

10069141

alpha innotec

SWC 62K3



55 °C

35 °C



\(++

Δ+

Λ

В

L

A⁺⁺

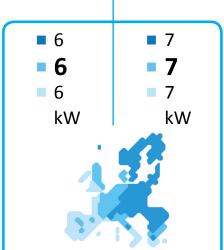








- dB



2019

811/2013



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SWC 62K3



55 °C

35 °C



Λ++

Δ+

Δ

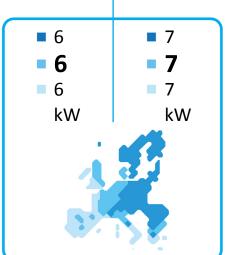
A++







dB



2019

811/2013



IJA ENERG енергия · ενεργεια

10069141

alpha innotec

SWC 62K3 + Luxtronik 2.1































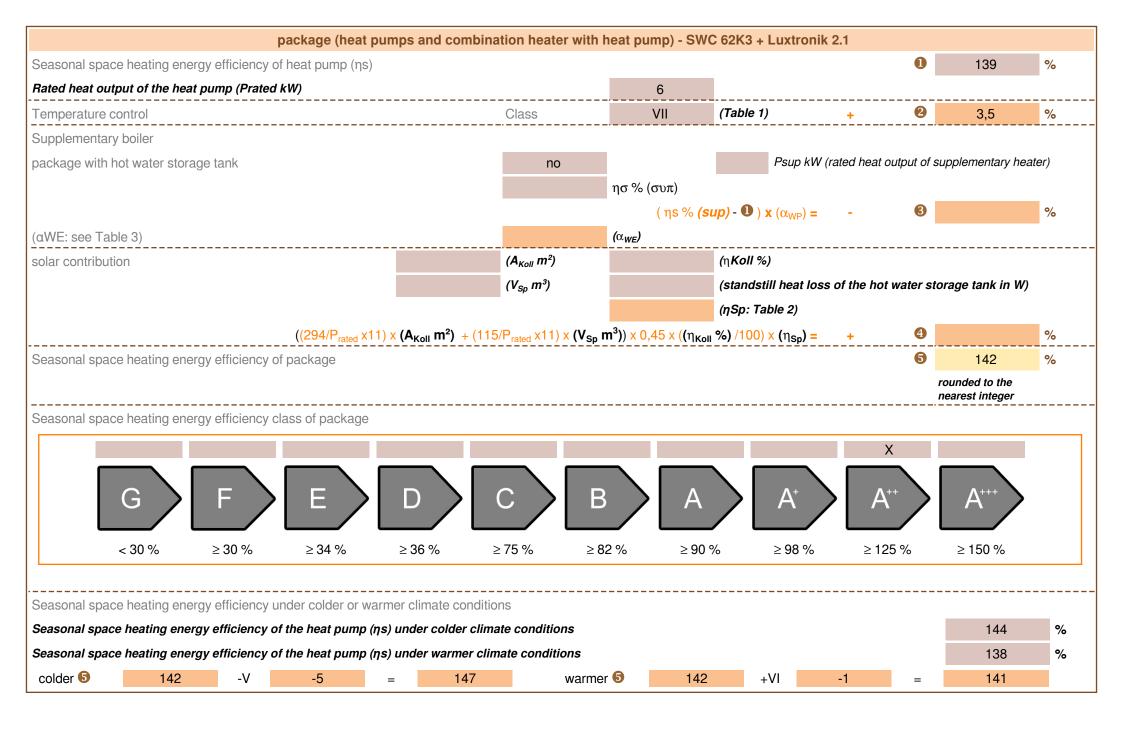












heatpump datasheet:				
	1			
manufacturer:	alpha innotec			
model:	SWC 62K3			
Information concerning energy efficiency class and rat	ed heat output:			
	average / low	average / medium		
energy efficiency class space heater:	A+++	A++	-	
rated heat output:	7	6	kW	
energy efficiency space heater:	187	139	%	
annual final energy consumption space heater	2954	3122	kWh	
sound power level indoors		44	dB	
regulations.				
			Т	
additional information	low	medium	<u> </u>	
rated heat output colder climate	7	6	kW	
rated heat output warmer climate	7	6	kW	
energy effiency space heater colder climate	193	144	%	
energy effiency space heater warmer climate	186	138	%	
annual energy consumption space heater colder climate	3413	3609	kWh	
annual energy consumption space heater warmer climate	2000	2118	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				SWC 62K3										
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) Equipped with supplementary heater: (yes/no) combination heater with: (yes/no)			no yes no											
							application: (low/medium)				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	138,9	%							
Declared coefficient of perfor temperature 20°C and outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoor			indoor							
Tj = -7°C	Pdh	4,9	kW	Tj = -7°C	COPd	3,16	-							
Tj = +2°C	Pdh	5,4	kW	Tj = +2°C	COPd	3,76	-							
Tj = +7°C	Pdh	5,8	kW	Tj = +7°C	COPd	4,18	-							
Tj = +12°C	Pdh	6,1	kW	Tj = +12°C	COPd	4,64	-							
Tj = bivalent temperature	Pdh	4,9	kW	Tj = bivalent temperature	COPd	3,16	-							
Tj = operation limit temperature	Pdh	4,7	kW	Tj = operation limit temperature	COPd	2,94	-							
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	0,9	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}	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		•			•									
·														

SWC 62K3			
no			
yes			
no			
no			
yes			
no			
low			
average			
	Symbol	Value	Unit
Il space heating officiency	ηS	187,3	%
I coefficient of perfo ture 20°C and outdo			indoor
,	COPd	4,81	-
	COPd	5,03	-
	COPd	5,24	-
C	COPd	5,46	-
ent temperature	COPd	4,81	-
ation limit temperature	COPd	4,70	-
-water heat pumps: Tj (if TOL < -20°C)	COPd	-	-
-water heat pumps: n limit temperature	TOL	-10	°C
nterval efficiency	COPcyc	-	-
vater operating limit ure	WTOL	60	°C
nentary heater	•	•	
at output	Psup	0,9	kW
nergy input		electrical	•
	•		
-water heat pumps: flow rate, outdoors	-	-	m ³ /h
r-/brine-to-water heat lated brine or water outdoor heat er	-	1	m ³ /h
	•	-	-
ating energy efficiency	η_{wh}	-	%
consumption	Qfuel	-	kWh
endorf Germany	•	•	-
cons endo eat ou e sur	sumption orf Germany utput Prated is eq	sumption Qfuel orf Germany utput Prated is equal to the deplementary capacity for heati	sumption Qfuel - orf Germany utput Prated is equal to the design load for hoplementary capacity for heating sup(Tj).