

WPC 5-13

Close to the earth.

The WPC brine | water heat pump is a fully functioning complete solution for DHW and central heating. The system draws its heating energy from a geothermal probe located in the ground. The WPC already contains a 200 litre cylinder underneath its noise-insulated external skin. All safety and control components for a fully automatic operation are already integrated into the design. The heat pump requires minimum effort to install, even in very tight spaces.

The most important features

Compact solution through integral DHW cylinder

Extremely quiet operation

Easy to install and operate

Heating flow temperature up to + 60 °C

Increased efficiency through integral HE circulation pumps

May be combined with the LWM 250 ventilation module



Example: WPC/WPC..cool



Type	WPC 13	WPC 5 S GB	WPC 7 S GB
Type	WPC 13	WPC 5 S GB	WPC 7 S GB
Part no.	220254	230431	230432
Output at B0/W35 (EN 14511)	12,83 kW	5,80 kW	7,70 kW
Height	2100 mm	2100 mm	2100 mm
Width	600 mm	600 mm	600 mm
Depth	650 mm	650 mm	650 mm
Specification			
Weight	305 kg	275 kg	285 kg
Rated capacity	162 l	175 l	175 l
Starting current	30 A	29 A	32 A
Heating water temperature spread	5 K	5 K	5 K
Coefficient of performance at B0/W35 (EN 14511)	4,35	4,30	4,40
Flow rate, heating side	1,20 m ³ /h	1 m ³ /h	1,40 m ³ /h
Flow rate, heat source side	3,10 m ³ /h	1,60 m ³ /h	2,00 m ³ /h
Output at B0/W35 (EN 14511)	12,83 kW	5,80 kW	7,70 kW
Power connection	3/N/PE	22 mm plug-in connection	22 mm plug-in connection
Available external pressure differential; heat source	449 hPa	1/N/PE	1/N/PE
Available external pressure differential, heating system	167 hPa	420 hPa	360 hPa
Surface, indirect coil	3,60 m ²	515 hPa	451 hPa
Heating flow/return plug-in connection	22 mm	2,10 m ²	2,10 m ²
Heat source flow/return plug-in connection	28 mm		
DHW flow/return plug-in connection	22 mm		

Heat source flow/return plug-in connection up to 40 °C permissible

Example



Type	
Type	WPC 10 S GB
Part no.	230433
Output at B0/W35 (EN 14511)	9,90 kW
Height	2100 mm
Width	600 mm
Depth	650 mm

Specification	
Weight	295 kg
Rated capacity	162 l
Starting current	41 A
Heating water temperature spread	5 K
Coefficient of performance at B0/W35 (EN 14511)	4,50
Flow rate, heating side	1,80 m ³ /h
Flow rate, heat source side	2,20 m ³ /h
Output at B0/W35 (EN 14511)	9,90 kW
Connections for the heating and source side	22 mm plug-in connection
Power connection	1/N/PE
Available external pressure differential; heat source	310 hPa
Available external pressure differential, heating system	365 hPa
Surface, indirect coil	3,60 m ²

Short term (max. 30 min) HS temperature up to 40 °C permissible.

Example

WPC 13

Analog remote control units

Part no.	Type	Height	Width	Depth
185579	FE 7	80 mm	80 mm	30 mm

Additional sensor for the heat pump system

Part no.	Type	Length
165341	AVF 6 contact sensor	1 m