

WPW 18 basic Set

WATER | WATER HEAT PUMPS

PRODUCT-NO.: 230918

The heat pump WPF basic with the GWS module draws its heating energy from the latent energy stored in groundwater. Through an appropriately sized on-site well, the heat pump WPF basic exploits a practically never-ending energy source. After all, in our region, there is no shortage of groundwater. Two well boreholes are sufficient to be able to utilise the energy in groundwater. In many cases that is more favourable than drilling for geothermal probes for a brine water heat pump. One benefit: All year round, groundwater has a relatively constant temperature, enabling the heat pump to operate with a consistently high COP. The high grade equipment inside the GWS module, such as the plate heat exchanger made from corrosion-resistant stainless steel, ensures a long service life and safe operation. The GWS module can be combined with almost all brine water heat pumps.



The main features

16.37 kW heating output at W10/W35

COP at W10/W35: 5.87

For the use of groundwater as a heat source

Extremely quiet operation

High operational reliability

High COP through the utilisation of the heat source temperature offered by groundwater

Integral heat pump manager

Heating flow temperature up to + 60 °C



Type	WPW 7 basic Set	WPW 10 basic Set	WPW 13 basic Set
Part no.	230915	230916	230917
Output at W10/W35 (EN 14511)	7,62 kW	9,82 kW	12,44 kW
Coefficient of performance at W10/W35 (EN 14511)	5,6	5,85	5,76

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+
Max. application limit on the heating side	65 °C	65 °C	65 °C
Flow rate WP/GWS (30 % ethylene glycol)	1,8 m ³ /h	2,5 m ³ /h	3,2 m ³ /h
Flow rate GWS	1,7 m ³ /h	2,3 m ³ /h	2,9 m ³ /h
Pressure drop WP/GWS (30 % ethylene glycol)	134 hPa	240 hPa	355 hPa
Pressure drop GWS	107 hPa	205 hPa	314 hPa
Sound power level (EN 12102)	46 dB(A)	47 dB(A)	51 dB(A)
Sound pressure level at a distance of 1 m	35 dB(A)	36 dB(A)	40 dB(A)
Height	960 mm	960 mm	960 mm
Width	510 mm	510 mm	510 mm
Depth	680 mm	680 mm	680 mm
Weight	107,5 kg	113,5 kg	120,5 kg



Type	WPW 18 basic Set	WPW 22 basic Set
Part no.	230918	230919
Output at W10/W35 (EN 14511)	16,37 kW	20,88 kW
Coefficient of performance at W10/W35 (EN 14511)	5,87	5,14

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+
Max. application limit on the heating side	65 °C	65 °C
Flow rate WP/GWS (30 % ethylene glycol)	4,4 m ³ /h	5,3 m ³ /h
Flow rate GWS	4 m ³ /h	4,9 m ³ /h
Pressure drop WP/GWS (30 % ethylene glycol)	254 hPa	363 hPa
Pressure drop GWS	205 hPa	303 hPa
Sound power level (EN 12102)	53 dB(A)	53 dB(A)
Sound pressure level at a distance of 1 m	42 dB(A)	42 dB(A)
Height	960 mm	960 mm
Width	510 mm	510 mm
Depth	680 mm	680 mm
Weight	128,5 kg	131 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.