

Gebwell Qi Ground source heat pump

- Cost-effectiveness for single family houses

A new generation heat pump designed to warm up your home and domestic hot water in a profitable and energy-efficient manner.

Energy efficiency is ensured by precise dimensioning of the heat pump, high quality of device and successful adjustment. Qi pumps are equipped with the latest scroll compressors. Dimensioning of condenser and evaporator is made to achieve the best energy efficiency possible.

Comfort is assured by well insulated compressor unit. The compressor unit is very silent and easy to remove, for example during the pump installation.

The automation of Qi ground source heat pump enables heating of the property in a dynamically

condensing manner. This means that the ground source heat pump always produces water of suitable temperature to the heating circuit.

Heat well collecting loop can also be used to cool the apartment. There is an in-built readiness for connecting cooling in Qi ground source heat pump. For generating the cooling energy only an additional circulation water pump is required.

- Manufactured in Finland
- Energy efficient, high COP
- Extremely low sound level
- Compressor unit easily removable



Gebwell Qi		Qi 6	Qi 8	Qi 10	Qi 13
GTIN		6415853619400	6415853619417	6415853619684	6415853619981
Power values:					
Heating output (0°/35° and 0°/55°)	kW	5.3 / 4.9	7.4 / 6.8	9.4 / 8.5	13.3 / 12.2
Cooling capacity (0°/35° and 0°/55°)	kW	4.2 / 3.2	5.8 / 4.4	7.4 / 5.6	10.5 / 8.1
Input power (0°/35° and 0°/55°)	kW	1.1 / 1.7	1.6 / 2.4	2.0 / 2.9	2.8 / 4.1
COP (0°/35° and 0°/55°)	kW	4.8 / 2.9	4.6 / 2.8	4.7 / 2.9	4.8 / 3.0
- Power values stated at temperatures 0°/35° and 0°/55° SFS-EN 14511					
System's energy efficiency class, intermediate climate, underfloor heating		A+++			
Heat collecting liquid		Denaturated ethanol 25-30 p-%			
Heat collecting liquid nominal flow	l/s	0.3	0.41	0.5	0.6
Maximum allowed external pressure loss at the heat collecting loop nominal flow	kPa	61	48	90	74
Heating system / Heat collecting loop maximum operating pressure (consider network pressure)	bar	4 / 4			
Domestic water accumulator maximum operating pressure	bar	10			
Heating water maximum output temperature	°C	65			
Operational temperature, collecting loop	°C	-5... +20			
Compressor		Scroll			
Compressor soft starter		yes			
Built-in heating pump		yes, with frequency converter			
Built-in source pump		yes, with frequency converter			
Electrical connection through a plug		yes, 400 VAC, 50 Hz, 3-phase			
Contains fluorinated greenhouse gases		yes			
Hermetically sealed		yes			
Refrigerant		R407C			
GWP (Global Warming Potential)		1774			
Refrigerant amount	kg	1.8	1.8	1.8	2.2
CO ₂ equivalence - tonnes CO ₂ e		3.193	3.193	3.193	3.903
Additional electric resistor can be connected	kW	3 / 6 / 9			
Recommended fuse size:					
Additional electric resistor 3kW	A	3x16	3x16	3x16	3x16
Additional electric resistor 6kW	A	3x16	3x16	3x20	3x20
Additional electric resistor 9kW	A	3x20	3x25	3x25	3x25
Connections:					
Heating pipe	mm	22	22	22	28
Heat collecting loop	mm	28	28	28	28
Domestic water	mm	22	22	22	22
Sound power level	dB	38.5	38.5	40	40
Dimensions:					
Outside dimensions (depth x width x height)	mm	680 x 600 x 1895			
Weight	kg	240	240	240	250
Hot water accumulator (domestic water / heating)	l	185 / 7			