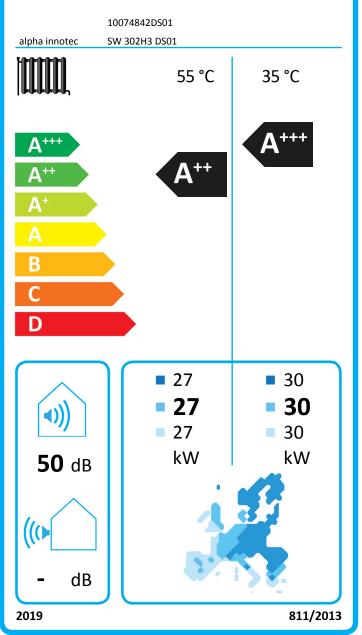
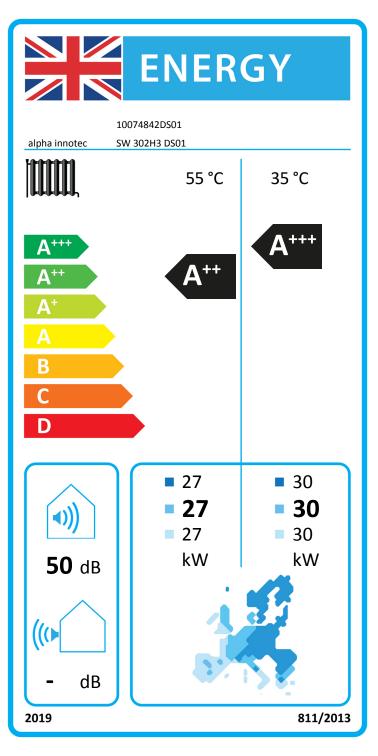


ΕΝΕRG Υ υΑ εμεργεία Ε ΙΑ







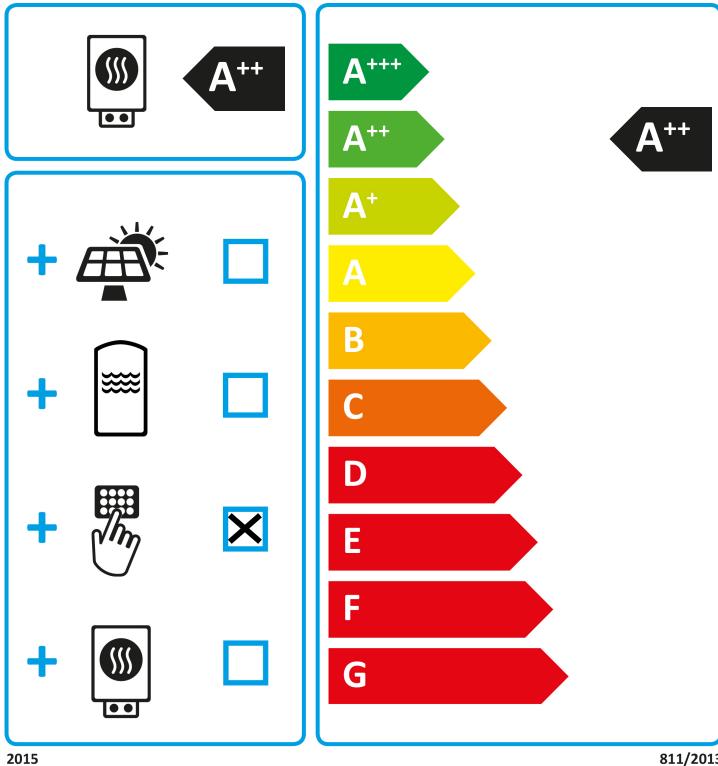


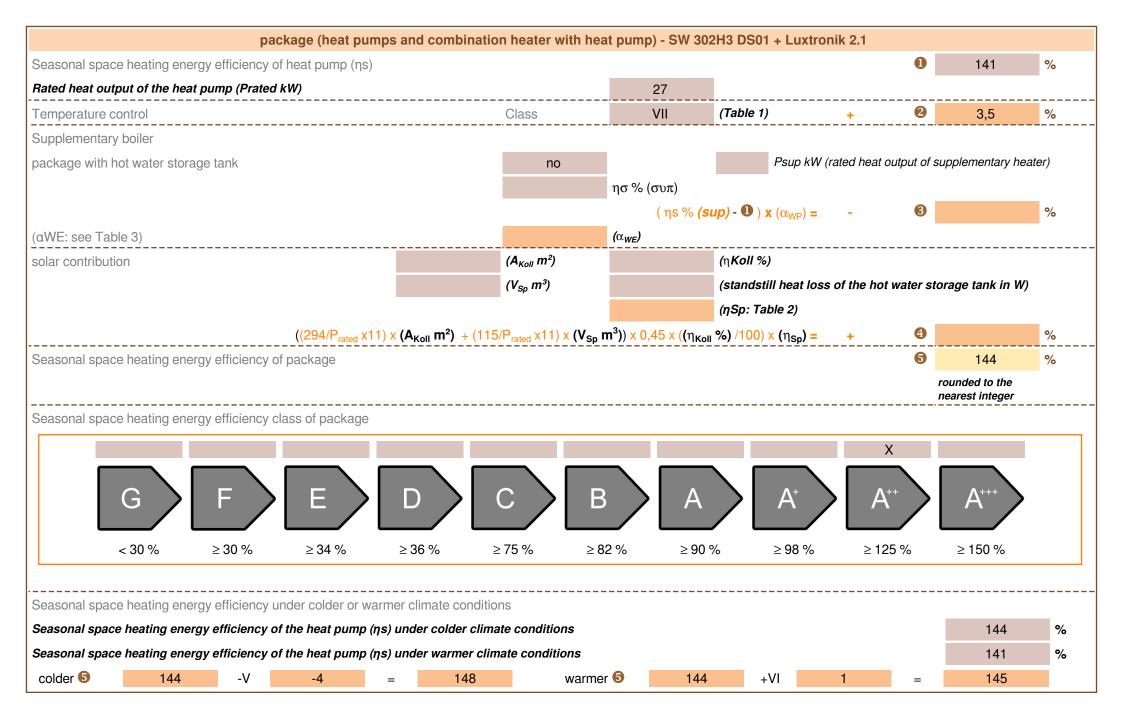
10074842DS01

alpha innotec

SW 302H3 DS01 + Luxtronik 2.1

## 





heatpump datasheet:					
manufacturer:	alpha innotec				
model:	SW 302H3 DS01				

## Information concerning energy efficiency class and rated heat output:

	average / low	average / medium	
energy efficiency class space heater:	A+++	A++	-
rated heat output:	30	27	kW
energy efficiency space heater:	204	141	%
annual final energy consumption space heater	11548	14796	kWh

50

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	30	27	kW
rated heat output warmer climate	30	27	kW
energy effiency space heater colder climate	210	144	%
energy effiency space heater warmer climate	206	141	%
annual energy consumption space heater colder climate	13408	17226	kWh
annual energy consumption space heater warmer climate	7401	9516	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				SW 302H3 DS01			
Air-to-water heat pump: (yes/no)							
Brine-to-water heat pump: (yes/no)			yes				
Water-to-water heat pump: (yes/no)							
Low-temperature heat pump: (yes/no)				no			
Equipped with supplementary heater: (yes/no)							
combination heater with: (yes/no)							
application: (low/medium)							
)			average	average			
Symbol	Value	Unit	Item	Symbol	Value	Unit	
Prated	27	kW	Seasonal space heating energy efficiency	ηS	140,6	%	
		indoor		Declared coefficient of performance for part load at indoor			
Pdh	26,9	kW	Tj = -7°C	COPd	3,14	-	
Pdh	27,9	kW	Tj = +2°C	COPd	3,67	-	
Pdh	28,6	kW	Tj = +7°C	COPd	4,08	-	
Pdh	29,2	kW	Tj = +12°C	COPd	4,55	-	
Pdh	26,6	kW	Tj = bivalent temperature	COPd	3,01	-	
Pdh	26,6	kW	Tj = operation limit temperature	COPd	3,01	-	
Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	COPd	-	-	
T <sub>biv</sub>	-10	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C	
Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-	
Cdh	1,0	-	Heating water operating limit temperature	WTOL	65	°C	
other thar	n active mod	le	Supplementary heater				
P <sub>OFF</sub>	0,015	kW	Rated heat output	Psup	-	kW	
	0,015	kW	Type of energy input		electrical		
		kW					
	-	kW	7				
ÖK							
fixed			For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m³/h	
L <sub>WA</sub>	50 / -	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	7	m <sup>3</sup> /h	
NO <sub>X</sub>	-	mg/kWh				-	
eater:							
	-		Water heating energy efficiency	$\eta_{wh}$	-	%	
Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Qfuel	-	kWh	
	land GmbH II					1	
and heat pu	imp combinat	ion heaters,	the rated heat output Prated is equ			eating	
				.,	י/ני \ יויי - ט		
	no) is/no)	no) is/no)	no) is/no) iater: (yes/no) Symbol Value Unit Prated 27 kW mance for part load at indoor or temperature Tj Pdh 26,9 kW Pdh 27,9 kW Pdh 28,6 kW Pdh 29,2 kW Pdh 26,6 kW Pdh 26	nonono)nono)nosr/no)nosr/no)noater: (yes/no)yes)nomediumater: (yes/no)yes)nomediumaverageSymbolValueUnitItemPrated27kWSeasonal space heating energy efficiencymance for part load at indoorpremerature TjDeclared coefficient of perforremperature TjDeclared coefficient of perforPdh26.9kWPdh27.9kWPdh28.6kWFor arr to experiment of the performent of t	no no   ioi) yes   no) no   is/no) average   Symbol Value Unit   item Symbol   Prated 27 kW   Seasonal space heating energy efficiency ns   itemperature 20°C and outdoor temperature for per temperature 20°C and outdoor temperature for per temperature 20°C and outdoor temperature   Pdh 26,9 kW Tj = +2°C COPd   Pdh 29,2 kW Tj = -7°C COPd   Pdh 29,2 kW Tj = operation limit temperature COPd   Pdh 29,2 kW Tj = operation limit temperature COPd   Pdh 26,6 kW <td< td=""><td>no yes   no) yes   no) no   s/no) no   ater: (yes/no) yes   ) no   medium   ater: (yes/no) yes   ) no   medium   average   Symbol Value   Prated 27 KW   Seasonal space heating energy efficiency ns   mance for part load at indoor or temperature Tj Declared coefficient of performance for part load at itemperature 20°C and outdoor temperature Tj   Pdh 26.9 kW Tj = -7°C COPd 3,14   Pdh 28.6 kW Tj = +2°C COPd 3,67   Pdh 29.2 kW Tj = +2°C COPd 4,08   Pdh 29.2 kW Tj = +2°C COPd 3,01   Pdh 26.6 kW Tj = operation limit temperature COPd 3,01   Pdh 26.6 kW Tj = operation limit temperature COPd 3,01   Pdh - KW Cycling interval efficiency COP</td></td<>	no yes   no) yes   no) no   s/no) no   ater: (yes/no) yes   ) no   medium   ater: (yes/no) yes   ) no   medium   average   Symbol Value   Prated 27 KW   Seasonal space heating energy efficiency ns   mance for part load at indoor or temperature Tj Declared coefficient of performance for part load at itemperature 20°C and outdoor temperature Tj   Pdh 26.9 kW Tj = -7°C COPd 3,14   Pdh 28.6 kW Tj = +2°C COPd 3,67   Pdh 29.2 kW Tj = +2°C COPd 4,08   Pdh 29.2 kW Tj = +2°C COPd 3,01   Pdh 26.6 kW Tj = operation limit temperature COPd 3,01   Pdh 26.6 kW Tj = operation limit temperature COPd 3,01   Pdh - KW Cycling interval efficiency COP	

Model				SW 302H3 DS01			
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			
ltem	Symbol	Value	Unit	Item Symbol Value Unit			
Rated heat output	Prated	30	kW	Seasonal space heating energy efficiency	ηS	203,8	%
Declared coefficient of perfor temperature 20°C and outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoo			ndoor
Tj = -7°C	Pdh	29,7	kW	Tj = -7°C	COPd	4,94	-
Tj = +2°C	Pdh	30,0	kW	Tj = +2°C	COPd	5,26	-
Tj = +7°C	Pdh	30,3	kW	Tj = +7°C	COPd	5,58	-
Tj = +12°C	Pdh	30,6	kW	Tj = +12°C	COPd	5,93	-
Tj = bivalent temperature	Pdh	29,6	kW	Tj = bivalent temperature	COPd	4,88	-
Tj = operation limit temperature	Pdh	29,6	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>	-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 than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0,015	kW	Rated heat output	Psup	-	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	Р <sub>ск</sub>	-	kW				
Other items							
Capacity control	fixed			For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m³/h
sound power level, indoors/outdoors	L <sub>WA</sub>	50 / -	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	7	m³/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	· ·		•		-		
,			~				