

10069041

alpha innotec

SWC 42K3



55 °C

35 °C



Λ++

 A^+

Α

ם

A⁺⁺

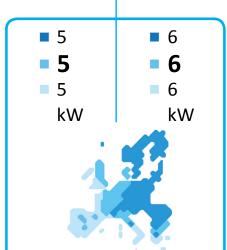




43 dB



- dB



2019

811/2013



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SWC 42K3



55 °C

35 °C



Λ ++

Δ+

Δ

В

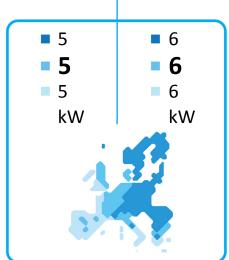
A++

A+++





- dB



2019

811/2013



IJA ENERG енергия · ενεργεια

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alpha innotec

SWC 42K3 + Luxtronik 2.1



























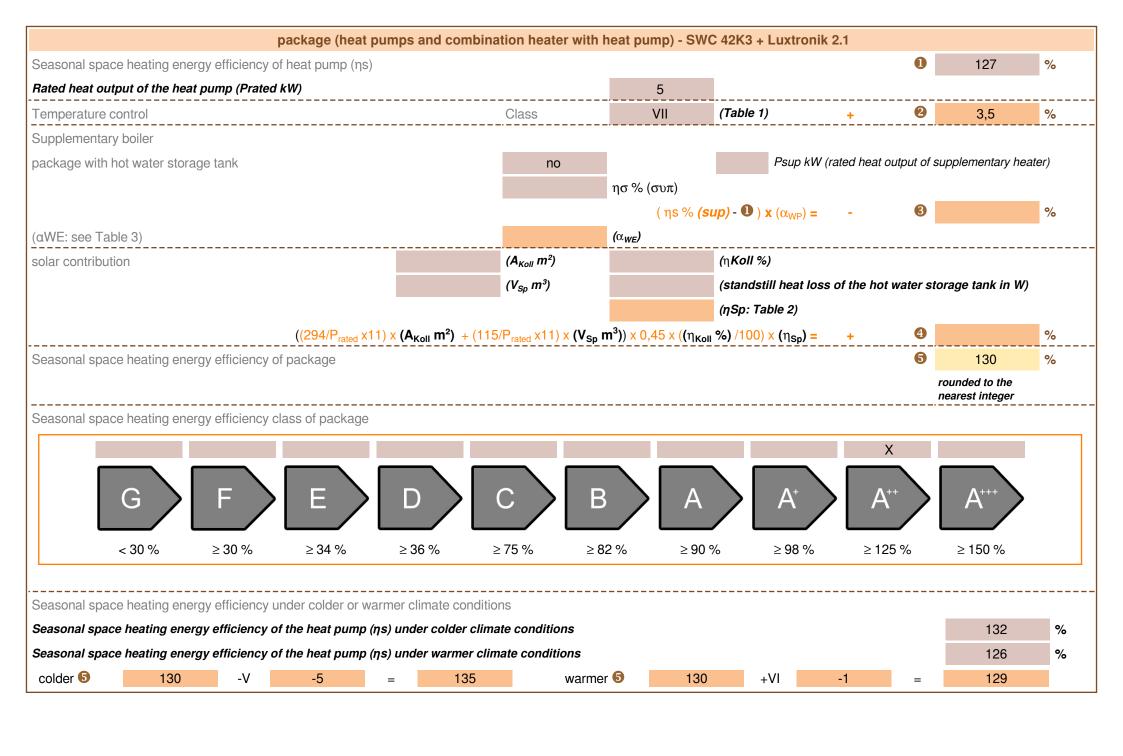




B

E





manufacturar	olnho innotos		
manufacturer:	alpha innotec SWC 42K3		
model:			
Information opposition and and and	ad baat autout.		
Information concerning energy efficiency class and rate	ed neat output:		
	average / low	average / medium	
energy efficiency class space heater:	A+++	A++	-
rated heat output:	6	5	kW
energy efficiency space heater:	191	127	%
annual final energy consumption space heater	2304	2954	kWh
	'	·	
sound power level indoors		43	dB
All instructional work in this manual may only be carried out by regulations.	or maintenance y qualified specialist person	nnel in compliance with loca	al
		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
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regulations.	y qualified specialist persor	•	al kW
regulations. additional information	y qualified specialist persor	medium	
additional information rated heat output colder climate	y qualified specialist persor	medium 5	kW
additional information rated heat output colder climate rated heat output warmer climate	low 6 6	medium 5 5	kW kW
additional information rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate	low 6 6 198	medium 5 5 132	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 6 6 198 190	medium 5 5 132 126	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 6 6 198 190 2634	medium 5 5 132 126 3382	kW kW % % kWh

echnical 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	%		

SWC 42K3			
yes			
no			
no			
medium			
	Symbol	Value	Unit
space heating ciency	ηS	126,8	%
oefficient of perfo re 20°C and outdo			indoor
	COPd	2,79	-
	COPd	3,45	-
	COPd	3,93	-
	COPd	4,35	-
t temperature	COPd	2,79	-
on limit temperature	COPd	2,58	-
ater heat pumps: Tj TOL < -20°C)	COPd	-	-
ater heat pumps: mit temperature	TOL	-10	°C
rval efficiency	COPcyc	-	-
er operating limit	WTOL	60	°C
ntary heater	•	•	•
output	Psup	0,7	kW
rgy input		electrical	•
	•		
ater heat pumps: ow rate, outdoors	-	-	m ³ /h
orine-to-water heat ed brine or water utdoor heat	-	1	m ³ /h
	•	-	•
ng energy efficiency	η_{wh}	-	%
nsumption	Qfuel	-	kWh
ndorf Germany	•		
dor out	f Germany put Prated is eq	f Germany put Prated is equal to the de blementary capacity for heati	f Germany put Prated is equal to the design load for holementary capacity for heating sup(Tj).

Model			SWC 42K3				
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) combination heater with: (yes/no)			yes no				
							application: (low/medium)
climate: (colder/average/warmer))			average			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output	Prated	6	kW	Seasonal space heating energy efficiency	ηS	190,7	%
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	4,9	kW	Tj = -7°C	COPd	4,87	-
Tj = +2°C	Pdh	5,0	kW	Tj = +2°C	COPd	5,17	-
Tj = +7°C	Pdh	5,0	kW	Tj = +7°C	COPd	5,46	-
Tj = +12°C	Pdh	5,1	kW	Tj = +12°C	COPd	5,54	-
Tj = bivalent temperature	Pdh	4,9	kW	Tj = bivalent temperature	COPd	4,87	-
Tj = operation limit temperature	Pdh	4,9	kW	Tj = operation limit temperature	COPd	4,70	-
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	0,7	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}	43 / -	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		•					
•							