

# TERMO+

## Heat pumps

GEOHERMAL  
water / water, ground / water

Unparalleled energy efficiency for homes and small businesses.

2019 WINNER  
**DESIGN PLUS**  
powered by: ISH





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**DESIGN PLUS**  
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# Why choose TermoPlus®



TermoPlus® focuses on overall installation performance, not just the performance of individual components.



One of the longest lasting heat pump brands on the market with units built in 1992 still operational and a 99,5% reliability score among heat pump owners.



Every single heat pump unit is individually and thoroughly tested before installation.



R&D labs, production facilities and quality control are all based under one roof within the EU with more than 60 heat pump experts and the experience of more than 60.000 heat pumps manufactured to date.



In-house customer support with a guaranteed 24 hour response time. \*



Optional extended warranty available for up to 6 years. \*\*



Tailored support is always available for custom systems.

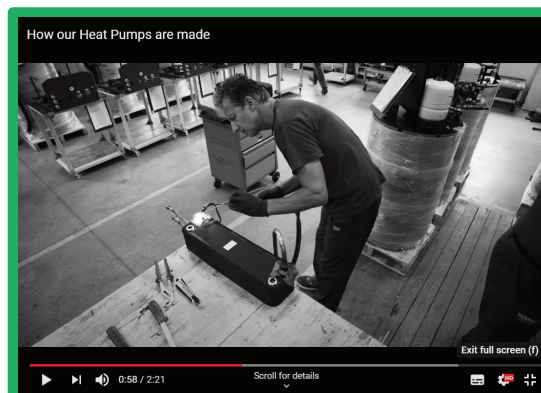


Assistance available for obtaining eco funding through national and other EU schemes. \*\*\*

\* For maintenance contracts.

\*\* In addition to a 3 year guarantee, we also offer an exclusive 3 year warranty!

\*\*\* Limited availability in selected markets.



## See how our heat pumps are made

Use the link below or scan the QR code on the left to see the video.  
<https://go.termo-plus.com/hd1x>

# TermoPlus® Geothermal/ground source heat pumps

Produce roughly 5 units of thermal energy using 1 unit of electric energy



## Incredible efficiency and savings

With a heaterless design there is no power requirement for an electric heater. You will enjoy the same comfort without a heating element which would use more energy.

The TermoPlus® GEOpump with energy efficient inverter technology delivers significant efficiency and unmatched real savings.

## Optimized performance

Performance is boosted through the use of a highly efficient Copeland scroll compressor, supported by a high-end touch screen controller. Switching between water and space heating is automatic and adequate capacity is ensured so that a storage tank is not required.

## Quiet and unobtrusive

The compact heat pumps are incredibly silent with sound-insulated housing and a double-dampened compressor. Also, the cooling system is elastically mounted using dual anti-vibration mounting which dramatically decreases the system's oscillation and noise.

## Long lasting and easy to maintain

Maintenance is easy to perform since all components are easily accessible. TermoPlus® geothermal heat pumps feature complete anticorrosion protection through the use of a top-quality stainless steel brazed plate heat exchangers.

## Flexible and compatible

The system is suitable for floor, radiator and fan coil heating in new buildings or as a renovation of existing heating systems.



## All year use

TermoPlus® is one of the very few heat pump manufacturers that integrates an Active Cooling feature into the heat pump. Also known as a reversible heat pump, it allows you to reverse the system during summer to pump heat out of the building and into the ground. This results in better output and efficiency during prolonged periods of extreme temperatures.

## Function-packed but easy to use

Control and functions are managed easily through an integrated electronic regulation controller. Web control\* is optionally available via app. (\*under development)

## Reliable, durable and environmentally friendly

You can count on exceptional reliability, since we only use grade A components from top European manufacturers and all our products are 100% tested through extensive quality control at our simulation lab. Environmentally friendly R452B refrigerant is used\*\*.

\*\*GEOpump series

The units can also work in conjunction with an external heat source such as a biomass system, a boiler or a woodstove and take up very little space.

## Guaranteed to last

TermoPlus®'s very first heat pump built in 1984 is still fully operational. The minimum life expectancy of all models is 25 years and they are covered by a 3+3 year warranty. This means that with a quick check-up every year you are guaranteed 6 years of absolute peace of mind. We'll support our products for their entire lifetime and guarantee spare part availability.

# Ranges

## TERRApump

Terrapump is our **ground-source** geothermal heat pump range with an output of 7kW up to 43kW. We also produce an industrial series reaching up to 1000kW.

## AQUApump

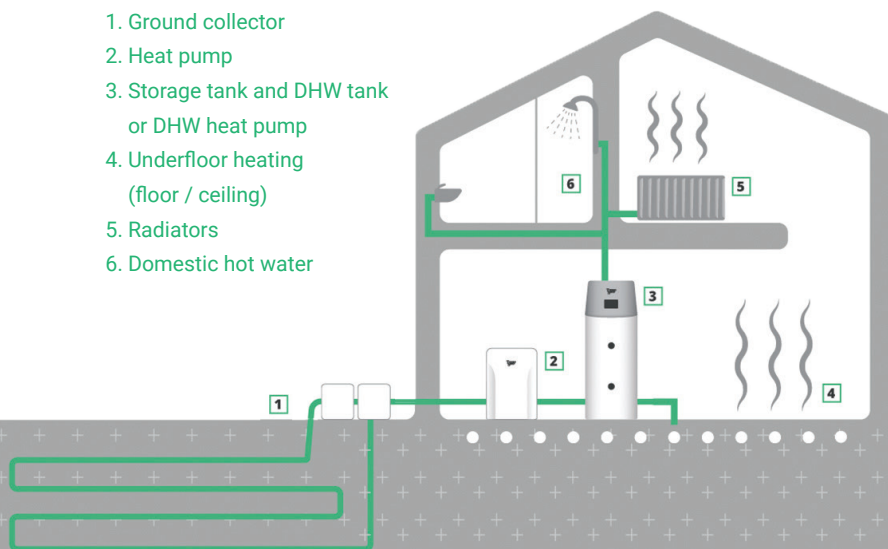
Aquapump is our **water-source** geothermal heat pump range with an output of 7kW up to 57kW. We also produce an industrial series reaching up to 1000kW.

## GEOpump

Geopump is our high-efficiency inverter heat pump, usable **with either water or the ground as a heat source**. With a heating capacity from 2kW to 25kW we can cover almost any residential need.

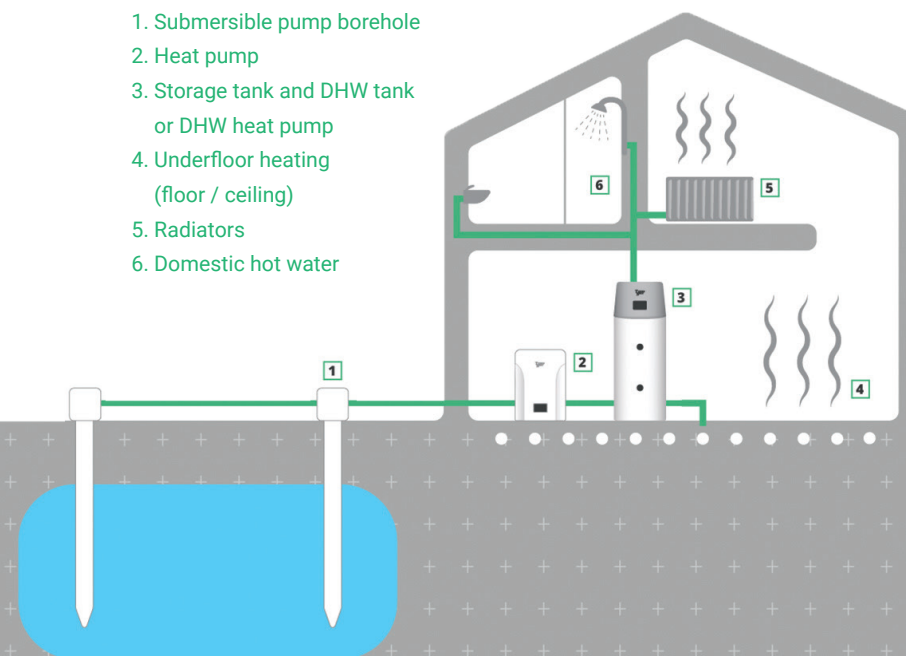
### TERRApump

1. Ground collector
2. Heat pump
3. Storage tank and DHW tank or DHW heat pump
4. Underfloor heating (floor / ceiling)
5. Radiators
6. Domestic hot water



### AQUApump

1. Submersible pump borehole
2. Heat pump
3. Storage tank and DHW tank or DHW heat pump
4. Underfloor heating (floor / ceiling)
5. Radiators
6. Domestic hot water



# TERRApump series

Model & range	Energy Class W35/W55	Heating power B0/W35 (kW)	Input power B0/W35 (kW)	COP B0/W35	Heating power B0/W50 (kW)	Input power B0/W50 (kW)	COP B0/W50	Cooling Power W25/W7 (kW)	Recommended fuse
TERRApump W6	A++	7,18	1,74	4,13	6,74	2,35	2,87		3x16
TERRApump W6 R	A++	7,18	1,74	4,13	6,74	2,35	2,87	8,27	3x16
TERRApump W8	A++	9,13	2,18	4,18	8,45	2,93	2,89		3x16
TERRApump W8 R	A++	9,13	2,18	4,18	8,45	2,93	2,89	10,40	3x16
TERRApump W10	A++	10,50	2,54	4,12	9,80	3,44	2,85		3x16
TERRApump W10 R	A++	10,50	2,54	4,12	9,80	3,44	2,85	12,05	3x16
TERRApump W12	A++	12,90	3,08	4,19	12,10	4,13	2,93		3x16
TERRApump W12 R	A++	12,90	3,08	4,19	12,10	4,13	2,93	14,65	3x16
TERRApump W16	A++	15,45	3,66	4,22	14,45	4,86	2,97		3x16
TERRApump W16 R	A++	15,45	3,66	4,22	14,45	4,86	2,97	17,55	3x16
TERRApump W18	A++	19,35	4,93	3,93	18,05	6,21	2,90		3x25
TERRApump W18 R	A++	19,35	4,93	3,93	18,05	6,21	2,90	21,80	3x25
TERRApump W25	A++	26,90	6,48	4,15	24,90	8,33	2,99		3x32
TERRApump W25 R	A++	26,90	6,48	4,15	24,90	8,33	2,99	30,30	3x32
TERRApump W32	A++	34,20	8,08	4,23	31,60	10,30	3,07		3x32
TERRApump W32 R	A++	34,20	8,08	4,23	31,60	10,30	3,07	38,50	3x32
TERRApump W40	A++	41,20	9,70	4,24	38,20	12,45	3,07		3x40
TERRApump W40 R	A++	41,20	9,70	4,24	38,20	12,45	3,07	46,40	3x40



# AQUApump series

Model & range	Energy Class W35/W55	Heating power W10/W35 (kW)	Input power W10/W35 (kW)	COP W10/W35	Heating power W10/W35 (kW)	Input power W10/W50 (kW)	COP W10/W50	Cooling power W25/W7 (kW)	Recommended fuse
AQUApump W6	A++	7.15	1.31	5.44	6.56	1.77	3.70		3x16
AQUApump W6 R	A++	7.15	1.31	5.44	6.56	1.77	3.70	5.79	3x16
AQUApump W8	A++	10.10	1.86	5.42	9.20	2.49	3.69		3x16
AQUApump W8 R	A++	10.10	1.86	5.42	9.20	2.49	3.69	8.27	3x16
AQUApump W10	A++	12.70	2.32	5.47	11.55	3.10	3.72		3x16
AQUApump W10 R	A++	12.70	2.32	5.47	11.55	3.10	3.72	10.40	3x16
AQUApump W12	A++	14.70	2.68	5.50	13.40	3.61	3.71		3x16
AQUApump W12 R	A++	14.70	2.68	5.50	13.40	3.61	3.71	12.05	3x16
AQUApump W16	A++	18.00	3.29	5.48	16.50	4.37	3.78		3x16
AQUApump W16 R	A++	18.00	3.29	5.48	16.50	4.37	3.78	14.65	3x16
AQUApump W18	A++	21.50	3.89	5.53	19.80	5.21	3.81		3x16
AQUApump W18 R	A++	21.50	3.89	5.53	19.80	5.21	3.81	17.55	3x16
AQUApump W25	A++	26.90	5.32	5.06	24.50	6.70	3.66		3x25
AQUApump W25 R	A++	26.90	5.32	5.06	24.50	6.70	3.66	21.80	3x25
AQUApump W32	A++	37.40	6.85	5.46	34.00	8.96	3.79		3x32
AQUApump W32 R	A++	37.40	6.85	5.46	34.00	8.96	3.79	30.30	3x32
AQUApump W40	A++	47.50	8.83	5.37	43.30	11.35	3.82		3x32
AQUApump W40 R	A++	47.50	8.83	5.37	43.30	11.35	3.82	38.50	3x32
AQUApump W50	A++	57.30	10.70	5.35	52.20	13.55	3.85		3x40
AQUApump W50 R	A++	57.30	10.70	5.35	52.20	13.55	3.85	46.40	3x40



# GEOpump inverter heat pump advantages

## Environmentally friendly refrigerant

TermoPlus® is gradually introducing devices that use more environmentally friendly refrigerants. Compared to the existing R407C refrigerant, R452B retains only 40% of the Global-Warming Potetial (GWP). The chemical and physical properties of R452B refrigerant means it requires less charge (up to 20% less) and it offers better heating performance at lower ambient temperatures.

## Inverter-driven compressor

Inverter scroll compressors ensure variable heating power from 15% to 120% of a heat pump's capacity. As a result, a buffer tank is not required – saving space and money.

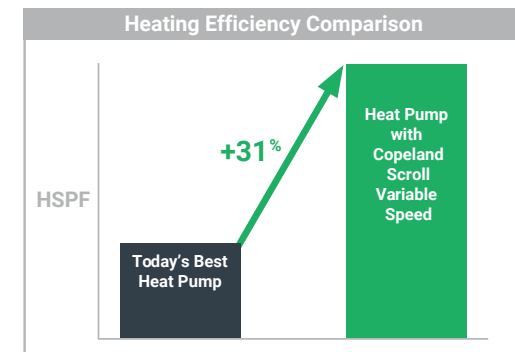
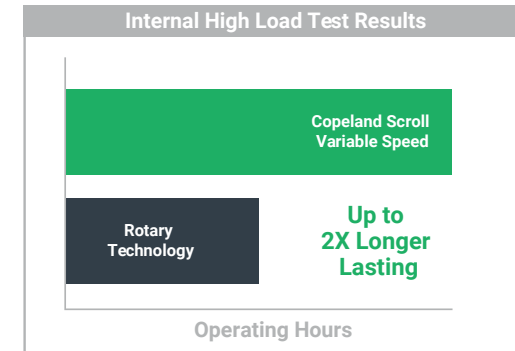
## Proven reliability

Variable-speed Copeland Scroll compressors are the pinnacle of reliability due to enhancements such as:

- Active protection algorithms provided by the motor control drive.
- Robust scroll design with an outstanding reliability record over competing compression technology.
- Proven in-field performance with over 25 years of scroll experience and more than 100 million installations around the world.

## Superior efficiency

Designed and engineered to deliver maximum cooling and heating efficiency when you need it most. With Copeland scroll variable speed compressors for residential applications, homeowners are able to save up to 31% on their annual energy costs.



Model & range	Energy class W35	Energy class W55	Heating Power W10/W35 (kW)	Power input W10/W35 (kW)	COP W10/W35	Heating Power B0/W35 (kW)	Power input B0/W35 (kW)	COP B0/W35	Recommended fuse	Power Supply	Refrigerant
<b>GEOpump W8 i</b>	A+++	A++	8,48	1,56	5,43	6,41	1,58	4,06	3x16	3F/400V/50Hz	R452B
<b>GEOpump W12 i</b>	A+++	A++	11,70	2,08	5,62	8,75	2,07	4,22	3x16	3F/400V/50Hz	R452B
<b>GEOpump W18 i</b>	A+++	A++	17,65	3,12	5,66	13,25	3,07	4,31	3x20	3F/400V/50Hz	R452B



## Ranges

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TermoPlus® geothermal heat pumps can utilise the following heat sources: the heat from the earth through a horizontal collector or a vertical borehole heat exchanger, the heat from surface water and groundwater as well as the waste heat harvested from technological and other processes.

### GROUND-SOURCE GEOTHERMAL

Terrapump is our ground-source geothermal heat pump range for residential or small business applications. These heat pumps can be used with either horizontal or vertical designs.

### WATER-SOURCE GEOTHERMAL

Aquapump is our water-source geothermal heat pump range for residential or small business applications. These heat pumps can be used with underground water sources.



## Versions and options

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### R – ACTIVE COOLING

Also known as a reversible heat pump it allows you to reverse the system during summer and pump heat out of the building and into the ground. This results in better output and efficiency during prolonged periods of extreme temperatures. This is the recommended choice for increased efficiency, performance and economy. It is also particularly suited for mild and warmer climates where a lot of cooling is also needed.

### i - INVERTER COMPRESSOR

Termoplus® inverter heat pumps are designed and engineered to deliver maximum heating and cooling efficiency – ensuring maximum savings and durability over time.

### OPTIONS and FEATURE UPGRADES

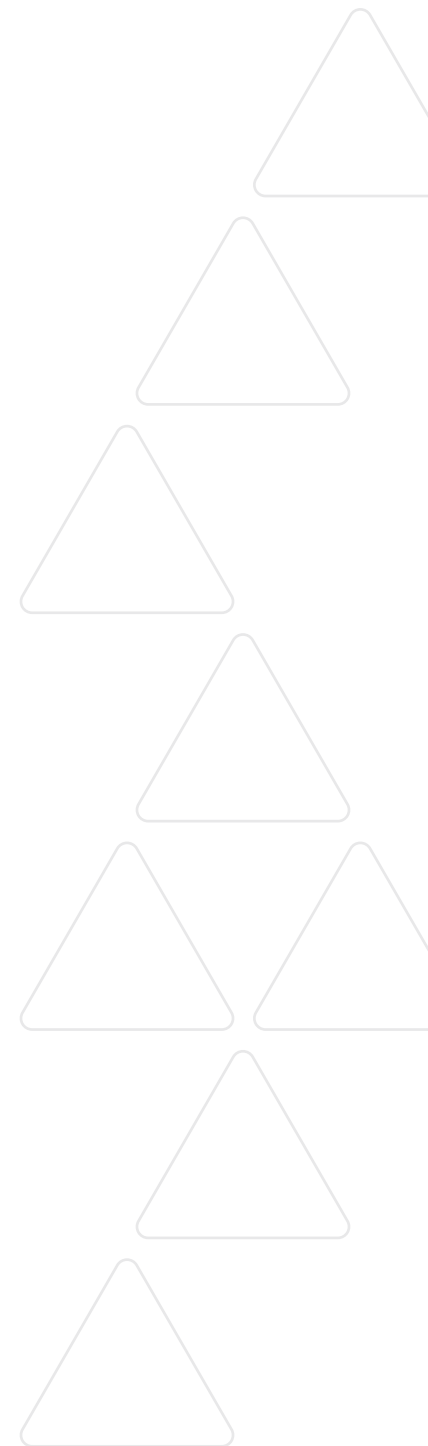
#### Multiple Compressors

Using multiple compressors allows for multistage operation. By switching between various output levels, you can achieve a better balance between output and economy. This is because output can be tailored to meet actual demand.

#### Full web control via app\*

The app allows you to measure the savings you achieve using the heat pump and allows you to control the system as you wish. The system can also automatically receive software updates and allows you and our support engineers to monitor its performance.

\*Currently under development



TermoPlus®  
**TERRApump**



# The TermoPlus® promise to our customers

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TermoPlus® is very different to other heat pump manufacturers as our customers know. Firstly because we are the only heat pump manufacturer that offers customisation – this increases the installation efficiency significantly. Secondly, because our support is the absolute best available.

Here is why:



Our priority is your overall installation performance, not just production quality.



You can always expect tailored support for custom systems.



Our certified installers are actually trained by TermoPlus®.



You can always expect a reply from us directly, within 48 hours at the latest.



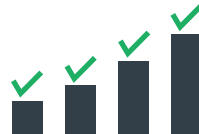
Your TermoPlus® heat pump really is designed to outlive its stated lifetime.



Our installers and partners receive the absolute best support in the industry.



We will always want to hear from you and your opinion will always matter.



We will always keep pushing our high standards even higher.



# TERMO+

Heat pumps



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