



ENERG
енергия · ενεργεια



10370342

NOVELAN

SI 10.2H3



55 °C

35 °C



A⁺⁺

A⁺⁺⁺



44 dB



- dB

■ 9
■ 10
■ 10
kW

■ 11
■ 11
■ 11
kW





ENERGY

10370342

NOVELAN

SI 10.2H3



55 °C

35 °C

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

A⁺⁺

A⁺⁺⁺



44 dB



- dB

■ 9
■ **10**
■ 10
kW

■ 11
■ **11**
■ 11
kW





ENERG

енергия · ενεργεια

Y

IJA

IE

IA

10370342

NOVELAN

SI 10.2H3 + WPR-Net 2.1



A⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺⁺

A⁺

A

B

C

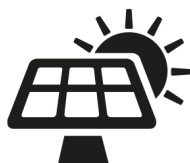
D

E

F

G

+



+



+



+



package (heat pumps and combination heater with heat pump) - SI 10.2H3 + WPR-Net 2.1									
Seasonal space heating energy efficiency of heat pump (η_s)				1		143		%	
Rated heat output of the heat pump (P_{rated} kW)				10					
Temperature control		Class		VII (Table 1)		+		2 3,5 %	
Supplementary boiler									
package with hot water storage tank		no				P_{sup} kW (rated heat output of supplementary heater)			
				η_s % ($\sigma\pi$)					
				$(\eta_s \text{ % (sup)} - 1) \times (\alpha_{WP}) =$		-		3 %	
(aWE: see Table 3)				(α_{WE})					
solar contribution		$(A_{Koll} \text{ m}^2)$		$(\eta_{Koll} \text{ %})$					
		$(V_{Sp} \text{ m}^3)$		$(standstill \text{ heat loss of the hot water storage tank in W})$					
				$(\eta_{Sp}: \text{Table 2})$					
				$((294/P_{rated} \times 11) \times (A_{Koll} \text{ m}^2) + (115/P_{rated} \times 11) \times (V_{Sp} \text{ m}^3)) \times 0,45 \times ((\eta_{Koll} \text{ %}) / 100) \times (\eta_{Sp}) =$		+		4 %	
Seasonal space heating energy efficiency of package				5		146		%	
				rounded to the nearest integer					
Seasonal space heating energy efficiency class of package									
<div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div>X</div><div></div></div><div><div>G</div><div>F</div><div>E</div><div>D</div><div>C</div><div>B</div><div>A</div><div>A⁺</div><div>A⁺⁺</div><div>A⁺⁺⁺</div></div><div><div>< 30 %</div><div>≥ 30 %</div><div>≥ 34 %</div><div>≥ 36 %</div><div>≥ 75 %</div><div>≥ 82 %</div><div>≥ 90 %</div><div>≥ 98 %</div><div>≥ 125 %</div><div>≥ 150 %</div></div></div>									
Seasonal space heating energy efficiency under colder or warmer climate conditions									
Seasonal space heating energy efficiency of the heat pump (η_s) under colder climate conditions						148		%	
Seasonal space heating energy efficiency of the heat pump (η_s) under warmer climate conditions						143		%	
colder 5	146	-V	-6	=	152	warmer 5	146	+VI	1 = 147

heatpump datasheet:			
manufacturer:		NOVELAN	
model:		SI 10.2H3	
Information concerning energy efficiency class and rated heat output:			
	average / low	average / medium	
energy efficiency class space heater:	A+++	A++	-
rated heat output:	11	10	kW
energy efficiency space heater:	214	143	%
annual final energy consumption space heater	3934	5241	kWh
sound power level indoors		44	dB
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	11	9	kW
rated heat output warmer climate	11	10	kW
energy efficiency space heater colder climate	223	148	%
energy efficiency space heater warmer climate	215	143	%
annual energy consumption space heater colder climate	4478	5980	kWh
annual energy consumption space heater warmer climate	2619	3497	kWh
sound power level outdoors		-	dB

technical data of the temperature controller		
manufacturer:	NOVELAN	
model:	WPR-Net 2.1	
controller class	VII	-
contribution of the controller to the energy efficiency space heater	3,5	%

