

# Why should we use a heat pump for heating of domestic hot water?

A heat pump is the most environmentally friendly and energy saving method of heating domestic hot water.

... Cost savings in hot water heating are increased by at least four times.

... The most eco-friendly way of heating domestic hot water – CO<sub>2</sub> emissions are reduced by over 62%.

... Really short reimbursement period of the investment (around 5 years) – if we exclude the costs of the water heater, which we need in any case, then the reimbursement period is even shorter.

... In addition to domestic hot water heating, we also get the possibility of cooling smaller spaces, cellars or storage rooms, free of charge.

... The possibility to use the heat pump throughout the entire year and to connect it to any heating boiler, since all heat pumps have an additional built-in tube heat exchanger. The combination with a wood or biomass boiler is particularly popular, because in the summer it is very inefficient to burn wood for hot water heating.

... In comparison to the solar panels, the investment in a heat pump is half as big, warm water is provided throughout the whole year, irrespective of the season, and there are no particular difficulties with the installation and maintenance.

## Why decide for Termo Shop?

Own production,  
installation, technical  
support and assistance

For over 21 years, our company Termo Shop has intensively been working on the development and production of heat pumps for water and space heating, custom design heat pumps and refrigeration devices for the clarification of young wine (must) and cooling of wine. A team of flexible and qualified employees represents the basis of our company, built on knowledge, experience, constant research and development of the leading-edge technology. We sometimes call ourselves a boutique European heat pump factory.

- 1 The main focus of our company is reliability and quality of the products, therefore we have our own laboratory, where developing and testing of new products takes place.
- 2 At the end of the production line all products are 100% tested and controlled. The testing is carried out for the entire lifespan of a heating system.
- 3 We have more than 25 well experienced experts in our company in different fields.
- 4 We are constantly investing our money into knowledge of our people and development of our company.
- 5 We can adopt our offer to your needs and capabilities.
- 6 In the production of heat pumps we only use high-quality components by recognized manufacturers, such as: Danfoss, Electrolux, Luve, Copeland, Swep, Alfa Laval, Honeywell, Ziehl Abegg, Alco, Tecumseh, Grundfoss, Wilo, etc.
- 7 We have assured the possibility to use natural energy resources to over 30.000 users.
- 8 With more than 280.000 kilometers driven thru the whole Europe we save our clients more than 3/4 of their heating costs.

[www.termoshop.com](http://www.termoshop.com)

**TERMO  
SHOP**

**Termo Shop d.o.o**  
Rimska cesta 176  
3311 Šempeter v Savinjski dolini  
Slovenija, EU

**t** +386 3 586 70 43  
**f** +386 3 586 70 44  
**e** [info@termoshop.com](mailto:info@termoshop.com)

**TERMO  
SHOP**  
SINCE 1992.

**TERMO<sup>+</sup>**  
A BRAND OF TERMO SHOP

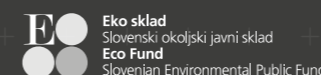
Made in  
**EU**

# SANITARY HOT WATER HEAT PUMPS



## Heating the future

Termo Shop is a leading Slovenian developer and manufacturer of premium-quality, energy-saving heat pump solutions with focus on a high ROI (return of investment), providing low-level energy consumption and benefits to the environment.



It supports environmental investments that are consistent with the National Environmental Action Plan and the environmental policy of the European Union.



Since April 2010, Termo Shop is a proud member of the EHPA.

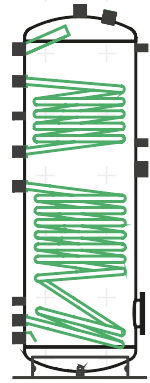


Termo Shop is ISO 9001 certified company - Quality management system for development, production and service of heat pumps.



Excellent SME is a business performance certificate issued in cooperation with the renowned credit rating agency COFACE to the most successful small and medium companies in Slovenia.

# Versions



## SOLAR version double heat exchanger

The version with water heaters with a 230 - liter volume and more can be also delivered as the Solar version with a double heat exchanger in the water heater. They are intended for demanding customers wanting to simultaneously utilise three different ways of heating water - heat pump, a boiler and solar panels.

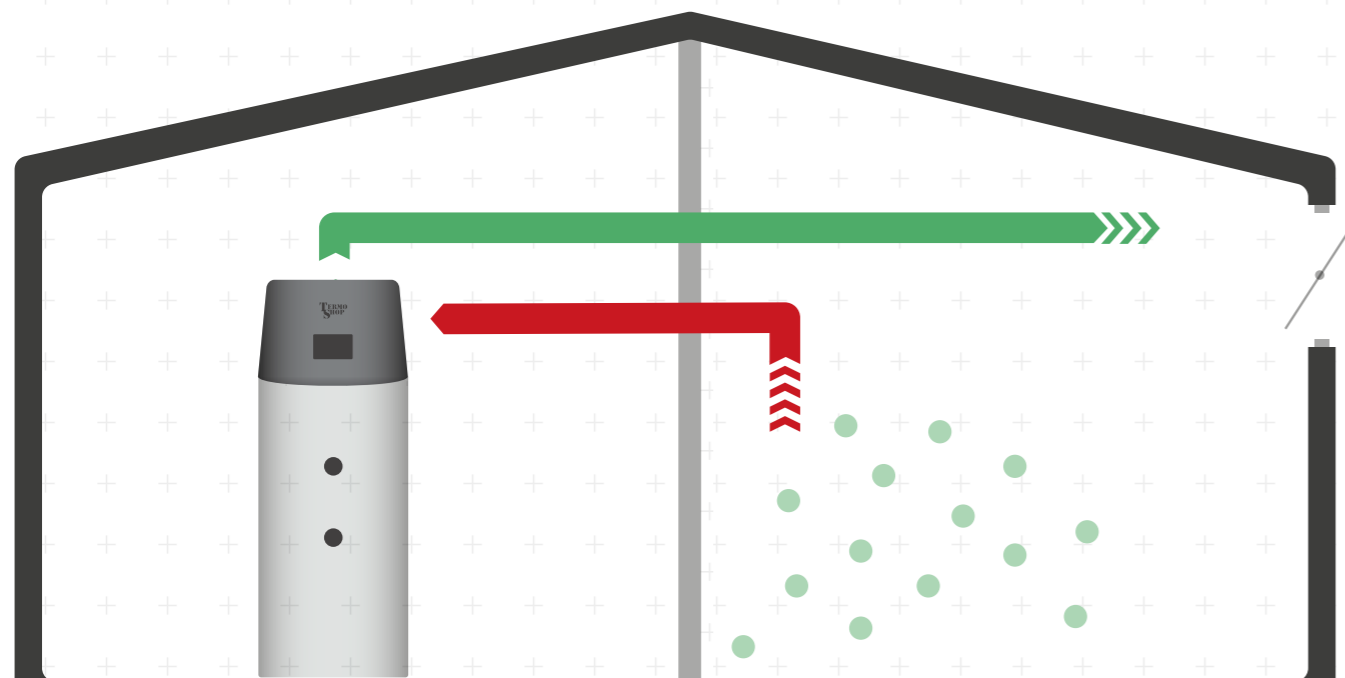
## HE version - a highly efficient version

A heat pump incorporates a highly efficient rotary compressor developed especially for heat pump. Higher efficiency up to 30 %.



## Basic and AIR

This version enables you to ventilate selected rooms. Air ducts are mounted from the air intake point through a heat pump to the outlet point. A total length of ducts should not exceed 10 m.



Type	Energy class	Volume of water tank	Heating power (kW)	Electric power (kW)	(COP)	Measures (H X diameter) (mm)	Version
C2/230 BASIC	A	230 L	2,15	0,63	3,4 (EN 255-3)	1550 x 660	standard
C2/300 BASIC	A	300 L	2,15	0,63	3,4 (EN 255-3)	1800 x 660	standard
C2/230 BASIC AIR	A	230 L	2,15	0,63	3,4 (EN 255-3)	1600 x 660	air duct
C2/300 BASIC AIR	A	300 L	2,15	0,63	3,4 (EN 255-3)	1850 x 660	air duct
C2/231	A	230 L	2,0	0,44	4,55 (EN 255-3)	1550x660	highly efficient
C2/301	A	300 L	2,0	0,44	4,55 (EN 255-3)	1800 x 660	highly efficient
C2/231 AIR	A	230 L	2,0	0,44	4,55 (EN 255-3)	1600 x 660	highly efficient and air duct
C2/301 AIR	A	300 L	2,0	0,44	4,55 (EN 255-3)	1850 x 660	highly efficient and air duct

# Advantages of sanitary hot water Termo+ heat pumps



**Multi-functional controller** provides optimal heat pump management with functions like automatic anti-legionella program and weekly timer.



**High efficient rotary compressor** developed especially for sanitary hot water heat pumps ensures low operating costs, long lifetime and hot water up to 62 °C. This allows us execution of anti-legionella program without additional electric heater.



**Thermostatic expansion valve** with internal equalizer and possibility of external superheat adjustment provides optimal operation and more responsive heat pump.



**External large-surface condenser** heats up water faster due to bigger heat transfer surface. Indirect heating prevents leakage of the refrigerant into sanitary hot water.



**ECQ fan** provides silent operation and high air flow at 65 % lower electricity costs



**Large evaporator** with optimal fin spacing provides efficient operation even at difficult operating conditions.



**Top quality enamelled water tank with a build-in MG anode** provides a complete anticorrosion protection. High quality PU insulation ensures low heat losses.



**A built-in heat exchanger** enables connection of an external source of heating, also solar panels.

**REDUCE THE COSTS OF SANITARY HOT WATER HEATING BY UP TO 75%.**

**Suitable for installation in a basement storage room or boiler room, where you can also benefit the cooling effect.**