

10071841

alpha innotec

SWCV162K3



55 °C

35 °C







44 dB



dB

16 **1**6

16 16 16 16 kW kW



2019

811/2013



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alpha innotec

SWCV162K3



55 °C

35 °C



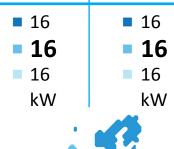




44 dB



dB





2019

811/2013



ENERG Y UA EHEPΓИЯ · ενεργεια IE IA

10071841

alpha innotec

SWCV162K3 + Luxtronik 2.1





















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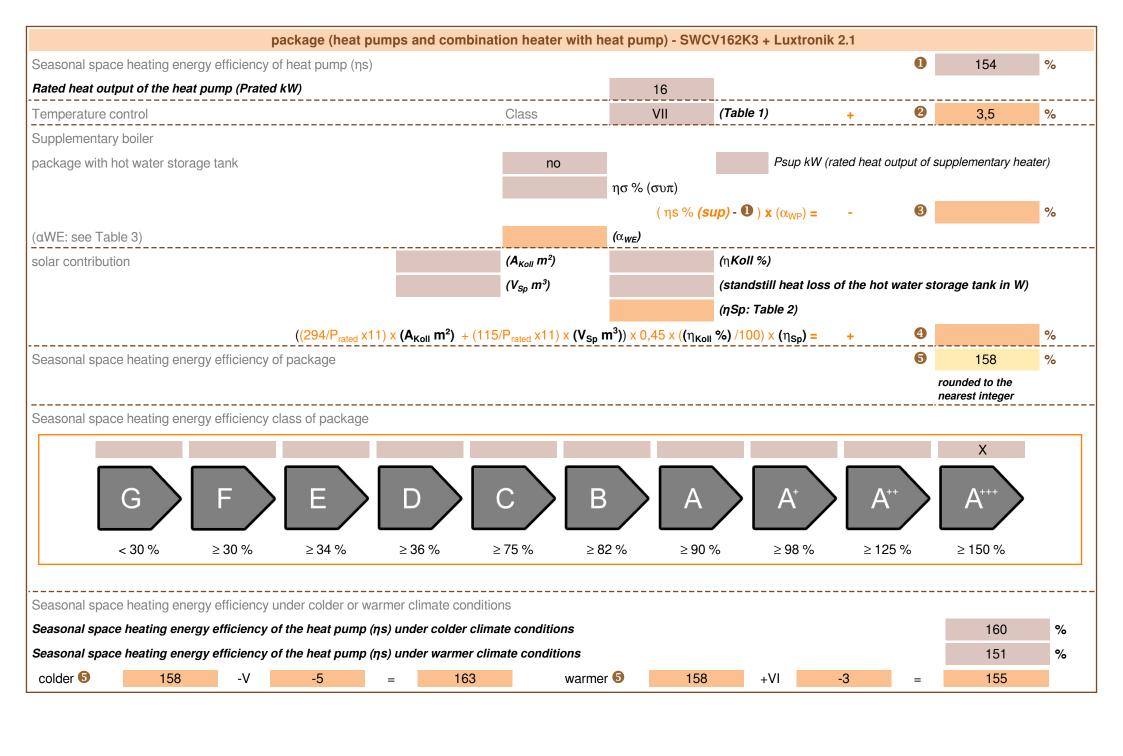


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manufacturor	alaha innatas			
manufacturer:	alpha innotec			
model:	SWCV162K3			
	- d le - st t			
Information concerning energy efficiency class and rate	ed neat output:			
	average / low	average / medium		
energy efficiency class space heater:	A+++	A+++	-	
rated heat output:	16	16	kW	
energy efficiency space heater:	199	154	%	
annual final energy consumption space heater	6355	8154	kWh	
	•	•		
sound power level indoors		44	dB	
special precautions concerning assembly, installation of				
All instructional work in this manual may only be carried out by	qualified specialist persor	nnel in compliance with loca	al	
	• • •	•		
regulations.		·		
regulations.		·	•	
regulations.		·	•	
regulations.		·		
regulations.		·		
additional information	low	medium		
additional information rated heat output colder climate	low 16	16	kW	
additional information rated heat output colder climate rated heat output warmer climate	low 16 16	16 16		
additional information rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate	low 16 16 210	16 16 160	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 16 16	16 16 160 151	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 16 16 210	16 16 160	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 warmer climate annual energy consumption space heater warmer climate	low 16 16 210 197	16 16 160 151	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 16 16 210 197 7198	16 16 160 151 9415	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 ϵ	energy efficiency space heater	3,5	%		

Model				SWCV162K3				
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	16	kW	Seasonal space heating energy efficiency	ηS	154,2	%	
Declared coefficient of perfor temperature 20°C and outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoor			indoor	
Tj = -7°C	Pdh	14,2	kW	Tj = -7°C	COPd	3,00	-	
Tj = +2°C	Pdh	8,7	kW	Tj = +2°C	COPd	4,10	-	
Tj = +7°C	Pdh	5,6	kW	Tj = +7°C	COPd	4,90	-	
Tj = +12°C	Pdh	5,5	kW	Tj = +12°C	COPd	5,00	-	
Tj = bivalent temperature	Pdh	15,4	kW	Tj = bivalent temperature	COPd	2,80	-	
Tj = operation limit temperature	Pdh	15,4	kW	Tj = operation limit temperature	COPd	2,80	-	
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}	0,002	kW	Rated heat output	Psup	-	kW	
Thermostat-off mode	P _{TO}	0,020	kW	Type of energy input		electrical	•	
Standby mode	P_SB	0,007	kW					
Crankcase heater mode	P _{CK}	0,030	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	-	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				SWCV162K3			
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	16	kW	Seasonal space heating energy efficiency	ηS	198,8	%
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	14,2	kW	Tj = -7°C	COPd	4,19	-
Tj = +2°C	Pdh	8,7	kW	Tj = +2°C	COPd	5,26	-
Tj = +7°C	Pdh	5,7	kW	Tj = +7°C	COPd	6,06	-
Tj = +12°C	Pdh	5,8	kW	Tj = +12°C	COPd	5,88	-
Tj = bivalent temperature	Pdh	15,9	kW	Tj = bivalent temperature	COPd	3,90	-
Tj = operation limit temperature	Pdh	15,9	kW	Tj = operation limit temperature	COPd	3,90	-
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}	0,002	kW	Rated heat output	Psup	-	kW
Thermostat-off mode	P _{TO}	0,020	kW	Type of energy input		electrical	•
Standby mode	P_SB	0,007	kW				
Crankcase heater mode	P _{CK}	0,030	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	-	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.			