

10353602

NOVELAN

LI 25.1



55 °C

35 °C



A⁺



23

kW



63 dB



55 dB

23 25 **25 2**4 **2**4 kW



2019

811/2013



10353602

NOVELAN

LI 25.1



55 °C

35 °C



Λ ++

 Δ^+

Λ

В

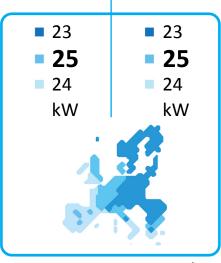
L

 A^+

A⁺⁺







2019

811/2013



ENERG IJA енергия · ενεργεια

10353602

NOVELAN

LI 25.1 + WPR-Net 2.0

















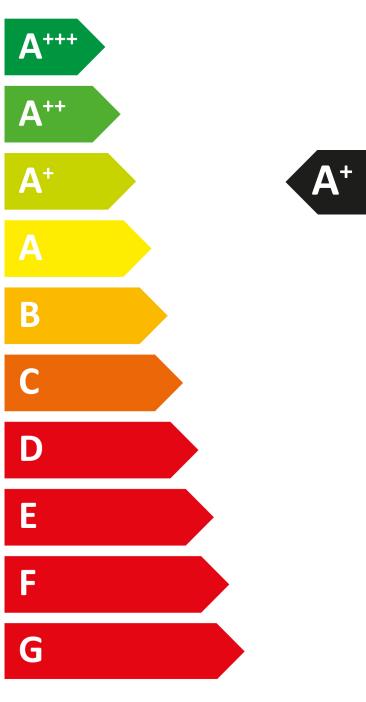






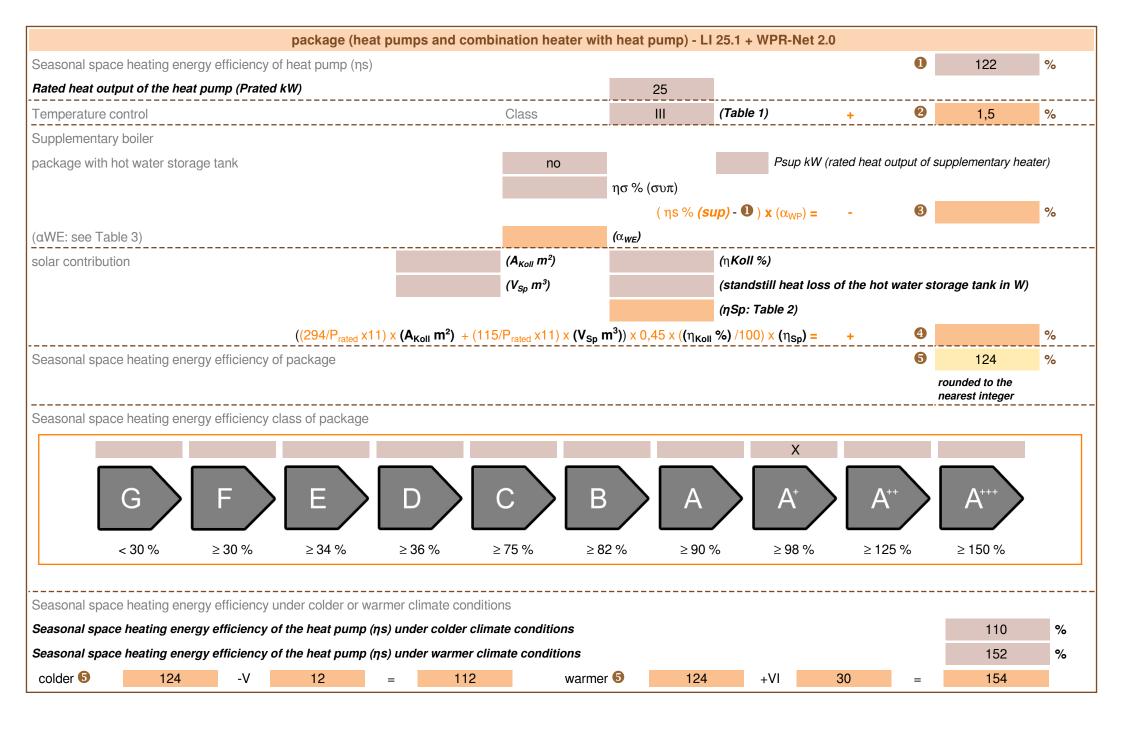






2015

811/2013



manufacturer:	NOVELAN			
model:				
model:	LI 25.1			
Information concerning energy efficiency class and rat	ad hoot output			
information concerning energy emclency class and rat	ed neat output.			
	average / low	average / medium		
energy efficiency class space heater:	A++	A+	-	
rated heat output:	25	25	kW	
energy efficiency space heater:	155	122	%	
annual final energy consumption space heater	13252	16517	kWh	
	•	•	•	
sound power level indoors		63	dB	
special precautions concerning assembly, installation of All instructional work in this manual may only be carried out by regulations.		nnel in compliance with loca	al	
All instructional work in this manual may only be carried out by		nnel in compliance with loca	al	
		nnel in compliance with loca	al	
All instructional work in this manual may only be carried out by regulations.		nnel in compliance with loca	al	
All instructional work in this manual may only be carried out by	y qualified specialist persor	•	al kW	
All instructional work in this manual may only be carried out by regulations. additional information	y qualified specialist persor	medium		
All instructional work in this manual may only be carried out by regulations. additional information rated heat output colder climate	y qualified specialist persor	medium 23	kW	
All instructional work in this manual may only be carried out by regulations. additional information rated heat output colder climate rated heat output warmer climate	low 23 24	medium 23 24	kW kW	
All instructional work in this manual may only be carried out by regulations. additional information rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate	low 23 24 134	medium 23 24 110	kW kW %	
All instructional work in this manual may only be carried out by regulations. additional information rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate energy effiency space heater warmer climate	low 23 24 134 198	medium 23 24 110 152	kW kW %	
All instructional work in this manual may only be carried out by regulations. additional information rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate energy effiency space heater warmer climate annual energy consumption space heater colder climate	low 23 24 134 198 16286	medium 23 24 110 152 19754	kW kW % kWh	

technical data of the temperature controller							
manufacturer:	NOVELAN						
model:	WPR-Net 2.0						
controller class	III	-					
contribution of the controller to the energy efficiency space heater	1,5	%					

			LI 25.1				
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)			medium				
climate: (colder/average/warmer)				average			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output	Prated	25	kW	Seasonal space heating energy efficiency	ηS	122,1	%
Declared coefficient of perfor temperature 20°C and outdoo			indoor	Declared coefficient of perfor temperature 20°C and outdoor			indoor
Tj = -7°C	Pdh	19,2	kW	Tj = -7°C	COPd	2,07	-
Tj = +2°C	Pdh	23,9	kW	Tj = +2°C	COPd	3,02	-
Tj = +7°C	Pdh	14,3	kW	Tj = +7°C	COPd	4,13	-
Tj = +12°C	Pdh	16,8	kW	Tj = +12°C	COPd	5,44	-
Tj = bivalent temperature	Pdh	20,2	kW	Tj = bivalent temperature	COPd	2,24	-
Tj = operation limit temperature	Pdh	17,7	kW	Tj = operation limit temperature	COPd	1,83	-
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}	-5	°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	70	°C
Power consumption in modes	other tha	n active mod	e	Supplementary heater			·
Off mode	P _{OFF}	0,010	kW	Rated heat output	Psup	7,3	kW
Thermostat-off mode	P _{TO}	0,010	kW	Type of energy input		electrical	-1
Standby mode	P _{SB}	0,010	kW				
Crankcase heater mode	Рск	-	kW				
Other items					1		
Capacity control	fixed			For air-to-water heat pumps: Rated air flow rate, outdoors	-	5.000	m³/h
sound power level, indoors/outdoors	L _{WA}	63 / 55	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		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		-					
· , - : - : - : - : - : - : - : - : - : -							

Model			LI 25.1				
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	25	kW	Seasonal space heating energy efficiency	ηS	154,8	%
Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature Tj			Declared coefficient of perfor temperature 20°C and outdoor			ndoor	
Tj = -7°C	Pdh	19,4	kW	Tj = -7°C	COPd	2,96	-
Tj = +2°C	Pdh	24,2	kW	Tj = +2°C	COPd	3,77	-
Tj = +7°C	Pdh	14,3	kW	Tj = +7°C	COPd	5,06	-
Tj = +12°C	Pdh	16,9	kW	Tj = +12°C	COPd	5,90	-
Tj = bivalent temperature	Pdh	20,4	kW	Tj = bivalent temperature	COPd	3,18	-
Tj = operation limit temperature	Pdh	17,8	kW	Tj = operation limit temperature	COPd	2,66	-
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}	-5	°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	70	°C
Power consumption in modes	other tha	n active mod	e	Supplementary heater			
Off mode	P _{OFF}	0,010	kW	Rated heat output	Psup	7,6	kW
Thermostat-off mode	P _{TO}	0,010	kW	Type of energy input		electrical	
Standby mode	P _{SB}	0,010	kW				
Crankcase heater mode	P _{CK}	-	kW				
Other items					•		
Capacity control	fixed			For air-to-water heat pumps: Rated air flow rate, outdoors	-	5.000	m³/h
sound power level, indoors/outdoors	L _{WA}	63 / 55	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		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		-			*		
,							