

# WPW 13 Set

WATER | WATER HEAT PUMPS

PRODUCT-NO.: 232951

The WPF heat pump with the GWS module draws its heating energy from the latent heat in groundwater. With an appropriately sized on-site well, the WPF heat pump exploits a practically never-ending source of energy. 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 required for brine | water heat pumps. 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 of the GWS module, with its plate heat exchanger made from corrosion-resistant stainless steel, ensures a long service life and enhances the operational reliability of the heat pump. For suspended matter and contamination stand no chance of ever reaching the heat pump. The GWS module can be combined with almost all brine | water heat pumps.



## The main features

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13.25 kW heating output at B0/W35

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COP at W10/W35: 6.67

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For the use of groundwater as a heat source

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Heating flow temperature up to + 60 °C

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High operational reliability

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

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Integral heat pump control unit

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Extremely quiet operation



Type	WPW 06 Set	WPW 07 Set	WPW 10 Set
Part no.	232948	232949	232950
Output at W10/W35 (EN 14511)	5,99 kW	7,26 kW	9,60 kW
Coefficient of performance at W10/W35 (EN 14511)	5,76	5,90	6,11

#### 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)	1,4 m <sup>3</sup> /h	1,8 m <sup>3</sup> /h	2,5 m <sup>3</sup> /h
Pressure drop WP/GWS (30 % ethylene glycol)	98 hPa	134 hPa	240 hPa
Flow rate GWS	1,4 m <sup>3</sup> /h	1,7 m <sup>3</sup> /h	2,3 m <sup>3</sup> /h
Pressure drop GWS	76 hPa	107 hPa	205 hPa
Sound power level (EN 12102)	43 dB(A)	43 dB(A)	44 dB(A)
Sound pressure level at a distance of 1 m	32 dB(A)	32 dB(A)	33 dB(A)
Height	1319 mm	1319 mm	1319 mm
Width	598 mm	598 mm	598 mm
Depth	658 mm	658 mm	658 mm
Weight	150 kg	152 kg	157 kg



Type	WPW 13 Set	WPW 18 Set	WPW 22 Set
Part no.	232951	232952	232953
Output at W10/W35 (EN 14511)	13,25 kW	16,82 kW	21,48 kW
Coefficient of performance at W10/W35 (EN 14511)	6,67	6,16	5,67

**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)	3,8 m <sup>3</sup> /h	4,6 m <sup>3</sup> /h	5,8 m <sup>3</sup> /h
Pressure drop WP/GWS (30 % ethylene glycol)	465 hPa	268 hPa	436 hPa
Flow rate GWS	3,4 m <sup>3</sup> /h	4,2 m <sup>3</sup> /h	5,4 m <sup>3</sup> /h
Pressure drop GWS	426 hPa	221 hPa	365 hPa
Sound power level (EN 12102)	48 dB(A)	50 dB(A)	53 dB(A)
Sound pressure level at a distance of 1 m	37 dB(A)	39 dB(A)	42 dB(A)
Height	1319 mm	1319 mm	1319 mm
Width	598 mm	598 mm	598 mm
Depth	658 mm	658 mm	658 mm
Weight	169 kg	171 kg	181 kg

**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.