may only be carried out by c additional information rated heat output colder climate rated heat output warmer climate annual energy consumption space heater colder climate	maintenance jualified specialist personnel in c low 9 9 9 3964	ompliance with local regulations medium 9 9 4967	dB s. kW kW kWh		
sound power level indoors special precautions concerning assembly, installation or All instructional work in this manual may only be carried out by c 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 waterheating colder climate	maintenance jualified specialist personnel in c low 9 9 3964 2257	ompliance with local regulations medium 9 9 4967	dB 3. kW kW kWh kWh		
sound power level indoors special precautions concerning assembly, installation or All instructional work in this manual may only be carried out by c 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 Jualified specialist personnel in c low 9 9 3964 2257 1675	ompliance with local regulations medium 9 9 4967	dB s. kW kWh kWh kWh		
sound power level indoors special precautions concerning assembly, installation or All instructional work in this manual may only be carried out by c 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 jualified specialist personnel in c low 9 9 3964 2257 1675 1675	ompliance with local regulations medium 9 9 4967 2763	dB 3. kW kW kWh kWh kWh		
sound power level indoors special precautions concerning assembly, installation or All instructional work in this manual may only be carried out by c 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 waterheating colder climate ann. Electricity consumption waterheating warmer climate	maintenance pualified specialist personnel in c low 9 9 9 3964 2257 1675 1675 203	ompliance with local regulations medium 9 9 4967 2763	dB 3. kW 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 energy efficiency space heater	3,5	%					

Model			PWZSV 92H3S					
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				Unit	
Rated heat output	Prated	8	kW	Seasonal space heating energy efficiency	ηS	148,4	%	
Declared coefficient of perfor temperature 20°C and outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoor			ndoor	
Tj = -7°C	Pdh	6,6	kW	Tj = -7°C	COPd	2,96	-	
Tj = +2°C	Pdh	4,1	kW	Tj = +2°C	COPd	3,95	-	
Tj = +7°C	Pdh	2,6	kW	Tj = +7°C	COPd	4,55	-	
Tj = +12°C	Pdh	1,8	kW	Tj = +12°C	COPd	4,91	-	
Tj = bivalent temperature	Pdh	6,9	kW	Tj = bivalent temperature	COPd	2,86	-	
Tj = operation limit temperature	Pdh	6,9	kW	Tj = operation limit temperature	COPd	2,82	-	
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}	-8	°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	65	°C	
Power consumption in modes	other that	n active mod	e	Supplementary heater				
Off mode	P _{OFF}	0,012	kW	Rated heat output	Psup	-	kW	
Thermostat-off mode	P _{TO}	0,019	kW	Type of energy input		electrical		
Standby mode	P _{SB}	0,012	kW					
Crankcase heater mode	Р _{ск}	-	kW					
Other items								
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m³/h	
sound power level, indoors/outdoors	L _{WA}	47 / -	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	1	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}	100	%	
Daily electricity consumption	Q _{elec}	7,628	kWh	Daily fuel consumption	Qfuel	-	kWh	
Contact details			Idustriestr. 3	95359 Kasendorf Germany				
(*) For heat pump space heaters	and heat pu	Imp combinati	ion heaters,	the rated heat output Prated is equ			eating	
(**) If Cdh is not determined by m		-			,	0 1. (. 1).		

Model				PWZSV 92H3S				
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	9	kW	Seasonal space heating energy efficiency	ηS	202,5	%	
Declared coefficient of perfor temperature 20°C and outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoor			ndoor	
Tj = -7°C	Pdh	7,5	kW	Tj = -7°C	COPd	4,01	-	
Tj = +2°C	Pdh	4,6	kW	Tj = +2°C	COPd	5,33	-	
Tj = +7°C	Pdh	3,0	kW	Tj = +7°C	COPd	6,11	-	
Tj = +12°C	Pdh	1,7	kW	Tj = +12°C	COPd	6,64	-	
Tj = bivalent temperature	Pdh	7,9	kW	Tj = bivalent temperature	COPd	3,82	-	
Tj = operation limit temperature	Pdh	7,9	kW	Tj = operation limit temperature	COPd	3,78	-	
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}	-8	°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	65	°C	
Power consumption in modes	other that	n active mod	le	Supplementary heater				
Off mode	P _{OFF}	0,012	kW	Rated heat output	Psup	-	kW	
Thermostat-off mode	P _{TO}	0,019	kW	Type of energy input		electrical		
Standby mode	P _{SB}	0,012	kW	-				
Crankcase heater mode	Рск	-	kW					
Other items	•				•			
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m³/h	
sound power level, indoors/outdoors	L _{WA}	47 / -	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	1	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 Iı	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			-					
, ,								