

WPL 20 basic

AIR | WATER HEAT PUMPS

PRODUCT-NO.: 230386

Air | water heat pump for outdoor and indoor installation. With axial fan. Corrosion-resistant metal casing made from galvanised, powder-coated and stove-enamelled sheet steel. The casing parts are stove-enamelled in Alpine White and insulated to reduce noise. The refrigerant circuit is hermetically sealed, tested for leaks at the factory and filled with safety refrigerant R407C. Twin flexible coupling for the compressor for reduced sound power level. Generously sized evaporator for greater efficiency. The wide fin spacing enables low air resistance for noise reduction and improved defrosting. Heating connection in the appliance; anti-vibration separation by connection with flexible pressure hoses (accessory). The 4/2-way valve enables defrosting by reversing the circuit. Biflow-capable electronic expansion valve with a separate control unit and switching via the internal heat pump control unit (IWS) for optimised overheating protection and therefore a higher COP. Time and energy efficient defrosting by reversing the circuit. The condensate pan is heated by the refrigerant circuit to enable efficient defrosting. With integral heat and electricity metering via refrigerant circuit data. Including all safety equipment. WPM 3 heat pump manager (accessory) required to provide control.



The main features

Ideally suited to new build

Electronic expansion valve

Heating flow temperature up to 60 °C, from -5 °C outside temperature

Heating flow temperature up to 45°C at -18 °C outside temperature

Time and energy-efficient circulation reversal for defrosting

Refrigerant circuit heating of the defrost pan

Optional cascade

With integrated heat and electricity meters



Type	WPL 18 S basic	WPL 13 S	WPL 13 basic
Part no.	230388	230387	230385
Output at A2/W35 (EN 14511)	11,6 kW	9,07 kW	8,5 kW
Output at A-7/W35 (EN 14511)	8,89 kW	6,69 kW	6,39 kW
Coefficient of performance at A2/W35 (EN 14511)	3,39	3,66	3,62
Coefficient of performance at A-7/W35 (EN 14511)	2,26	2,86	2,92

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+
Sound power level outdoor installation (EN 12102)	71 dB(A)	70 dB(A)	68 dB(A)
Sound pressure level at 5 m distance in a free field	49 dB(A)	48 dB(A)	46 dB(A)
Sound power level indoor installation (EN 12102)	58 dB(A)	56 dB(A)	56 dB(A)
Rated compressor voltage	230 V	230 V	400 V
Rated voltage, emergency/booster heater	230 V	230 V	400 V
Rated control voltage	230 V	230 V	230 V
Height	1116 mm	1116 mm	1116 mm
Width	784 mm	784 mm	784 mm
Depth	1182 mm	1182 mm	1182 mm
Weight	220 kg	205 kg	205 kg



Type	WPL 20 basic
Part no.	230386
Output at A2/W35 (EN 14511)	12,9 kW
Output at A-7/W35 (EN 14511)	10,43 kW
Coefficient of performance at A2/W35 (EN 14511)	3,36
Coefficient of performance at A-7/W35 (EN 14511)	2,82

Technical data

Energy efficiency class, heat pump W35	A+
Energy efficiency class, W55 heat pump	A+
Energy efficiency class, composite system (heat pump + controller) W35	A+
Energy efficiency class, composite system (heat pump + controller) W55	A+
Sound power level outdoor installation (EN 12102)	70 dB(A)
Sound pressure level at 5 m distance in a free field	48 dB(A)
Sound power level indoor installation (EN 12102)	58 dB(A)
Rated compressor voltage	400 V
Rated voltage, emergency/booster heater	400 V
Rated control voltage	230 V
Height	1116 mm
Width	784 mm
Depth	1182 mm
Weight	220 kg

Contact information

You have questions? We appreciate to help you:

Call **+49 5531 - 7020**

Write an email to **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.