

10070342

alpha innotec

SW 102H3



55 °C

35 °C





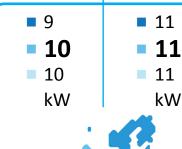




44 dB



dB





2019

811/2013

11

kW



10070342

alpha innotec

SW 102H3



55 °C

35 °C



Λ ++

 \mathbf{A}^{+}

Δ

В

C

Г

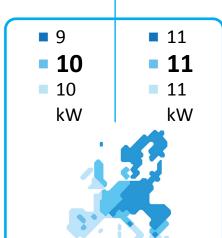
A++







dB



2019

811/2013



IJA ENERG енергия · ενεργεια

10070342

alpha innotec

SW 102H3 + Luxtronik 2.1































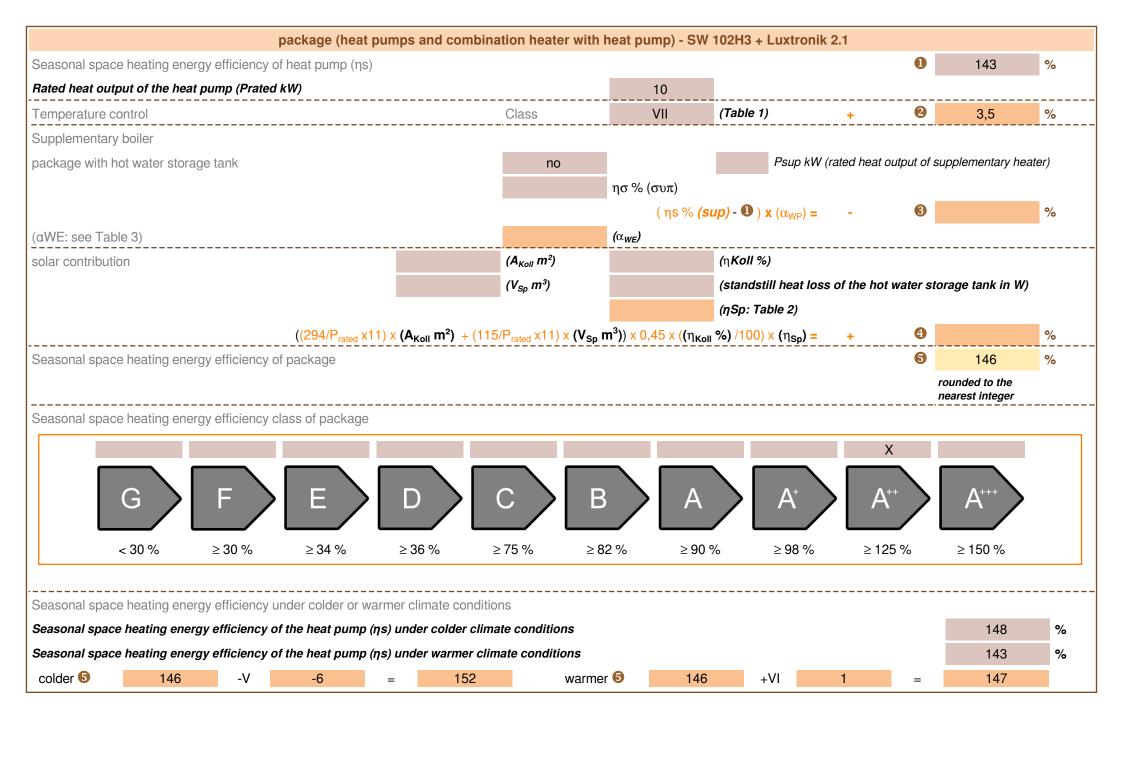








811/2013



	1			
manufacturer:	alpha innotec			
model:	SW 102H3			
Information concerning energy efficiency class and rate	d heat output:			
	•	_		
	average / low	average / medium		
energy efficiency class space heater:	A+++	A++	-	
rated heat output:	11	10	kW	
energy efficiency space heater:	214	143	%	
annual final energy consumption space heater	3934	5241	kWh	
sound power level indoors		44	dB	
special precautions concerning assembly, installation of			.1	
special precautions concerning assembly, installation of All instructional work in this manual may only be carried out by regulations.		nnel in compliance with loca	al	
All instructional work in this manual may only be carried out by regulations.	qualified specialist persor		al	
All instructional work in this manual may only be carried out by regulations. additional information	qualified specialist persor	medium		
All instructional work in this manual may only be carried out by regulations. additional information rated heat output colder climate	qualified specialist persor	medium 9	kW	
All instructional work in this manual may only be carried out by regulations. additional information rated heat output colder climate rated heat output warmer climate	low 11 11	medium 9 10	kW kW	
All instructional work in this manual may only be carried out by regulations. additional information rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate	low 11 11 223	medium 9 10 148	kW kW %	
All instructional work in this manual may only be carried out by regulations. additional information rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate energy effiency space heater warmer climate	low 11 11 223 215	medium 9 10 148 143	kW kW %	
All instructional work in this manual may only be carried out by regulations. additional information rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate	low 11 11 223	medium 9 10 148	kW kW	
All instructional work in this manual may only be carried out by regulations. additional information rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate energy effiency space heater warmer climate	low 11 11 223 215	medium 9 10 148 143	kW kW %	
All instructional work in this manual may only be carried out by regulations. additional information rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate energy effiency space heater warmer climate annual energy consumption space heater colder climate	low 11 11 223 215 4478	medium 9 10 148 143 5980	kW kW % 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				SW 102H3				
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)				no				
application: (low/medium)				medium				
climate: (colder/average/warmer)				average				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output	Prated	10	kW	Seasonal space heating energy efficiency	ηS	142,7	%	
Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature Tj			Declared coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature Tj					
Tj = -7°C	Pdh	8,5	kW	Tj = -7°C	COPd	3,05	-	
Tj = +2°C	Pdh	8,9	kW	Tj = +2°C	COPd	3,76	-	
Tj = +7°C	Pdh	9,1	kW	Tj = +7°C	COPd	4,35	-	
Tj = +12°C	Pdh	9,4	kW	Tj = +12°C	COPd	5,09	-	
Tj = bivalent temperature	Pdh	8,5	kW	Tj = bivalent temperature	COPd	3,05	-	
Tj = operation limit temperature	Pdh	8,3	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}	-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 that	n active mod	e	Supplementary heater				
Off mode	P _{OFF}	0,015	kW	Rated heat output	Psup	1,3	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}	44 / -	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	2	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	-	-	-	
				the rated heat output Prated is equ equal to the supplementary capac			eating	
(**) If Cdh is not determined by m	neasuremen	t then the defa	ault degrada	tion coefficient is Cdh = 0,9.				

Model				SW 102H3				
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)				no				
application: (low/medium)				low				
climate: (colder/average/warmer)				average				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output	Prated	11	kW	Seasonal space heating energy efficiency	ηS	214,2	%	
Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature Tj				
Tj = -7°C	Pdh	9,4	kW	Tj = -7°C	COPd	5,23	-	
Tj = +2°C	Pdh	9,5	kW	Tj = +2°C	COPd	5,63	-	
Tj = +7°C	Pdh	9,6	kW	Tj = +7°C	COPd	6,05	-	
Tj = +12°C	Pdh	9,7	kW	Tj = +12°C	COPd	6,52	-	
Tj = bivalent temperature	Pdh	9,4	kW	Tj = bivalent temperature	COPd	5,23	-	
Tj = operation limit temperature	Pdh	9,3	kW	Tj = operation limit temperature	COPd	5,05	-	
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 that	n active mod	e	Supplementary heater				
Off mode	P _{OFF}	0,015	kW	Rated heat output	Psup	1,3	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}	44 / -	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	2	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				
				the rated heat output Prated is equested and the supplementary capac			eating	
(**) If Cdh is not determined by m		-			•			
			-					