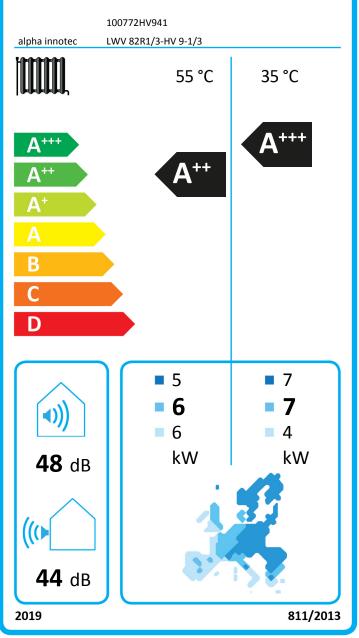
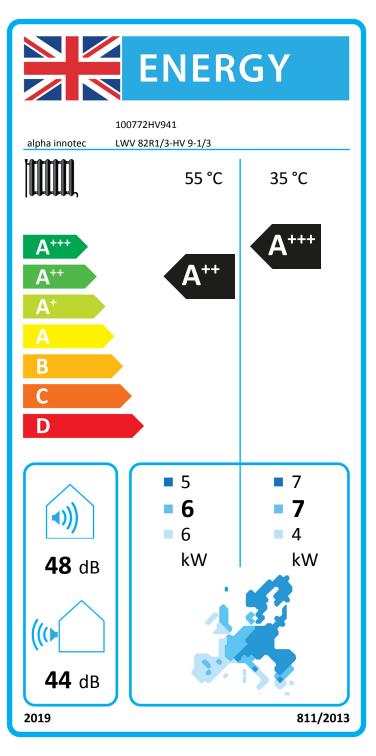


ЕNERG О ОА енергия · ενεργεια





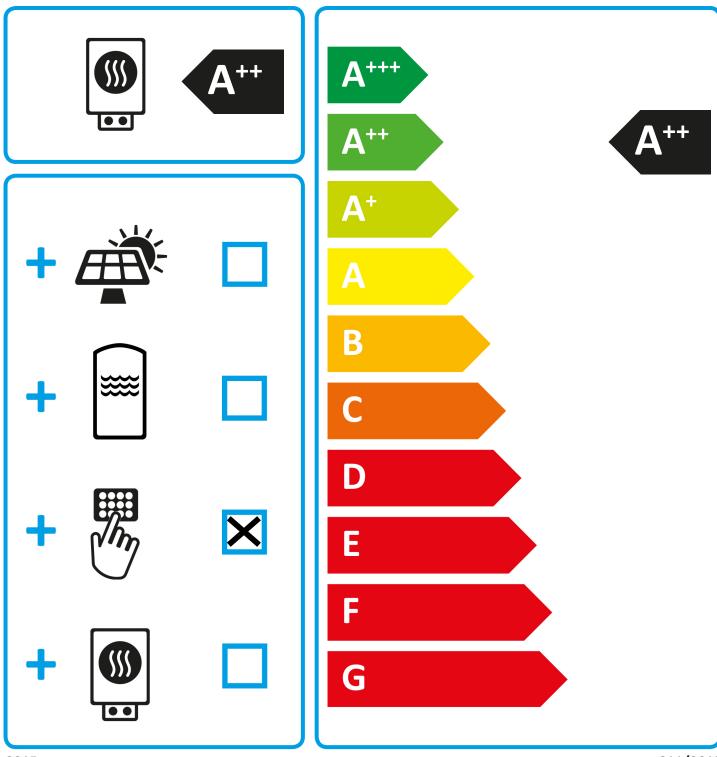


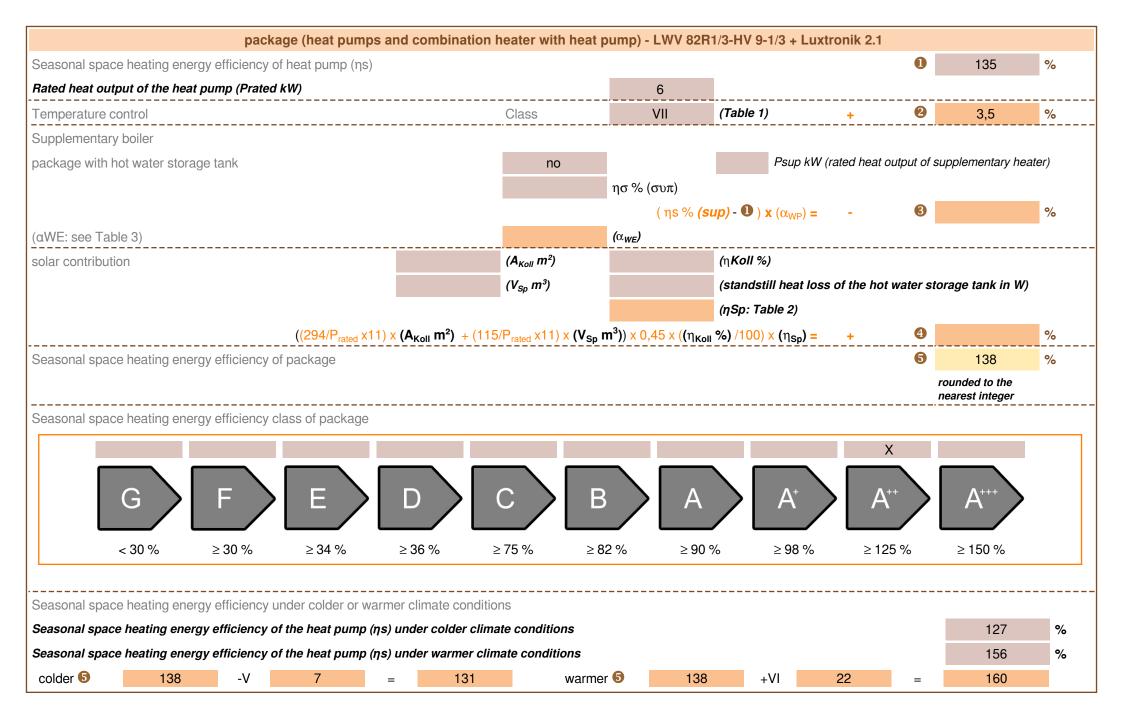


100772HV941

alpha innotec

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





otec
1/3-HV 9-1/3

Information concerning energy efficiency class and rated heat 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

48

dB

sound power level indoors

special precautions concerning assembly, installation or maintenance

All instructional work in this manual may only be carried out by qualified specialist personnel in compliance with local regulations.

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		44	dB

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

Model				LWV 82R1/3-HV 9-1/3			
Air-to-water heat pump: (yes/no)				yes			
Brine-to-water heat pump: (yes/no)				no			
Water-to-water heat pump: (yes/i	no)			no			
Low-temperature heat pump: (ye	s/no)			no			
Equipped with supplementary he	ater: (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	6	kW	Seasonal space heating energy efficiency	ηS	134,7	%
Declared coefficient of perfor temperature 20°C and outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoo			ndoor
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 that	n active mod	e	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	1
Standby mode	P _{SB}	0,031	kW				
Crankcase heater mode	Р _{ск}	-	kW	-			
Other items			1		1		
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2.500	m³/h
sound power level, indoors/outdoors	L _{WA}	48 / 44	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		<u> </u>		-
For heat pump combination h							
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Contact details		land GmbH Ir		95359 Kasendorf Germany			•
(*) For heat pump space heaters	and heat pu	Imp combinat	ion heaters,	the rated heat output Prated is equ equal to the supplementary capac			eating
(**) If Cdh is not determined by m			-			- · · <i>J</i> /	

			LWV 82R1/3-HV 9-1/3					
Air-to-water heat pump: (yes/no)			yes					
ю)			no					
no)			no					
s/no)			no					
Equipped with supplementary heater: (yes/no)				yes				
)			no					
			low					
)			average					
Symbol	Symbol Value		Item Symbol Value Unit					
Prated	7	kW	Seasonal space heating energy efficiency	ηS	179,8	%		
		indoor				ndoor		
Pdh	5,9	kW	Tj = -7°C	COPd	3,26	-		
Pdh	3,8	kW	Tj = +2°C	COPd	4,70	-		
Pdh	3,3	kW	Tj = +7°C	COPd	5,97	-		
Pdh	3,4	kW	Tj = +12°C	COPd	7,92	-		
Pdh	5,9	kW	Tj = bivalent temperature	COPd	3,26	-		
Pdh	5,1	kW	Tj = operation limit temperature	COPd	3,18	-		
Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	COPd	-	-		
T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C		
Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-		
Cdh	1,0	-	Heating water operating limit temperature	WTOL	60	°C		
s other than	n active mod	e	Supplementary heater					
P _{OFF}	0,031	kW	Rated heat output	Psup	1,6	kW		
	-	kW	Type of energy input		electrical	•		
P _{SB}	0,031	kW						
Рск	-	kW						
		1						
variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2.500	m³/h		
L _{WA}	48 / 44	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m ³ /h		
NO _X	-	mg/kWh				-		
leater:								
	-		Water heating energy efficiency	η_{wh}	-	%		
Q _{elec}	-	kWh	Daily fuel consumption	Qfuel	-	kWh		
	land GmbH Ir							
and heat pu	mp combinat	ion heaters,	the rated heat output Prated is equ			eating		
s				.,	J J/-			
	no) no) no) ps/no) pater: (yes/no) prated prated prated Pdh PoFF PoFF PoF Pase Pok Nox peater: Qelec ait deutsch	no) no) pater: (yes/no) pater: (yes/no) pater: (yes/no) Symbol Value Prated 7 Symbol Value Prated 7 Symbol 5,9 Pdh 5,9 Pdh 3,8 Pdh 3,8 Pdh 3,4 Pdh 5,9 Pdh 5,1 Pdh 5,1 Pdh 5,1 Pdh 5,1 Pdh 5,1 Pdh 5,1 Pdh 5,1 Pdh 5,1 Pdh - T _{biv} -7 Pcych - T _{biv} -7 Pcych - Cdh 1,0 Sother than active mod P _{OFF} 0,031 P _{TO} - P _{SB} 0,031 P _{TO} - P _{SB} 0,031 P _{CK} - Variable L _{WA} 48 / 44 NO _X - neater: I Com 1,0 NO _X - neater: A 48 / 44	Ino) Ino) Iss/no) sater: (yes/no) Iss/mol Value Unit Symbol Value Unit Prated 7 kW Prated 7 kW Pdh 5,9 kW Pdh 3,8 KW Pdh 3,3 kW Pdh 3,1 kW Pdh 5,9 kW Pdh 3,1 kW Pdh 5,1 kW Pdh 5,1 kW Pdh 5,1 kW Pdh 5,1 kW Pdh 0,031 kW Pck - kW Pro - kW PsB 0,031 kW Pck - kW PsB 0,031 kW Pck - mg/kWh c Qelec - kW and heat pump combi	yesnonononolowaverageSymbolValueUnitItemPrated7kWSeasonal space heating energy efficiencymance for part load at indoor or temperature TjDeclared coefficient of perfor temperature 20°C and outdoorPdh5,9kWTj = -7°CPdh3,8kWTj = +2°CPdh3,8kWTj = +12°CPdh3,4kWTj = peration limit temperaturePdh5,1kWTj = operation limit temperaturePdh5,1kWTj = operation limit temperaturePdh-kWCycling interval efficiencyPdh-kWCycling interval efficiencyPdh-kWCycling interval efficiencyPdh-kWCycling interval efficiencyPcych-kWRated heat outputPoFF0,031kWRated heat outputPcoK-kWFor air-to-water heat pumps: Rated air flow rate, outdoorsLwa48 / 44dBFor air-to-water heat pumps: Rated air flow rate, outdoor heat exchangerNOx-mg/kWhvariableVariableFor air-to-water heat pumps: Rated air flow rate, outdoor heat exchangerNOx-mg/kWhvariableVariableFor	yes no no no no no s(no) no no no s(no) no no no low no low no low no low average Symbol Value Unit Item Symbol Prated 7 kW Seasonal space heating energy efficiency η S or temperature Tj Declared coefficient of performance for or temperature 20°C and outdoor temperator for part load at indoor or temperature 20°C and outdoor temperator for temperature 20°C and outdoor temperator for temperature Tj Declared coefficient of performance for or temperature 10°C and outdoor temperator for temperature 20°C and outdoor temperator for temperator for part load at indoor 10°C are are averater heat pumps: Tj COPd Pdh 3.4 KW Tj = operation limit temperature COPd Pdh 5.9 KW Tj = operation limit temperature COPd Pdh 7.1 kW For air-to-water heat pumps: ToL Coperation limit temperature	yes no no s/no) no is yes no is yes no is yes is yes		