

# WPL 18 cool

AIR-WATER HEAT PUMPS

PRODUCT-NO.: 223401

The new WPL cool heat pump offers you every convenience in modern room conditioning. Under its clean external lines, this heat pump hides innovative technology that can heat and cool. An electronic expansion valve ensures the optimum control of all processes. Its unique control technology allows it to adjust itself to both operating modes. This optimises efficiency, both in the heating and the cooling operation. As a future-proof investment, the modern heat pump system contributes substantially to an increase in comfort and property value. Like the WPL, the WPL cool is available for internal or external installation, making it an ideal choice for modernisation projects.



## The main features

Air-water heat pumps

Heating and cooling operation

Application at outside temperatures from +40 °C to -20 °C

Ideally suited to modernisation

Extremely quiet operation

High output and excellent COP even at low outside temperatures

Electronic expansion valve

Energy-efficient defrosting

Heating flow temperature up to + 60 °C

Integral electric booster heater

Efficient defrosting

Refrigerant circuit heating of the defrost pan



Type	WPL 13 cool	WPL 18 cool	WPL 23 cool
Part no.	223400	223401	223402
Output at A2/W35 (EN 14511)	8,10 kW	11,30 kW	14,14 kW
Output at A-7/W35 (EN 14511)	6,60 kW	9,72 kW	12,27 kW
Coefficient of performance at A-7/W35 (EN 14511)	3,00	3,20	2,91
Coefficient of performance at A2/W35 (EN 14511)	3,40	3,70	3,23

## 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)	3,75	4,075	3,475
Refrigerating capacity at A35/W7	6,70 kW	9,20 kW	12,50 kW
Cooling factor at A35/W7	2,40	2,40	2,10
Refrigerating capacity at A35/W20	9,7 kW	13,5 kW	15,8 kW
Cooling factor at A35/W20	2,9	3	2,5
Sound power level outdoor installation (EN 12102)	62 dB(A)	65 dB(A)	65 dB(A)
Sound pressure level at 5 m distance in a free field	39 dB(A)	39 dB(A)	39 dB(A)
Sound power level indoor installation (EN 12102)	56 dB(A)	57 dB(A)	58 dB(A)
Rated compressor voltage	400 V	400 V	400 V
Rated voltage, emergency/booster heater	400 V	400 V	400 V
Height	1116 mm	1116 mm	1116 mm
Width	784 mm	784 mm	784 mm
Depth	1182 mm	1182 mm	1182 mm

Weight

210 kg

214 kg

220 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.