

10069241

alpha innotec

SWC 82K3



55 °C

35 °C



**\Lambda** ++

A<sup>+</sup>

Λ

A<sup>++</sup>

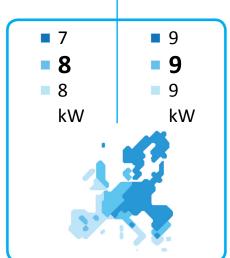
A\*\*\*



**43** dB



- dB



2019

811/2013



10069241

alpha innotec

SWC 82K3



55 °C

35 °C



**Λ** ++

 $\mathbf{A}^{+}$ 

Δ

В

L

D

Δ++

A+++





**-** dB

2019

811/2013



## IJA ENERG енергия · ενεργεια

10069241

alpha innotec

SWC 82K3 + Luxtronik 2.1





























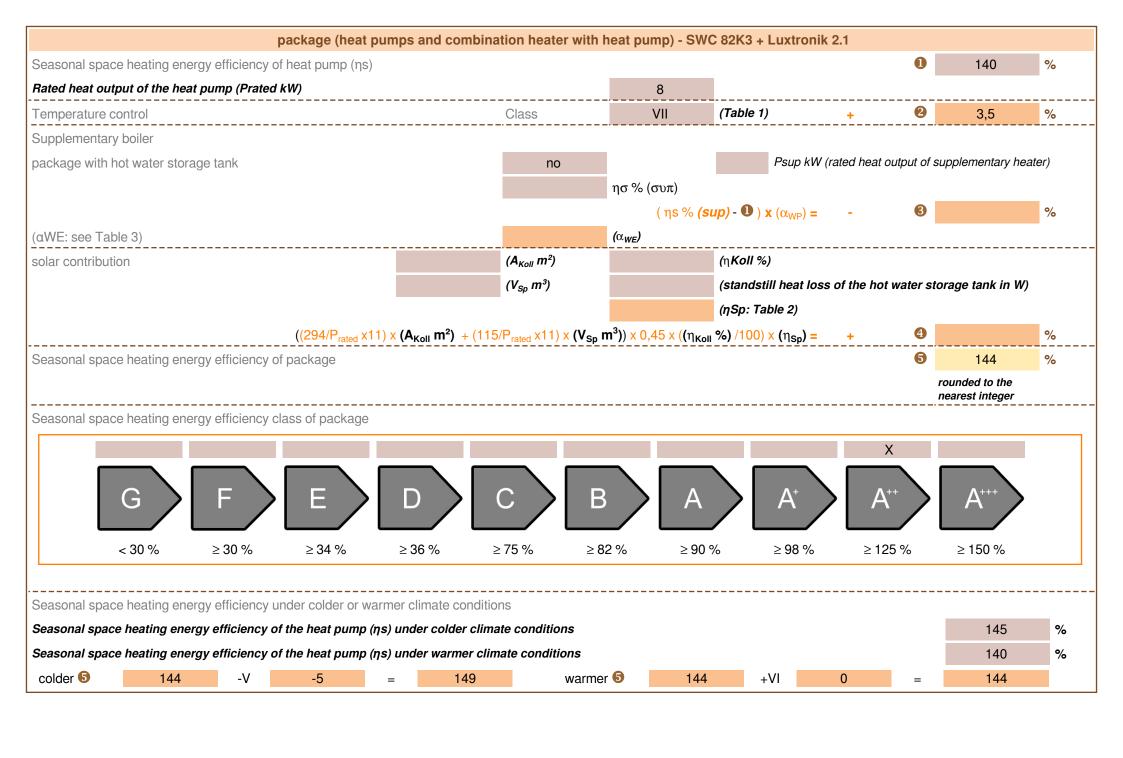




B







manufacturer:	alpha innatas			
	alpha innotec SWC 82K3			
model:				
Information concerning analysis officional place and ret	ad boot output.			
Information concerning energy efficiency class and rate	ed neat output:			
	average / low	average / medium		
energy efficiency class space heater:	A+++	A++	-	
rated heat output:	9	8	kW	
energy efficiency space heater:	198	140	%	
annual final energy consumption space heater	3468	4190	kWh	
	•	•		
sound power level indoors		43	dB	
special precautions concerning assembly, installation of				
All instructional work in this manual may only be carried out by regulations.	qualified specialist persor	nnel in compliance with loca	al	
·	y qualified specialist persor	nnel in compliance with loca	al	
·	y qualified specialist persor	nnel in compliance with loca	al	
regulations.	y qualified specialist persor	nnel in compliance with loca	al	
regulations.  additional information			kW	
additional information rated heat output colder climate	low	medium		
additional information rated heat output colder climate rated heat output warmer climate	low 9	medium 7	kW	
additional information rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate	low 9 9	medium 7 8	kW kW	
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 9 9 204	medium 7 8 145	kW kW	
·	low 9 9 204 198	medium 7 8 145 140	kW kW %	
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 9 9 9 204 198 3991	medium 7 8 145 140 4813	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				SWC 82K3				
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	8	kW	Seasonal space heating energy efficiency	ηS	140,3	%	
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	6,7	kW	Tj = -7°C	COPd	3,13	-	
Tj = +2°C	Pdh	7,1	kW	Tj = +2°C	COPd	3,76	-	
Tj = +7°C	Pdh	7,3	kW	Tj = +7°C	COPd	4,21	-	
Tj = +12°C	Pdh	7,6	kW	Tj = +12°C	COPd	4,63	-	
Tj = bivalent temperature	Pdh	6,7	kW	Tj = bivalent temperature	COPd	3,13	-	
Tj = operation limit temperature	Pdh	6,5	kW	Tj = operation limit temperature	COPd	2,91	-	
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 <sub>biv</sub>	-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 mode				Supplementary heater				
Off mode	P <sub>OFF</sub>	0,015	kW	Rated heat output	Psup	1,0	kW	
Thermostat-off mode	P <sub>TO</sub>	0,015	kW	Type of energy input		electrical	•	
Standby mode	P <sub>SB</sub>	0,015	kW					
Crankcase heater mode	P <sub>CK</sub>	-	kW					
Other items								
Capacity control	fixed			For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m <sup>3</sup> /h	
sound power level, indoors/outdoors	L <sub>WA</sub>	43 / -	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	2	m <sup>3</sup> /h	
Emissions of nitrogen oxides	NO <sub>X</sub>	-	mg/kWh					
For heat pump combination h	eater:							
Declared load profile		-		Water heating energy efficiency	$\eta_{wh}$	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	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				SWC 82K3				
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	9	kW	Seasonal space heating energy efficiency	ηS	198,1	%	
Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature Tj			Declared coefficient of perfor temperature 20°C and outdoo			indoor		
Tj = -7°C	Pdh	7,7	kW	Tj = -7°C	COPd	5,02	-	
Tj = +2°C	Pdh	7,8	kW	Tj = +2°C	COPd	5,29	-	
Tj = +7°C	Pdh	7,9	kW	Tj = +7°C	COPd	5,54	-	
Tj = +12°C	Pdh	8,0	kW	Tj = +12°C	COPd	5,65	-	
Tj = bivalent temperature	Pdh	7,7	kW	Tj = bivalent temperature	COPd	5,02	-	
Tj = operation limit temperature	Pdh	7,6	kW	Tj = operation limit temperature	COPd	4,88	-	
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 <sub>biv</sub>	-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 tha	n active mod	le	Supplementary heater			1	
Off mode	P <sub>OFF</sub>	0,015	kW	Rated heat output	Psup	1,1	kW	
Thermostat-off mode	P <sub>TO</sub>	0,015	kW	Type of energy input		electrical	<u> </u>	
Standby mode	P <sub>SB</sub>	0,015	kW					
Crankcase heater mode	P <sub>CK</sub>	-	kW					
Other items	•		•	•	•			
Capacity control	fixed			For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m <sup>3</sup> /h	
sound power level, indoors/outdoors	L <sub>WA</sub>	43 / -	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	2	m <sup>3</sup> /h	
Emissions of nitrogen oxides	NO <sub>X</sub>	-	mg/kWh					
For heat pump combination h	eater:							
Declared load profile		-		Water heating energy efficiency	$\eta_{wh}$	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	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		-			-			
			-					