

10072941

alpha innotec

SWCV 122K3



55 °C

35 °C



Λ++

Δ+

A

D

П

A+++



12

12

12

kW



44 dB



dB

■ 12 ■ **12** ■ 12 kW



2019

811/2013



10072941

alpha innotec

SWCV 122K3



55 °C

35 °C







44 dB



dB

2019

811/2013



ENERG Υ UA EHEPΓИЯ · ενεργεια III IA

10072941

alpha innotec

SWCV 122K3 + Luxtronik 2.1























 A^+

A

B

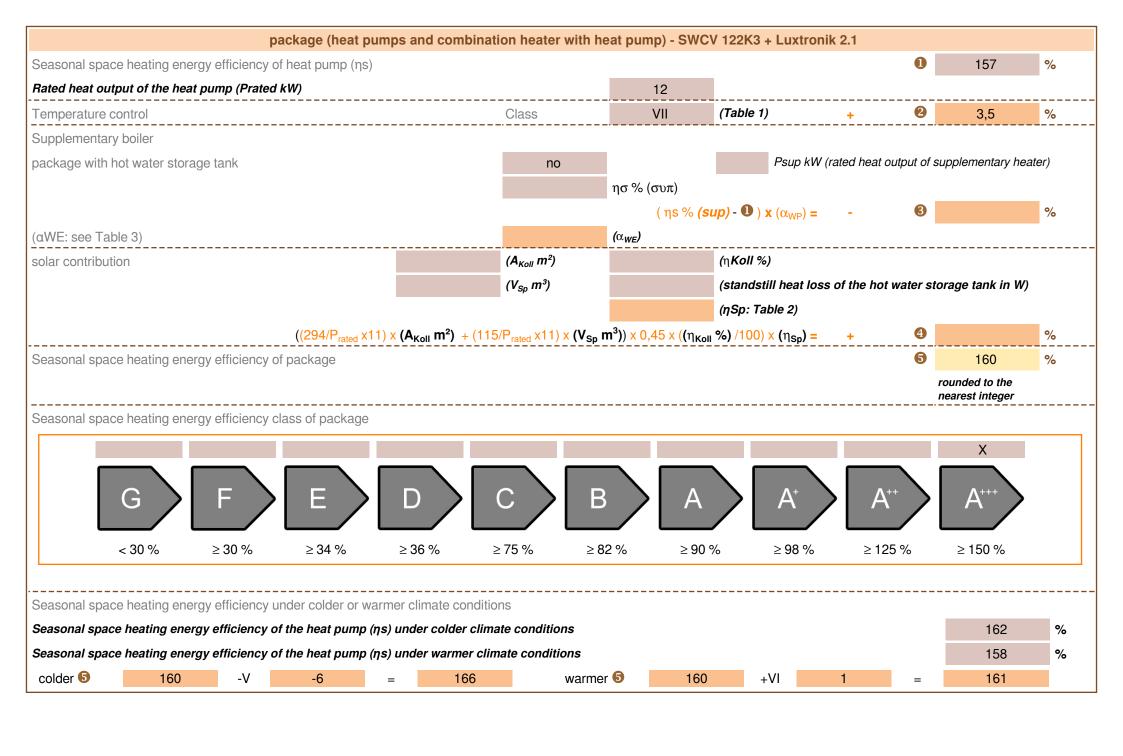
C

D

G







manufacturer:	alpha innotec			
model:	SWCV 122K3			
	•			
Information concerning energy efficiency class and rate	d heat output:			
	average / low	average / medium		
energy efficiency class space heater:	A+++	A+++	-	
rated heat output:	12	12	kW	
energy efficiency space heater:	201	157	%	
annual final energy consumption space heater	4588	6220	kWh	
	•	•		
sound power level indoors		44	dB	
All instructional work in this manual may only be carried out by		nnel in compliance with loca	al	
All instructional work in this manual may only be carried out by		nnel in compliance with loca	al	
special precautions concerning assembly, installation o 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.		nnel in compliance with loca	al	
All instructional work in this manual may only be carried out by regulations. additional information	qualified specialist persor	•	al kW	
All instructional work in this manual may only be carried out by	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 12	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	qualified specialist persor	medium 12 12	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	low 12 12 208	medium 12 12 12 162	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 12 12 208 204	medium 12 12 12 162 158	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 12 12 208 204 5293	medium 12 12 12 162 158 7177	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				SWCV 122K3				
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	12	kW	Seasonal space heating energy efficiency	ηS	156,7	%	
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	11,1	kW	Tj = -7°C	COPd	3,18	-	
Tj = +2°C	Pdh	6,8	kW	Tj = +2°C	COPd	4,12	-	
Tj = +7°C	Pdh	4,4	kW	Tj = +7°C	COPd	4,67	-	
Tj = +12°C	Pdh	2,6	kW	Tj = +12°C	COPd	5,06	-	
Tj = bivalent temperature	Pdh	12,3	kW	Tj = bivalent temperature	COPd	2,91	-	
Tj = operation limit temperature	Pdh	12,3	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 _{biv}	-10	°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}	0,005	kW	Rated heat output	Psup	-	kW	
Thermostat-off mode	P _{TO}	0,015	kW	Type of energy input		electrical	•	
Standby mode	P_SB	0,007	kW					
Crankcase heater mode	P _{CK}	-	kW					
Other items								
Capacity control	variable			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	-	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 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	it then the defa	ault degrada	tion coefficient is Cdh = 0,9.				

Model				SWCV 122K3				
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	12	kW	Seasonal space heating energy efficiency	ηS	200,9	%	
Declared coefficient of perfor temperature 20°C and outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoor			indoor	
Tj = -7°C	Pdh	10,3	kW	Tj = -7°C	COPd	4,52	-	
Tj = +2°C	Pdh	6,3	kW	Tj = +2°C	COPd	5,27	-	
Tj = +7°C	Pdh	4,1	kW	Tj = +7°C	COPd	5,60	-	
Tj = +12°C	Pdh	2,7	kW	Tj = +12°C	COPd	5,78	-	
Tj = bivalent temperature	Pdh	11,5	kW	Tj = bivalent temperature	COPd	4,26	-	
Tj = operation limit temperature	Pdh	11,5	kW	Tj = operation limit temperature	COPd	4,26	-	
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}	-10	°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}	0,005	kW	Rated heat output	Psup	-	kW	
Thermostat-off mode	P _{TO}	0,015	kW	Type of energy input		electrical	•	
Standby mode	P_SB	0,007	kW					
Crankcase heater mode	P _{CK}	-	kW					
Other items								
Capacity control	variable			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	-	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 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	it then the defa	ault degrada	tion coefficient is Cdh = 0,9.				