



ENERG
енергия · ενεργεια



10368742

NOVELAN

SIC 19.2H3



55 °C

35 °C



A⁺⁺

A⁺⁺⁺



50 dB



- dB

■ 19
■ **19**
■ 20
kW

■ 21
■ **21**
■ 22
kW





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NOVELAN

SIC 19.2H3



55 °C

35 °C

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

A⁺⁺

A⁺⁺⁺



50 dB



- dB

■ 19
■ **19**
■ 20
kW

■ 21
■ **21**
■ 22
kW





ENERG

енергия · ενεργεια

Y

IJA

IE

IA

10368742

NOVELAN

SIC 19.2H3 + WPR-Net 2.1



A⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺⁺

A⁺

A

B

C

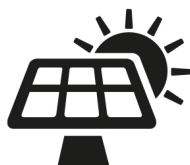
D

E

F

G

+



+



+



+



package (heat pumps and combination heater with heat pump) - SIC 19.2H3 + 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)

19

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 % ($\sigma\pi$)

$(\eta_s \% (sup) - ①) \times (\alpha_{WP}) = -$

③

%

(α_{WE} : see Table 3)

(α_{WE})

solar contribution

(A_{Koll} m²)

(η_{Koll} %)

(V_{Sp} m³)

(standstill heat loss of the hot water storage tank in W)

(η_{Sp} : 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

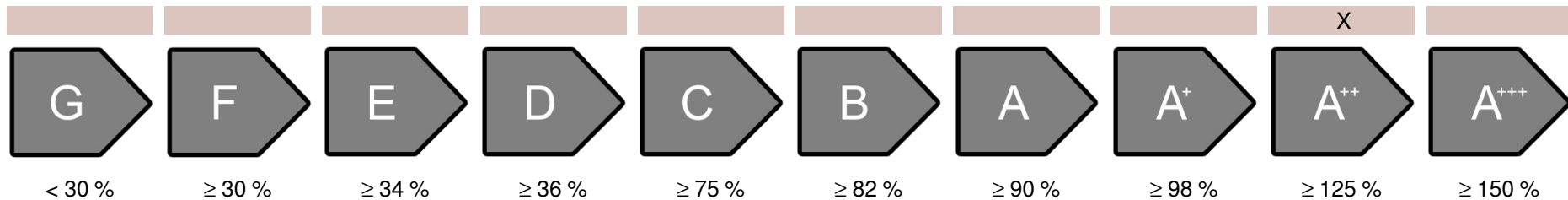
⑤

146

%

rounded to the nearest integer

Seasonal space heating energy efficiency class of package



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

144 %

colder ⑤

146

-V

-5

=

151

warmer ⑤

146

+VI

1

=

147

heatpump datasheet:			
manufacturer:		NOVELAN	
model:		SIC 19.2H3	
Information concerning energy efficiency class and rated heat output:			
	average / low	average / medium	
energy efficiency class space heater:	A+++	A++	-
rated heat output:	21	19	kW
energy efficiency space heater:	205	143	%
annual final energy consumption space heater	8139	10328	kWh
sound power level indoors		50	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	21	19	kW
rated heat output warmer climate	22	20	kW
energy efficiency space heater colder climate	212	148	%
energy efficiency space heater warmer climate	207	144	%
annual energy consumption space heater colder climate	9334	11851	kWh
annual energy consumption space heater warmer climate	5394	6864	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	%

