

100773HV1241

alpha innotec

LWV 122R3-HV 12-3



55 °C

35 °C



Δ++

A⁺

A

В

L

A++

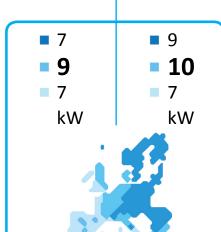




47 dB



49 dB



2019

811/2013



100773HV1241

alpha innotec

LWV 122R3-HV 12-3



55 °C

35 °C



^++

Δ+

A

R

L

A++

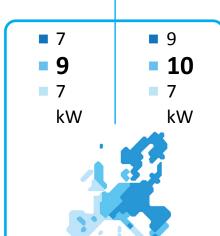
A⁺⁺



47 dB



49 dB



2019

811/2013



IJA ENERG енергия · ενεργεια

100773HV1241

alpha innotec

LWV 122R3-HV 12-3 + Luxtronik 2.1













































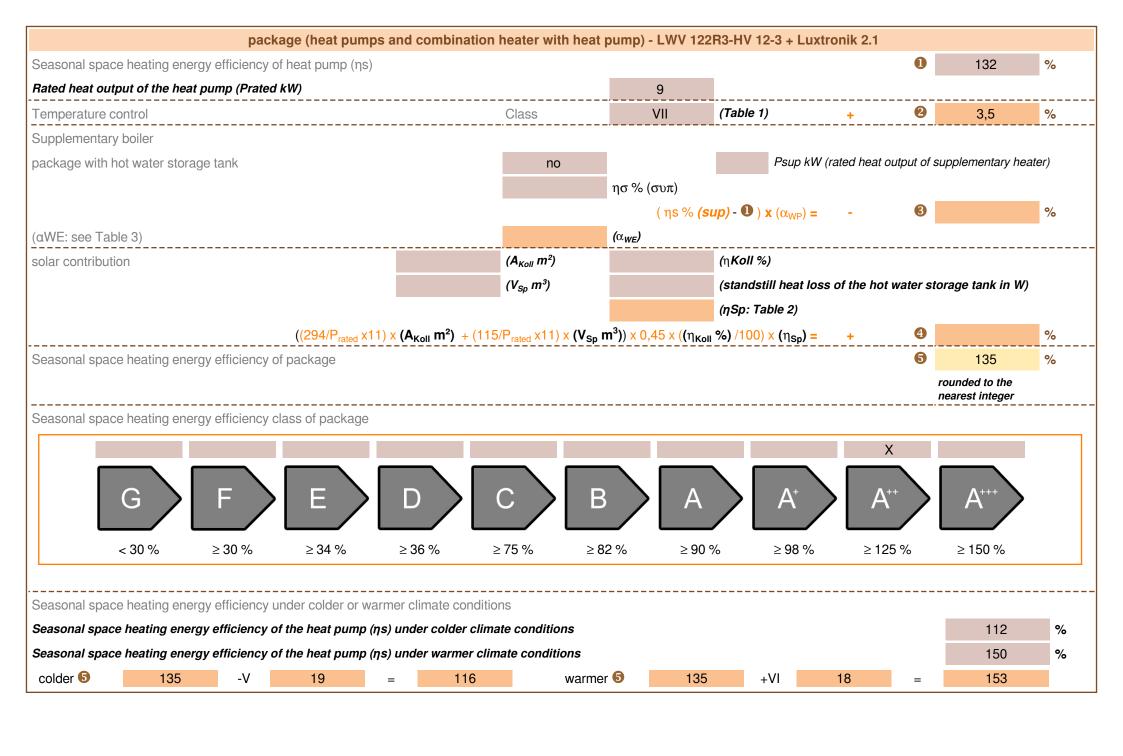








2015 811/2013



heatpump datasheet:			
manufacturer:	alpha innotec		
model:	LWV 122R3-HV 12-3		
	•		
Information concerning energy efficiency class and r	rated 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
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
·		1	
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-HV 12-3				
			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	le	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	m³/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	 	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.		//		

Model				LWV 122R3-HV 12-3				
Air-to-water heat pump: (yes/no)				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)				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			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 than	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 Ir	dustriestr. 3	95359 Kasendorf Germany				
				the rated heat output Prated is equ equal to the supplementary capac			eating	
(**) If Cdh is not determined by m								