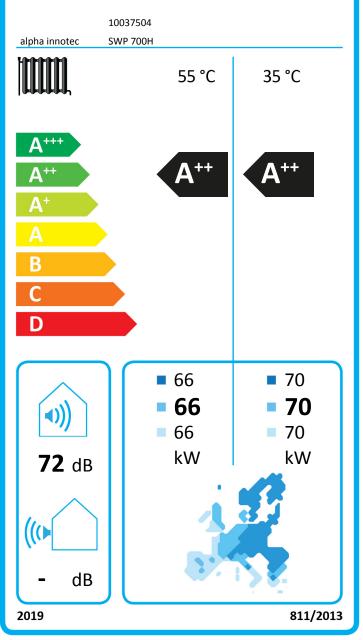
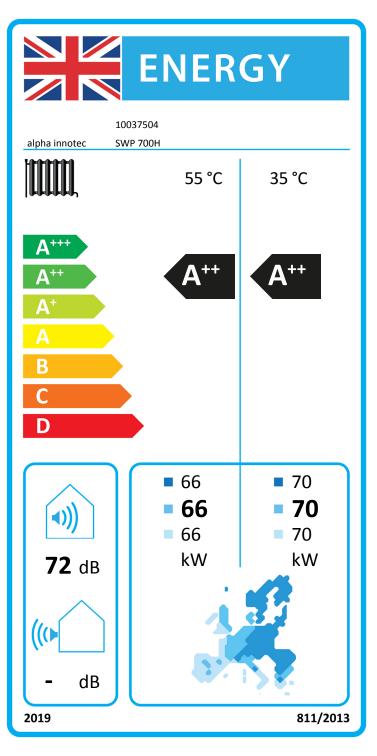


ENERG 🖤 🕮 (E) енергия · ενεργεια

IA





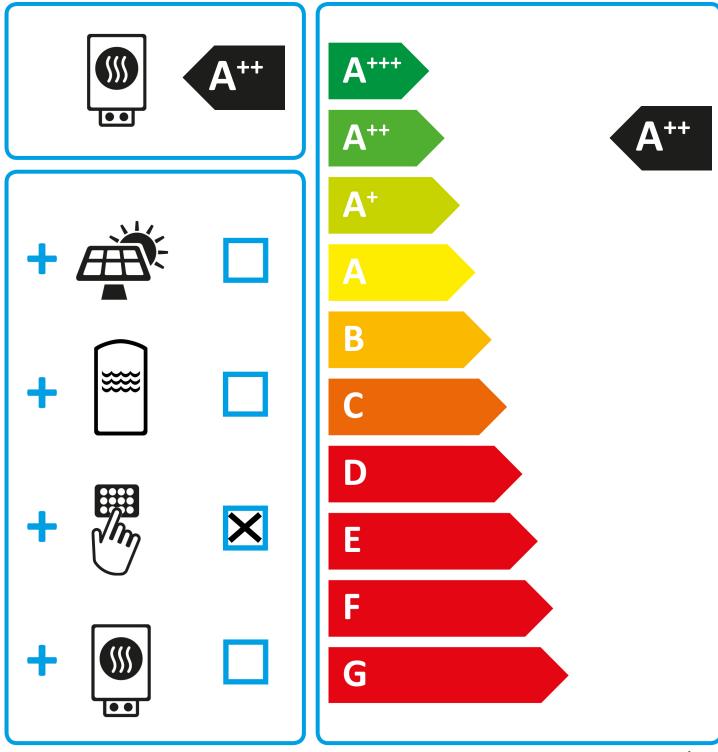


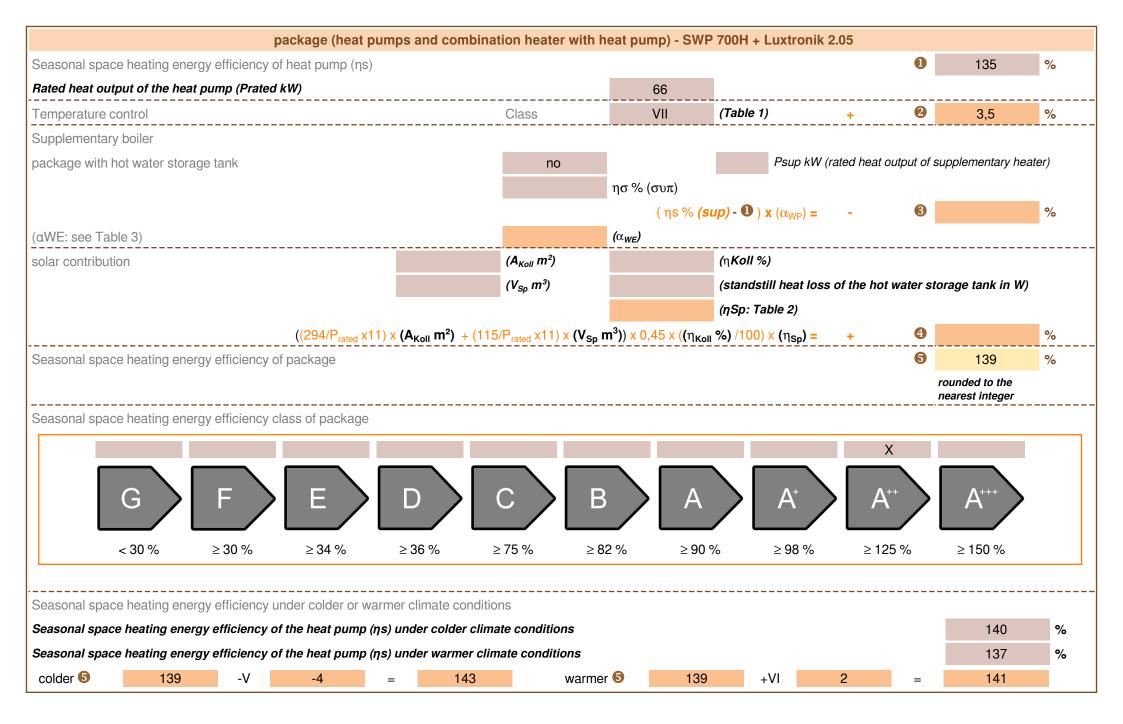


10037504

alpha innotec

SWP 700H + Luxtronik 2.05





manufacturer:	alnha innotec					
model:	SWP 700H	alpha innotec				
	ЗWР 700П					
Information concerning energy efficiency class and rate	ed heat output:					
	average / low	average / medium				
energy efficiency class space heater:	A++	A++	-			
rated heat output:	70	66	kW			
energy efficiency space heater:	169	135	%			
annual final energy consumption space heater	32742	37873	kWł			
sound power level indoors		72	dB			
All instructional work in this manual may only be carried out by		nnel in compliance with loca	1			
		nnel in compliance with loca	1			
All instructional work in this manual may only be carried out by regulations.		nnel in compliance with loca	۱ ۱			
All instructional work in this manual may only be carried out by regulations.	r qualified specialist persor		i i kW			
All instructional work in this manual may only be carried out by regulations. additional information rated heat output colder climate	v qualified specialist persor	medium				
All instructional work in this manual may only be carried out by regulations. additional information rated heat output colder climate rated heat output warmer climate	v qualified specialist persor	medium 66	kW			
All instructional work in this manual may only be carried out by regulations. additional information rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate	v qualified specialist persor	medium 66 66	kW kW			
special precautions concerning assembly, installation of All instructional work in this manual may only be carried out by regulations. additional information rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate energy effiency space heater warmer climate annual energy consumption space heater colder climate	v qualified specialist persor low 70 70 172	medium 66 66 140	kW kW %			

-

dB

sound power level outdoors

technical data of the temperature controller							
manufacturer:	alpha innotec						
model:	Luxtronik 2.05						
controller class	VII -						
contribution of the controller to the energy efficiency space	neater 3,5 %						

Model				SWP 700H				
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	·			Unit	
Rated heat output	Prated	66	kW	Seasonal space heating energy efficiency	ηS	135,4	%	
Declared coefficient of perfor temperature 20°C and outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoo			indoor	
Tj = -7°C	Pdh	66,4	kW	Tj = -7°C	COPd	2,89	-	
Tj = +2°C	Pdh	68,5	kW	Tj = +2°C	COPd	3,51	-	
Tj = +7°C	Pdh	69,8	kW	Tj = +7°C	COPd	4,00	-	
Tj = +12°C	Pdh	71,1	kW	Tj = +12°C	COPd	4,62	-	
Tj = bivalent temperature	Pdh	65,7	kW	Tj = bivalent temperature	COPd	2,74	-	
Tj = operation limit temperature	Pdh	65,7	kW	Tj = operation limit temperature	COPd	2,74	-	
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	70	°C	
Power consumption in modes	other than	n active mod	le	Supplementary heater			8	
Off mode	P _{OFF}	0,010	kW	Rated heat output	Psup	-	kW	
Thermostat-off mode	P _{TO}	0,010	kW	Type of energy input		electrical		
Standby mode	P _{SB}	0,010	kW	7				
Crankcase heater mode	Р _{ск}	-	kW	7				
Other items			•		•			
Capacity control	fixed			For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m³/h	
sound power level, indoors/outdoors	L _{WA}	72 / -	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	17	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	
	put of a sup	plementary he	eater Psup is	the rated heat output Prated is equ equal to the supplementary capac			eating	

Model				SWP 700H				
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	bol Value	Unit		
Rated heat output	Prated	70	kW	Seasonal space heating energy efficiency	ηS	168,7	%	
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	70,1	kW	Tj = -7°C	COPd	4,14	-	
Tj = +2°C	Pdh	70,6	kW	Tj = +2°C	COPd	4,37	-	
Tj = +7°C	Pdh	71,0	kW	Tj = +7°C	COPd	4,59	-	
Tj = +12°C	Pdh	71,4	kW	Tj = +12°C	COPd	4,82	-	
Tj = bivalent temperature	Pdh	70,0	kW	Tj = bivalent temperature	COPd	4,10	-	
Tj = operation limit temperature	Pdh	70,0	kW	Tj = operation limit temperature	COPd	4,10	-	
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	70	°C	
Power consumption in modes	other than	n active mod	le	Supplementary heater				
Off mode	P _{OFF}	0,010	kW	Rated heat output	Psup	-	kW	
Thermostat-off mode	P _{TO}	0,010	kW	Type of energy input		electrical	<u> </u>	
Standby mode	P _{SB}	0,010	kW					
Crankcase heater mode	Р _{ск}	-	kW	-				
Other items			1		•			
Capacity control	fixed			For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m³/h	
sound power level, indoors/outdoors	L _{WA}	72/-	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	17	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 I	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								
			~					