

10071841

alpha innotec

SWCV162K3



55 °C

35 °C

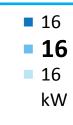


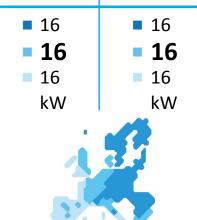


44 dB



dB





2019

811/2013



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SWCV162K3



55 °C

35 °C



A+++

A+++

Λ+

Λ

В

C

П



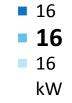
44 dB



- dB

161616

kW





2019

811/2013



ENERG Y UA enepγus · ενεργεια IE IA

10071841

alpha innotec

SWCV162K3 + Luxtronik 2.1





















2015













C

D

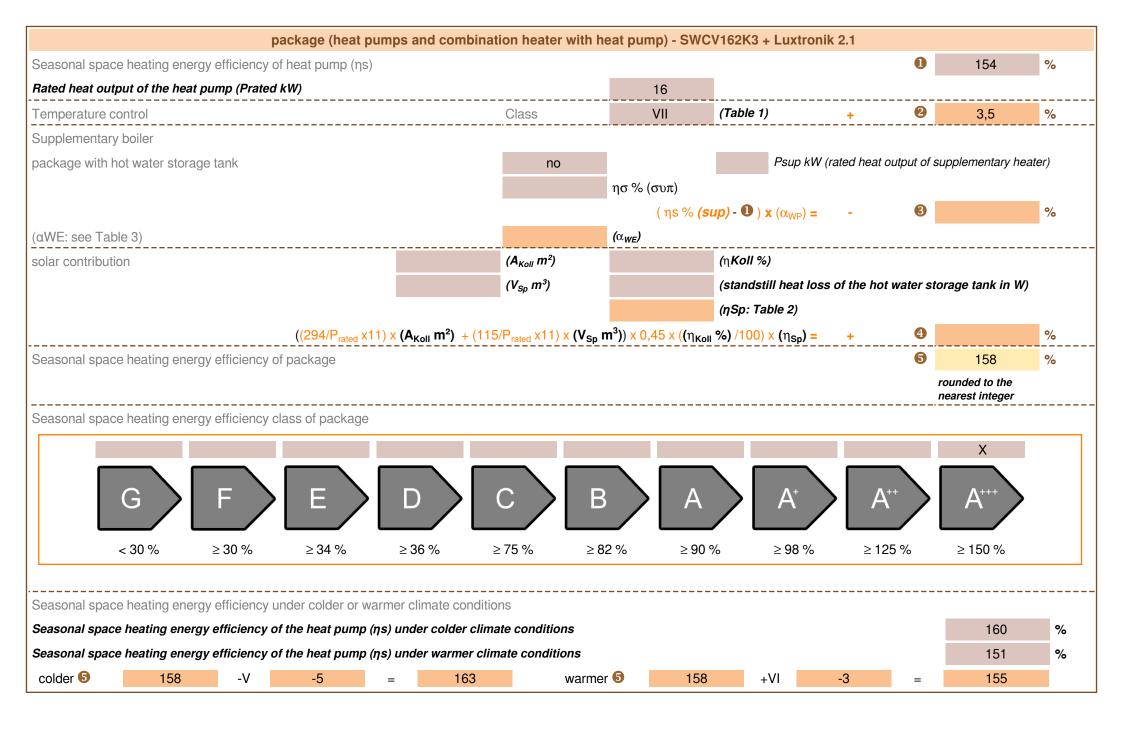


F

G



••



heatpump datasheet:				
	T			
manufacturer:	alpha innotec SWCV162K3			
model:				
Information concerning energy efficiency class and rat	ed heat 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	
additional information	low	medium	<u> </u>	
rated heat output colder climate	16	16	kW	
rated heat output warmer climate	16	16	kW	
energy effiency space heater colder climate	210	160	%	
energy effiency space heater warmer climate	197	151	%	
annual energy consumption space heater colder climate	7198	9415	kWh	
annual energy consumption space heater warmer climate	4150	5365	kWh	
sound power level outdoors		-	dB	

technical data of the temperature controller						
manufacturer:		alpha innotec				
model:	Luxtronik 2.1					
controller class		VII	-			
contribution of the controller to the en	ergy efficiency space heater	3,5	%			

Model				SWCV162K3			
			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 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	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 than active mode			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		-			-		
			-				

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.			