

100773WR2141

alpha innotec

LWV 122R3-WR 2.1-1/3



55°C

35 °C



Δ++

A⁺

Α

В

C

D



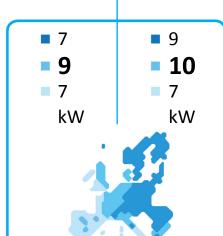




47 dB



49 dB



2019

811/2013



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alpha innotec

LWV 122R3-WR 2.1-1/3



55 °C

35 °C



Λ ++

Δ+

Δ

В

C



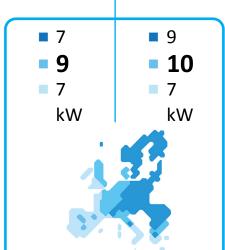




47 dB



49 dB



2019

811/2013



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100773WR2141

alpha innotec

LWV 122R3-WR 2.1-1/3 + Luxtronik 2.1

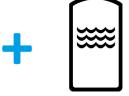


































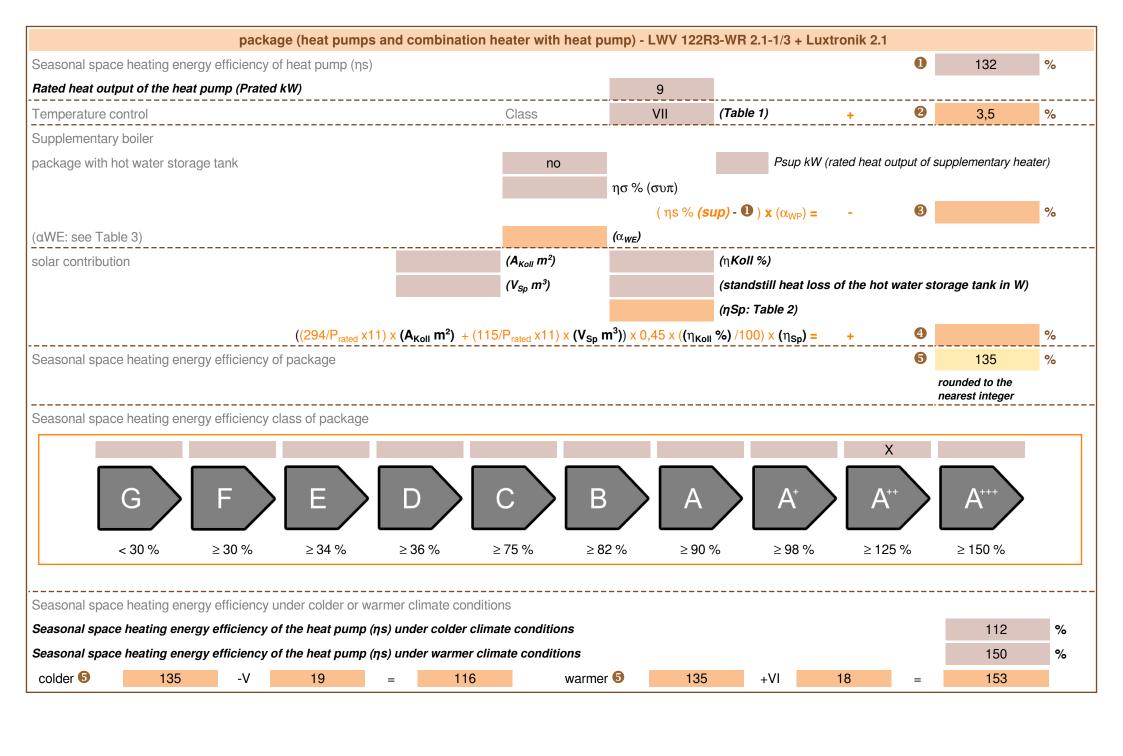








811/2013



heatpump datasheet:			
manufacturer:	alpha innotec		
model:	LWV 122R3-WR 2.1-1/3		
Information concerning energy efficiency class and rat	ed heat output:		
		-	
	average / low	average / medium	
energy efficiency class space heater:	A++	A++	-
rated heat output:	10	9	kW
energy efficiency space heater:	174	132	%
annual final energy consumption space heater	4681	5398	kWh
sound power level indoors		47	dB
			•
special precautions concerning assembly, installation	or maintenance		
All instructional work in this manual may only be carried out b regulations.	y quamieu opeonanet poroor	mor in complication with local	4
additional information	low	modium	<u> </u>
	low	medium	1-14/
rated heat output colder climate	9	7	kW
rated heat output warmer climate	7	7	kW
energy effiency space heater colder climate	132	112	%
energy effiency space heater warmer climate	181	150	%
annual energy consumption space heater colder climate	6290	5984	kWh
annual energy consumption space heater warmer climate	1887	2268	kWh
		+	
sound power level outdoors		49	dB

technical data of the temperature	controller			
manufacturer:		alpha innotec		
model:	Luxtronik 2.1			
controller class		VII	-	
contribution of the controller to the en	ergy efficiency space heater	3,5	%	

Model			LWV 122R3-WR 2.1-1/3				
			yes				
Brine-to-water heat pump: (yes/no)			no				
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	9	kW	Seasonal space heating energy efficiency	ηS	131,7	%
Declared coefficient of perfor temperature 20°C and outdoor			indoor	Declared coefficient of perfor temperature 20°C and outdoor			indoor
Tj = -7°C	Pdh	8,3	kW	Tj = -7°C	COPd	2,18	-
Tj = +2°C	Pdh	4,8	kW	Tj = +2°C	COPd	3,28	-
Tj = +7°C	Pdh	5,2	kW	Tj = +7°C	COPd	4,54	-
Tj = +12°C	Pdh	6,0	kW	Tj = +12°C	COPd	6,15	-
Tj = bivalent temperature	Pdh	8,3	kW	Tj = bivalent temperature	COPd	2,18	-
Tj = operation limit temperature	Pdh	6,7	kW	Tj = operation limit temperature	COPd	1,94	-
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	60	°C
Power consumption in modes	other than	active mod	e	Supplementary heater			
Off mode	P _{OFF}	0,020	kW	Rated heat output	Psup	2,1	kW
Thermostat-off mode	P _{TO}	0,020	kW	Type of energy input		electrical	
Standby mode	P _{SB}	0,020	kW				
Crankcase heater mode	P _{CK}	-	kW				
Other items					•		
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2.900	m ³ /h
sound power level, indoors/outdoors	L _{WA}	47 / 49	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			<u> </u>				
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Contact details	 	and GmbH Ir	ndustriestr. 3	95359 Kasendorf Germany			
				the rated heat output Prated is equ equal to the supplementary capac			eating
-				tion coefficient is Cdh = 0,9.		<u> </u>	

Model				LWV 122R3-WR 2.1-1/3			
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				
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	10	kW	Seasonal space heating energy efficiency	ηS	173,5	%
Declared coefficient of perfor temperature 20°C and outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoor			ndoor
Tj = -7°C	Pdh	8,5	kW	Tj = -7°C	COPd	2,60	-
Tj = +2°C	Pdh	5,3	kW	Tj = +2°C	COPd	4,52	-
Tj = +7°C	Pdh	6,3	kW	Tj = +7°C	COPd	6,04	-
Tj = +12°C	Pdh	6,7	kW	Tj = +12°C	COPd	7,34	-
Tj = bivalent temperature	Pdh	8,5	kW	Tj = bivalent temperature	COPd	2,60	-
Tj = operation limit temperature	Pdh	7,5	kW	Tj = operation limit temperature	COPd	2,58	-
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	60	°C
Power consumption in modes	other thai	n active mod	e	Supplementary heater			
Off mode	P _{OFF}	0,020	kW	Rated heat output	Psup	2,5	kW
Thermostat-off mode	P _{TO}	0,020	kW	Type of energy input		electrical	•
Standby mode	P _{SB}	0,020	kW				
Crankcase heater mode	P _{CK}	-	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2.900	m ³ /h
sound power level, indoors/outdoors	L _{WA}	47 / 49	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 In	dustriestr. 3	95359 Kasendorf Germany			
				the rated heat output Prated is equ equal to the supplementary capac			eating
/**) If Odle is not determined by m	noacuromon	t then the defa	ault degradat	tion coefficient is Cdh = 0,9.			