

10077141

alpha innotec

LWCV 122R3



55 °C

35 °C



\(++

Δ+

Δ

В

C

A++

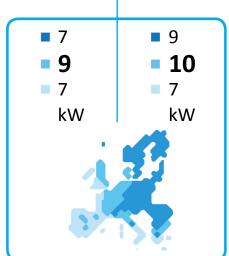




47 dB



49 dB



2019

811/2013



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LWCV 122R3



55 °C

35 °C



^++

Δ+

A

ט

C

A⁺⁺

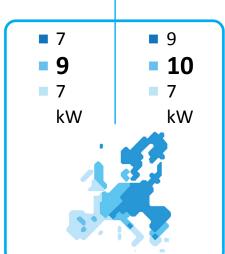




47 dB



49 dB



2019

811/2013



ENERG Y (JA) ehepγuя · ενεργεια (Ε) (ΙΑ)

10077141

alpha innotec

LWCV 122R3 + Luxtronik 2.1































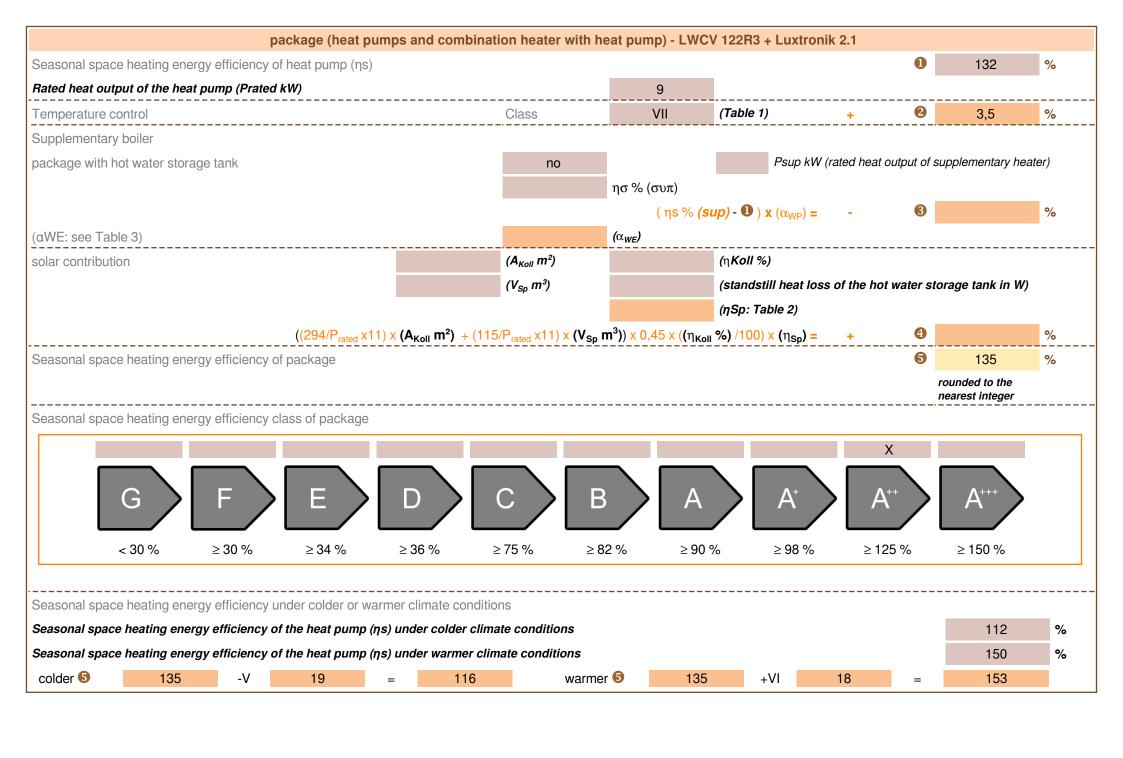








2015



heatpump datasheet:				
manufacture.	aluba inuataa			
manufacturer:	alpha innotec LWCV 122R3			
model:				
Information concerning energy efficiency class and rat	ed neat output:			
	average / low	average / medium		
energy efficiency class space heater:	A++	A++	<u> </u>	
rated heat output:	10	9	kW	
energy efficiency space heater:	174	132	%	
annual final energy consumption space heater	4681	5398	kWh	
			<u> </u>	
sound power level indoors		47	dB	
special precautions concerning assembly, installation	or maintenance			
regulations.				
additional information	low	medium _		
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 energy efficiency space heater		3,5	%		

al space heating efficiency d coefficient of perfori	Committee				
efficiency	Complex				
efficiency	Complete				
efficiency	Complete				
efficiency	Complete				
efficiency	Committee				
efficiency	Complete				
efficiency	Comple				
efficiency	Carrada	average			
efficiency	Symbol	Value	Unit		
d coefficient of perfori	ηS	131,7	%		
ature 20°C and outdoo			ndoor		
С	COPd	2,18	-		
С	COPd	3,28	-		
С	COPd	4,54	-		
°C	COPd	6,15	-		
lent temperature	COPd	2,18	-		
ration limit temperature	COPd	1,94	-		
o-water heat pumps: Tj (if TOL < -20°C)	COPd	-	-		
o-water heat pumps: on limit temperature	TOL	-10	°C		
nterval efficiency	COPcyc	-	-		
water operating limit ture	WTOL	60	°C		
mentary heater					
eat output	Psup	2,1	kW		
energy input		electrical	*		
o-water heat pumps: r flow rate, outdoors	-	2.900	m ³ /h		
er-/brine-to-water heat Rated brine or water , outdoor heat er	-	-	m ³ /h		
	•				
eating energy efficiency	η_{wh}	-	%		
g g, g	Qfuel	-	kWh		
	<u> </u>				
	neating energy efficiency el consumption asendorf Germany heat output Prated is equa	neating energy efficiency η_{wh} el consumption Qfuel asendorf Germany heat output Prated is equal to the des	neating energy efficiency η_{wh} - el consumption Qfuel -		

Model			LWCV 122R3				
Air-to-water heat pump: (yes/no)			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)			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 outdoor			indoor	Declared coefficient of perfor temperature 20°C and outdoor			indoor
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	1	kWh
Contact details	ait deutsch	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	neasuremen	t then the defa	ault degrada	tion coefficient is Cdh = 0,9.			