

10068241

alpha innotec

SWC 82H3



55 °C

35 °C



**\( ++** 

 $\mathbf{A}^{+}$ 

Δ

В

L

A<sup>++</sup>

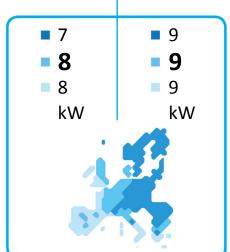




**43** dB



- dB



2019

811/2013



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SWC 82H3



55 °C

35 °C



**Λ** ++

Δ+

Α

В

L

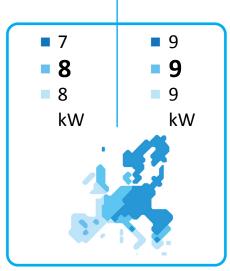
A<sup>++</sup>

A\*\*\*





**-** dB



2019

811/2013



## IJA ENERG енергия · ενεργεια

10068241

alpha innotec

SWC 82H3 + Luxtronik 2.1







































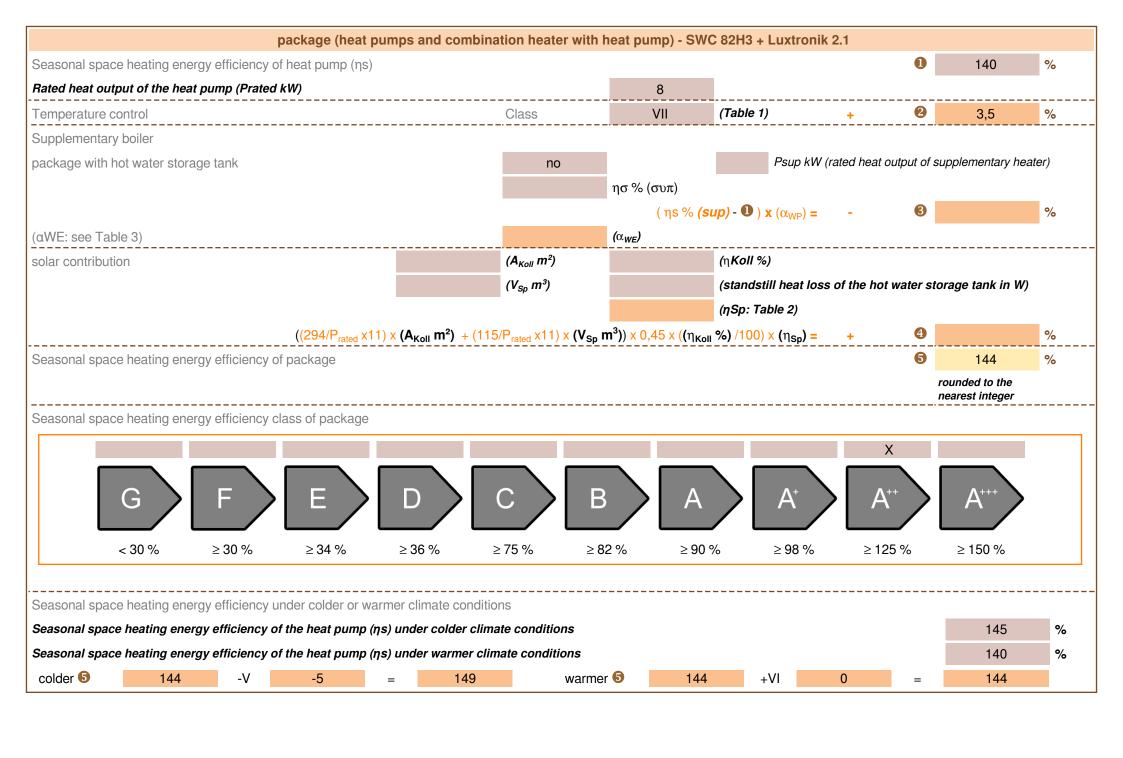












heatpump datasheet:					
manufacturer:	alpha innotec				
model:	SWC 82H3				
model.	SWC 82H3				
Information concerning energy efficiency class and	rated heat output				
illiorination concerning energy emclency class and	Taled Heat Output.				
	average / low	average / medium			
energy efficiency class space heater:	A+++	A++	-		
rated heat output:	9	8	kW		
energy efficiency space heater:	198	140	%		
annual final energy consumption space heater	3468	4190	kWh		
		•	.!.		
sound power level indoors		43	dB		
regulations.					
additional information	low	medium			
rated heat output colder climate	9	7	kW		
rated heat output warmer climate	9	8	kW		
energy effiency space heater colder climate	204	145	%		
energy effiency space heater warmer climate	198	140	%		
annual energy consumption space heater colder climate	3991	4813	kWh		
annual energy consumption space heater warmer climate	2329	2815	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 82H3			
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	8	kW	Seasonal space heating energy efficiency	ηS	140,3	%
Declared coefficient of perfor temperature 20°C and outdoor			indoor	Declared coefficient of perfor temperature 20°C and outdoor			indoor
Tj = -7°C	Pdh	6,7	kW	Tj = -7°C	COPd	3,13	-
Tj = +2°C	Pdh	7,1	kW	Tj = +2°C	COPd	3,76	-
Tj = +7°C	Pdh	7,3	kW	Tj = +7°C	COPd	4,21	-
Tj = +12°C	Pdh	7,6	kW	Tj = +12°C	COPd	4,63	-
Tj = bivalent temperature	Pdh	6,7	kW	Tj = bivalent temperature	COPd	3,13	-
Tj = operation limit temperature	Pdh	6,5	kW	Tj = operation limit temperature	COPd	2,91	-
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 <sub>biv</sub>	-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 thai	n active mod	le	Supplementary heater			
Off mode	P <sub>OFF</sub>	0,015	kW	Rated heat output	Psup	1,0	kW
Thermostat-off mode	P <sub>TO</sub>	0,015	kW	Type of energy input		electrical	•
Standby mode	$P_{SB}$	0,015	kW				
Crankcase heater mode	P <sub>CK</sub>	-	kW				
Other items							
Capacity control	fixed			For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m <sup>3</sup> /h
sound power level, indoors/outdoors	L <sub>WA</sub>	43 / -	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	2	m <sup>3</sup> /h
Emissions of nitrogen oxides	NO <sub>X</sub>	-	mg/kWh				
For heat pump combination h	eater:						
Declared load profile		-		Water heating energy efficiency	$\eta_{\text{wh}}$	_	%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Contact details	ait deutsch	land GmbH I	ndustriestr. 3	95359 Kasendorf Germany			
				the rated heat output Prated is equestequal to the supplementary capac			eating
(**) If Cdh is not determined by m	neasuremen	t then the def	ault degrada	tion coefficient is Cdh = 0,9.		*	

Model				SWC 82H3			
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	9	kW	Seasonal space heating energy efficiency	ηS	198,1	%
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	7,7	kW	Tj = -7°C	COPd	5,02	-
Tj = +2°C	Pdh	7,8	kW	Tj = +2°C	COPd	5,29	-
Tj = +7°C	Pdh	7,9	kW	Tj = +7°C	COPd	5,54	-
Tj = +12°C	Pdh	8,0	kW	Tj = +12°C	COPd	5,65	-
Tj = bivalent temperature	Pdh	7,7	kW	Tj = bivalent temperature	COPd	5,02	-
Tj = operation limit temperature	Pdh	7,6	kW	Tj = operation limit temperature	COPd	4,88	-
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 <sub>biv</sub>	-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 <sub>OFF</sub>	0,015	kW	Rated heat output	Psup	1,1	kW
Thermostat-off mode	P <sub>TO</sub>	0,015	kW	Type of energy input		electrical	•
Standby mode	P <sub>SB</sub>	0,015	kW				
Crankcase heater mode	P <sub>CK</sub>	-	kW				
Other items							
Capacity control	fixed			For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m <sup>3</sup> /h
sound power level, indoors/outdoors	L <sub>WA</sub>	43 / -	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	2	m <sup>3</sup> /h
Emissions of nitrogen oxides	NO <sub>X</sub>	-	mg/kWh				
For heat pump combination h	eater:						
Declared load profile		-		Water heating energy efficiency	$\eta_{wh}$	-	%
Daily electricity consumption	Q <sub>elec</sub>	-	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.			