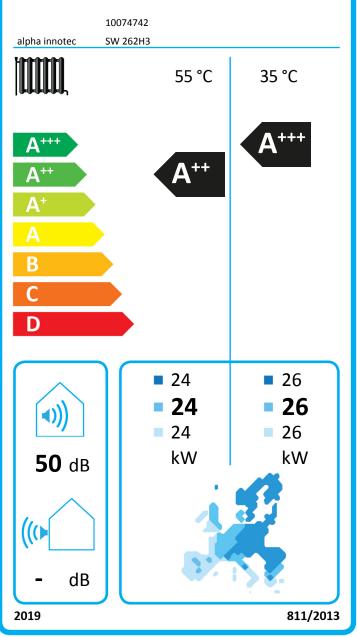
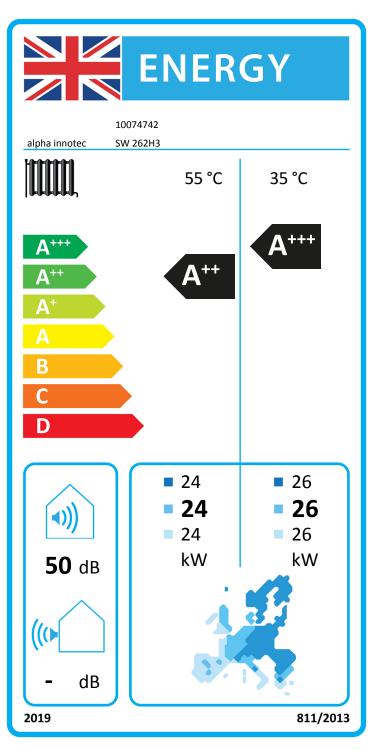


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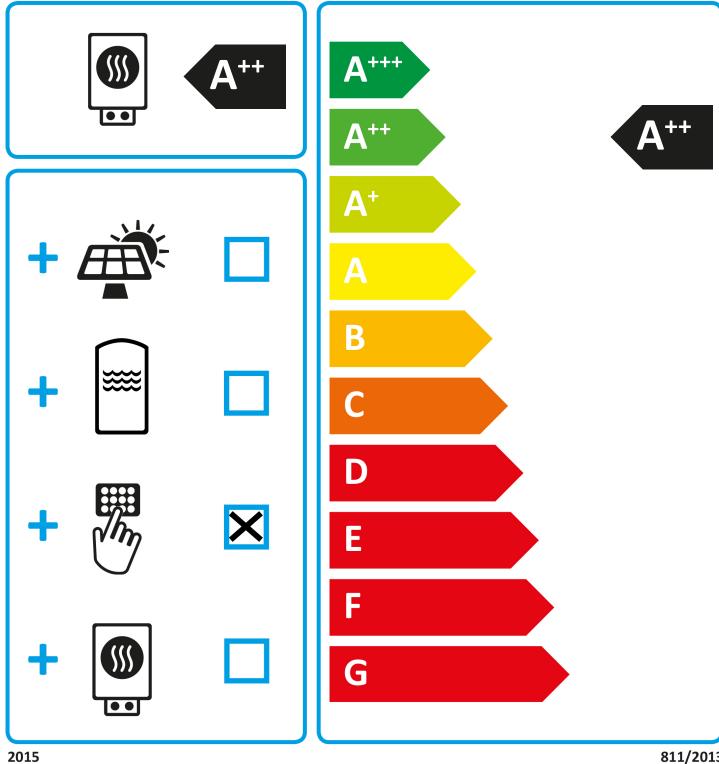


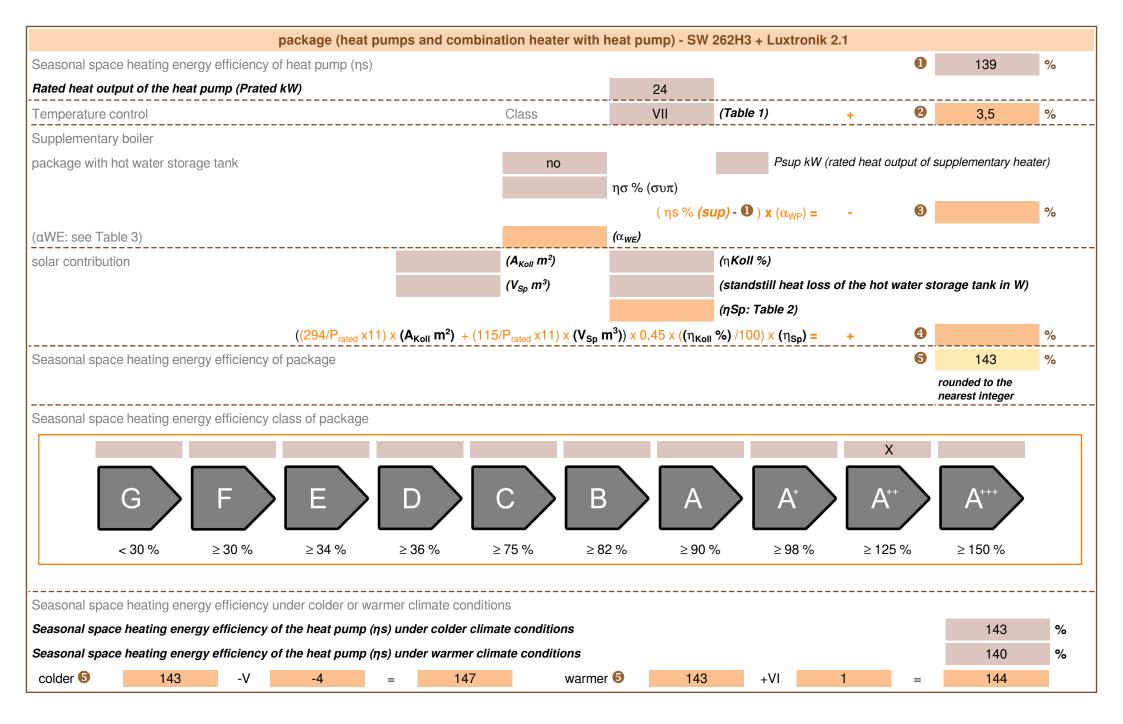


10074742

alpha innotec

SW 262H3 + Luxtronik 2.1





manufacturer:	alpha innotec	alpha innotec SW 262H3				
model:	SW 262H3					
Information concerning energy efficiency class and ra	ted neat output:					
	average / low	average / medium				
energy efficiency class space heater:	A+++	A++	-			
rated heat output:	26	24	kW			
energy efficiency space heater:	208	139	%			
annual final energy consumption space heater	9796	13299	kWh			
All instructional work in this manual may only be carried out t		nnel in compliance with loca	al			
All instructional work in this manual may only be carried out t		nnel in compliance with loca	al			
All instructional work in this manual may only be carried out to regulations.		nnel in compliance with loca	al			
All instructional work in this manual may only be carried out b regulations. additional information	by qualified specialist person					
All instructional work in this manual may only be carried out bregulations. additional information rated heat output colder climate	by qualified specialist person	medium	kW			
All instructional work in this manual may only be carried out a regulations. additional information rated heat output colder climate rated heat output warmer climate	by qualified specialist person	medium 24	kW			
All instructional work in this manual may only be carried out bregulations. additional information rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate	by qualified specialist person low 26 26	medium 24 24	kW kW			
special precautions concerning assembly, installation All instructional work in this manual may only be carried out b regulations. additional information rated heat output colder climate rated heat output colder climate energy effiency space heater colder climate energy effiency space heater warmer climate annual energy consumption space heater colder climate	by qualified specialist person low 26 26 215	medium 24 24 143	kW kW %			

-

dB

sound power level outdoors

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	%					

noPrior Avater heat pump: (yes/no)yesPrior Avater heat pump: (yes/no)noColspan="4">Colspan="4">NoEquipped with supplementary heater: (yes/no)noColspan="4">Prior Avater heat pump: (yes/no)noColspan="4">Prior Colspan="4">Prior Avater heat pump: (yes/no)NoColspan="4">Prior Colspan="4">Prior Colspan="4">Prior Colspan="4">Prior Colspan="4">Prior Colspan="4">Prior Colspan="4">Prior Colspan="4">Prior Colspan="4">Prior Colspan="4">Prior Colspan="4">Colspan="4">Prior Colspan="4">Prior Colspan="4">Colspan="4">Prior Colspan="4">Prior Colspan="4">Colspan="4">Prior Colspan="4">Colspan="4">Prior Colspan="4">Prior Colspan="4">Colspan="4">Prior Colspan="4">Prior Colspan="4">Colspan="4">Prior Colspan="4">Colspan="4">Prior Colspan="4">Prior Colspan="4">Colspan="4">Prior Colspan="4">Colspan="4">Prior Colspan="4">Prior Colspan="4">Colspan="4">Prior Colspan="4">Colspan="4"					
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 Rated heat output Prated 24 kW Seasonal space heating energy efficiency nS 139,3 Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature T Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature T Tj = -7°C COPd 3,08 Tj = +2°C Pdh 24,8 KW Tj = +2°C COPd 3,64 Tj = +2°C Pdh 24,7 KW Tj = +2°C COPd 4,66 Tj = +2°C Pdh 24,7 KW Tj = +2°C COPd 4,64 Tj = +2°C Pdh 25,4 KW Tj = +2°C COPd 2,95 Tj = operation limit temperature Pdh 23,7 KW Tj = operation limit temperature COPd 2,95 For air-to-water heat pumps: Tj Pdh -					
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 Rated heat output Prated 24 kW Seasonal space heating energy efficiency nS 139,3 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 COPd 3,08 Tj = +7°C Pdh 24,5 kW Tj = +7°C COPd 3,08 Tj = +7°C Pdh 24,5 kW Tj = +7°C COPd 3,08 Tj = +7°C Pdh 24,5 kW Tj = +7°C COPd 3,64 Tj = +7°C Pdh 24,5 kW Tj = +7°C COPd 4,06 Tj = +7°C Pdh 24,5 kW Tj = +7°C COPd 4,06 Tj = +7°C Pdh 25,4 KW Tj = +7°C COPd 2,95					
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 Rated heat output Prated 24 kW Seasonal space heating energy efficiency η S 139,3 Declared coefficient of performance for part load at indoor temperature Tj Tj = -7°C COPd 3,08 Tj = -7°C COPd 3,08 Tj = +2°C COPd 3,64 Tj = +7°C COPd 3,64 Tj = +7°C COPd 3,64 Tj = +12°C COPd 3,64 Tj = +12°C COPd 4,06 Tj = +12°C COPd 4,06 Tj = +12°C COPd 4,06 Tj = +12°C COPd 4,95 Tj = operation limit temperature Pdh 23,7 KW Tj = operation limit temperature COPd 2,95 For air-to-water heat pumps: Tj COPd 2,95 For air-to-water heat pumps: Tj COPd - - 10 CC CoPci cord cord cord cord cord cord cord cord					
no no application: (low/medium) medium colspan="2">colspan="2">no average ttem Symbol Value Unit Rated heat output Prated 24 kW Seasonal space heating energy efficiency no 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 23,8 kW Tj = +2°C COPd 3,08 Tj = +2°C Pdh 24,5 kW Tj = +12°C COPd 3,64 Tj = +12°C Pdh 25,4 kW Tj = bivalent temperature COPd 2,95 Tj = oparation limit temperature Pdh 23,7 kW Tj = oparation limit temperature COPd 2,95 For air-to-water heat pumps: Tj Pdh - kW Tj = oparation limit temperature COPd 2,95 For air-to-water heat pumps: Tj					
application: (low/medium)mediumclimate: (colder/average/warmer)averageItemSymbolValueUnitItemSymbolValueRated heat outputPrated24kWSeasonal space heating energy efficiency η_S 139,3Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature TjTj = -7°CCOPd3,08Tj = -7°CCOPd3,64Tj = +12°CCOPd2,95Tj = -15°C (ITOL < -20°C)For air-to-water heat pumps:	yes				
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ItemSymbolValueUnitItemSymbolValueRated heat outputPrated24kWSeasonal space heating energy efficiency ηS 139,3Declared coefficient of performance for part load at indom temperature 20°C and outdoor temperature TjDeclared coefficient of performance for part load at indom temperature 20°C and outdoor temperature TjTj = -7°CPdh23,8kWTj = -7°CCOPd3,08Tj = +2°CPdh24,5kWTj = +2°CCOPd3,64Tj = +7°CPdh24,5kWTj = +7°CCOPd3,64Tj = +12°CPdh24,9kWTj = +7°CCOPd4,06Tj = +12°CPdh25,4kWTj = +12°CCOPd4,95Tj = operation limit temperaturePdh23,7kWTj = operation limit temperatureCOPd2,95For air-to-water heat pumps: Tj = -15°C (TTOL <-20°C)	medium				
Rated heat outputPrated24kWSeasonal space heating energy efficiencynS139,3Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature TjDeclared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature TjDeclared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature TjTj = -7°CPdh23,8kWTj = -7°CCOPd3,08Tj = +2°CPdh24,5kWTj = +2°CCOPd4,06Tj = +12°CPdh25,4kWTj = +12°CCOPd4,59Tj = bivalent temperaturePdh23,7kWTj = operation limit temperatureCOPd2,95T = operation limit temperaturePdh23,7kWTj = operation limit temperatureCOPd2,95For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	average				
Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature TjDeclared coefficient of performance for part load at indo temperature 20°C and outdoor temperature TjTj = -7°CPdh23,8kWTj = -7°CCOPd3,08Tj = +2°CPdh24,5kWTj = +2°CCOPd3,64Tj = +7°CPdh24,5kWTj = +12°CCOPd4,66Tj = +12°CPdh25,4kWTj = +12°CCOPd4,59Tj = bivalent temperaturePdh23,7kWTj = ivalent temperatureCOPd2,95Tj = operation limit temperaturePdh23,7kWTj = operation limit temperatureCOPd2,95Tj = operation limit temperaturePdh23,7kWTj = operation limit temperatureCOPd2,95For air-to-water heat pumps: Tj = -15°C (if TOL < 20°C)	Item Symbol Value Unit				
temperature 20°C and outdoor temperature Tjtemperature 20°C and outdoor temperature TjTj = -7°CPdh23,8kWTj = -7°CCOPd3,08Tj = +2°CCOPd3,64Tj = +2°CCOPd3,64Tj = +7°CCOPd4,06Tj = +7°CCOPd4,06Tj = +12°CCOPd4,06Tj = +12°CCOPd4,06Tj = +12°CCOPd4,06Tj = +12°CCOPd4,06Tj = +12°CCOPd4,59Tj = +12°CCOPd4,59Tj = +12°CCOPd2,95Tj = operation limit temperaturePdh23,7KWTj = operation limit temperatureCOPd2,95TT = operation limit temperaturePdh23,7KWTj = operation limit temperatureCOPd2,95TFor air-to-water heat pumps: TjPdh-kWFor air-to-water heat pumps: TjCOPdFor air-to-water heat pumps: TjPdh-kWFor air-to-water heat pumps: TjCOPd100-Bivalent temperatureT _{biv} -10°CFor air-to-water heat pumps: TjCOPd10Cycling interval capacity for heatingPcych-kWCycling interval efficiencyCOPcycDegradation co-efficient (**)Cdh1,0-Heating water operating limit temperatureWTOL656510Coff modePoFF0,015KWRated heat outputPsupelectricalTher	%				
T j = $+2^{\circ}$ CPdh24,5kWT j = $+2^{\circ}$ CCOPd3,64T j = $+7^{\circ}$ CPdh24,9kWT j = $+7^{\circ}$ CCOPd4,06T j = $+12^{\circ}$ CPdh25,4kWT j = $+12^{\circ}$ CCOPd4,59T j = bivalent temperaturePdh23,7kWT j = bivalent temperatureCOPd2,95T j = operation limit temperaturePdh23,7kWT j = operation limit temperatureCOPd2,95For air-to-water heat pumps: T j = -15^{\circ} C (if TOL < -20^{\circ} C)	Declared coefficient of performance for part load at indoor				
Tj = +7°CPdh24,9kWTj = +7°CCOPd4,06Tj = +12°CPdh25,4kWTj = +12°CCOPd4,59Tj = bivalent temperaturePdh23,7kWTj = bivalent temperatureCOPd2,95Tj = operation limit temperaturePdh23,7kWTj = operation limit temperatureCOPd2,95For air-to-water heat pumps: TjPdh-kWFor air-to-water heat pumps: TjCOPd-= -15°C (if TOL < -20°C)	-				
Tj = +12°CPdh25,4kWTj = +12°CCOPd4,59Tj = bivalent temperaturePdh23,7kWTj = bivalent temperatureCOPd2,95Tj = operation limit temperaturePdh23,7kWTj = operation limit temperatureCOPd2,95For air-to-water heat pumps: TjPdh-kWFor air-to-water heat pumps: TjCOPd-= -15°C (if TOL < -20°C)	-				
Tj = bivalent temperaturePdh23,7kWTj = bivalent temperatureCOPd2,95Tj = operation limit temperaturePdh23,7kWTj = operation limit temperatureCOPd2,95For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	-				
Tj = operation limit temperaturePdh23,7kWTj = operation limit temperatureCOPd2,95For air-to-water heat pumps: Tj = -15 °C (if TOL < -20 °C)	-				
For air-to-water heat pumps: Tj = -15 °C (if TOL < -20 °C)Pdh-kWFor air-to-water heat pumps: Tj = -15 °C (if TOL < -20 °C)COPd-Bivalent temperature T_{biv} -10°CFor air-to-water heat pumps: Operation limit temperatureTOL-10Cycling interval capacity for heatingPcych-kWCycling interval efficiencyCOPcyc-Degradation co-efficient (**)Cdh1,0-Heating water operating limit temperatureWTOL65Supplementary heaterOff modePoFF0,015kWRated heat outputPsup-Thermostat-off modeP_TO0,015kWType of energy inputelectricalStandby modePsB0,015kWFor air-to-water heat pumps: crankcase heater modeOther itemsfixedFor air-to-water heat pumps: capacity control	-				
= -15 ° C (if TOL < -20 ° C)TouTou-10° CFor air-to-water heat pumps: Operation limit temperatureTOL-10Bivalent temperatureTbiv-10° CFor air-to-water heat pumps: Operation limit temperatureTOL-10Cycling interval capacity for heatingPcych-kWCycling interval efficiencyCOPcyc-Degradation co-efficient (**)Cdh1,0-Heating water operating limit temperatureWTOL65Power consumption in modes other than active modeSupplementary heaterOff modePoFF0,015kWRated heat outputPsup-Thermostat-off modePTO0,015kWType of energy inputelectricalStandby modePsB0,015kWType of energy inputelectricalOther itemsFor air-to-water heat pumps: Rated air flow rate, outdoors	-				
ConstraintOperationOperationOperationImit temperatureCycling interval capacity for heatingPcych-kWCycling interval efficiencyCOPcyc-Degradation co-efficient (**)Cdh1,0-Heating water operating limit temperatureWTOL65Power consumption in modes other than active modeOff mode P_{OFF} 0,015kWRated heat outputPsup-Thermostat-off mode P_{TO} 0,015kWType of energy inputelectricalStandby mode P_{SB} 0,015kWType of energy inputelectricalOther items P_{CK} -kWFor air-to-water heat pumps: Rated air flow rate, outdoors-	-				
heating Image: Construct of the second s	°C				
Power consumption in modes other than active mode Supplementary heater Off mode P _{OFF} 0,015 kW Rated heat output Psup - Thermostat-off mode P _{TO} 0,015 kW Type of energy input electrical Standby mode P _{SB} 0,015 kW Type of energy input electrical Crankcase heater mode P _{CK} - kW Other items Capacity control fixed For air-to-water heat pumps: Rated air flow rate, outdoors -	-				
Off mode P_{OFF} 0,015 kW Rated heat output Psup - Thermostat-off mode P_{TO} 0,015 kW Type of energy input electrical Standby mode P_{SB} 0,015 kW Type of energy input electrical Crankcase heater mode P_{CK} - kW electrical Other items For air-to-water heat pumps: - - - Capacity control fixed For air-to-water heat pumps: - -	°C				
Thermostat-off mode P_{TO} 0,015 kW Type of energy input electrical Standby mode P_{SB} 0,015 kW electrical Crankcase heater mode P_{CK} - kW <td></td>					
Thermostat-off mode P_{TO} 0,015 kW Type of energy input electrical Standby mode P_{SB} 0,015 kW electrical Crankcase heater mode P_{CK} - kW electrical Other items Electrical Electrical Electrical <	kW				
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 -					
Crankcase heater mode P _{CK} - kW Other items Capacity control fixed For air-to-water heat pumps: Rated air flow rate, outdoors - -					
Other items For air-to-water heat pumps: - - Capacity control fixed For air-to-water heat pumps: - - Rated air flow rate, outdoors - - -					
Rated air flow rate, outdoors					
sound power level, L _{WA} 50 / - dB For water-/brine-to-water heat - 6	m³/h				
indoors/outdoors pumps: Rated brine or water flow rate, outdoor heat exchanger	m ³ /h				
Emissions of nitrogen oxides NO _X - mg/kWh					
For heat pump combination heater:					
Declared load profile - Water heating energy efficiency η_{wh} -	%				
Daily electricity consumption Q _{elec} - kWh Daily fuel consumption Qfuel -	kWh				
Contact details ait deutschland GmbH Industriestr. 3 95359 Kasendorf Germany					
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heat Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).	ting				
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.					

Model				SW 262H3				
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 he	ater: (yes/no	o)		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	26	kW	Seasonal space heating energy efficiency	ηS	208,0	%	
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	25,6	kW	Tj = -7°C	COPd	4,99	-	
Tj = +2°C	Pdh	25,9	kW	Tj = +2°C	COPd	5,36	-	
Tj = +7°C	Pdh	26,1	kW	Tj = +7°C	COPd	5,73	-	
Tj = +12°C	Pdh	26,2	kW	Tj = +12°C	COPd	6,16	-	
Tj = bivalent temperature	Pdh	25,6	kW	Tj = bivalent temperature	COPd	4,92	-	
Tj = operation limit temperature	Pdh	25,6	kW	Tj = operation limit temperature	COPd	4,92	-	
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	65	°C	
Power consumption in modes	other that	n active mod	le	Supplementary heater				
Off mode	P _{OFF}	0,015	kW	Rated heat output	Psup	-	kW	
Thermostat-off mode	P _{TO}	0,015	kW	Type of energy input		electrical		
Standby mode	P _{SB}	0,015	kW	-				
Crankcase heater mode	Рск	-	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 _{WA}	50 / -	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	6	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			-					
			-					