TERMO+

## Heat pumps

2019 WINNER
DESIGN PLUS
powered by: ISH

# DHW (domestic hot water)

**The single highest performing energy saving investment a household can make.**



MADE IN EU

5+ WARRANTY
2 + 3 years

Ver. 02-2023


2019 WINNER
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# Why choose TermoPlus®

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:

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

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

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

Our certified installers are actually trained by TermoPlus®.

You can always expect tailored support for custom systems.

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

We will always keep pushing our high standards even higher.

Your TermoPlus® heat pump really is designed to outlive it's stated lifetime.

# TermoPlus® Heat Pump benefits

## INCREDIBLE EFFICIENCY AND SAVINGS

Our unique heaterless design produces hot water up to 62 ˚C without the power requirement for an electric heater.
We do this using a specially developed rotary compressor which ensures low operating costs and a long lifetime.

### QUIET AND UNOBTRUSIVE

An almost silent brushless (EC) fan provides extremely quiet operation with high air flow at 65 % lower power consumption.

### CONSTANT AVAILABILITY

We use an external large-surface condenser that heats water up faster due to its larger heat transfer surface. This can optionally be augmented with an electric heater upgrade in extreme cases such as commercial gym showers with non-stop peak flow.

### FUNCTION-PACKED BUT EASY TO USE

A multi-functional controller provides optimal management with functions like automatic an anti- legionella programme and a weekly timer.

### RELIABLE AND DURABLE

Humidity, dirt and airflow obstructions are now much less of an issue, even at temperatures as low as -5 °C (Pro). TermoPlus® units can operate longer than others in harsher conditions due to their larger evaporator and optimized fin spacing.

### MAXIMUM SAFETY

All units run an automated anti-legionella programme even without an additional electric heater and by design the use of an indirect heating condenser prevents the risk of refrigerant leakage into sanitary hot water.

### COMPATIBLE, ALL-SEASON USE

Many heat pumps can't operate when the temperature falls below 7 °C. Our DHW products overcome this problem by working in conjunction with an existing heating boiler, biomass or woodstove through an additional built-in heat exchanger. This allows them to operate when others can't.

### LONG LASTING AND EASY TO MAINTAIN

Complete anti-corrosion protection is provided through the use of a top quality enamelled water tank with a build-in MG anode.

### OPTIMIZED PERFORMANCE

Performance is boosted in Standard and Pro series models by using thermostatic expansion valves with an internal equalizer instead of less efficient capillary tubes. We also use high quality PU insulation to further reduce heat losses.

### INCREDIBLE EFFICIENCY AND SAVINGS

Installing a domestic hot water heat pump has the highest savings and fastest return than any energy upgrade available to home / building owners. For every 1 kWh of energy consumed the heat pump can produce up to 5 kWh of thermal energy. Our heat pumps typically pay for themselves within 3.5 years or even less if you receive government subsidies or a grant for the system. This outstanding financial performance is due to our unique heaterless design.

## HEATERLESS DESIGN: WHY IS IT SUCH A BIG DEAL?

Most heat pumps on the market rely on an additional electric heater to cope with daily demands, increasing their real power consumption. All our products have a unique heaterless design which produces the same hot water temperatures (up to 62 ˚C) but without a power consuming electric heater. This efficiency results in significant savings over time.

# Options and feature upgrades

## BASIC

COP: 3,4 (EN 255-3)

Our entry-level range, the Basic line offers savings without costing too much. Additional optional features are available.

## STANDARD

COP: 4,55 (EN 255-3)

The Standard line offers 30 % greater efficiency compared to the basic line. Additional optional features are available.

## PRO

COP: 4,5 (EN 255-3)
3,2 (EN 16147)

Our Pro line offers amazing reliability and efficiency, an advanced controller and numerous optional upgrades such as PV input and low temperature (-5 °C) operation.

### GUARANTEED TO LAST

TermoPlus®'s very first heat pump built in 1984 is still fully operational. The minimum life expectancy of all DHW models is 25 years and they are covered by a 2 + 3 year warranty. This means that with a quick check-up every year you are guaranteed 5 years of absolute peace of mind. We'll support our products for their entire lifetime and guarantee spare part availability.

### PV INPUT

Photovoltaic input allows the DHW unit to automatically store excess solar electric power in the form of hot water. This can reduce energy transfer losses and net metering surcharges. Only available for the PRO range.

### AIR

This version enables the cooling of selected spaces through air ducts. These run from the point of the air intake, through the heat pump to the point, where the air is discharged. The overall length of the duct system cannot exceed 10 m.

5+ WARRANTY
2 + 3 years

### LOW TEMPERATURE UPGRADE

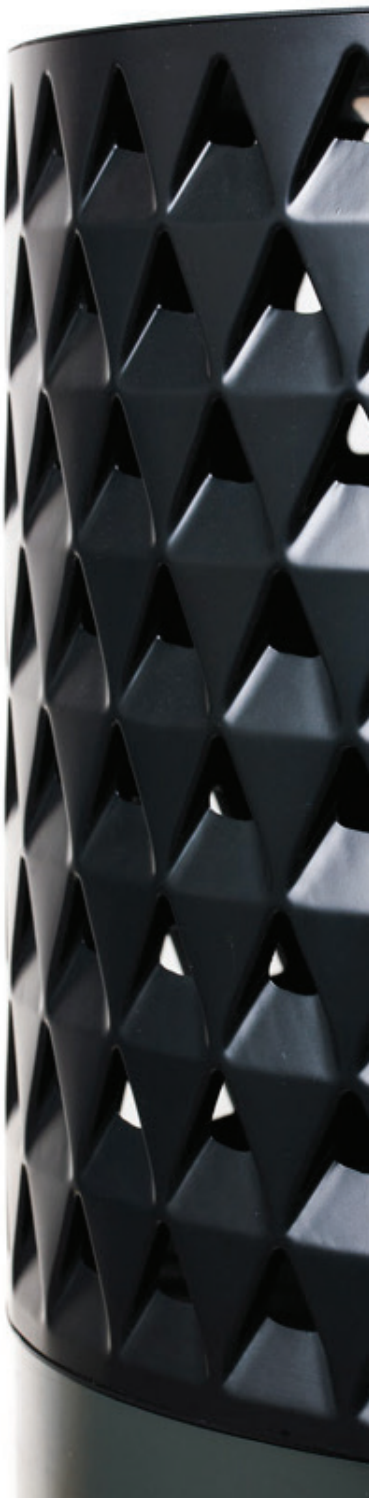
This upgrade allows the unit to operate in an environment with a temperature as low as -5 °C. Only available for the PRO range.

### OPTIONAL ELECTRIC HEATER

This upgrade is unnecessary for most users and allows the use of an electric heater to produce vast quantities of hot water for constant, intense use up to temperatures of 70 °C and where a backup may be needed.

### SIZES

All ranges are available in two sizes: 230 l and 300 l. The 300 l option also allows the use of solar / DHX.



# Models and properties

| Model & range | Volume [l] | Air | Solar / DHX* | PV Input* | Low Temp -5 °C* | Electric Heater* | Energy Class | Heating Power [kW] | Electric power [kW] | Certified COP | Dimensions (H x diam) [mm] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BASIC C2/230 | 230 | | | | | ● | A+ | 2,15 | 0,63 | 3,4 (EN 255-3) | 1550 x 660 |
| BASIC C2/300 | 300 | | ● | | | ● | A+ | 2,15 | 0,63 | 3,4 (EN 255-3) | 1800 x 660 |
| BASIC C2/230 AIR | 230 | ● | | | | ● | A+ | 2,15 | 0,63 | 3,4 (EN 255-3) | 1600 x 660 |
| BASIC C2/300 AIR | 300 | ● | ● | | | ● | A+ | 2,15 | 0,63 | 3,4 (EN 255-3) | 1850 x 660 |
| STANDARD C2/231 | 230 | | | | | ● | A+ | 2,00 | 0,44 | 4,55 (EN 255-3) | 1550 x 660 |
| STANDARD C2/301 | 300 | | ● | | | ● | A+ | 2,00 | 0,44 | 4,55 (EN 255-3) | 1800 x 660 |
| STANDARD C2/231 AIR | 230 | ● | | | | ● | A+ | 2,00 | 0,44 | 4,55 (EN 255-3) | 1600 x 660 |
| STANDARD C2/301 AIR | 300 | ● | ● | | | ● | A+ | 2,00 | 0,44 | 4,55 (EN 255-3) | 1850 x 660 |
| PRO C2/231 | 230 | | | ● | ● | ● | A+ | 2,00 | 0,44 | 4,55 (EN 255-3) / 3,2 (EN 16147) | 1580 x 660 |
| PRO C2/301 | 300 | | ● | ● | ● | ● | A+ | 2,00 | 0,44 | 4,55 (EN 255-3) / 3,2 (EN 16147) | 1850 x 660 |
| PRO C2/231 AIR | 230 | ● | | ● | ● | ● | A+ | 2,00 | 0,44 | 4,55 (EN 255-3) / 3,2 (EN 16147) | 1630 x 660 |
| PRO C2/301 AIR | 300 | ● | ● | ● | ● | ● | A+ | 2,00 | 0,44 | 4,55 (EN 255-3) / 3,2 (EN 16147) | 1900 x 660 |

* Available as an option.


# Download your copy of the Quick Guide to Heat Pumps

**Download our free 22-page introductory guide to heat pumps for home or business owners**

Heat pumps are the highest performing energy saving investment home or business owners can make. Besides heating, heat pumps also offer cooling, ventilation, humidity control, domestic hot water heating (faucets, showers) and have a wide variety of commercial and industrial applications.

**Download this guide to find out:**

- What savings and returns are realistic, with real examples.
- What types of heat pumps are best for each situation.
- Tips for making the most out of a heat pump investment.
- A basic introduction to how heat pumps work.
- What a typical installation process looks like.

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TERMO+
Heat pumps

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