

100776HV941

alpha innotec

LWAV 82R1/3-HV 9-1/3



55 °C

35 °C



\(++

 A^+

Α

D

A⁺⁺

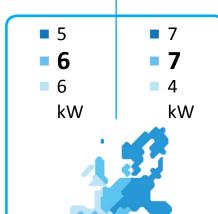




44 dB



50 dB



2019

811/2013



100776HV941

alpha innotec

LWAV 82R1/3-HV 9-1/3



55 °C

35 °C



\Lambda ++

Δ+

Δ

D

L

A++

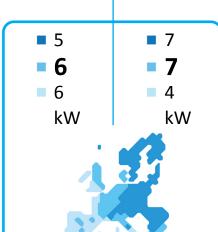
A***



44 dB



50 dB



2019

811/2013



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100776HV941

alpha innotec

LWAV 82R1/3-HV 9-1/3 + Luxtronik 2.1

















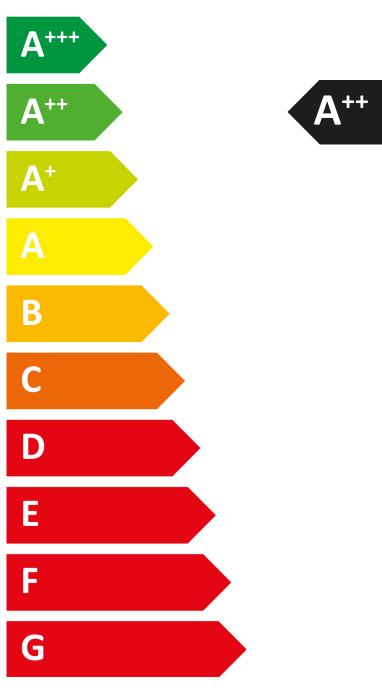


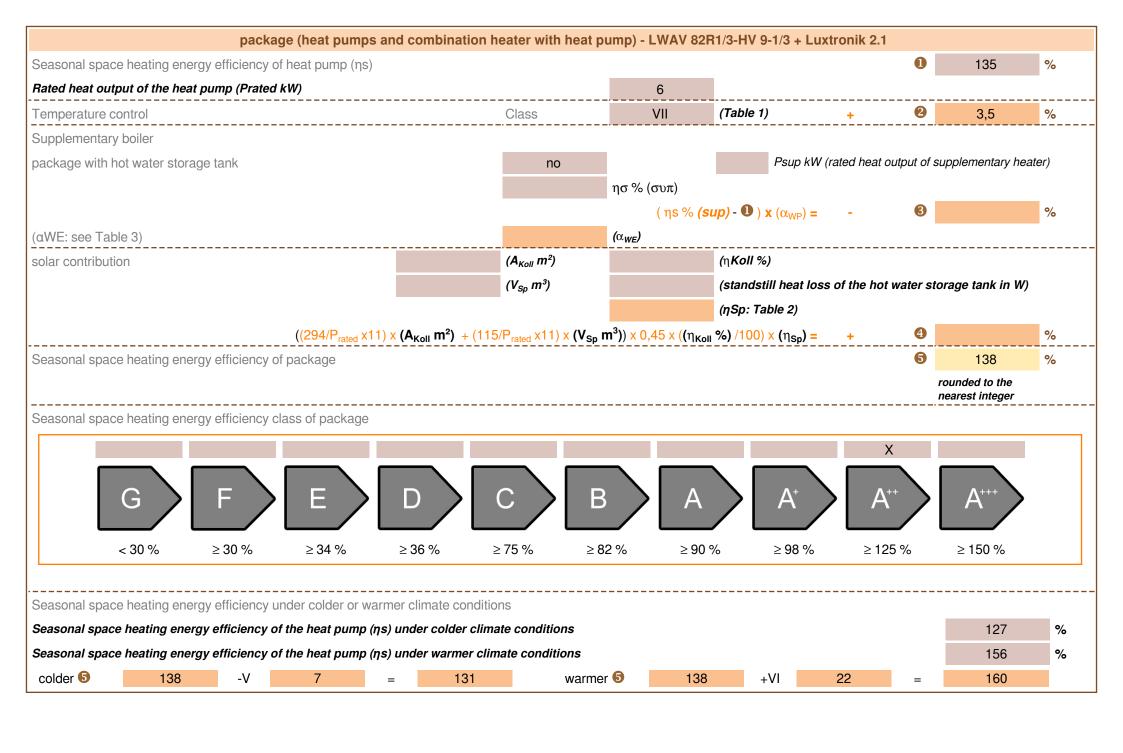












heatpump datasheet:				
and a second a second as s	aluba innatas			
manufacturer:	alpha innotec	•		
model:	LWAV 82R1/3-HV 9-1/3			
	ted best sutput.			
Information concerning energy efficiency class and ra	ted neat output:			
	average / low	average / medium		
energy efficiency class space heater:	A+++	A++	-	
rated heat output:	7	6	kW	
energy efficiency space heater:	180	135	%	
annual final energy consumption space heater	3029	3390	kWh	
	•	•		
sound power level indoors		44	dB	
additional information	low	medium		
rated heat output colder climate	7	5	kW	
rated heat output warmer climate	4	6	kW	
energy effiency space heater colder climate	145	127	%	
energy effiency space heater warmer climate	214	156	%	
annual energy consumption space heater colder climate	4339	3781	kWh	
annual energy consumption space heater warmer climate	1009	1844	kWh	
sound power level outdoors		50	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			LWAV 82R1/3-HV 9-1/3											
			yes											
Brine-to-water heat pump: (yes/no)			no											
Water-to-water heat pump: (yes/no) Low-temperature heat pump: (yes/no) Equipped with supplementary heater: (yes/no) combination heater with: (yes/no) application: (low/medium)			no no yes no											
							medium							
							climate: (colder/average/warmer)			average			
							Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
			Rated heat output	Prated	6	kW	Seasonal space heating energy efficiency	ηS	134,7	%				
Declared coefficient of perfortemperature 20°C and outdoor			indoor	Declared coefficient of perfor temperature 20°C and outdoor			indoor							
Tj = -7°C	Pdh	5,0	kW	Tj = -7°C	COPd	2,31	-							
Tj = +2°C	Pdh	3,5	kW	Tj = +2°C	COPd	3,43	-							
Tj = +7°C	Pdh	3,0	kW	Tj = +7°C	COPd	4,86	-							
Tj = +12°C	Pdh	3,4	kW	Tj = +12°C	COPd	6,56	-							
Tj = bivalent temperature	Pdh	5,0	kW	Tj = bivalent temperature	COPd	2,31	-							
Tj = operation limit temperature	Pdh	4,2	kW	Tj = operation limit temperature	COPd	2,12	-							
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}	0,031	kW	Rated heat output	Psup	1,4	kW							
Thermostat-off mode	P _{TO}	-	kW	Type of energy input		electrical	•							
Standby mode	P_{SB}	0,031	kW											
Crankcase heater mode	P _{CK}	-	kW											
Other items					•									
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2.500	m ³ /h							
sound power level, indoors/outdoors	L _{WA}	44 / 50	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							
(**) If Cdh is not determined by n														

Model			LWAV 82R1/3-HV 9-1/3				
			yes				
Brine-to-water heat pump: (yes/no)			no				
Water-to-water heat pump: (yes/no) Low-temperature heat pump: (yes/no) Equipped with supplementary heater: (yes/no)			no 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	7	kW	Seasonal space heating energy efficiency	ηS	179,8	%
Declared coefficient of perfor temperature 20°C and outdoor			indoor	Declared coefficient of perfor temperature 20°C and outdoor			indoor
Tj = -7°C	Pdh	5,9	kW	Tj = -7°C	COPd	3,26	-
Tj = +2°C	Pdh	3,8	kW	Tj = +2°C	COPd	4,70	-
Tj = +7°C	Pdh	3,3	kW	Tj = +7°C	COPd	5,97	-
Tj = +12°C	Pdh	3,4	kW	Tj = +12°C	COPd	7,92	-
Tj = bivalent temperature	Pdh	5,9	kW	Tj = bivalent temperature	COPd	3,26	-
Tj = operation limit temperature	Pdh	5,1	kW	Tj = operation limit temperature	COPd	3,18	-
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}	0,031	kW	Rated heat output	Psup	1,6	kW
Thermostat-off mode	P _{TO}	-	kW	Type of energy input		electrical	
Standby mode	P_SB	0,031	kW				
Crankcase heater mode	P _{CK}	-	kW				
Other items					•		
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2.500	m ³ /h
sound power level, indoors/outdoors	L _{WA}	44 / 50	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.	•	<u> </u>	