

10076741

alpha innotec

SWCV 92H3



55 °C

35 °C



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В

L

A⁺⁺

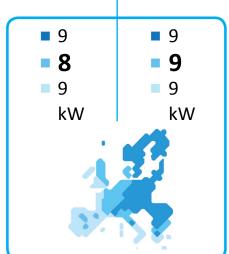




47 dB



- dB



2019

811/2013



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alpha innotec

SWCV 92H3



55 °C

35 °C



Λ++

Δ+

Δ

D

A⁺⁺

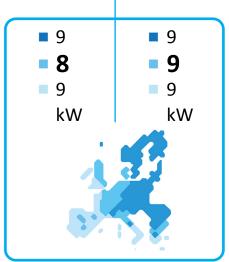
A***



47 dB



- dB



2019

811/2013



ENERG Y UA enepγus · ενεργεια III IIA

10076741

alpha innotec

SWCV 92H3 + Luxtronik 2.1

































C

D

Ε

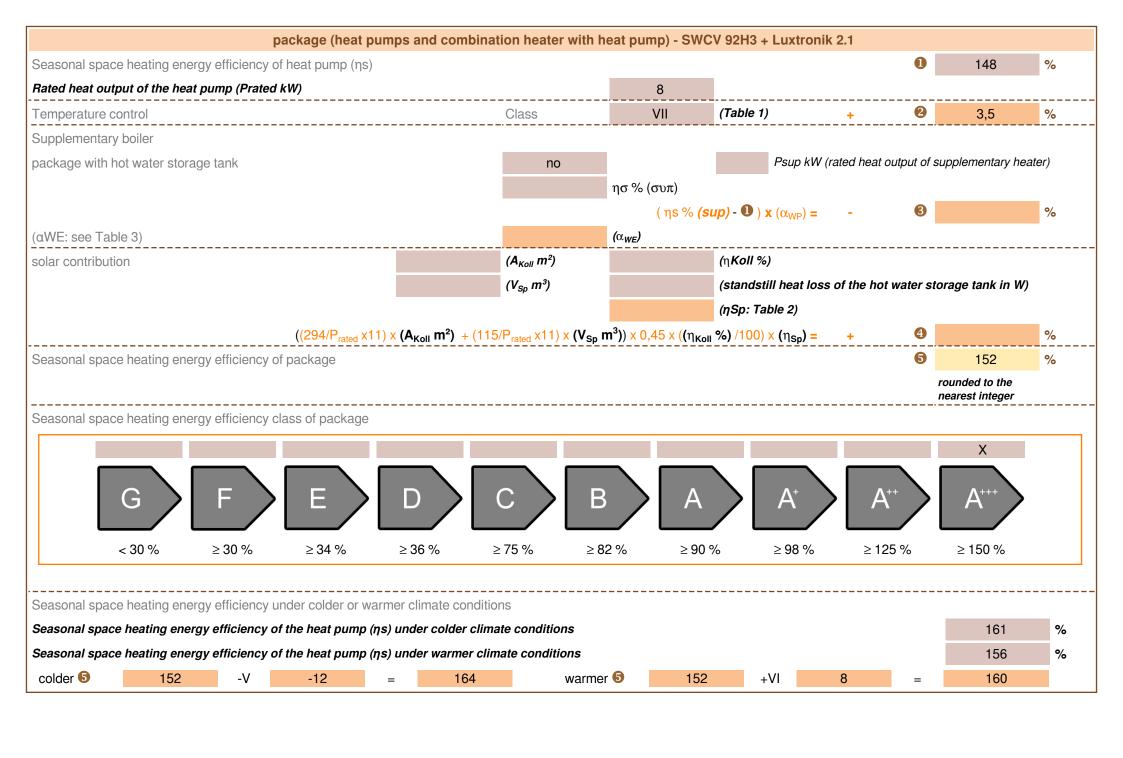
F

G



811/2013

2015



heatpump datasheet:				
	1			
manufacturer:	alpha innotec			
model:	SWCV 92H3			
Information concerning energy efficiency class and rat	ed heat output:			
	average / low	average / medium		
energy efficiency class space heater:	A+++	A++	-	
rated heat output:	9	8	kW	
energy efficiency space heater:	203	148	%	
annual final energy consumption space heater	3337	3963	kWh	
sound power level indoors		47	dB	
regulations.				
additional information	low	medium		
rated heat output colder climate	9	9	kW	
rated heat output warmer climate	9	9	kW	
energy effiency space heater colder climate	203	161	%	
energy effiency space heater warmer climate	193	156	%	
annual energy consumption space heater colder climate	3964	4967	kWh	
annual energy consumption space heater warmer climate	2257	2763	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 energy efficiency space heater		3,5	%			

Model				SWCV 92H3			
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	148,4	%
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	6,6	kW	Tj = -7°C	COPd	2,96	-
Tj = +2°C	Pdh	4,1	kW	Tj = +2°C	COPd	3,95	-
Tj = +7°C	Pdh	2,6	kW	Tj = +7°C	COPd	4,55	-
Tj = +12°C	Pdh	1,8	kW	Tj = +12°C	COPd	4,91	-
Tj = bivalent temperature	Pdh	6,9	kW	Tj = bivalent temperature	COPd	2,86	-
Tj = operation limit temperature	Pdh	6,9	kW	Tj = operation limit temperature	COPd	2,82	-
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}	-8	°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}	0,012	kW	Rated heat output	Psup	-	kW
Thermostat-off mode	P _{TO}	0,019	kW	Type of energy input		electrical	•
Standby mode	P_{SB}	0,012	kW				
Crankcase heater mode	P _{CK}	-	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m ³ /h
sound power level, indoors/outdoors	L _{WA}	47 / -	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	neasuremen	t then the defa	ault degrada	tion coefficient is Cdh = 0,9.		•	

Model				SWCV 92H3			
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	202,5	%
Declared coefficient of performance for part load at indoor			Declared coefficient of perfor temperature 20°C and outdoor			ndoor	
Tj = -7°C	Pdh	7,5	kW	Tj = -7°C	COPd	4,01	-
Tj = +2°C	Pdh	4,6	kW	Tj = +2°C	COPd	5,33	-
Tj = +7°C	Pdh	3,0	kW	Tj = +7°C	COPd	6,11	-
Tj = +12°C	Pdh	1,7	kW	Tj = +12°C	COPd	6,64	-
Tj = bivalent temperature	Pdh	7,9	kW	Tj = bivalent temperature	COPd	3,82	-
Tj = operation limit temperature	Pdh	7,9	kW	Tj = operation limit temperature	COPd	3,78	-
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}	-8	°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 thai	active mod	e	Supplementary heater			•
Off mode	P _{OFF}	0,012	kW	Rated heat output	Psup	-	kW
Thermostat-off mode	P _{TO}	0,019	kW	Type of energy input		electrical	
Standby mode	P_{SB}	0,012	kW				
Crankcase heater mode	P _{CK}	-	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	•	m ³ /h
sound power level, indoors/outdoors	L _{WA}	47 / -	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	dustriestr. 3	95359 Kasendorf Germany			
				the rated heat output Prated is equ equal to the supplementary capac			eating
(**) If Cdh is not determined by m	easuremen	t then the defa	ault degrada	tion coefficient is Cdh = 0,9.			