

10070041

alpha innotec

SW 42H3



55 °C

35 °C



Λ++

 A^+

Λ

В

C

D



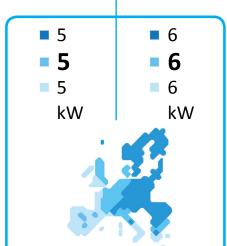




43 dB



dB



2019

811/2013



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alpha innotec

SW 42H3



55 °C

35 °C



Λ++

Δ+

Δ

ט

Г

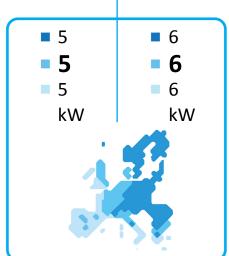
A++







dB



2019

811/2013



ENERG IJA енергия · ενεργεια

10070041

alpha innotec

SW 42H3 + Luxtronik 2.1





























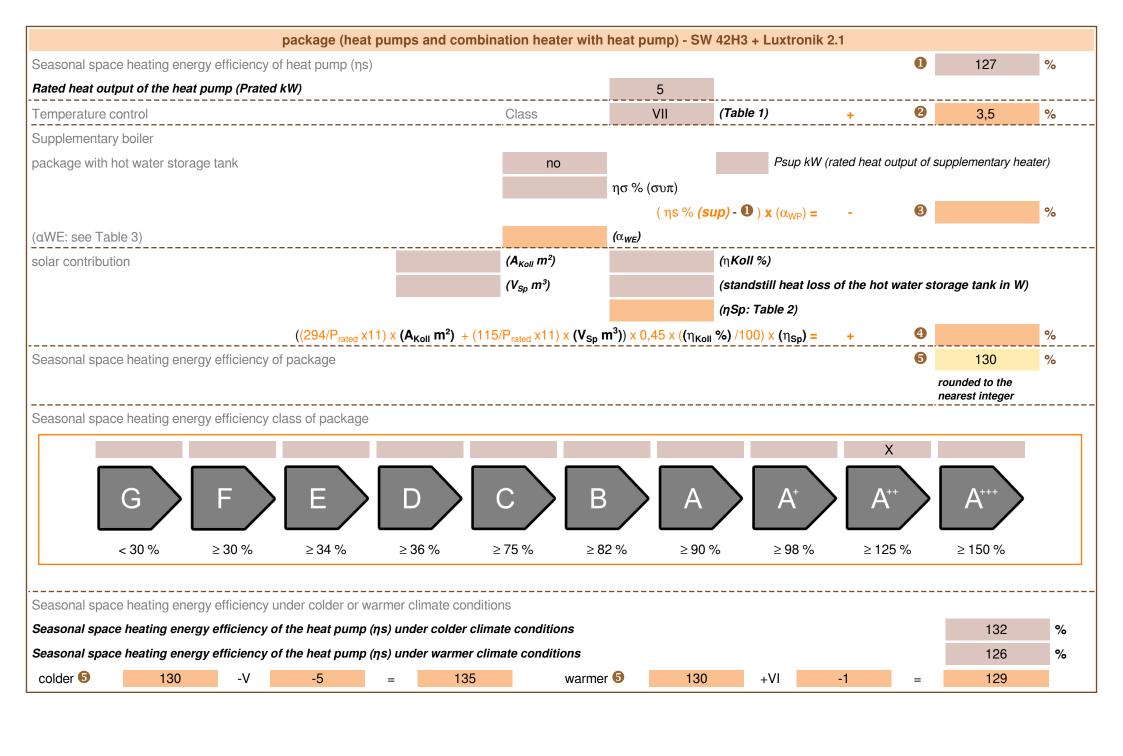




B







heatpump datasheet:					
	į				
manufacturer:	alpha innotec				
model:	SW 42H3				
Information concerning energy efficiency class and rate	ted heat 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		
regulations.					
additional information	low	medium			
rated heat output colder climate	6	5	kW		
rated heat output warmer climate	6	5	kW		
energy effiency space heater colder climate	198	132	%		
energy effiency space heater warmer climate	190	126	%		
annual energy consumption space heater colder climate	2634	3382	kWh		
annual energy consumption space heater warmer climate	1556	1993	kWh		
			-		
sound power level outdoors		-	dB		
•		1			

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				SW 42H3			
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	5	kW	Seasonal space heating energy efficiency	ηS	126,8	%
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	4,3	kW	Tj = -7°C	COPd	2,79	-
Tj = +2°C	Pdh	4,5	kW	Tj = +2°C	COPd	3,45	-
Tj = +7°C	Pdh	4,7	kW	Tj = +7°C	COPd	3,93	-
Tj = +12°C	Pdh	4,9	kW	Tj = +12°C	COPd	4,35	-
Tj = bivalent temperature	Pdh	4,3	kW	Tj = bivalent temperature	COPd	2,79	-
Tj = operation limit temperature	Pdh	4,2	kW	Tj = operation limit temperature	COPd	2,58	-
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		•			•		
·							

Model				SW 42H3			
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	6	kW	Seasonal space heating energy efficiency	ηS	190,7	%
Declared coefficient of performance for part load at indoor				Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature Tj			
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 than active mode			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	-	1	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	ait deutsch	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.			