



ENERG  
енергия · ενεργεια



10362102

NOVELAN

SIP 56.1H



55 °C

35 °C



A<sup>++</sup>

A<sup>+++</sup>



59 dB



- dB

■ 52  
■ **52**  
■ 52  
kW

■ 54  
■ **54**  
■ 54  
kW





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SIP 56.1H



55 °C

35 °C

A<sup>+++</sup>

A<sup>++</sup>

A<sup>+</sup>

A

B

C

D

A<sup>++</sup>

A<sup>+++</sup>



**59** dB



- dB

■ 52  
■ **52**  
■ 52  
kW

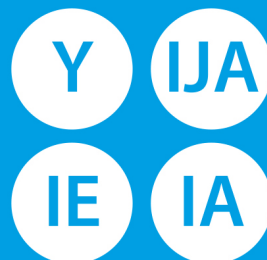
■ 54  
■ **54**  
■ 54  
kW





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NOVELAN

SIP 56.1H + WPR-Net 2.05



A<sup>++</sup>

A<sup>+++</sup>

A<sup>++</sup>

A<sup>++</sup>

A<sup>+</sup>

A

B

C

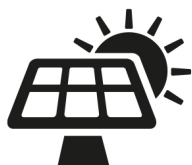
D

E

F

G

+



+



+



+



package (heat pumps and combination heater with heat pump) - SIP 56.1H + WPR-Net 2.05

Seasonal space heating energy efficiency of heat pump ( $\eta_s$ )

① 138 %

**Rated heat output of the heat pump ( $P_{rated}$  kW)**

52

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)

$\eta_s$  % ( $\sigma\pi$ )

( $\eta_s$  % (**sup**) - ①)  $\times$  ( $\alpha_{WP}$ ) = - ③ %

( $\alpha_{WE}$ : see Table 3)

( $\alpha_{WE}$ )

solar contribution

( $A_{Koll}$  m<sup>2</sup>)

( $\eta_{Koll}$  %)

( $V_{Sp}$  m<sup>3</sup>)

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

( $\eta_{Sp}$ : Table 2)

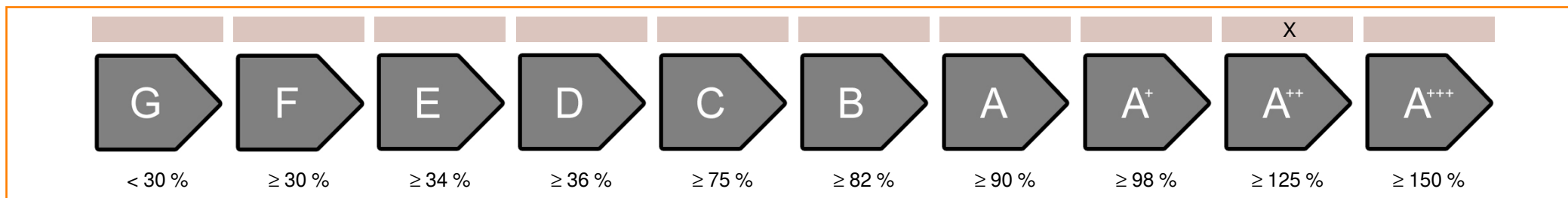
((294/ $P_{rated}$  x11)  $\times$  ( $A_{Koll}$  m<sup>2</sup>) + (115/ $P_{rated}$  x11)  $\times$  ( $V_{Sp}$  m<sup>3</sup>))  $\times$  0,45  $\times$  (( $\eta_{Koll}$  %)/100)  $\times$  ( $\eta_{Sp}$ ) = + ④ %

Seasonal space heating energy efficiency of package

⑤ 141 %

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 ( $\eta_s$ ) under colder climate conditions**

141 %

**Seasonal space heating energy efficiency of the heat pump ( $\eta_s$ ) under warmer climate conditions**

139 %

colder ⑤ 141 -V -3 = 144 warmer ⑤ 141 +VI 1 = 142

heatpump datasheet:			
manufacturer:		NOVELAN	
model:		SIP 56.1H	
Information concerning energy efficiency class and rated heat output:			
	average / low	average / medium	
energy efficiency class space heater:	A+++	A++	-
rated heat output:	54	52	kW
energy efficiency space heater:	181	138	%
annual final energy consumption space heater	23745	29660	kWh
sound power level indoors		59	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	54	52	kW
rated heat output warmer climate	54	52	kW
energy efficiency space heater colder climate	185	141	%
energy efficiency space heater warmer climate	183	139	%
annual energy consumption space heater colder climate	27699	34583	kWh
annual energy consumption space heater warmer climate	15213	19024	kWh
sound power level outdoors		-	dB

technical data of the temperature controller		
manufacturer:	NOVELAN	
model:	WPR-Net 2.05	
controller class	VII	-
contribution of the controller to the energy efficiency space heater	3,5	%



