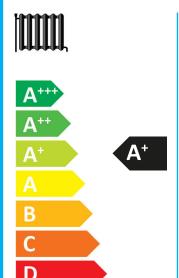
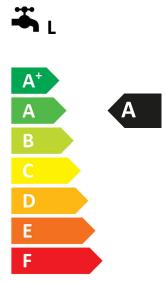


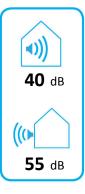
1007994101

alpha innotec

Jersey 7-1











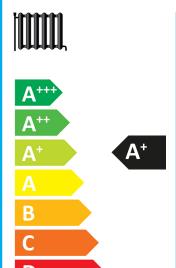
10 kW

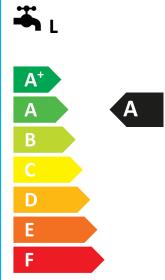


1007994101

alpha innotec

Jersey 7-1











10 kW

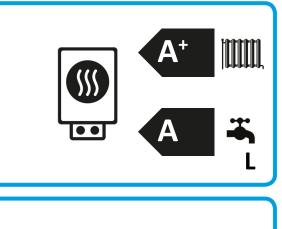


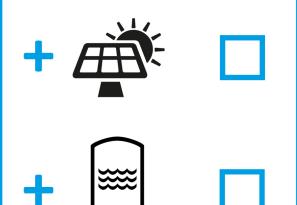
ENERG Y UA enepγεια IE IA

1007994101

alpha innotec

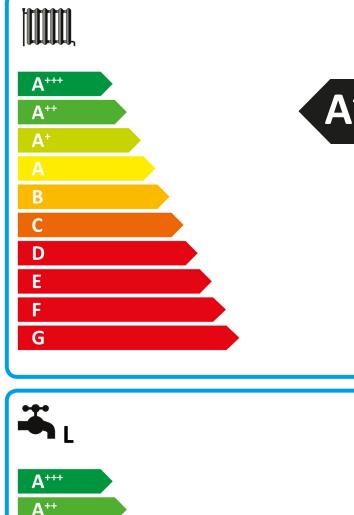
Jersey 7-1 + HPC

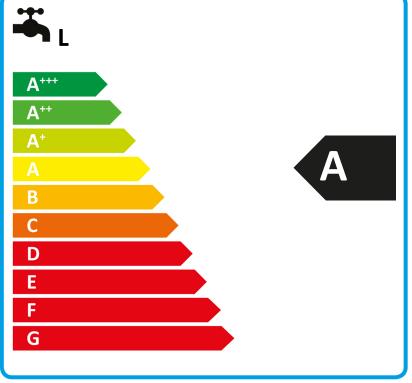


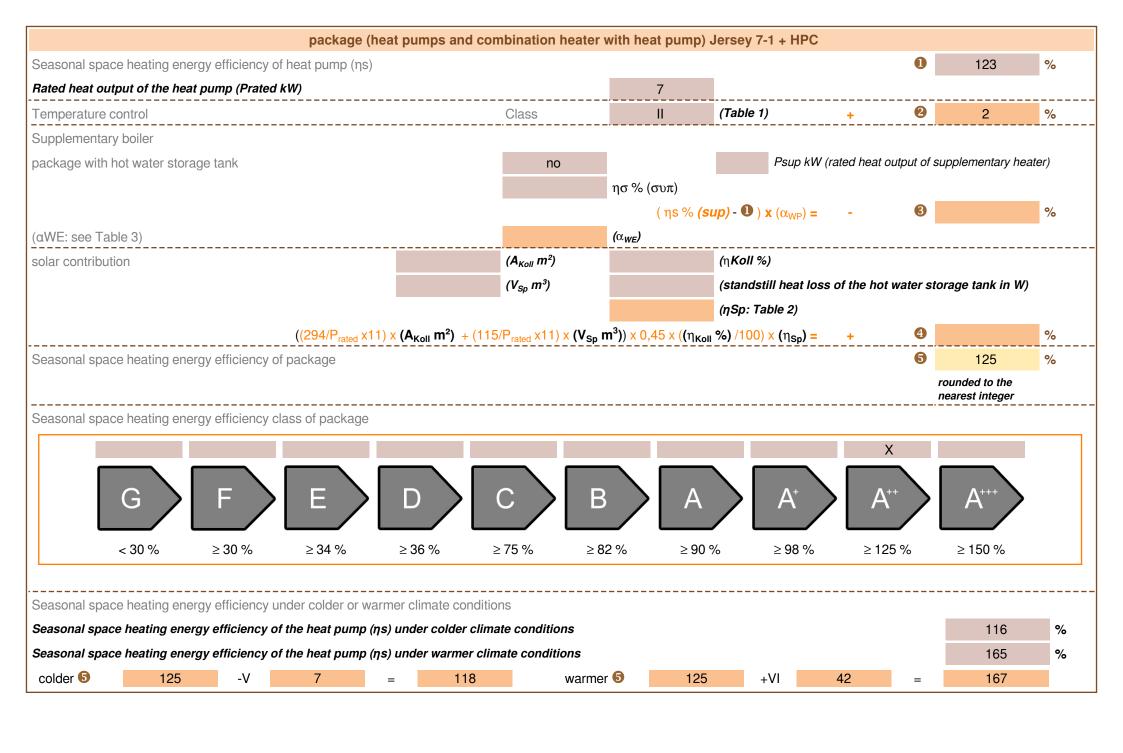












heatpump datasheet:					
manufacturer:	alpha innotec				
model:	Jersey 7-1				
	•				
Information concerning energy efficiency class and rated	heat output:				
load profile water heating		-			
	-				
	average / low	average / medium			
energy efficiency class space heater:	A++	A+	-		
energy efficiency class waterheating		A	-		
rated heat output:	8	7	kW		
annual final energy consumption space heater	4102	4917	kWh		
annual electricity consumption waterheating	1188		kWh		
energy efficiency space heater:	162	123	%		
energy efficiency waterheating	86		%		
	•		•		
sound power level indoors		40	dB		
			-		
special precautions concerning assembly, installation or n	naintenance				
All instructional work in this manual may only be carried out by qu	ualified specialist personnel in c	ompliance with local regulations	i.		
additional information	low	medium			
rated heat output colder climate	9	10	kW		
rated heat output warmer climate	8	8	kW		
annual energy consumption space heater colder climate	6116	8289	kWh		
annual energy consumption space heater warmer climate	1995	2540	kWh		
ann. Electricity consumption waterheating colder climate	1299		kWh		
ann. Electricity consumption waterheating warmer climate	1031		kWh		
energy effiency space heater colder climate	142	116	%		
energy effiency space heater warmer climate	211	165	%		
energy efficiency waterheating colder climate	79		%		
energy efficiency DHWwarmer climate	99		%		
	•				
		55	_		

technical data of the temperature controller							
manufacturer:	alpha innotec						
model:	HPC						
controller class	II	-					
contribution of the controller to the energy efficiency space heater	2	%					

Model				Jersey 7-1			
			yes				
Brine-to-water heat pump: (yes/no)			no				
Water-to-water heat pump: (yes/no)			no	no			
Low-temperature heat pump: (yes/no)			no				
Equipped with supplementary heater: (yes/no)			yes				
combination heater with: (yes/no)			yes				
application: (low/medium)				medium			
climate: (colder/average/warmer))			average			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output	Prated	7	kW	Seasonal space heating energy efficiency	ηS	122,9	%
Declared coefficient of perfor temperature 20°C and outdoor			indoor	Declared coefficient of perfor temperature 20°C and outdoor			ndoor
Tj = -7°C	Pdh	6,5	kW	Tj = -7°C	COPd	2,03	-
Tj = +2°C	Pdh	3,7	kW	Tj = +2°C	COPd	3,00	-
Tj = +7°C	Pdh	2,5	kW	Tj = +7°C	COPd	4,25	-
Tj = +12°C	Pdh	2,2	kW	Tj = +12°C	COPd	5,60	-
Tj = bivalent temperature	Pdh	6,5	kW	Tj = bivalent temperature	COPd	2,03	-
Tj = operation limit temperature	Pdh	5,3	kW	Tj = operation limit temperature	COPd	1,75	-
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	58	°C
Power consumption in modes	other thai	active mod	e	Supplementary heater	•		
Off mode	P _{OFF}	0,041	kW	Rated heat output	Psup	2,2	kW
Thermostat-off mode	P _{TO}	0,045	kW	Type of energy input		electrical	
Standby mode	P _{SB}	0,045	kW				
Crankcase heater mode	P _{CK}	-	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	3.000	m ³ /h
sound power level, indoors/outdoors	L _{WA}	40 / 55	dB	For water-/brine-to-water heat 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 h	eater:						
Declared load profile		L		Water heating energy efficiency	η_{wh}	86	%
Daily electricity consumption	Q _{elec}	5,817	kWh	Daily fuel consumption	Qfuel	-	kWh
Contact details	ait deutsch	land GmbH, I	ndustriestr. 3	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				Jersey 7-1				
Air-to-water heat pump: (yes/no)				yes				
Brine-to-water heat pump: (yes/no)				no	no			
Water-to-water heat pump: (yes/no)			no	no				
Low-temperature heat pump: (yes/no)			no					
Equipped with supplementary heater: (yes/no)			yes					
combination heater with: (yes/no)			yes				
application: (low/medium)				low				
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	162,2	%	
Declared coefficient of perfor temperature 20°C and outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoor			ndoor	
Tj = -7°C	Pdh	7,2	kW	Tj = -7°C	COPd	2,65	-	
Tj = +2°C	Pdh	4,1	kW	Tj = +2°C	COPd	3,99	-	
Tj = +7°C	Pdh	2,6	kW	Tj = +7°C	COPd	5,34	-	
Tj = +12°C	Pdh	2,2	kW	Tj = +12°C	COPd	7,15	-	
Tj = bivalent temperature	Pdh	7,2	kW	Tj = bivalent temperature	COPd	2,59	-	
Tj = operation limit temperature	Pdh	7,9	kW	Tj = operation limit temperature	COPd	2,56	-	
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	58	°C	
Power consumption in modes	other than	n active mod	e	Supplementary heater			•	
Off mode	P _{OFF}	0,041	kW	Rated heat output	Psup	-	kW	
Thermostat-off mode	P _{TO}	0,045	kW	Type of energy input		electrical		
Standby mode	P _{SB}	0,045	kW					
Crankcase heater mode	P _{CK}	-	kW					
Other items								
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	3.000	m ³ /h	
sound power level, indoors/outdoors	L _{WA}	40 / 55	dB	For water-/brine-to-water heat 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 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	3, 95359 Kasendorf, Germany	<u>- </u>			
				the rated heat output Prated is equ equal to the supplementary capac			eating	
/**\ If O -ll= :=t -l -t:l l	annur aman	t than the defe	ault dogradat	tion coefficient is Cdh = 0,9.				