

WPW 7-22 basic Set

Neat energy.

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.



Example: WPF basic

The most important features

- Extremely quiet operation
- High operational reliability
- High COP through the utilisation of the heat source temperature offered by groundwater
- Five output levels
- Integral heat pump manager
- Heating flow temperature up to + 60 °C



Type	WPW 7 basic Set	WPW 10 basic Set	WPW 13 basic Set
Type	WPW 7 basic Set	WPW 10 basic Set	WPW 13 basic Set
Part no.	230915	230916	230917
Output at W10/W35 (EN 14511)	7,20 kW	10 kW	12,50 kW
Height	960 mm	960 mm	960 mm
Width	510 mm	510 mm	510 mm
Depth	680 mm	680 mm	680 mm
Specification			
Weight	107,50 kg	113,50 kg	120,50 kg
Starting current	25,25 A	30 A	28 A
Power consumption at W10/W35 (EN 14511)	1,30 kW	1,80 kW	2,30 kW
Output at W10/W35 (EN 14511)	7,20 kW	10 kW	12,50 kW
Coefficient of performance at W10/W35 (EN 14511)	5,40	5,60	5,50
Flow rate WP/GWS (30 % ethylene glycol)	1,80 m ³ /h	2,50 m ³ /h	3,20 m ³ /h
Pressure drop WP/GWS (30 % ethylene glycol)	134 hPa	240 hPa	355 hPa
Flow rate GWS	1,70 m ³ /h	2,30 m ³ /h	2,90 m ³ /h
Pressure drop GWS	107 hPa	205 hPa	314 hPa

Example



Type		
Type	WPW 18 basic Set	WPW 22 basic Set
Part no.	230918	230919
Output at W10/W35 (EN 14511)	16,45 kW	20,90 kW
Height	960 mm	960 mm
Width	510 mm	510 mm
Depth	680 mm	680 mm
Specification		
Weight	128,50 kg	131 kg
Starting current	30 A	29 A
Power consumption at W10/W35 (EN 14511)	2,92 kW	3,70 kW
Output at W10/W35 (EN 14511)	16,45 kW	20,90 kW
Coefficient of performance at W10/W35 (EN 14511)	5,64	5,60
Flow rate WP/GWS (30 % ethylene glycol)	4,40 m ³ /h	5,30 m ³ /h
Pressure drop WP/GWS (30 % ethylene glycol)	254 hPa	363 hPa
Flow rate GWS	4 m ³ /h	4,90 m ³ /h
Pressure drop GWS	205 hPa	303 hPa

Example