

# WPL 20 AC

AIR | WATER HEAT PUMPS

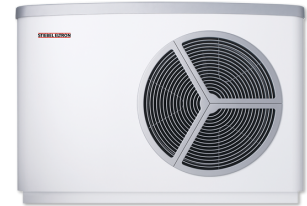
PRODUCT-NO.: 236641

Cosy warmth from the air, while others turn on their central heating.

The WPL 20 AC air | water heat pump, designed for outdoor use, is still exceptionally efficient even at temperatures well below freezing. High flow temperatures mean that conventional radiators can be used.

High efficiency on a quiet base.

For outdoor installation in particular, low operating noise is essential, especially from the viewpoint of neighbours. The quieter a heat pump operates, the smaller the clearance required to the nearest building.



## The main features

Air-water heat pump installed outdoors for heating and cooling

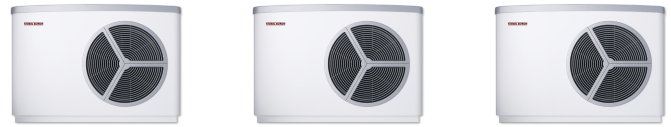
With energy efficient inverter technology for high flow temperatures even during cold winters

Suitable for buildings set closely together thanks to low operating noise

Can be combined with a solar thermal system

Integral cooling function

High energy efficiency class A++ even at a flow temperature of 55 °C



Type	WPL 20 A	WPL 25 A	WPL 20 AC
Part no.	236640	236644	236641
Output at A2/W35 (EN 14511)	8,33 kW	8,33 kW	8,33 kW
Output at A-7/W35 (EN 14511)	9,54 kW	12,86 kW	9,54 kW
Coefficient of performance at A-7/W35 (EN 14511)	3,26	2,93	3,26
Coefficient of performance at A2/W35 (EN 14511)	4,14	4,14	4,14

#### Technical data

Energy efficiency class, heat pump W35	A+++	A+++	A+++
Energy efficiency class, W55 heat pump	A++	A++	A++
Energy efficiency class, composite system (heat pump + controller) W35	A+++	A+++	A+++
Energy efficiency class, composite system (heat pump + controller) W55	A++	A++	A++
SCOP (EN 14825)	4,70	4,63	4,87
Cooling capacity at A35/W7 max.			11,49 kW
Cooling capacity factor at A35/W7 max.			2,53
Cooling capacity at A35/W7 partial load			4,80 kW
Cooling capacity factor at A35/W7 partial load			2,84
Sound power level (EN 12102)	54 dB(A)	54 dB(A)	54 dB(A)
Sound pressure level at 5 m distance in a free field	32 dB(A)	32 dB(A)	32 dB(A)
Rated compressor voltage	400 V	400 V	400 V
Rated voltage, emergency/booster heater	400 V	400 V	400 V
Max. application limit on the heating side	65 °C	65 °C	65 °C
Height	1045 mm	1045 mm	1045 mm
Width	1490 mm	1490 mm	1490 mm
Depth	593 mm	593 mm	593 mm

**Weight**

175 kg

175 kg

175 kg



Type	WPL 25 AC	WPL 15 ACS	WPL 25 ACS
Part no.	236645	236639	236643
Output at A2/W35 (EN 14511)	8,33 kW	4,23 kW	8,33 kW
Output at A-7/W35 (EN 14511)	12,86 kW	6,86 kW	12,86 kW
Coefficient of performance at A-7/W35 (EN 14511)	2,93	2,83	2,98
Coefficient of performance at A2/W35 (EN 14511)	4,14	3,88	4,14

#### Technical data

Energy efficiency class, heat pump W35	A+++	A++	A+++
Energy efficiency class, W55 heat pump	A++	A++	A++
Energy efficiency class, composite system (heat pump + controller) W35	A+++	A++	A+++
Energy efficiency class, composite system (heat pump + controller) W55	A++	A++	A++
SCOP (EN 14825)	4,76	4,04	4,53
Cooling capacity at A35/W7 max.	14,88 kW	7,86 kW	14,88 kW
Cooling capacity factor at A35/W7 max.	2,38	2,41	2,38
Cooling capacity at A35/W7 partial load	4,80 kW	2,15 kW	4,80 kW
Cooling capacity factor at A35/W7 partial load	2,84	2,39	2,84
Sound power level (EN 12102)	54 dB(A)	50 dB(A)	54 dB(A)
Sound pressure level at 5 m distance in a free field	32 dB(A)	28 dB(A)	32 dB(A)
Rated compressor voltage	400 V	230 V	230 V
Rated voltage, emergency/booster heater	400 V	230 V	230 V
Max. application limit on the heating side	65 °C	65 °C	65 °C
Height	1045 mm	900 mm	1045 mm
Width	1490 mm	1270 mm	1490 mm
Depth	593 mm	593 mm	593 mm

**Weight**

175 kg

160 kg

175 kg">

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Type	WPL 15 AS	WPL 25 AS
Part no.	236638	236642
Output at A2/W35 (EN 14511)	4,23 kW	8,33 kW
Output at A-7/W35 (EN 14511)	6,86 kW	12,86 kW
Coefficient of performance at A-7/W35 (EN 14511)	2,83	2,98
Coefficient of performance at A2/W35 (EN 14511)	3,88	4,14

#### Technical data

Energy efficiency class, heat pump W35	A++	A++
Energy efficiency class, W55 heat pump	A+	A++
Energy efficiency class, composite system (heat pump + controller) W35	A++	A+++
Energy efficiency class, composite system (heat pump + controller) W55	A++	A++
SCOP (EN 14825)	3,84	4,39
Cooling capacity at A35/W7 max.		
Cooling capacity factor at A35/W7 max.		
Cooling capacity at A35/W7 partial load		
Cooling capacity factor at A35/W7 partial load		
Sound power level (EN 12102)	50 dB(A)	54 dB(A)
Sound pressure level at 5 m distance in a free field	28 dB(A)	32 dB(A)
Rated compressor voltage	230 V	230 V
Rated voltage, emergency/booster heater	230 V	230 V
Max. application limit on the heating side	65 °C	65 °C
Height	900 mm	1045 mm
Width	1270 mm	1490 mm
Depth	593 mm	593 mm

Weight

160 kg

175 kg

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**Contact information**

You have questions? We appreciate to help you:

Call **+49 5531 - 7020**

Write an email to **[info@stiebel-eltron.com](mailto:info@stiebel-eltron.com)**

**Installation information**

Please ask your local power supply utility or a registered electrician to install appliances that are not fully wired, i.e. ready to plug in. The electrician should also be able to assist you with obtaining the agreement of the respective power supply utility required for the appliance installation.