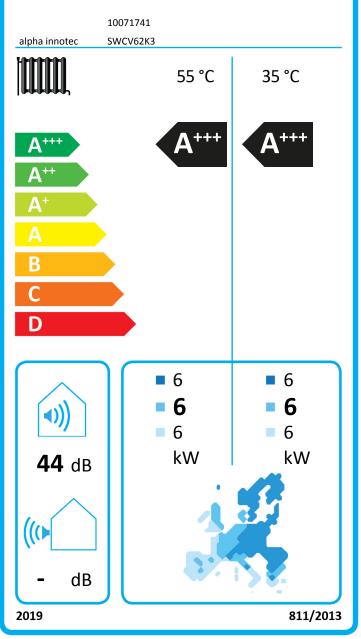
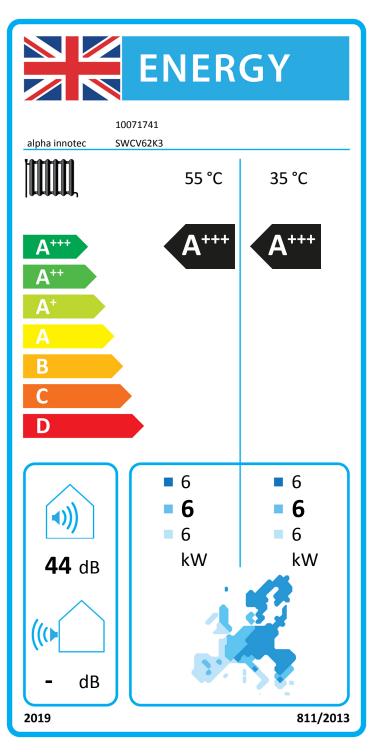


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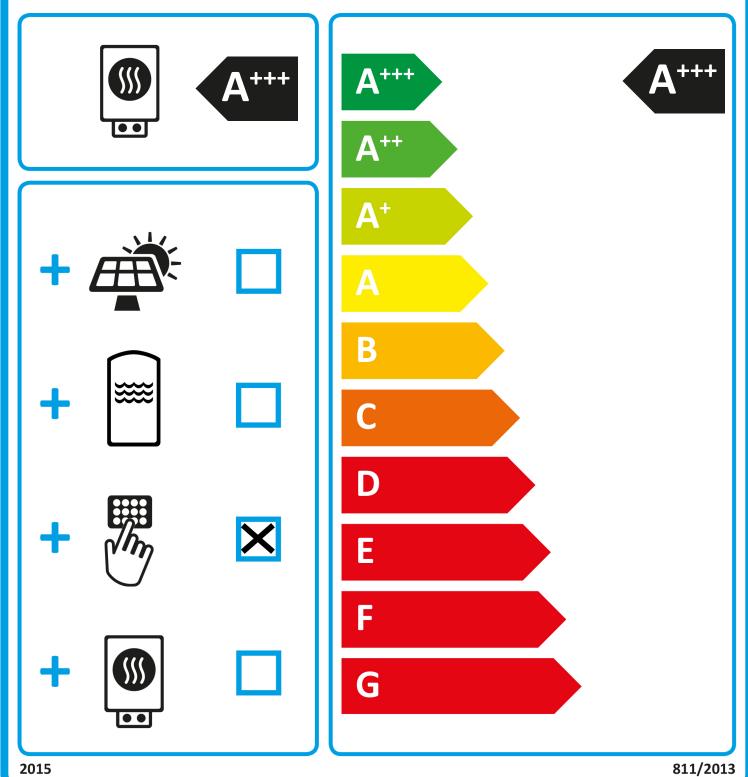


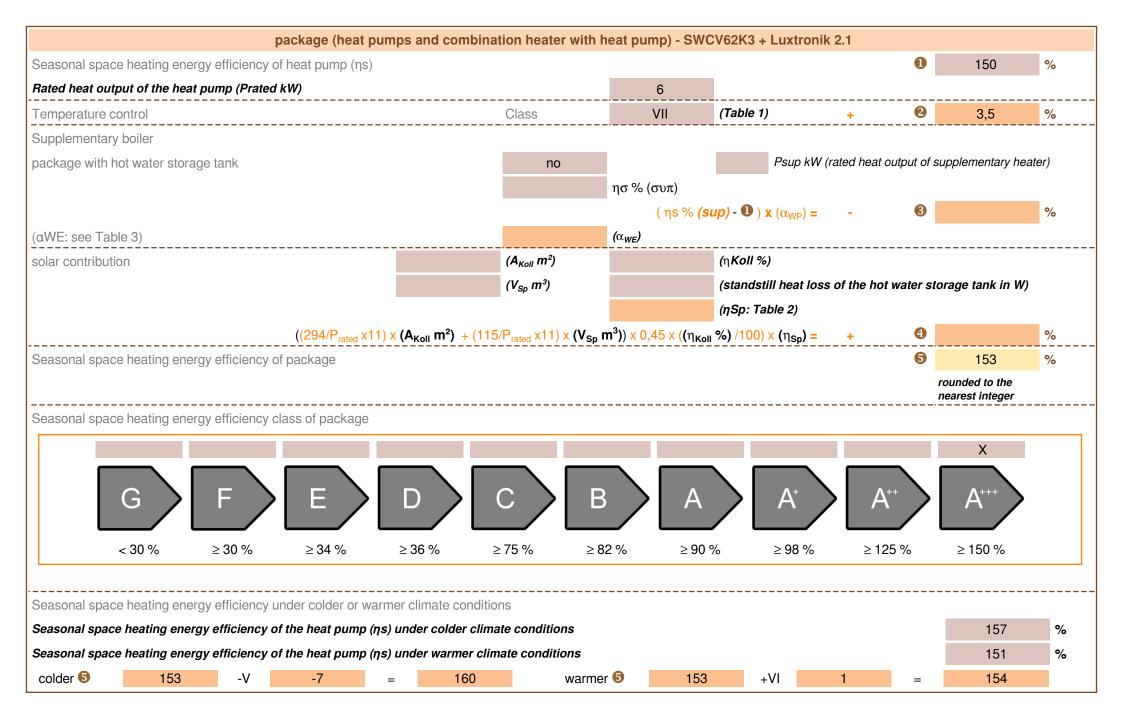


10071741

alpha innotec

SWCV62K3 + Luxtronik 2.1





heatpump datasheet:					
manufacturer:	alpha innotec				
model:	SWCV62K3				

Information concerning energy efficiency class and rated heat output:

	average / low	average / medium	
energy efficiency class space heater:	A+++	A+++	-
rated heat output:	6	6	kW
energy efficiency space heater:	199	150	%
annual final energy consumption space heater	2192	2878	kWh

44

dB

sound power level indoors

special precautions concerning assembly, installation or maintenance

All instructional work in this manual may only be carried out by qualified specialist personnel in compliance with local regulations.

additional information	low	medium	
rated heat output colder climate	6	6	kW
rated heat output warmer climate	6	6	kW
energy effiency space heater colder climate	210	157	%
energy effiency space heater warmer climate	202	151	%
annual energy consumption space heater colder climate	2482	3288	kWh
annual energy consumption space heater warmer climate	1402	1851	kWh
annual energy consumption space heater warmer climate	1402	1851	
ound 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 energy efficiency space heater	3,5	%				

Model		SWCV62K3					
Air-to-water heat pump: (yes/no)				no			
Brine-to-water heat pump: (yes/n	o)			yes			
Water-to-water heat pump: (yes/	าด)			no			
Low-temperature heat pump: (ye	s/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	6	kW	Seasonal space heating energy efficiency	ηS	149,9	%
Declared coefficient of perfor temperature 20°C and outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoo			ndoor
Tj = -7°C	Pdh	5,0	kW	Tj = -7°C	COPd	3,06	-
Tj = +2°C	Pdh	3,0	kW	Tj = +2°C	COPd	3,97	-
Tj = +7°C	Pdh	2,0	kW	Tj = +7°C	COPd	4,63	-
Tj = +12°C	Pdh	1,2	kW	Tj = +12°C	COPd	4,86	-
Tj = bivalent temperature	Pdh	5,4	kW	Tj = bivalent temperature	COPd	2,84	-
Tj = operation limit temperature	Pdh	5,4	kW	Tj = operation limit temperature	COPd	2,84	-
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}	0,007	kW	Type of energy input		electrical	1
Standby mode	P _{SB}	0,007	kW				
Crankcase heater mode	Р _{ск}	0,009	kW	-			
Other items	<u>on</u>	,					
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m³/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			
(*) For heat pump space heaters	and heat pu	Imp combinat	ion heaters,	the rated heat output Prated is equ equal to the supplementary capac			eating
			-	tion coefficient is $Cdh = 0.9$.	.,	9 (· J/·	

Model				SWCV62K3			
Air-to-water heat pump: (yes/no)		no					
Brine-to-water heat pump: (yes/n	o)			yes			
Water-to-water heat pump: (yes/no)				no			
Low-temperature heat pump: (ye	s/no)			no			
Equipped with supplementary heater: (yes/no)				yes			
combination heater with: (yes/no)				no			
application: (low/medium)		low					
climate: (colder/average/warmer)				average			
ltem	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output	Prated	6	kW	Seasonal space heating energy efficiency	ηS	199,4	%
Declared coefficient of perfor temperature 20°C and outdoor			indoor	Declared coefficient of perfor temperature 20 °C and outdoo			ndoor
Tj = -7°C	Pdh	5,0	kW	Tj = -7°C	COPd	4,37	-
Tj = +2°C	Pdh	3,1	kW	Tj = +2°C	COPd	5,24	-
Tj = +7°C	Pdh	2,0	kW	Tj = +7°C	COPd	5,92	-
Tj = +12°C	Pdh	1,3	kW	Tj = +12°C	COPd	5,95	-
Tj = bivalent temperature	Pdh	5,4	kW	Tj = bivalent temperature	COPd	4,15	-
Ti = operation limit temperature	Pdh	5,4	kW	Tj = operation limit temperature	COPd	4,15	-
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	le	Supplementary heater			
Off mode	P _{OFF}	0,002	kW	Rated heat output	Psup	-	kW
Thermostat-off mode	P _{TO}	0,007	kW	Type of energy input		electrical	
Standby mode	P _{SB}	0,007	kW				
Crankcase heater mode	Рск	0,009	kW	-			
Other items			1	1			
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							
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		95359 Kasendorf Germany			1
(*) For heat pump space heaters	and heat pu	Imp combinat	ion heaters, t	the rated heat output Prated is equ equal to the supplementary capac			eating
(**) If Cdh is not determined by m			-		,		
()							