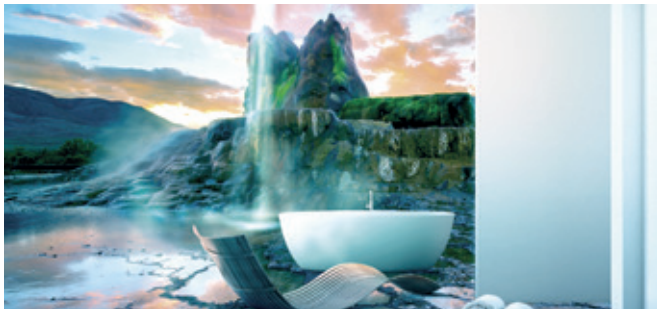
Your spring of hot water

High-quality electric water heaters,
storage tanks and sanitary heat pumps

www.tiki.si

Content



Brief history of our long-lasting tradition

For almost 70 years we have been a part of your daily life, making sure you never ran out of pleasures of hot water.

2019

Tiki becomes a part of Swedish international corporation **NIBE Industrier**

2015

Company Tiki produces **500.000 appliances a year**

2006

The process of relocating the plant **from Slovenia to Serbia** has started

2001

Brand Tiki celebrates **50 years anniversary**

2000

Company Tiki acquires **first ISO 9001 certificate** for quality

1983

First sanitary heat pump is made

1978

Company Tiki joins well-known Gorenje Group

1955

Electrical water heaters become representatives of the brand

1951

Company Tiki is funded in Ljubljana

TIKI

The name TIKI is an abbreviation and in Slovene language stands for Technical Institute of Metalworking.

600
employees

Up tp 600 employees inside Tiki Company across Europe make sure hot water is always at your hand.

70
years

In **2021** the brand Tiki celebrates **70th anniversary** of international success across Europe.

High 5

The key advantages of appliances guarantee **perfect comfort** and **use of hot water**.

HighTech

High **Efficiency**

The cutting-edge technology ensures excellent energy efficiency. Advanced and smart electronic controllers monitor the user habits, optimising the energy consumption.

High **Quality**

Due to their numerous technical advantages and eco-friendly materials used, Tiki appliances and sanitary heat pumps are the quintessence of top quality. The reliability is ensured by consistent quality control and laboratory tests, while environmental acceptability is ensured by complying with strict international regulations.

Anti-legionella function

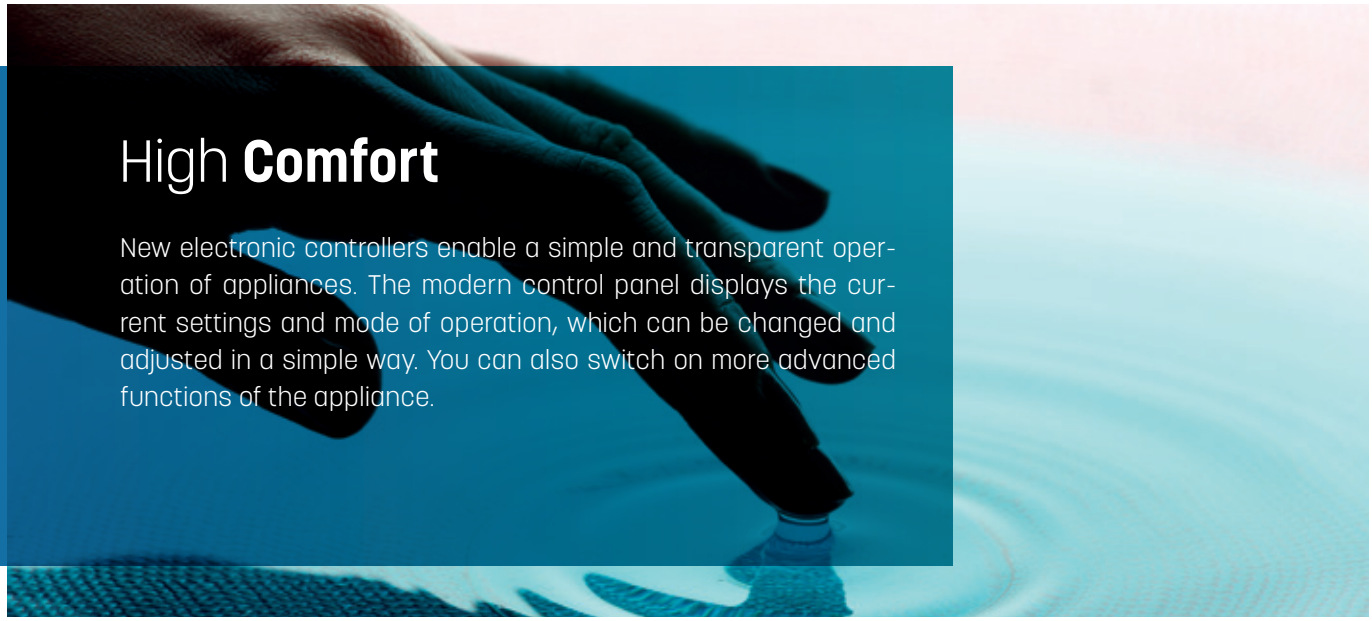
If the temperature of the water stored in the tank never reaches 65 ° C over a period of 14 consecutive days, the electric heating element will activate automatically and will heat the water to a temperature that prevents the emergence and successfully destroys Legionella bacteria in the water.

Overheating protection

Protection against overheating prevents rising water temperature in the heater above 90°C. The water heater stops working and warns the user that the water temperature is too high due to malfunctioning issue. Thus protects the user from possible accidental burns.

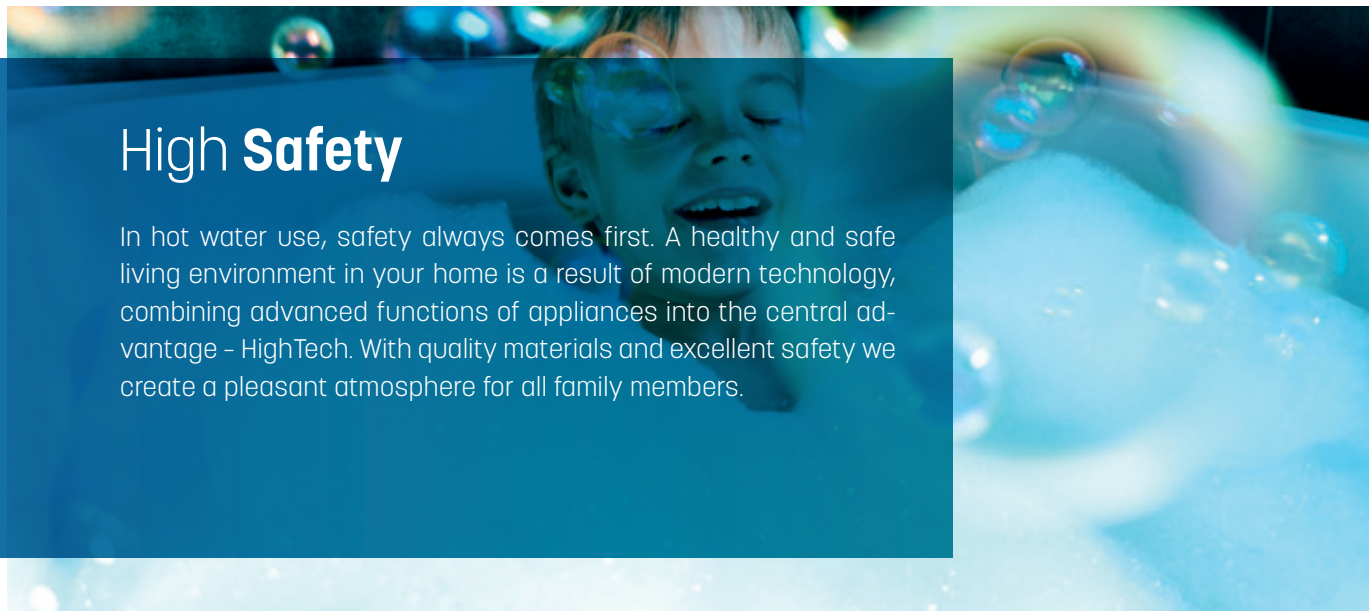
Dry-firing protection

Prevents turning on the water heater if it isn't filled with water before connecting to the power supply. Thus protects the inside of the heater from overheating and subsequent burnout of heating element.



High **Comfort**

New electronic controllers enable a simple and transparent operation of appliances. The modern control panel displays the current settings and mode of operation, which can be changed and adjusted in a simple way. You can also switch on more advanced functions of the appliance.



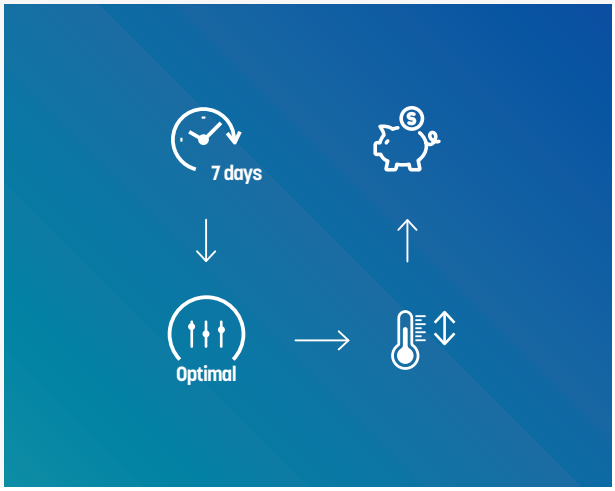
High **Safety**

In hot water use, safety always comes first. A healthy and safe living environment in your home is a result of modern technology, combining advanced functions of appliances into the central advantage – HighTech. With quality materials and excellent safety we create a pleasant atmosphere for all family members.

EcoSmart

save up to 25% of energy

Advanced EcoSmart function adjusts the heater operation to your needs and allows up to 25 percent of power savings.



How does EcoSmart work?

This function monitors your water consumption habits. After 7 days it calculates the optimal mode of operation that corresponds to your needs while consuming the minimum amount of energy. The function remembers in which parts of the day you need the highest amount of hot water, i.e. when the hot water consumption is at its maximum. Based on the calculations, the heater automatically switches on and off, saving energy. If you want or need to change the settings, simply repeat the process of monitoring/recording your habits.

EcoCare

Eco- and human-friendly

The new generation heaters and heat pumps are made of 100% recycled materials, are eco-friendly, and do not contain substances that are harmful to humans.

Key attributes
of the Product range

Strict tests for **reliability**

The reliability of Tiki water heaters is ensured by the system of consistent quality control, which includes a 100% pressure test, 100% corrosion protection control, 100% leakage control, 100% electrical safety control and 100% operation test.

Diversity for all types of needs

The broad sales range enables optimum selection for each of your needs. You can choose from among different volumes of heaters, constructed from metal or plastic, and with a rounded or square housing.

Solution for all types of premises

The new generation heaters allow numerous possibilities of installation and optimal use of space. They can be installed vertically or horizontally, under the counter or above it, on the ground – the possibilities depend on the model of the appliance.

High-quality insulation

Our appliances have numerous technical features for more efficient energy consumption. One of them is a layer of special heat insulation, which can be up to 100 mm thick in some models. It is made of a high-quality, eco-friendly polyurethane foam that does not contain CFCs.

European quality

The new generation appliances contain components of recognised European producers, ensuring reliable quality and long life span of electric heaters and sanitary heat pumps.

Double anti-corrosion protection

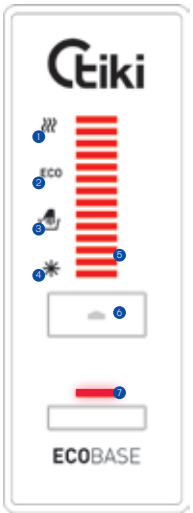
The new generation of electric water heaters boasts a top-notch and exceptionally clean enamel and a large magnesium anode, which ensure durability even in the hardest working conditions, without harmful substances in the water.

Protection against environmental impact

The metal boilers are made of a high-quality steel sheet, which is a solid basis for the enamelling process. A thicker steel sheet (2.25 mm for the upper and lower part of the boiler and 1.80 for the coat) and protective layer ensure higher durability in harder working conditions.

High comfort of operation

Digital electronic regulation with soft keys enables a simple, transparent and user-friendly operation for excellent energy efficiency.



EcoBase:

1 Temperature 75 °C

2 Temperature 55 °C

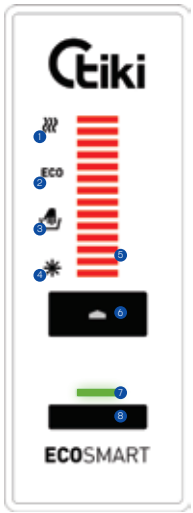
3 Temperature 35 °C

4 Anti-frost temperature 10 °C

5 7-segment LED thermometer (1 LED per two bars), white

6 Temperature adjustment key

7 Red signal light for el. heater operation



EcoSmart:

1 Temperature 75 °C

2 Temperature 55 °C

3 Temperature 35 °C

4 Anti-frost temperature 10 °C

5 7-segment LED thermometer (1 LED per two bars), white

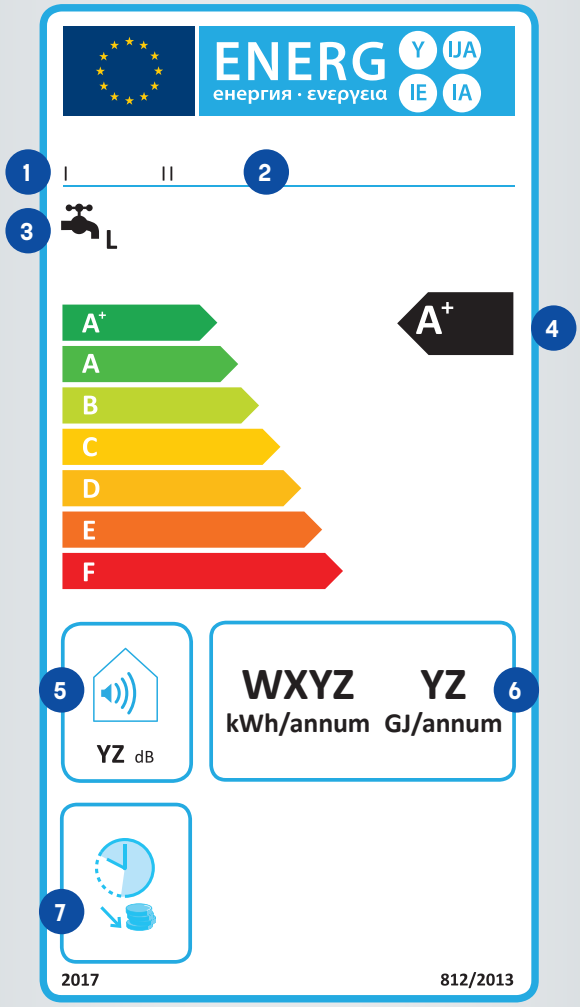
6 Temperature adjustment key

7 Green signal light for Eco Smart operation

8 EcoSmart function key

Energy label

Provides unambiguous and simple overview of characteristics and operation of electric water heaters and high-capacity water heaters.



Legend:

1. Supplier's name or trade mark
2. Supplier's model identifier
3. Declared load profile
4. Energy efficiency class
5. The sound power level indoors
6. The annual electricity consumption
7. Only off-peak work

Tiki products meet all the requirements of the EcoDesign directive and ensure **quality** and **efficiency** you expect.

Interpretation and description of **icons**

Vertical wall mounting

Vertical mounting on the wall.

Horizontal wall mounting

Horizontal mounting on the wall.

Vetrical and horizontal wall mounting

Vertical or horizontal mounting on the wall.

Over sink installation

The compact heaters allowin installation above the sink.

Under sink installation

The compact heaters allowin installation under the sink.

Electric immersion heaters

Copper immersion electric heater in direct contact with water ensures strong resistance to corrosion and long useful life.

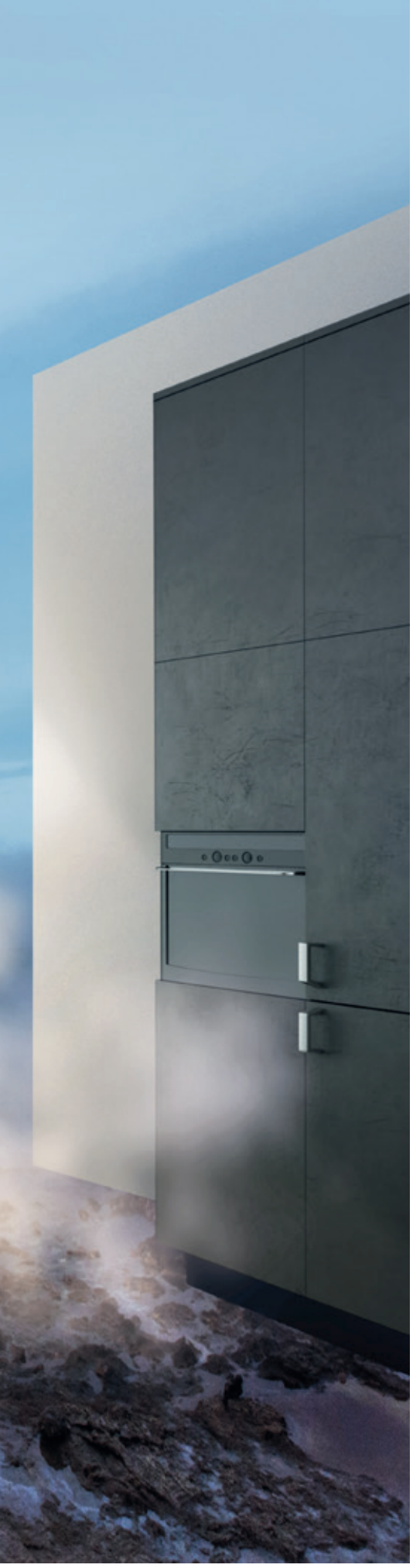
Indirect tube air heaters

Electric heaters inserted into the heating flange made of special steel and enamelled against corrosion, ensures a long useful life as they are not in direct contact with water.

High-quality insulation

High-quality environmentally friendly thermal insulation ensures the most economical use of energy and minimum heat loss.

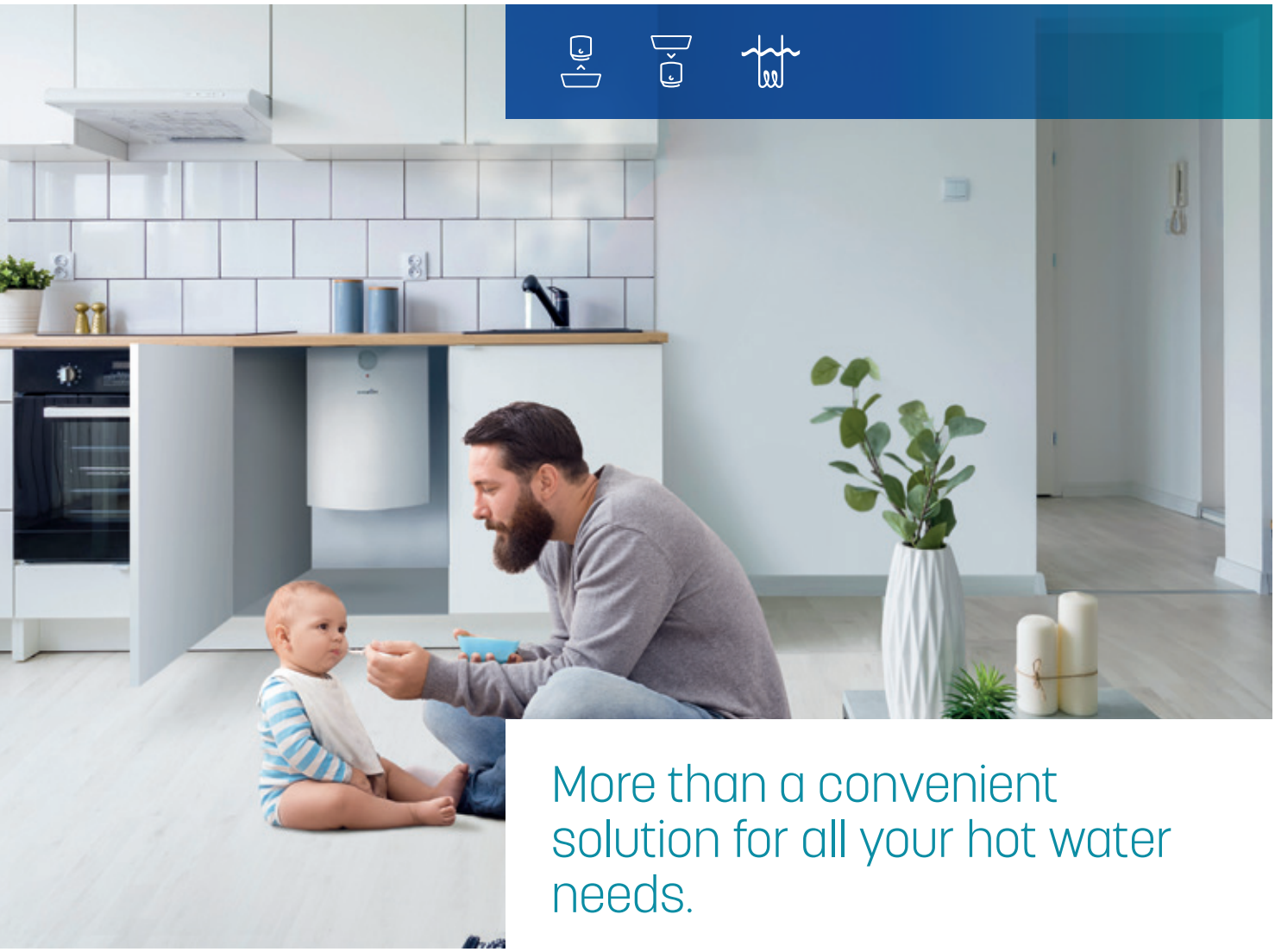
Mini line



1

Small but reliable companions.

These heaters are suitable for facilities where instant need for a small quantity of hot water may arise, such as in kitchens, guest rooms or washrooms as well as workshops, refurbished old buildings, laundry rooms or laboratories. They are manufactured with dimensions that make them suitable for over and under basin installation.



More than a convenient solution for all your hot water needs.

Based on the model, the tank can be manufactured from hygienically impeccable plastic material (polypropylene) or from a steel sheet, coated with high-quality anti-corrosion enamel in combination with a protective magnesium anode. Some models of water heaters are suitable for situations where at least two water outlets are to be supplied with hot water.

Mini line

MINI/MINI BT NON-PRESSURISED

Legend:

1. Control knob
2. Plastic tank
3. Copper immersion heating element
4. Plastic coat

Advantages:

- Supply of one outlet only.
- Under basin and over basin mounting option.
- Indicator of electric heating element operation.
- Tank made of hygienically safe polypropylene.
- Control knob for optional setting of water temperature in the heater, up to 75 °C.

MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	Rated power output	Heating time from 10 to 65 °C
5 L	390x256x213	A	525/527 kWh	2000 W	10 min
10 L	454x310x265	A	523/525 kWh	2000 W	20 min

* For detailed tech. info. about the products go to pages 62.

10-75 C°
TEMPERATURE RANGE ADJUSMENT

/ bar
WORKING PRESSURE

IP24
DEGREE OF PROTECTION

Mini line

MINI P / MINI PBT PRESSURISED

Legend:

1. Control knob
2. Enamelled tank
3. Copper immersion heating element
4. Plastic coat

Advantages:

- Supply of two or more outlets.
- Under basin and over basin mounting option.
- Tank made of high-quality sheet steel, enamel coated at 850°C.
- Magnesium anode for additional anticorrosion protection of the tank.
- Insulated version of heating flange.
- Possibility of selecting an economical water temp. and freeze prevention temp. setting.
- Indicator of electric heating element operation.
- Can be used as a non-pressurized unit if properly connected and fitted with a mixing tap.

MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	Rated power output	Heating time from 10 to 65 °C
5 L	396x256x260	A	514/525 kWh	2000 W	11 min
10 L	500x350x265	A	508/524 kWh	2000 W	20 min
15 L	500x350x310	A	510/523 kWh	2000 W	29 min

* For detailed tech. info. about the products go to pages 63.

10-75 C°

TEMPERATURE RANGE ADJUSMENT

6-9 bar

WORKING PRESSURE

IP24

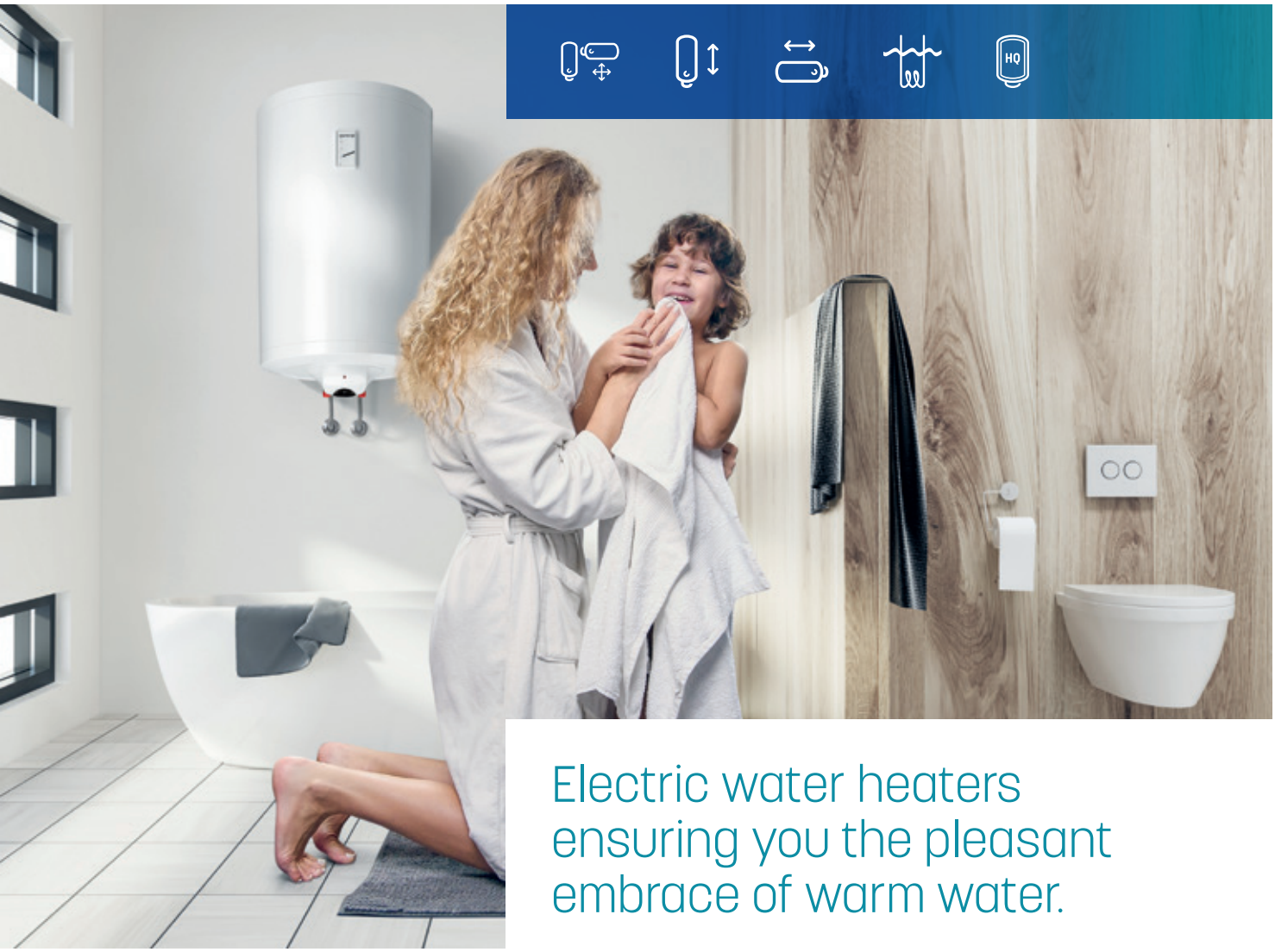
DEGREE OF PROTECTION

Primary line

2

Indispensable in the everyday needs.

These water heaters are intended for supply of individual outlets as well as for group or central hot water supply from a single heater. Visually updated and brought into line with the appearance of the new generation appliances the heaters combine the modern look with reliable quality, based on modern technology, knowledge and long-term experience.



Electric water heaters ensuring you the pleasant embrace of warm water.

Primary Line electrical heaters are fitted with a copper immersion heating element for strong corrosion resistance and a long useful life. Some models allow the control knob located on the protective cover on the bottom part of the heater allowing you to set the water temperature to up to 65 °C, as well as to choose an economical setting or the freeze prevent setting.

Primary line

PRIME PRESSURISED

Legend:

1. Enamelled tank
2. Outlet pipe
3. Cold water inlet with sprayer
4. Copper immersion heating element
5. Metal coat
6. Magnesium anode

Advantages:

- Supply of several outlets
- Vertical wall mounting
- Electric immersion heating element
- Signal light for heating element operation display
- Bimetal thermometer for display of water temperature in the heater tank
- Anti-corrosion tank protection with enamel and a magnesium anode
- Simple installation and maintenance

MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	Rated power output	Heating time from 10 to 65 °C
30 L	459x454x461	C	558 kWh	2000 W	59 min
50 L	576x454x461	C	1427 kWh	2000 W	1 h 34 min
80 L	781x454x461	C	1428 kWh	2000 W	2 h 20 min
100 L	941x454x461	C	2762 kWh	2000 W	3 h 10 min
120 L	1081x454x461	C	2770 kWh	2000 W	3 h 46 min
150 L	1296x454x461	C	4413 kWh	2000 W	4 h 42 min
200 L	1505x500x507	D	4756/4782 kWh	2000 W	6 h 32 min

* For detailed tech. info. about the products go to pages 64.

55 C°

TEMPERATURE RANGE ADJUSMENT

6-9 bar

WORKING PRESSURE

IP23

DEGREE OF PROTECTION

Primary line

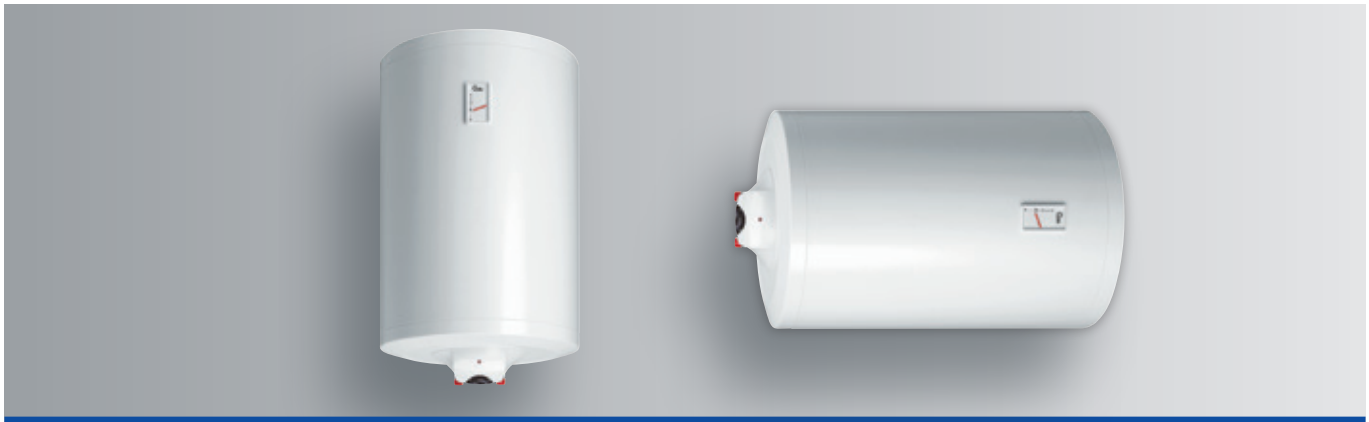
PRIME M / PRIME MU PRESSURISED

Legend:

1. Enamelled tank
2. Outlet pipe
3. Cold water inlet with sprayer
4. Copper immersion heating element
5. Metal coat
6. Magnesium anode

Advantages:

- Supply of several outlets
- Vertical and/or horizontal (WHTGRU) wall mounting
- Electric immersion heating element
- Temp. regulation with a control knob
- Available temp. settings: user-defined setting up to 65 °C, economical setting of 55 °C, Freeze protection 10 °C
- Signal light for heating element operation display
- Bimetal thermometer for display of water temp. in the heater tank
- Anti-corrosion tank protection with enamel and a magnesium anode
- Simple installation and maintenance



MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	Rated power output	Heating time from 10 to 65 °C
30 L	468x454x461	C	558 kWh	2000 W	59 min
50 L	585x454x461	C	1427 kWh	2000 W	1 h 34 min
80 L	790x454x461	C	1428 kWh	2000 W	2 h 20 min
100 L	950x454x461	C	2762 kWh	2000 W	3 h 10 min
120 L	1090x454x461	C	2770 kWh	2000 W	3 h 46 min
150 L	1305x454x461	C	4413 kWh	2000 W	4 h 42 min
200 L	1514x500x507	D	4756/4782 kWh	2000 W	6 h 32 min

* For detailed tech. info. about the products go to pages 65 - 66.

10-65 C°

TEMPERATURE RANGE ADJUSMENT

6-9 bar

WORKING PRESSURE

IP23

DEGREE OF PROTECTION

Primary line

PRIME CL / PRIME CR PRESSURISED

Legend:

1. Enamelled tank
2. Outlet pipe
3. Cold water inlet with sprayer
4. Copper immersion heating element
5. Metal coat
6. Tubular heat exchanger

Advantages:

- Supply of several outlets
- Vertical wall mounting
- Tubular heat exchanger
- Left-hand side (LN) or right-hand side (RN) heat exchanger connection
- Electric immersion heating element
- Temp. regulation with a control knob
- Available temp. settings: user-defined setting up to 65 °C, economical setting of 55 °C, Freeze protection 10 °C
- Signal light for heating element operation display
- Bimetal thermometer for display of water temp. in the heater tank
- Anti-corrosion tank protection with enamel and a magnesium anode

MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	Rated power output	Heating time from 10 to 65 °C
80 L	790x454x461	C	1428 kWh	2000 W	2 h 20 min
100 L	950x454x461	C	2762 kWh	2000 W	3 h 10 min
120 L	1090x454x461	C	2770 kWh	2000 W	3 h 46 min
150 L	1305x454x461	C	4413 kWh	2000 W	4 h 42 min
200 L	1514x500x507	D	4756 kWh	2000 W	6 h 32 min

* For detailed tech. info. about the products go to pages 67.

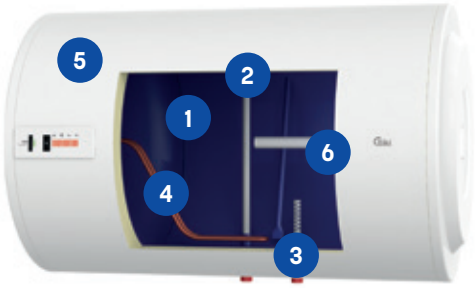
10-65 C°
TEMPERATURE RANGE ADJUSMENT

6-9 bar
WORKING PRESSURE

IP23
DEGREE OF PROTECTION

Primary line

PRIME EH PRESSURISED

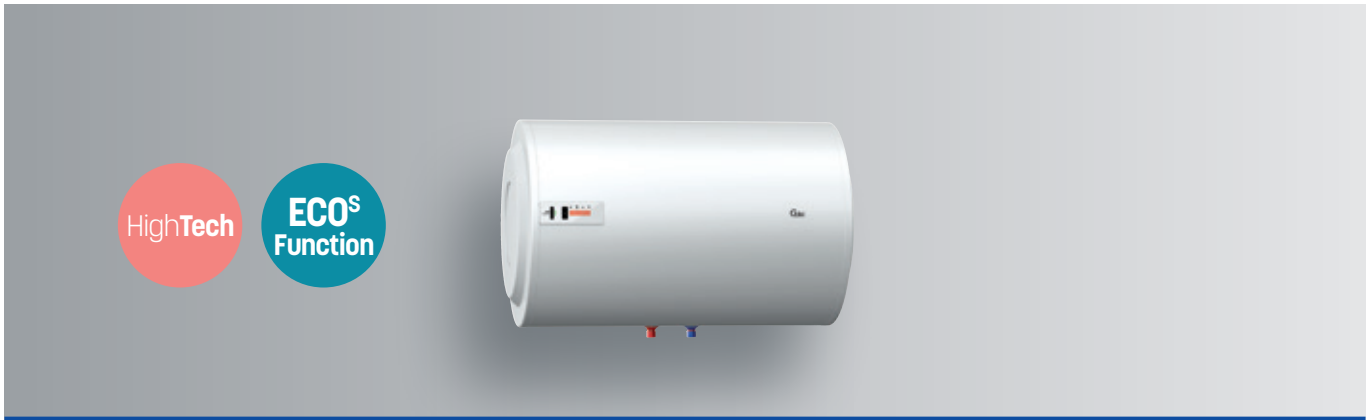


Legend:

1. Enamelled tank
2. Outlet pipe
3. Cold water inlet with sprayer
4. Copper immersion heating element
5. Metal coat
6. Magnesium anode

Advantages:

- Supply of several outlets
- Horizontal wall mounting
- Electric immersion heating element
- Electronic control unit
- Heater on/off and temperature adjustment key
- 7 LED temperature indicator
- **HighTech:** Dry firing protection, Overheating protection, Legionella control function
- Heating element operation indicator
- Error/fault indicator
- Anti-corrosion tank protection with enamel and a magnesium anode
- EcoSmart function on/off key
- Water consumption monitoring: Eco Smart function
- Data remains stored even in case of a power supply failure
- Smart operation indicator



MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	Rated power output	Heating time from 10 to 65 °C
80 L	811x500x507	B	1309 kWh	2000 W	2 h 37 min
100 L	955x500x507	C	1382 kWh	2000 W	3 h 16 min
120 L	1111x500x507	C	2605 kWh	2000 W	3 h 55 min
150 L	1326x500x507	C	2655 kWh	2000 W	4 h 54 min

* For detailed tech. info. about the products go to pages 68.

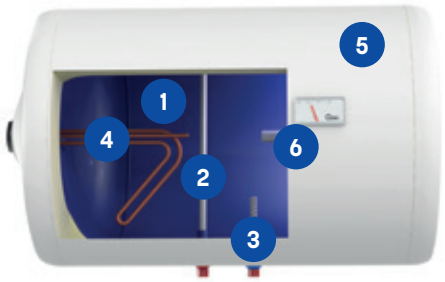
10-75 C°
TEMPERATURE RANGE ADJUSMENT

6-9 bar
WORKING PRESSURE

IP24
DEGREE OF PROTECTION

Primary line

PRIME MH PRESSURISED



Legend:

1. Enamelled tank
2. Outlet pipe
3. Cold water inlet with sprayer
4. Copper immersion heating element
5. Metal coat
6. Magnesium anode

Advantages:

- Supply of several outlets
- Horizontal wall mounting
- Electric immersion heating element
- Temp. regulation with a control knob
- Available temp. settings: user-defined setting up to 65 °C, economical setting of 55 °C, Freeze protection 10 °C
- Signal light for heating element operation display
- Bimetal thermometer for display of water temp. in the heater tank
- Anti-corrosion tank protection with enamel and a magnesium anode
- Simple installation and maintenance

MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	Rated power output	Heating time from 10 to 65 °C
50 L	505x500x507	C	1419 kWh	2000 W	1 h 38 min
80 L	710x500x507	C	1413 kWh	2000 W	2 h 37 min
100 L	870x500x507	C	1421 kWh	2000 W	3 h 16 min
120 L	1025x500x507	C	2771 kWh	2000 W	3 h 55 min
150 L	1240x500x507	C	2757 kWh	2000 W	4 h 54 min

* For detailed tech. info. about the products go to pages 69.

10-75 C°

TEMPERATURE RANGE ADJUSMENT

6-9 bar

WORKING PRESSURE

IP23

DEGREE OF PROTECTION

Econimic line

3

Excellence joining top-notch quality.

Economic Line electric water heaters are a result of years of experience, used together with the most contemporary technical solutions and advanced technologies. By activating the EcoSmart mode in selected models, you can achieve immense energy efficiency and save up to 25% of energy, and with the HighTech technology your hot water use will be perfectly safe.

Perfect comfort of warm water, easy to control.

The original heating element ensures improved usability and reliability of operation with minimal maintenance requirements. A modern electronic control unit, equipped with 7 LED temperature display, enables you a simple and user friendly operation. By installing the heater on the wall vertically or horizontally, you can make the most of your space according to your needs.

Economic line

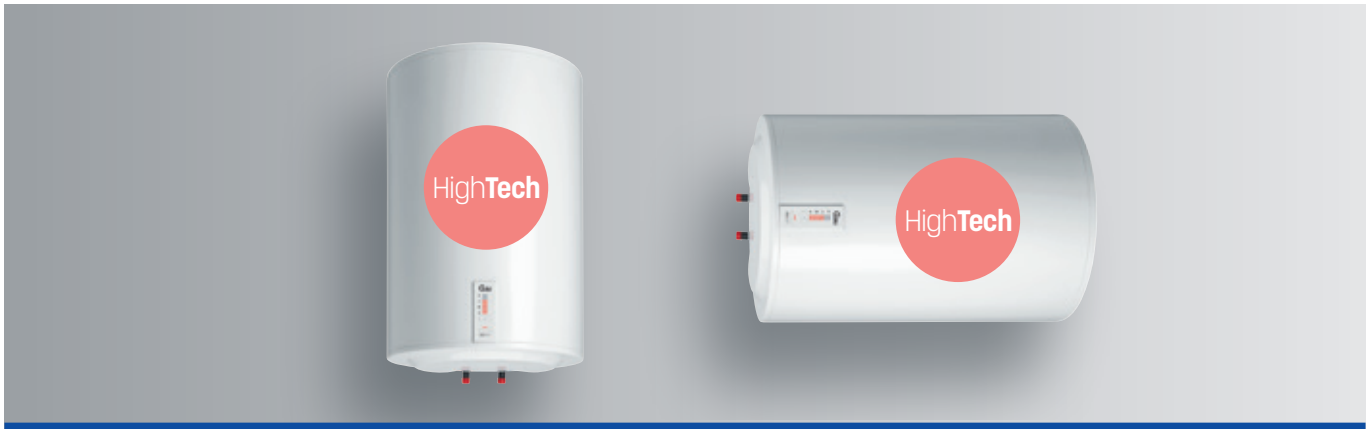
ECON M / ECON MU PRESSURISED

Legend:

1. Enamelled steel tank
2. Heating flange with dry heating elements
3. Cold water inlet with sprayer
4. Magnesium anode
5. Hot water outlet
6. Metal coat

Advantages:

- Supply of several outlets
- Vertical and/or horizontal wall mounting
- High-quality insulation for lower heat losses
- Heating flange with tubular air heating elements
- Electronic control unit
- Heater on/off and temperature adjustment key
- 7 LED temperature indicator
- **HighTech:** Dry firing protection, Overheating protection, Legionella control function
- Heating element operation indicator
- Error/fault indicator
- Anti-corrosion tank protection with enamel and a magnesium anode
- Simple installation and maintenance
- Water consumption monitoring



MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	Rated power output	Heating time from 10 to 65 °C
30 L	535x454x461	C	558 kWh	2100 W	59 min
50 L	590x500x507	C	1412 kWh	2000 W	1 h 38 min
80 L	810x500x507	C	1421 kWh	2000 W	2 h 37 min
100 L	955x500x507	C	2738 kWh	2000 W	3 h 16 min
120 L	1110x500x507	C	2755 kWh	2000 W	3 h 55 min
150 L	1325x500x507	C	4394 kWh	2000 W	4 h 54 min
200 L	1450x500x507/-	D	4756 kWh	2000 W	6 h 32 min

* For detailed tech. info. about the products go to pages 70 - 71.

10-75 C°

TEMPERATURE RANGE ADJUSMENT

6-9 bar

WORKING PRESSURE

IP24

DEGREE OF PROTECTION

Economic line

ECON E PRESSURISED

Legend:

1. Enamelled steel tank
2. Heating flange with dry heating elements
3. Cold water inlet with sprayer
4. Magnesium anode
5. Hot water outlet
6. Metal coat

Advantages:

- Supply of several outlets
- Vertical wall mounting
- High-quality insulation for lower heat losses
- Heating flange with tubular air heating elements
- Electronic control unit
- Heater on/off and temperature adjustment key
- 7 LED temperature indicator
- **HighTech:** Dry firing protection, Overheating protection, Legionella control function
- Heating element operation indicator
- Error/fault indicator
- Anti-corrosion tank protection with enamel and a magnesium anode
- Simple installation and maintenance
- EcoSmart function on/off key
- Water consumption monitoring: **Eco Smart function**
- Data remains stored even in case of a power supply failure
- Smart operation indicator

MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	Rated power output	Heating time from 10 to 65 °C
30 L	535x454x461	B	489 kWh	2100 W	59 min
50 L	590x500x507	B	1245 kWh	2000 W	1 h 38 min
80 L	810x500x507	B	1261 kWh	2000 W	2 h 37 min
100 L	955x500x507	C	2458 kWh	2000 W	3 h 16 min
120 L	1110x500x507	C	2469 kWh	2000 W	3 h 55 min
150 L	1325x500x507	C	4029 kWh	2000 W	4 h 54 min

* For detailed tech. info. about the products go to pages 72.

10-75 C°

TEMPERATURE RANGE ADJUSMENT

6-9 bar

WORKING PRESSURE

IP24

DEGREE OF PROTECTION

Economic line

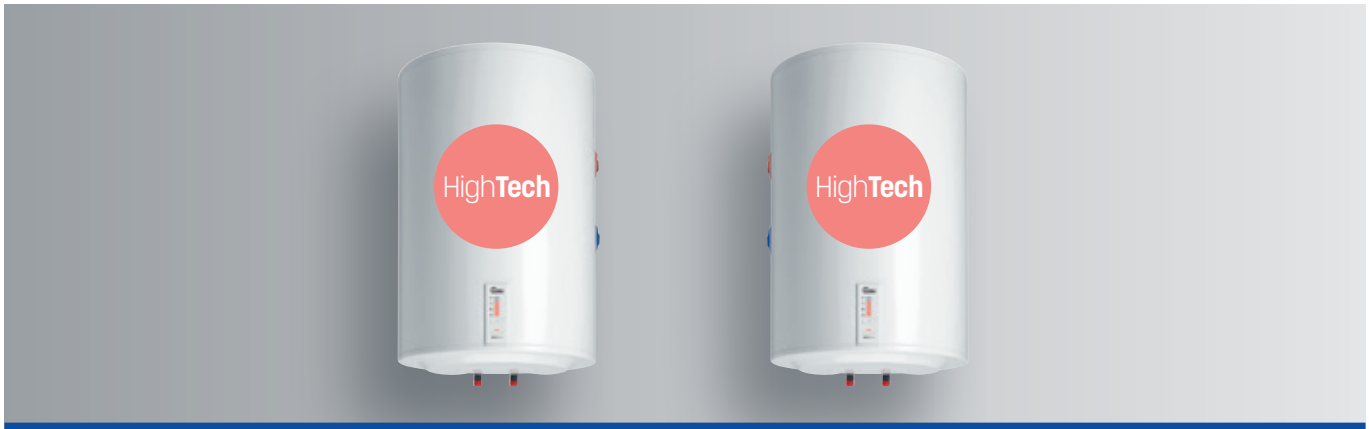
ECON CL / ECON CR PRESSURISED

Legend:

1. Heating flange with dry heating elements
2. Tubular heat exchanger
3. Polyurethane insulation
4. Metal coat
5. Cold water inlet with sprayer

Advantages:

- Supply of several outlets
- Vertical wall mounting
- Tubular heat exchanger
- Left-hand side (LN) or right-hand side (RN) heat exchanger connection
- High-quality insulation for lower heat losses
- Heating flange with tubular air heating elements
- Electronic control unit
- Heater on/off and temp. adjustment key
- 7 LED temp. indicator
- **HighTech:** Dry firing protection, Overheating protection, Legionella control function
- Heating element operation indicator
- Error/fault indicator
- Anti-corrosion tank protection with enamel and a magnesium anode



MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	Rated power output	Heating time from 10 to 65 °C
80 L	810x500x507	C	1421 kWh	2000 W	2 h 37 min
100 L	955x500x507	C	2738 kWh	2000 W	3 h 16 min
120 L	1110x500x507	C	2750 kWh	2000 W	3 h 55 min
150 L	1325x500x507	C	4395 kWh	2000 W	4 h 54 min
200 L	1450x500x507	D	4756 kWh	2000 W	6 h 32 min

* For detailed tech. info. about the products go to pages 73.

10-75 C°
TEMPERATURE RANGE ADJUSMENT

6-9 bar
WORKING PRESSURE

IP24
DEGREE OF PROTECTION

Economic line

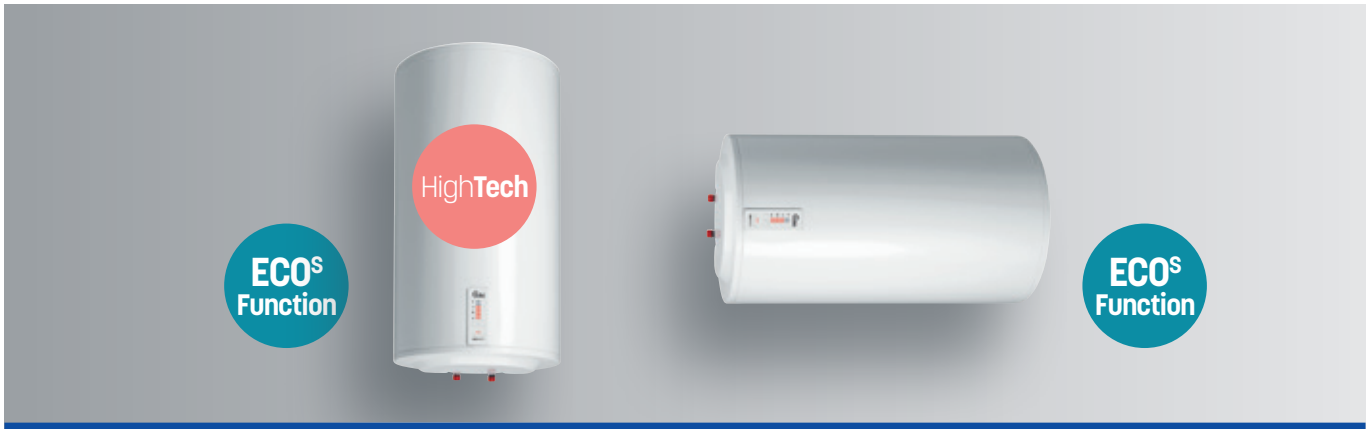
ECON ES / ECON ESU PRESSURISED

Legend:

1. Enamelled steel tank
2. Heating flange with dry heating elements
3. Cold water inlet with sprayer
4. Magnesium anode
5. Hot water outlet
6. Metal coat

Advantages:

- Supply of several outlets
- Vertical and/or horizontal (WHGBFU) wall mounting
- High-quality insulation for lower heat losses
- Electric immersion heating element
- Electronic control unit
- Heater on/off and temperature adjustment key
- 7 LED temperature indicator
- **HighTech:** Dry firing protection, Overheating protection, Legionella control function
- Heating element operation indicator
- Error/fault indicator
- Anti-corrosion tank protection with enamel and a magnesium anode
- EcoSmart function on/off key
- Water consumption monitoring: Eco Smart function
- Data remains stored even in case of a power supply failure
- Smart operation indicator



MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	Rated power output	Heating time from 10 to 65 °C
50 L	601x454x461	B	1309 kWh	2000 W	1 h 38 min
80 L	821x454x461	B	1313 kWh	2000 W	2 h 37 min
100 L	966x454x461	C	2542 kWh	2000 W	3 h 16 min
120 L	1121x454x461	C	2593 kWh	2000 W	3 h 55 min
150 L	1336x454x461	C	4179 kWh	2000 W	4 h 54 min

* For detailed tech. info. about the products go to pages 74 - 75

10-75 C°
TEMPERATURE RANGE ADJUSMENT

6-9 bar
WORKING PRESSURE

IP24
DEGREE OF PROTECTION

Superb line

4

Reliability with a modern look of elegance.

Superb Line electric water heaters feature a modern, visually attractive square design with rounded edges, and advanced technology that enables the maximum capacity in accordance with the European directives. A modern control unit, equipped with 7 LED temperature display, enables the EcoSmart function to save energy, and the perfect HighTech technology for completely safe use of hot water.

Visually attractive and technologically perfected for your home.

Superb Line water heaters are equipped with high-quality insulation for lower heat losses as well as anti-corrosion tank protection with enamel and a magnesium anode. HighTech solution enables you dry firing protection, overheating protection and Legionella control function. By activating the EcoSmart function, you can achieve high energy efficiency and simply save up to 25% of energy.

Superb line

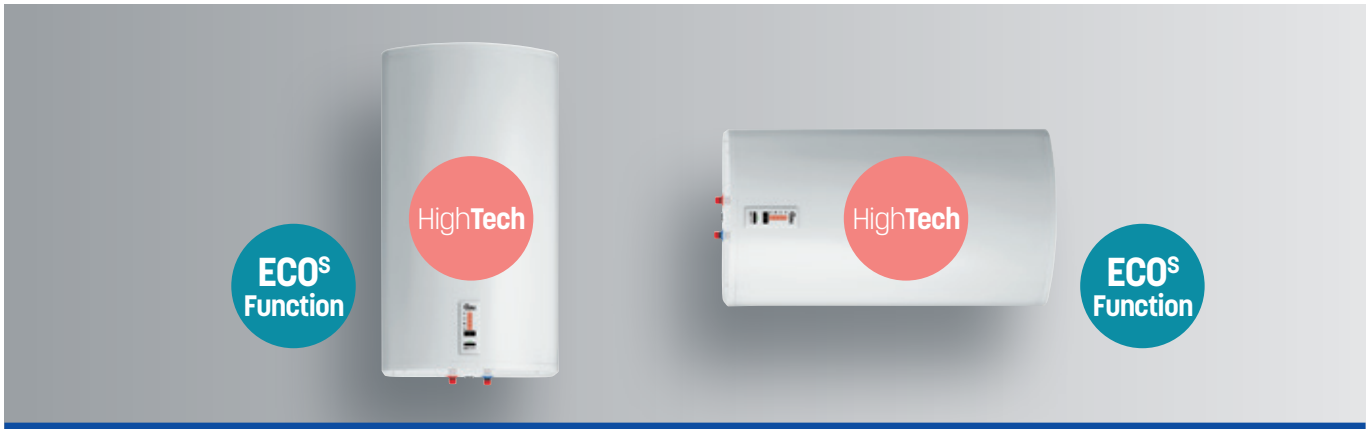
SUPR F PRESSURISED

Legend:

1. Enamelled steel tank
2. Heating elements with thermal fuses
3. Cold water inlet with sprayer
4. Hot water outlet
5. Magnesium anodes

Advantages:

- **Vertical (Supr F 30 L) and/or horizontal (Supr F 50 - 100 L) wall mounting**
- Two heating flanges
- Two temperature sensors
- Two thermal fuses
- Two magnesium anodes
- Electronic control unit
- 7 LED temperature indicator
- **HighTech:** Dry firing protection, Overheating protection, Legionella control function
- Heating element operation indicator
- Error/fault indicator
- Anti-corrosion tank protection with enamel and a magnesium anode
- EcoSmart function on/off key
- Water consumption monitoring: **Eco Smart function**
- Data remains stored even in case of a power supply failure
- Smart operation indicator
- **DIN standard connection pipes**



MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	Rated power output	Heating time from 10 to 65 °C
30 L	635x490x297	B	509 kWh	2000 W (1000+1000)	59 min
50 L	920x490x297	B	1270 kWh	2000 W (1000+1000)	1 h 38 min
80 L	1350x490x297	B	1299 kWh	2000 W (1000+1000)	2 h 01 min
100 L	1635x490x297	C	2572 kWh	2000 W (1000+1000)	2 h 31 min

* For detailed tech. info. about the products go to pages 76.

10-75 C°
TEMPERATURE RANGE ADJUSMENT

6-9 bar
WORKING PRESSURE

IP24
DEGREE OF PROTECTION

Superb line

SUPR / SUPR ES PRESSURISED

Legend:

1. Enamelled steel tank
2. Copper immersion heating element
3. Cold water inlet with sprayer
4. Magnesium anode
5. Hot water outlet
6. Metal coat

Advantages:

- Supply of several outlets
- Vertical wall mounting
- High-quality insulation for lower heat losses
- Electric immersion heating element
- Electronic control unit
- Heater on/off and temperature adjustment key
- 7 LED temperature indicator
- **HighTech:** Dry firing protection, Overheating protection, Legionella control function
- Heating element operation indicator
- Error/fault indicator
- Anti-corrosion tank protection with enamel and a magnesium anode
- EcoSmart function on/off key
- Water consumption monitoring: **Eco Smart function** (Supr ES)
- Data remains stored even in case of a power supply failure
- Smart operation indicator

MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	Rated power output	Heating time from 10 to 65 °C
30 L	510x500x512 / 510x420x445	B/B	525/496 kWh	2000 W	59 min
50 L	610x500x512 / 690x420x445	C/B	1382/1282 kWh	2000 W	1 h 38 min
80 L	830x500x512 / 950x420x445	C/B	1393/1296 kWh	2000 W	2 h 37 min
100 L	975x500x512 / 1125x420x445	C/C	2687/2480 kWh	2000 W	3 h 16 min
120 L	1130x500x512 / 1300x420x445	C/C	2762/2554 kWh	2000 W	3 h 55 min
150 L	1345x500x512 / -	C/-	4399/- kWh	2000 W	4 h 54 min/-

* For detailed tech. info. about the products go to pages 77 - 78.

10-75 C°

TEMPERATURE RANGE ADJUSMENT

6-9 bar

WORKING PRESSURE

IP24

DEGREE OF PROTECTION

Superb line

SUPR D / SUPR ESD PRESSURISED

Legend:

1. Enamelled steel tank
2. Heating flange with dry heating elements
3. Cold water inlet
4. Magnesium anode
5. Hot water outlet
6. Metal coat

Advantages:

- Supply of several outlets
- Vertical wall mounting
- High-quality insulation for lower heat losses
- Heating flange with tubular air heating elements
- Electronic control unit
- Heater on/off and temp. adjustment key
- 7 LED temp. indicator
- **HighTech:** Dry firing protection, Overheating protection, Legionella control function
- Heating element operation indicator
- Error/fault indicator
- Anti-corrosion tank protection with enamel and a magnesium anode
- Simple installation and maintenance
- EcoSmart function on/off key
- Water consumption monitoring: **Eco Smart function** (Supr EDS)
- Data remains stored even in case of a power supply failure
- Smart operation indicator

MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	Rated power output	Heating time from 10 to 65 °C
30 L	510x500x512 / 510x420x445	B/B	525/496 kWh	2100 W	59 min
50 L	610x500x512 / 690x420x445	C/B	1382/1241 kWh	2000 W	1 h 38 min
80 L	830x500x512 / 950x420x445	C/B	1393/1296 kWh	2000 W	2 h 37 min
100 L	975x500x512 / 1125x420x445	C/C	2687/2480 kWh	2000 W	3 h 16 min
120 L	1130x500x512 / 1300x420x445	C/C	2739/2554 kWh	2000 W	3 h 55 min
150 L	1345x500x512 / -	C/-	4399/- kWh	2000 W	4 h 54 min

* For detailed tech. info. about the products go to pages 79 - 80.

10-75 (85) C°
TEMPERATURE RANGE ADJUSMENT

6-9 bar
WORKING PRESSURE

IP24
DEGREE OF PROTECTION

Superb line

SUPR ED / SUPR Z - DUAL CIRCUIT PRESSURISED

Legend:

1. Enamelled steel tank
2. Heating flange with 2 to 6 heating elements
3. Cold water inlet with sprayer
4. Magnesium anode
5. Hot water outlet
6. Metal coat

Advantages:

- Vertical wall mounting.
- Heating flange with with 2 to 6 tubular air heating elements for DUAL CIRCUIT operation - rapid heating with high power
- Electronic control unit
- Heater on/off and temp. adjustment key
- 7 LED temp. indicator
- **HighTech**: Dry firing protection, Overheating protection, Legionella control function
- Heating element operation indicator
- Error/fault indicator
- Anti-corrosion tank protection with enamel and a magnesium anode
- Simple installation and maintenance
- EcoSmart function on/off key
- Water consumption monitoring: **Eco Smart function**
- Data remains stored even in case of a power supply failure
- Smart operation indicator

MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	Rated power output	Heating time from 10 to 65 °C
50 L	610x500x512	B	1241 kWh	2000 - 6000 W	1 h 38 min
80 L	830x500x512	B	1226 kWh	2000 - 6000 W	2 h 37 min
100 L	975x500x512	C	2461 kWh	2000 - 6000 W	3 h 16 min
120 L	1130x500x512	C	2505 kWh	2000 - 6000 W	3 h 55 min
150 L	1345x500x512	C	4001 kWh	2000 - 6000 W	4 h 54 min

* For detailed tech. info. about the products go to pages 81-82.

10-75 C°
TEMPERATURE RANGE ADJUSMENT

6-9 bar
WORKING PRESSURE

IP24
DEGREE OF PROTECTION

Space and **Buffer** line

5

High-capacity water heaters for all pampering wishes.

Responding to the trend of increasing use of renewable energy resources, Tiki has developed high-capacity combined water heaters - SPACE, intended to be connected with central heating systems with heat pumps, solar collectors or other energy sources. SPACE combined water heaters are a result of years of research and experience in water heater design and manufacturing. Buffer line has a high quality PU-insulation - 34 mm thick.

High quality for low heat loss and hot water always at hand.

Space line combined water heaters are made of high-quality steel sheet, meticulously enamel-coated and fitted with a magnesium protection anode. Fitted inside are one or two smooth tube coil heat exchangers which guarantee fast heating and high permanent capacity. Insulation is made of solid Freon-free polyurethane with thickness ranging from 60 mm to 110 mm, for low heat losses.

Space line

SPACE HIGH CAPACITY COMBINED WATER HEATERS-STORAGE TANKS

Legend:

1. Protective magnesium anode
2. Polyurethane insulation (CFC and HCFC free)
3. Heat exchangers
4. Electric heater
5. Electric heater control
6. Inflow of cold water
7. Enamelled tank

Advantages:

- Simple connection to the heating system pipeline (connection with an outer thread)
- High-quality PU insulation ensures low heat losses
- Polystyrene cover coat casing
- Integrated heating flange with 3 kW electric air heating elements and regulation thermostat
- Large heat exchanger surface
- Versions with one or two heat exchangers
- Tank made of high-quality steel sheet is protected with enamel coating
- Additional anti-corrosion tank protection with a magnesium anode
- Optional temperature sensor for external heat source

MODEL *	H/Ø (in mm)	Depth (in mm)	Energy class	Standing loss S	Heat exchanger surface
200 L A1	1535x570	695	C	71 W	2,0 m²
200 L A3	1675x670	795	B	58 W	2,3 m²
300 L B1	1590x670	795	C	89 W	2,5 m²
300 L B2	1590x670	795	C	89 W	4,0 m²
300 L 2G	1450x750	875	B	68 W	2,4 +1 m²

* For detailed tech. info. about the products go to pages 85.

85 C°

MAX. WATER TEMPERATURE STORAGE TANK

6-10 bar

WORKING PRESSURE STORAGE TANK

IP24

DEGREE OF PROTECTION

Buffer line

BUFFER TANKS FOR HEATING SYSTEMS

Advantages:

- Inner layer made of high quality sheet metal
- High quality PU-insulation, 34 mm thick
- Wall or floor mounting
- Equipped with:
- Air purge valve G $^{1}/_{2}$
- Discharge ball valve G $^{1}/_{2}$

MODEL *	H/Ø (in mm)	Depth (in mm)	Energy class	Standing loss S	Heat exchanger surface
50 L	570x454	-	C	47 W	-
100 L	570x454	-	C	67 W	-

* For detailed tech. info. about the products go to pages 86-87..

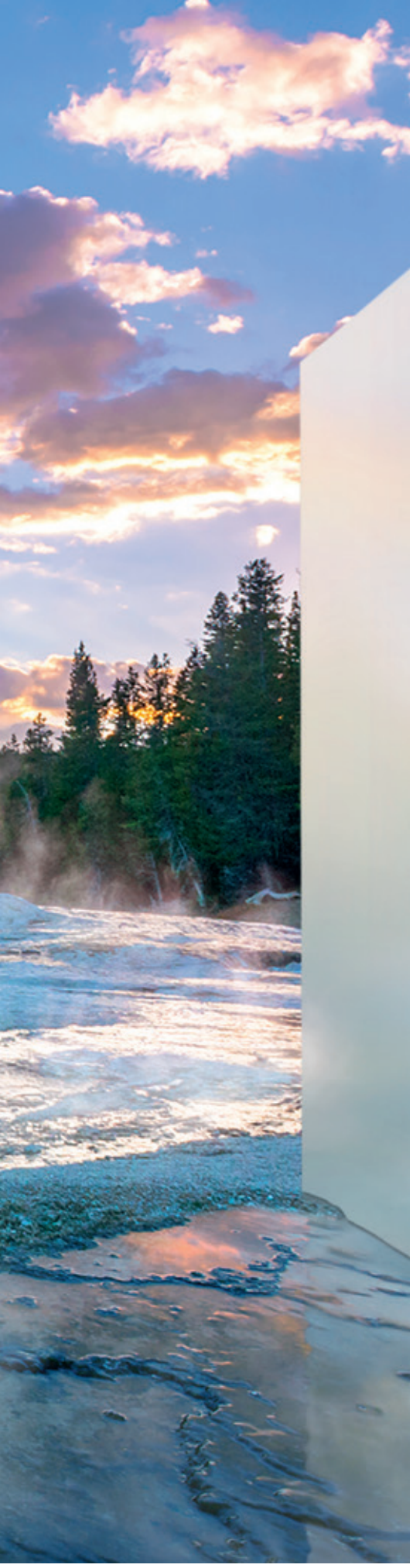
95 C°

MAX. WATER TEMPERATURE

6-10 bar

WORKING PRESSURE

DHW line



5

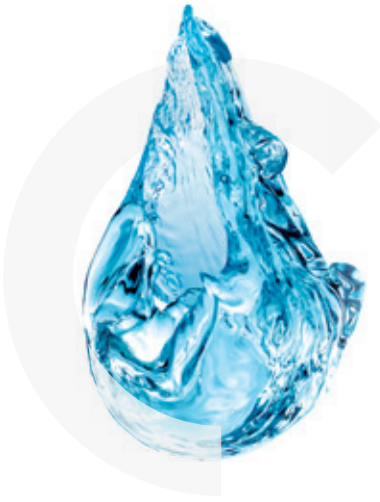
Premium high energy-efficient solutions.

Tiki sanitary heat pumps provide extreme energy efficiency. With some models you can save as much as 75% of energy. The expanded temperature zone of operation ranging between -7 °C to +45 °C and the possibility of selecting volumetric air flow rate as well as the direction of air capture and release allows it to operate throughout the year.

Key characteristics of sanitary heat pumps

High **quality**

Numerous technical advantages and eco-friendly materials are the quintessence of top quality. Quality control and laboratory tests ensure the reliability of our appliances.



External condenser

Wrapped around the outer side of the tank, it prevents the buildup of limescale, extends the useful life of the equipment and improves safety.

Anti-legionella protection

Automatic weekly heating of domestic water (70 °C) by means of a built-in electric heater prevents the growth of legionella.

High comfort of operation

Electronic control units: With LCD touch screen display

The new generation of sanitary heat pumps is equipped with a user-friendly electronic controller, allowing a simple and transparent operation. The built-in LCD display ensures an even better transparency of contents and functions and even simpler touch operation.

The functions and characteristics of the LCD display control unit:

- Temperature settings and display.
- Time and day settings and display
- Display of available hot water.
- Time and day programming.
- Fast heating "TURBO" mode.
- Heating on higher temperature (75°C).
- Setting a several day absence.
- Independent ventilation function.
- Error diagnostic.
- Automatic anti-legionella program with disinfection (70 °C), (possible to set days of activation or to switch off)

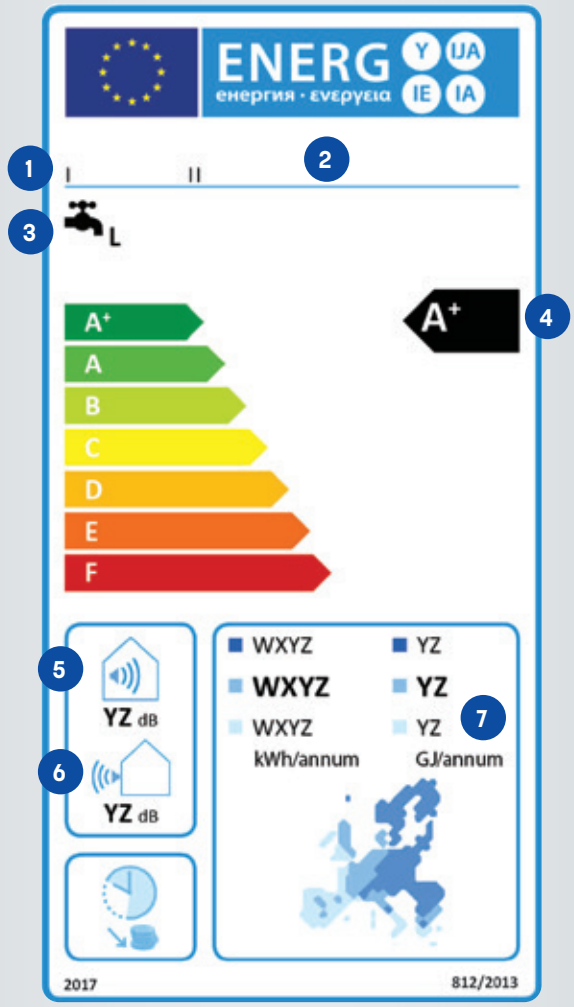
With soft buttons and led indicators

Simple, but efficient control unit offer the user complete comfort, safety and energy efficiency of hot water use.
The functions and characteristics of the control unit:

- Switch on/off
- Setting water temperature ranging from 10° C to 75 °C (heat pump up to 65 °C, electric heater from 65 °C to 75 °C
- Display of water temperature in the tank
- Automatic anti-legionella program with disinfection (70 °C), (possible to switch off)
- Quick (Turbo) heating to the desired temperature, (simultaneous heating of water with the heat pump and electrical heater)
- Indication of functioning in the spare mode
- Indication of the anti-legionella program implementation
- Indication of performance defects/errors

Energy label

Provides unambiguous and simple overview of characteristics and operation of heat pumps.



Legend:

1. Supplier's name or trade mark
2. Supplier's model identifier
3. Declared load profile
4. Energy efficiency class
5. Noise level of indoor unit
6. Noise level of HP's outdoor unit
7. Climate zones

Heat pumps Tiki reaches the highest level of energy efficiency and classifies at **A+ energy class.**

Interpretation and description of **icons for heat pumps**

Overheating protection

Protection against overheating prevents rising water temperature in the heater above 90°C. The water heater stops working and warns the user that the water temperature is too high due to malfunctioning issue. Thus protects the user from possible accidental burns.

Anti-legionella function

If the temperature of the water stored in the tank never reaches 65 ° C over a period of 14 consecutive days, the electric heating element will activate automatically and will heat the water to a temperature that prevents the emergence and successfully destroys Legionella bacteria in the water.

Air ducts

Modern buildings are characterized by tightly sealed windows and doors and superior wall insulation. Heat pump makes it possible to ventilate the home while using the exhaust hot air for the heating of domestic water simultaneously.

Indirect tube air heaters

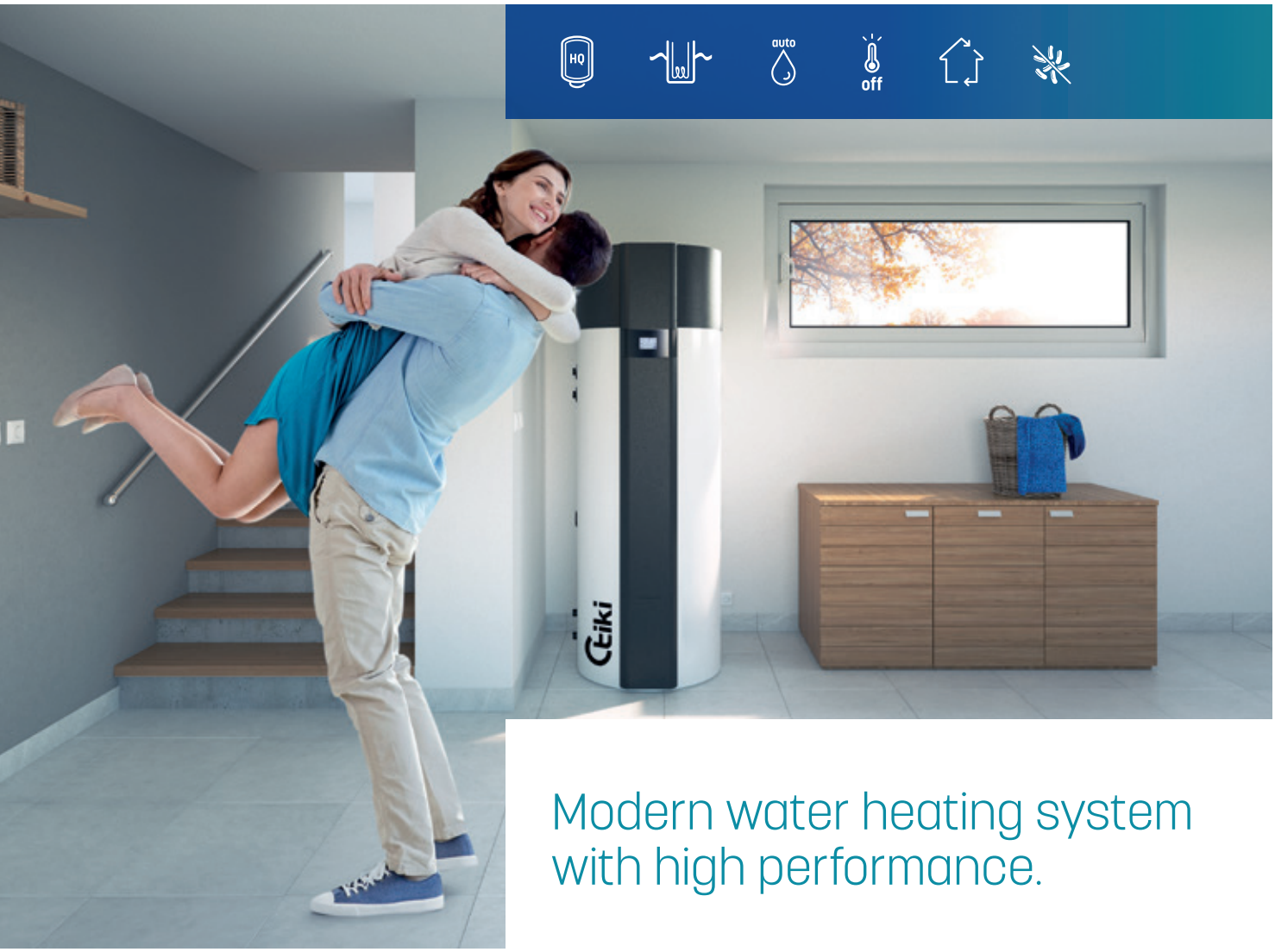
Electric heaters inserted into the heating flange made of special steel and enamelled against corrosion, ensures a long useful life as they are not in direct contact with water.

Automatic defrost

Automatic defrosting of the evaporator allows the operation of the heat pump even at low temperatures of the inlet air, and thus extend the range of operation.

High-quality insulation

High-quality environmentally friendly thermal insulation ensures the most economical use of energy and minimum heat loss.

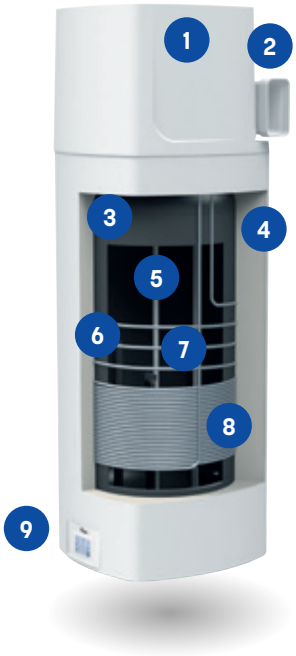


Modern water heating system with high performance.

Sanitary heat pumps with additional (one or two) heat exchanger can be simply and effectively combined with other sources of heating (central heating, sun collectors etc.). All models feature a modern electronic control unit with an LCD display for a simple, transparent and user-friendly use.

DHW line

DHW / DHW LT WALL MOUNTED



Legend:

1. Heat pump aggregate with rotation compressor
2. Air ducts
3. Enamelled tank
4. Polyurethane insulation (CFC and HCFC free)
5. Temperature sensor protection tube
6. Protective magnesium anode
7. Heating flange
8. Wrap around condenser
9. Electronic controller with LCD touch display

Advantages:

- Operating range from -7°C to +35°C*.
- Rotation compressor.
- Wrap around condenser.
- Air ducted version.
- Legionella control programme.
- Possibility of independent fan operation.
- Indirect air heating elements.
- Electronic controller with LCD touch display.
- Tank made of high quality steel sheet, enamel coated at 850°C.
- Magnesium anode for additional anti-corrosion protection of the tank.
- Eco friendly refrigerant R134a.

* Available models with operating range +7°C to +35°C (HPTC Z)

MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	COP_{DHW} (A7 / W10-55) EN 16147	Heating time A7 / W10-55
80 L	1197x506x 533	A+	461 kWh	2,65	5 h 20 min
100 L	1342x506x 533	A+	464 kWh	2,63	6 h 50 min
120 L	1497x506x 533	A+	459 kWh	2,61	8 h 41 min

* For detailed tech. info. about the products go to pages 88.

-7/+35 C°
DHW / DHW LT

+7/+35 C°
DHW

WORKING RANGE - AIR TEMPARATURE

6-9 bar

WORKING PRESSURE

55 C°

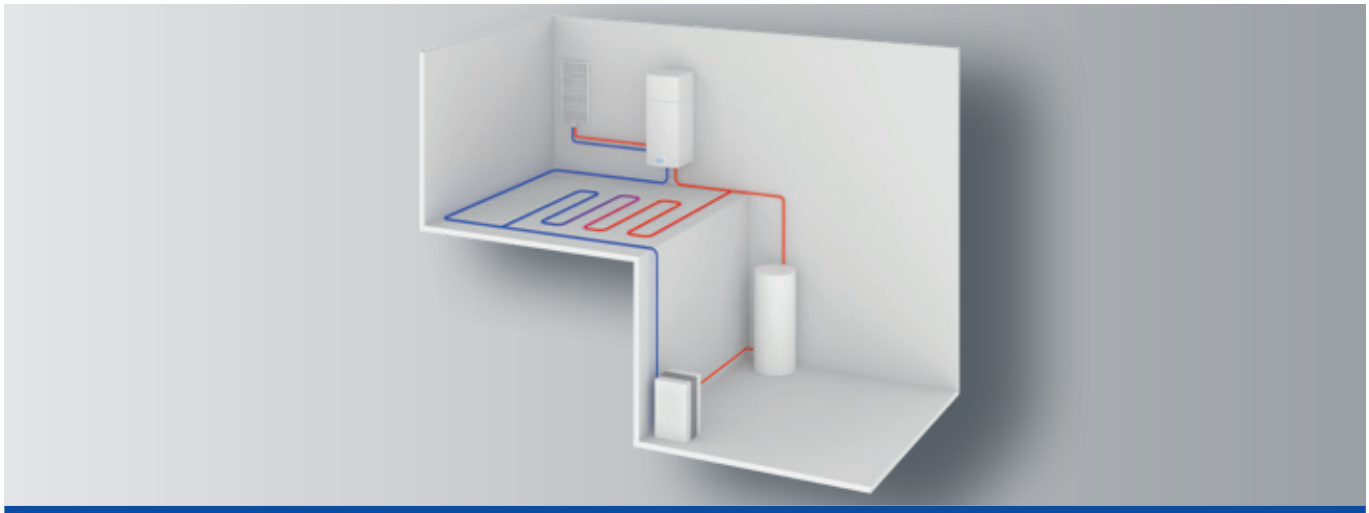
MAX. TEMPERATURE HOT WATER TANK HEAT PUMP

DHW line

DHW W / DHW WR WATER-WATER BOOSTER

Advantages:

- Heat source - underfloor heating (12 °C to 40 °C)
- Minimum flow rate of heating water 120 l/h
- Heating of domestic water up to 65 °C
- Primary function - heating of domestic water
- Secondary function - heating of one radiator (WR)
- Controlling and programming with an LCD control unit
- Integrated auxiliary heating element (In case the temperature of heating water is lower than 12 °C or higher than 40 °C and/or if the flow rate of the heating water is lower than 120 l/h an electric heating element will turn on as a spare source of heating).
- Programable anti-legionella function



MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	COP_{DHW} (W25 / W10-55) EN 16147
100 L W	1342x506x533	A+	364 kWh	4,45
120 L W	1497x506x533	A+	383 kWh	4,20
120 L WR	1497x506x533	A+	393 kWh	4,03

* For detailed tech. info. about the products go to pages 89.

+12/+40 C°

WORKING RANGE WATER TEMPERATURE

6-9 bar

WORKING PRESSURE

65 C°

MAX. TEMPERATURE HOT WATER TANK HEAT PUMP

DHW line

DHW W WATER-WATER BOOSTER

Legend:

1. Heat pump aggregate with rotation compressor
2. Digital controller
3. Electric heater
4. Protective magnesium anode
5. Temperature sensor protection tube

Advantages:

- Heat source - underfloor heating (12 °C to 40 °C)
- Minimum flow rate of heating water 120 l/h
- Heating of domestic water up to 65 °C
- Controlling and programming with an LCD control unit
- Integrated auxiliary heating element (In case the temperature of heating water is lower than 12 °C or higher than 40 °C and/or if the flow rate of the heating water is lower than 120 l/h an electric heating element will turn on as a spare source of heating).
- Programable anti-legionella function

MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	COP_{DHW} (W25 / W10-55) EN 16147
200 L W	1342x506x533	A+	364 kWh	4,45

* For detailed tech. info. about the products go to pages 89.

+12/+40 C°

WORKING RANGE WATER TEMPERATURE

6-9 bar

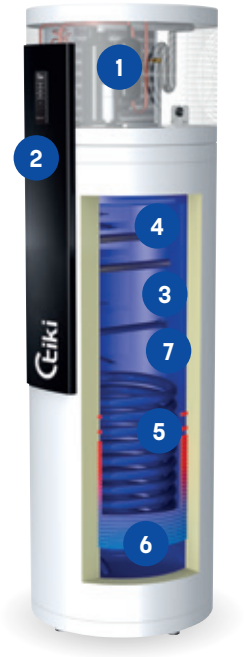
WORKING PRESSURE

65 C°

MAX. TEMPERATURE HOT WATER TANK HEAT PUMP

DHW line

DHWM / DHWM C



Legend:

1. Heat pump aggregate with rotation compressor
2. Digital controller
3. Electric heater
4. Protective magnesium anode
5. Heat exchanger
6. Wrap around condenser
7. Temperature sensor protection tube

Advantages:

- Storage tank volume 200 l and 300 l
- Versions with integrated smooth-pipe heat exchanger
- Operation temperature range from +7 °C to +40 °C
- Heating of water with heat pump up to 65 °C
- Maximum temperature of domestic water 75 °C
- COP_{DHW} (A20 / W10-55) EN 16147: 4,4
- Tank is made of a high-quality steel sheet metal, enamelled at 850 °C.
- Magnesium anode for additional protection of the tank from corrosion.
- Built-in electric heater 2 kW as an additional or spare source of water heating
- Eco-friendly refrigerant R134a.
- Electronic control unit with mechanical buttons and LED indicator enables:
  - Switch on/off
  - Setting water temperature ranging from 10° C to 75 °C
  - Display of water temperature in the tank
  - Quick heating to the desired temperature (simultaneous heating of water with the heat pump and electrical heater)
  - Heating to a higher temperature of 75 °C: Heat pump up to 65 °C, Electric heater from 65 °C to 75 °C
  - Automatic anti-legionella programme with disinfection (70 °C) (possible to switch off)
  - Indication of functioning in the reserve mode
  - Indication of the implementation of the antilegionella programme
  - Indication of performance defects/errors

MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	COP_{DHW} (A20 / W10-55) EN 16147	Heating time A20 / W10-55
200 L	1860 x 570 x 585	A+	576 kWh	4,3	7 h 19 min
200 L M	1860 x 570 x 585	A+	581 kWh	4,3	6 h 59 min
300 L	1960 x 670 x 685	A+	935 kWh	4,4	7 h 14 min
300 L C	1960 x 670 x 685	A+	936 kWh	4,4	6 h 57 min

* For detailed tech. info. about the products go to pages 90.

+7/+40 C°

WORKING RANGE - AIR TEMPARATURE

6-9 bar

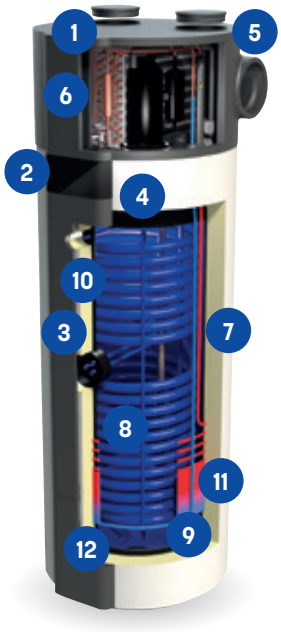
WORKING PRESSURE

65 C°

MAX. TEMPERATURE HOT WATER TANK HEAT PUMP

DHW line

DHW LT / DHW CLT HIGH-CAPACITY



Legend:

1. Air duct - cold air
2. Digital controller
3. Electric heater
4. Protective magnesium anode
5. Air duct - warm air
6. Heat pump aggregate with rotation compressor
7. Polyurethane insulation (CFC free)
8. Heat exchangers
9. Enamelled tank
10. Temperature sensor protection tube
11. Wrap around condenser
12. Inflow of cold water

Advantages:

- Integral design for operation with surrounding or channelled air
- Standard dimensions of air duct connections Ø160
- Several options for connection of the air capture and release duct system
- Airflow control option
- Integrated heating flange with air heating elements
- LCD electronic touch control allows: temp. adjustment and display, display of clock and day of the week, display of available amount of hot water, timer programming and rapid heating, "Away/Holiday" setting, automatic Legionella control system, fault/error diagnostics
- Design with or without heat exchangers
- High-quality PU insulation for lower heat losses
- Tank made of high-quality steel sheet is protected with enamel coating
- Additional anti-corrosion tank protection with a magnesium anode
- Pocket for temp. sensor of external heat source

MODEL *	H/W/D (in mm)	Energy class	Annual electricity consumption	COP_{DHW} A7 / W10-55) EN 16147	Heating time A7 / W10-55
200 L LT	1540x670x690	A+	797 kWh	3,10	6 h 24 min
201 L CLT	1540x670x690	A+	806 kWh	3,06	6 h 06 min
300 L LT	1960x670x690	A+	1231 kWh	3,34	9 h 40 min
301 L CLT	1960x670x690	A+	1246 kWh	3,30	9 h 39 min
302 L 2CLT	1960x670x690	A+	1247 kWh	3,30	9 h 39 min

* For detailed tech. info. about the products go to pages 91.

-7/+35 C°

WORKING RANGE AIR TEMPERATURE

6-10 bar

WORKING PRESSURE

65 C°

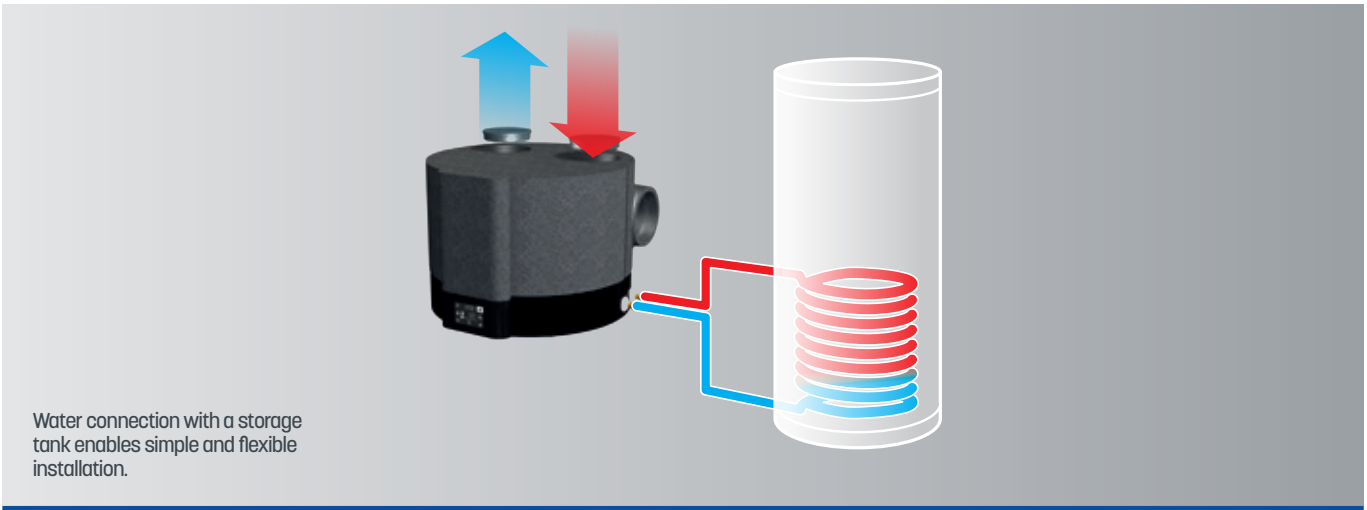
MAX. TEMPERATURE HOT WATER TANK HEAT PUMP

DHW line

DHWA INDEPENDENT HP UNIT WITH WATER CONNECTION

Advantages:

- Standalone SPLIT version with water connection
- Interoperable with all storage tanks with a volume of 120 l to 500 l
- Minimum surface of heat exchanger in the storage tank 0,8 m²
- Integrated PWM controlled circulation pump for optimum operation of the cooling system
- Adaptive Fan Speed: automatic fan speed adjustment based on air temperature
- Can be connected to a photovoltaic system
- Possibility of controlling a spare electric heater (max. power 2 kW)
- Time programming of the operation of the heat pump and water heating
- Active anti-legionella protection
- Enclosed temperature sensor for storage tank
- Simple installation, also suitable for small spaces
- Allows connection to the tank's heat exchanger on the left or right side
- COP (A20 / W10-55) EN 16147 : 3,6 (depending on the size of the exchanger)
- Heating of water with heat pump up to 65 °C



Water connection with a storage tank enables simple and flexible installation.

MODEL *	Refference to storage tank / heat exchanger	Annual electricity consumption	COPDHW (A20 / W10-55) EN 16147	Heating up Period (A20/ W10-55) EN 16147
DHWA	300L / 2,5m²	1122 kWh	3,6	8 h 58 min

* For detailed tech. info. about the products go to pages 92.

-7/+45 C°

WORKING RANGE - AIR TEMPARATURE

IP 24

PROTECTION

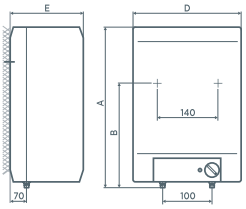
65 C°

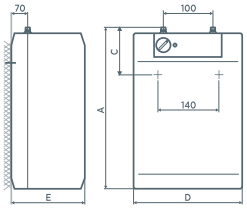
MAX. TEMPERATURE HOT WATER TANK HEAT PUMP

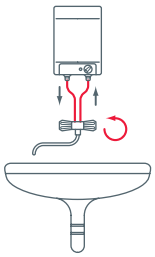
Mini line

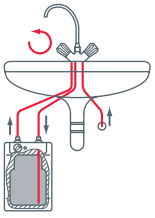
MODEL		MINI 5	MINI BT 5	MINI 10	MINI BT 10
Declared load profile		XXS	XXS	XXS	XXS
Energy efficiency class [1]		A	A	A	A
Energy efficiency ηwh [1]	%	35	35	35	35
AEC annual electricity consumption [1]	kWh	525	527	523	525
Daily electricity consumption Qelec [2]	kWh	2,475	2,490	2,464	2,477
Thermostat temperature settings		"e" / "eco"	"e" / "eco"	"e" / "eco"	"e" / "eco"
Specific precautions (assembly, install, maintain)			Use only vented (open outlet) tap W		
Value of smart		0	0	0	0
Storage volume V	l	5,5	5,7	9,8	9,9
PURPOSE					
One outlet		+	+	+	+
Overbasin installation		+	-	+	-
Underbasin installation		-	+	-	+
DIMENSIONS OF CONNECTIONS					
Average thickness of insulation	mm	31	31	35	35
Connections to the supply network		G 1/2	G 3/8	G 1/2	G 3/8
Net/gross weight/with water	kg	3,5/4/8,5	3,5/4/8,5	4/4,5/14	4/4,5/14
TECHNICAL CHARACTERISTICS					
Working pressure	Mpa (bar)	-	-	-	-
Plastic tank		+	+	+	+
Selection of temperature up to 75 °C		+	+	+	+
Protection against freezing		+	+	+	+
Heating element control lamp		+	+	+	+
Degree of protection		IP24	IP24	IP24	IP24
ELECTRICAL CONNECTIONS					
Rated power output	W	2000	2000	2000	2000
Voltage 230 V ~		+	+	+	+
Nominal current	A	8,7	8,7	8,7	8,7
FUNCTIONAL CHARACTERISTICS					
Thermal losses at 65 °C [3]	kWh/24	0,32	0,32	0,4	0,4
Heating time from 10 to 65 °C		10min	10min	20min	20min
TRANSPORTATION DATA					
Packaging dimensions [WxDxH]	mm	220x265x430	220x265x430	275x320x490	275x320x490

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard).









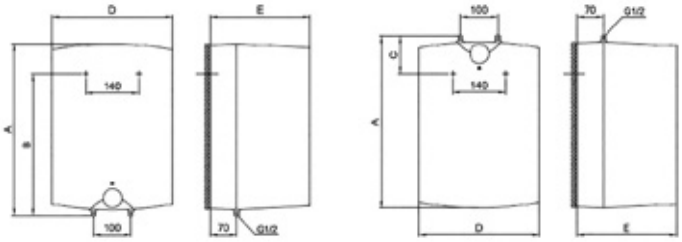
MODEL	MINI 5	MINI BT 5	MINI 10	MINI BT 10
A [mm]	390	390	454	454
B [mm]	264	-	398	-
C [mm]	-	138	-	122
D [mm]	256	256	310	310
E [mm]	213	213	265	265

Depending on the heater design, the proper non pressurised overbasin or underbasin mixer tap should be used.

Mini line

MODEL		MINI P 5	MINI PBT 5	MINI P 10	MINI PBT 10	MINI P 15	MINI PBT 15
Declared load profile		XXS	XXS	XXS	XXS	XXS	XXS
Energy efficiency class [1]		A	A	A	A	A	A
Energy efficiency ηwh [1]	%	36	35	36	35	36	35
AEC annual electricity consumption [1]	kWh	514	525	508	524	510	523
Daily electricity consumption Qelec [2]	kWh	2,410	2,480	2,377	2,461	2,391	2,465
Thermostat temperature settings		"e" / "eco"	"e" / "eco"	"e" / "eco"	"e" / "eco"	"e" / "eco"	"e" / "eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory					
Value of smart		0	0	0	0	0	
Storage volume V	l	6,2	6,6	9,8	9,9	14,8	14,9
PURPOSE							
One or more outlets		+	+	+	+	+	+
Overbasin installation		+	-	+	-	+	-
Underbasin installation		-	+	-	+	-	+
DIMENSIONS OF CONNECTIONS							
Average thickness of insulation	mm	28	28	40	40	30	30
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	6,8/7,3/11,8	6,8/7,3/11,8	8/9/18	8/9/18	11/12/26	11/12/26
TECHNICAL CHARACTERISTICS							
Working pressure	MPa (bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+	+	+
Protective magnesium anode		+	+	+	+	+	+
Selection of temperature up to 75 °C		+	+	+	+	+	+
Protection against freezing		+	+	+	+	+	+
Heating element control lamp		+	+	+	+	+	+
Degree of protection		IP24	IP24	IP24	IP24	IP24	IP24
ELECTRICAL CONNECTIONS							
Rated power output	W	2000	2000	2000	2000	2000	2000
Voltage 230 V ~		+	+	+	+	+	+
Nominal current	A	8,7	8,7	8,7	8,7	8,7	8,7
FUNCTIONAL CHARATERISTICS							
Thermal losses at 65 °C [3]	kWh/24	0,35	0,35	0,48	0,48	0,62	0,62
Heating time from 10 to 65 °C		11min	11min	20min	20min	29min	29min
TRANSPORTATION DATA							
Packaging dimensions [WxDxH]	mm	300x300x440	300x300x440	300x400x530	300x400x530	350x400x530	350x400x530

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard).

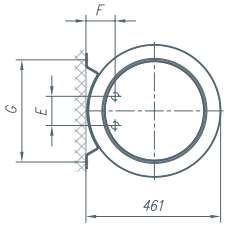


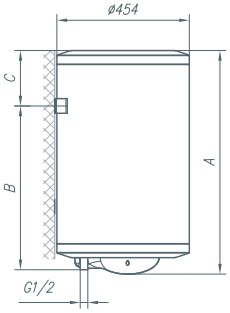
MODEL	MINI P 5	MINI PBT 5	MINI P 10	MINI PBT 10	MINI P 15	MINI PBT 15
A [mm]	396	396	500	500	500	500
B [mm]	270	-	398	-	398	-
C [mm]	-	144	-	122	-	122
D [mm]	256	256	350	350	350	350
E [mm]	260	260	265	265	310	310

Primary line

MODEL		PRIME 30	PRIME 50	PRIME 80	PRIME 100	PRIME 120	PRIME 150	PRIME 200
Declared load profile		S	M	M	L	L	XL	XL
Energy efficiency class [1]		C	C	C	C	C	C	D
Energy efficiency ηwh [1]	%	33	36	36	37	37	38	35
AEC annual electricity consumption [1]	kWh	558	1427	1428	2762	2770	4413	4756
Daily electricity consumption Qelec [2]	kWh	2,67	6,692	6,698	12,850	12,901	20,401	22,430
Thermostat temperature settings		"e" / "eco"	"e" / "eco"	"e" / "eco"	"e" / "eco"	"e" / "eco"	"e" / "eco"	"e" / "eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory						
Value of smart		0	0	0	0	0	0	0
Storage volume V	l	30,4	48,1	73,0	93,4	110,7	139,8	195,4
Mixed water at 40 °C V40 [2]	l	-	67	92	131	155	212	274
PURPOSE								
One or more outlets		+	+	+	+	+	+	+
Vertical wall mounting		+	+	+	+	+	+	+
DIMENSIONS OF CONNECTIONS								
Average thickness of insulation	mm	34	23	23	23	23	23	25
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	15,5/17,5/45,5	21/23/71	27/29/107	31/33/131	35/38/155	41/44/191	65/69/265
TECHNICAL CHARACTERISTICS								
Working pressure	MPa (bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+	+	+	+
Protective magnesium anode		+	+	+	+	+	+	+
Heating element control lamp		+	+	+	+	+	+	+
Thermometer		+	+	+	+	+	+	+
Degree of protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
ELECTRICAL CONNECTIONS								
Rated power output	W	2000	2000	2000	2000	2000	2000	2000
Voltage 230 V ~		+	+	+	+	+	+	+
Nominal current	A	8,7	8,7	8,7	8,7	8,7	8,7	8,7
FUNCTIONAL CHARATERISTICS								
Thermal losses at 65 °C [3]	kWh/24	0,90	0,98	1,32	1,72	1,84	2,26	2,80
Heating time from 10 to 65 °C		0h 59min	1h 34min	2h 20min	3h 10min	3h 46min	4h 42min	6h 32min
TRANSPORTATION DATA								
Packaging dimensions [WxDxH]	mm	488x498x495	488x498x595	488x498x800	488x498x960	488x498x1115	488x498x1330	600x600x1610

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard).





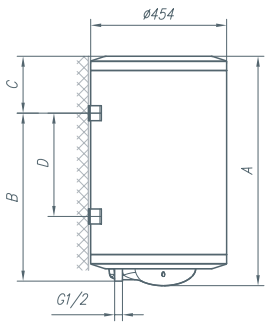
MODEL	PRIME 30	PRIME 50	PRIME 80	PRIME 100	PRIME 120	PRIME 150	PRIME 200*
A [mm]	459	576	781	941	1081	1296	1505
B [mm]	275	365	565	715	865	1065	1050
C [mm]	173	185	190	200	205	220	244
E [mm]	100	100	100	100	100	100	100
F [mm]	100	100	100	100	100	100	100
G [mm]	350	350	350	350	350	350	350

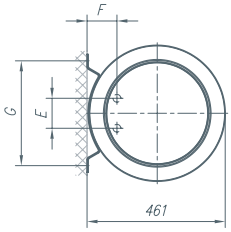
* Prime 200 has a diameter of 500 mm and depth of 507 mm

Primary line

MODEL		PRIME M 30	PRIME M 50	PRIME M 80	PRIME M 100	PRIME M 120	PRIME M 150	PRIME M 200
Declared load profile		S	M	M	L	L	XL	XL
Energy efficiency class [1]		C	C	C	C	C	C	D
Energy efficiency ηwh [1]	%	33	36	36	37	37	38	35
AEC annual electricity consumption [1]	kWh	558	1427	1428	2762	2770	4413	4756
Daily electricity consumption Qelec [2]	kWh	2,671	6,692	6,698	12,850	12,901	20,401	22,430
Thermostat temperature settings		"e" / "eco"	"e" / "eco"	"e" / "eco"	"e" / "eco"	"e" / "eco"	"e" / "eco"	"e" / "eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory						
Value of smart		0	0	0	0	0	0	0
Storage volume V	l	30,4	48,1	73,0	93,4	110,7	139,8	195,4
Mixed water at 40 °C V40 [2]	l	-	67	92	131	155	212	274
PURPOSE								
One or more outlets		+	+	+	+	+	+	+
Vertical wall mounting		+	+	+	+	+	+	+
DIMENSIONS OF CONNECTIONS								
Average thickness of insulation	mm	34	23	23	23	23	23	25
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	15,5/17,5/45,5	21/23/71	27/29/107	31/33/131	35/38/155	41/44/191	65/69/265
TECHNICAL CHARACTERISTICS								
Working pressure	MPa (bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+	+	+	+
Protective magnesium anode		+	+	+	+	+	+	+
Selection of temperature up to 65 °C		+	+	+	+	+	+	+
Heating element control lamp		+	+	+	+	+	+	+
Protection against freezing		+	+	+	+	+	+	+
Thermometer		+	+	+	+	+	+	+
Degree of protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
ELECTRICAL CONNECTIONS								
Rated power output	W	2000	2000	2000	2000	2000	2000	2000
Voltage 230 V ~		+	+	+	+	+	+	+
Nominal current	A	8,7	8,7	8,7	8,7	8,7	8,7	8,7
FUNCTIONAL CHARATERISTICS								
Thermal losses at 65 °C [3]	kWh/24	0,90	0,98	1,32	1,72	1,84	2,26	2,80
Heating time from 10 to 65 °C		0h 59min	1h 34min	2h 20min	3h 10min	3h 46min	4h 42min	6h 32min
TRANSPORTATION DATA								
Packaging dimensions [WxDxH]	mm	488x498x495	488x498x595	488x498x800	488x498x960	488x498x1115	488x498x1330	600x600x1610

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard).





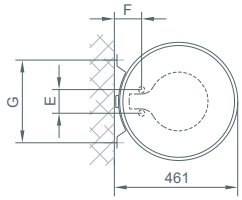
MODEL	PRIME M 30	PRIME M 50	PRIME M 80	PRIME M 100	PRIME M 120	PRIME M 150	PRIME M 200*
A [mm]	468	585	790	950	1090	1305	1514
B [mm]	275	365	565	715	865	1065	1050
C [mm]	173	185	190	200	205	220	444
D [mm]	-	-	-	-	-	-	800
E [mm]	100	100	100	100	100	100	100
F [mm]	100	100	100	100	100	100	100
G [mm]	350	350	350	350	350	350	350

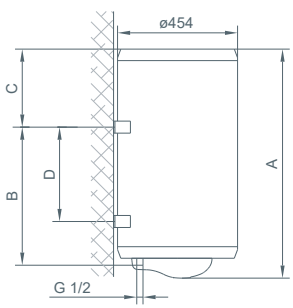
* Prime M 200 has a diameter of 500 mm and depth of 507 mm

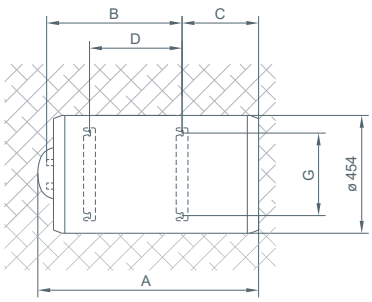
Primary line

MODEL		PRIME MU 50	PRIME MU 80	PRIME MU 100	PRIME MU 120	PRIME MU 150	PRIME MU 200
Declared load profile		M	M	L	L	XL	XL
Energy efficiency class [1]		C	C	C	C	C	D
Energy efficiency ηwh [1]	%	36	36	37	37	38	35
AEC annual electricity consumption [1]	kWh	1427	1428	2762	2770	4413	4782
Daily electricity consumption Qelec [2]	kWh	6,692	6,698	12,850	12,901	20,401	22,587
Thermostat temperature settings		"e" / "eco"	"e" / "eco"	"e" / "eco"	"e" / "eco"	"e" / "eco"	"e" / "eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory					
Value of smart		0	0	0	0	0	0
Storage volume V	l	48,1	73,0	93,4	110,7	139,8	195,4
Mixed water at 40 °C V40 [2]	l	66	76	130	142	211	254
PURPOSE							
One or more outlets		+	+	+	+	+	+
* Vertical wall mounting		+	+	+	+	+	+
Horizontal wall mounting		+	+	+	+	+	+
DIMENSIONS OF CONNECTIONS							
Average thickness of insulation	mm	23	23	23	23	23	25
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	21/23/71	27/29/107	31/33/131	35/38/155	41/44/191	65/69/265
TECHNICAL CHARACTERISTICS							
Working pressure	MPa (bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+	+	+
Protective magnesium anode		+	+	+	+	+	+
Selection of temperature up to 65 °C		+	+	+	+	+	+
Heating element control lamp		+	+	+	+	+	+
Protection against freezing		+	+	+	+	+	+
Thermometer		+	+	+	+	+	+
Degree of protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
ELECTRICAL CONNECTIONS							
Rated power output	W	2000	2000	2000	2000	2000	2000
Voltage 230 V ~		+	+	+	+	+	+
Nominal current	A	8,7	8,7	8,7	8,7	8,7	8,7
FUNCTIONAL CHARATERISTICS							
Thermal losses at 65 °C [3]	kWh/24	0,98	1,32	1,72	1,84	2,26	2,80
Heating time from 10 to 65 °C		1h 34min	2h 20min	3h 10min	3h 46min	4h 42min	6h 32min
TRANSPORTATION DATA							
Packaging dimensions [WxDxH]	mm	488x498x595	488x498x800	488x498x960	488x498x1115	488x498x1330	600x600x1610

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard), * information on water heating energy efficiency and annual electricity consumption relate only to the vertical wall mounting position.







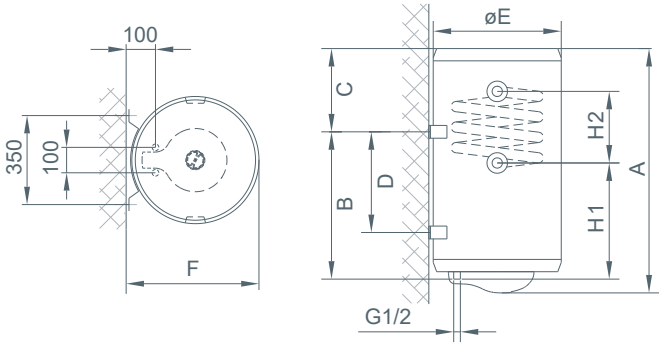
MODEL	PRIME MU 50	PRIME MU 80	PRIME MU 100	PRIME MU 120	PRIME MU 150	PRIME MU 200*
A [mm]	585	790	950	1090	1305	1514
B [mm]	365	565	715	865	1065	1050
C [mm]	185	190	200	205	220	444
D [mm]	145	345	495	645	845	800
E [mm]	100	100	100	100	100	100
F [mm]	100	100	100	100	100	100
G [mm]	350	350	350	350	350	350

* Prime MU 200 has a diameter of 500 mm and depth of 507 mm

Primary line

MODEL		PRIME CL/CR 80	PRIME CL/CR 100	PRIME CL/CR 120	PRIME CL/CR 150	PRIME CL/CR 200
Declared load profile		M	L	L	XL	XL
Energy efficiency class [1]		C	C	C	C	D
Energy efficiency ηwh [1]	%	36	37	37	38	35
AEC annual electricity consumption [1]	kWh	1428	2762	2770	4413	4756
Daily electricity consumption Qelec [2]	kWh	6,698	12,850	12,901	20,401	22,430
Thermostat temperature settings		"e" / "eco"	"e" / "eco"	"e" / "eco"	"e" / "eco"	"e" / "eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory				
Value of smart		0	0	0	0	0
Storage volume V	l	71,3	90,7	108,0	137,1	191,9
Mixed water at 40 °C V40 [2]	l	88	130	143	211	266
PURPOSE						
One or more outlets		+	+	+	+	+
Vertical wall mounting		+	+	+	+	+
DIMENSIONS OF CONNECTIONS						
Average thickness of insulation	mm	23	23	23	23	25
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Connections for heat exchanger		G 3/4	G 3/4	G 3/4	G 3/4	G 3/4
Net weight/with water	kg	32/110	38/135	42/159	48/195	72/269
TECHNICAL CHARACTERISTICS						
Working pressure	MPa (bar)	0,6 (6)/0,9 (9)	0,6 (6)/0,9 (9)	0,6 (6)/0,9 (9)	0,6 (6)/0,9 (9)	0,6 (6)/0,9 (9)
Enamelled steel tank		+	+	+	+	+
Protective magnesium anode		+	+	+	+	+
Selection of temperature up to 65 °C		+	+	+	+	+
Heating element control lamp		+	+	+	+	+
Protection against freezing		+	+	+	+	+
Thermometer		+	+	+	+	+
Degree of protection		IP 23	IP 23	IP 23	IP 23	IP 23
HEAT EXCHANGER						
Exchanger area	m^2	0,25	0,40	0,40	0,40	0,40
Exchange power in continuous mode (max. coil output) (4)	kW	5,35	10,55	10,55	10,55	10,55
Continuous flow rate of DHW at ΔT35 °C [4]	l/h	134	265	265	265	265
Max. pressure of the heating medium	MPa (bar)	0,6 (6)	0,6 (6)	0,6 (6)	0,6 (6)	0,6 (6)
Max. input temperature	°C	5 - 85	5 - 85	5 - 85	5 - 85	5 - 85
ELECTRICAL CONNECTIONS						
Rated power output	W	2000	2000	2000	2000	2000
Voltage 230 V ~		+	+	+	+	+
Nominal current	A	8,7	8,7	8,7	8,7	8,7
FUNCTIONAL CHARACTERISTICS						
Thermal losses at 65 °C [3]	kWh/24	1,32	1,72	1,84	2,26	2,80
Heating time from 10 to 65 °C el. heater		2h 20min	3h 10min	3h 46min	4h 42min	6h 32min
Heating time from 10 to 45 °C using heat exchanger [4]		37 min	24 min	28 min	35 min	47 min
TRANSPORTATION DATA						
Packaging dimensions [WxDxH]	mm	488x498x800	488x498x960	488x498x1115	488x498x1330	600x600x1610

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard), [4] Heating of sanitary water from 10°C to 45°C at inlet temperature of heat transfer fluid 80°C and flow rate 1000 l/h.

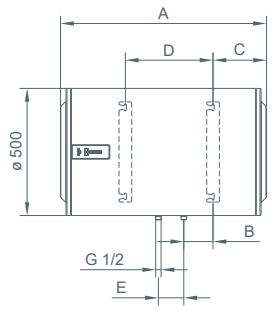


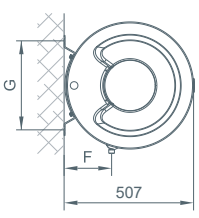
MODEL	PRIME CL / CR 80	PRIME CL / CR 100	PRIME CL / CR 120	PRIME CL / CR 150	PRIME CL / CR 200
A [mm]	790	950	1090	1305	1514
B [mm]	565	715	865	1065	1050
C [mm]	190	200	205	220	444
D [mm]	-	-	-	-	800
E [mm]	454	454	454	454	500
F [mm]	461	461	461	461	507
H1 [mm]	355	375	530	745	924
H2 [mm]	200	340	340	340	340

Primary line

MODEL		PRIME EH 80	PRIME EH 100	PRIME EH 120	PRIME EH 150
Declared load profile		M	M	L	L
Energy efficiency class		B	C	C	C
Energy efficiency ηwh [1]	%	39	37	39	39
AEC annual electricity consumption [1]	kWh	1309	1382	2605	2655
Daily electricity consumption Qelec [2]	kWh	7,028	7,320	13,774	14,157
Thermostat temperature settings		"eco"	"eco"	"eco"	"eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory			
* Value of smart		1	1	1	1
Weekly electricity consumption with smart control Qelec, week, smart	kWh	25,978	27,401	50,601	52,555
Weekly electricity consumption without smart control Qelec, week	kWh	30,445	31,202	58,445	60,876
Storage volume V	l	78,0	98,2	117,8	148,0
Mixed water at 40°C V40 [2]	l	105	124	150	170
PURPOSE					
One or more outlets		+	+	+	+
Vertical wall mounting		+	+	+	+
DIMENSIONS OF CONNECTIONS					
Average thickness of insulation	mm	40	40	40	40
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	33/36/113	38/41/138	43/47/163	49/54/199
TECHNICAL CHARACTERISTICS					
Working pressure	Mpa (bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+
Protective magnesium anode		+	+	+	+
Electronic control unit		+	+	+	+
On /Off key		+	+	+	+
Temperature range adjustment up to 75 °C		+	+	+	+
LED thermometer		+	+	+	+
Overheating protection		+	+	+	+
Dry fire protection		+	+	+	+
Setting to "freeze prevention"		+	+	+	+
Self-learning function		+	+	+	+
Indication of heating element operation		+	+	+	+
Indication of thermostat failure		+	+	+	+
Indication of over heating		+	+	+	+
Smart operation indicator		+	+	+	+
Degree of protection		IP24	IP24	IP24	IP24
ELECTRICAL CONNECTIONS					
Rated power output	W	2000	2000	2000	2000
Voltage 230 V ~		+	+	+	+
Nominal current	A	8,7	8,7	8,7	8,7
FUNCTIONAL CHARATERISTICS					
Thermal losses at 65 °C [3]	kWh/24	1,4	1,46	1,7	1,85
Heating time from 10 to 65 °C		2h 37min	3h 16min	3h 55min	4h 54min
TRANSPORTATION DATA					
Packaging dimensions [WxDxH]	mm	600x600x905	600x600x1050	600x600x1205	600x600x1420

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard), * information on water heating energy efficiency and annual electricity consumption relate to enabled smart control settings only



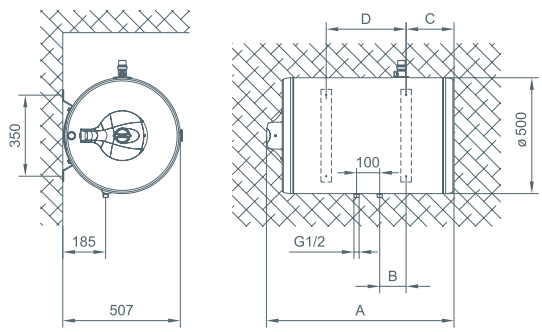


MODEL	PRIME EH 80	PRIME EH 100	PRIME EH 120	PRIME EH 150
A [mm]	811	955	1111	1326
B [mm]	115	193	265	358
C [mm]	210	205	210	225
D [mm]	345	495	645	845
E [mm]	100	100	100	100
F [mm]	185	185	185	185
G [mm]	350	350	350	350

Primary line

MODEL		PRIME MH 50	PRIME MH 80	PRIME MH 100	PRIME MH 120	PRIME MH 150
Declared load profile		M	M	M	L	L
Energy efficiency class		C	C	C	C	C
Energy efficiency ηwh [1]	%	36	36	36	37	37
AEC annual electricity consumption [1]	kWh	1419	1413	1421	2771	2757
Daily electricity consumption Qelec [2]	kWh	6,643	6,613	6,659	12,904	12,823
Thermostat temperature settings		eco	eco	eco	eco	eco
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory				
* Value of smart		-	-	-	-	0
Storage volume V	l	49,3	76,8	98,7	119,6	149,3
Mixed water at 40°C V40 [2]	l	65	96	121	128	163,5
PURPOSE						
One or more outlets		+	+	+	+	+
Horizontal wall mounting		+	+	+	+	+
DIMENSIONS OF CONNECTIONS						
Average thickness of insulation	mm	40	40	40	40	40
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	27/30/77	33/36/113	38/41/138	43/47/163	49/54/199
TECHNICAL CHARACTERISTICS						
Working pressure	MPa (bar)	0,6 (6) / 1 (10)	0,6 (6) / 1 (10)	0,6 (6) / 1 (10)	0,6 (6) / 1 (10)	0,6 (6) / 1 (10)
Enamelled steel tank		+	+	+	+	+
Protective magnesium anode		+	+	+	+	+
Selection of temperature up to 75°C		+	+	+	+	+
Heating element control lamp		+	+	+	+	+
Protection against freezing		+	+	+	+	+
Thermometer		+	+	+	+	+
Degree of protection		IP 23	IP 23	IP 23	IP 23	IP 23
ELECTRICAL CONNECTIONS						
Rated power output	W	2000	2000	2000	2000	2000
Voltage 230 V ~	/	+	+	+	+	+
Nominal current	A	8,7	8,7	8,7	8,7	8,7
FUNCTIONAL CHARACTERISTICS						
Thermal losses at 65°C [3]	kWh/24	1,13	1,4	1,46	1,7	1,85
Heating time from 10 to 65°C		1h 38min	2h 37min	3h 16min	3h 55min	4h 54min
TRANSPORTATION DATA						
Packaging dimensions	mm	600x600x682	600x600x905	600x600x1050	600x600x1205	600x600x1420

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard).

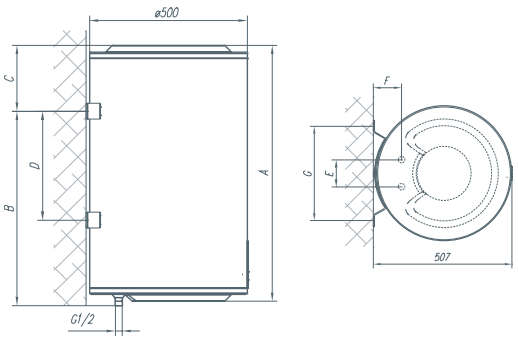


MODEL	PRIME MH 50	PRIME MH 80	PRIME MH 100	PRIME MH 120	PRIME MH 150
A [mm]	505	710	870	1025	1240
B [mm]	25	122,5	192,5	265	357,5
C [mm]	185	190	200	205	220
D [mm]	145	345	495	645	845

Economic line

MODEL		ECON M 30	ECON M 50	ECON M 80	ECON M 100	ECON M 120	ECON M 150	ECON M 200
Declared load profile		S	M	M	L	L	XL	XL
Energy efficiency class		C	C	C	C	C	C	D
Energy efficiency ηwh [1]	%	33	36	36	37	37	38	35
AEC annual electricity consumption [1]	kWh	558	1412	1421	2738	2755	4394	4756
Daily electricity consumption Qelec [2]	kWh	2,671	6,607	6,649	12,710	12,810	20,295	22,430
Thermostat temperature settings		"eco"	"eco"	"eco"	"eco"	"eco"	"eco"	"eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory						
* Value of smart		0	0	0	0	0	0	0
Storage volume V	l	30,4	47,0	76,1	96,1	116,4	145,5	194,9
Mixed water at 40°C V40 [2]	l		66	116	137	172	220	273
PURPOSE								
One or more outlets		+	+	+	+	+	+	+
Vertical wall mounting		+	+	+	+	+	+	+
DIMENSIONS OF CONNECTIONS								
Average thickness of insulation	mm	34	40	40	40	40	40	25
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	20/22/50	27/30/77	33/36/113	38/41/138	43/47/163	49/54/199	65/69/265
TECHNICAL CHARACTERISTICS								
Working pressure	Mpa (bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+	+	+	+
Protective magnesium anode		+	+	+	+	+	+	+
Electronic control unit		+	+	+	+	+	+	+
On /Off key		+	+	+	+	+	+	+
Temperature range adjustment up to 75 °C		+	+	+	+	+	+	+
LED thermometer		+	+	+	+	+	+	+
Overheating protection		+	+	+	+	+	+	+
Dry fire protection		+	+	+	+	+	+	+
Setting to "freeze prevention"		+	+	+	+	+	+	+
Self-learning function		+	+	+	+	+	+	+
Indication of heating element operation		+	+	+	+	+	+	+
Indication of thermostat failure		+	+	+	+	+	+	+
Indication of over heating		+	+	+	+	+	+	+
Smart operation indicator		+	+	+	+	+	+	+
Degree of protection		IP24	IP24	IP24	IP24	IP24	IP24	IP24
ELECTRICAL CONNECTIONS								
Number of heating elements x power	W	3x700	2x1000	2x1000	2x1000	2x1000	2x1000	2000
Rated power output	W	2100	2000	2000	2000	2000	2000	+
Voltage 230 V ~		+	+	+	+	+	+	
Nominal current	A	9,1	8,7	8,7	8,7	8,7	8,7	8,7
FUNCTIONAL CHARATERISTICS								
Thermal losses at 65°C [3]	kWh/24	0,9	1	1,2	1,33	1,55	1,64	2,8
Heating time from 10 to 65°C		0h 59min	1h 38min	2h 37min	3h 16min	3h 55min	4h 54min	6h 32min
TRANSPORTATION DATA								
Packaging dimensions [WxDxH]	mm	490x500x595	600x600x682	600x600x905	600x600x1050	600x600x1205	600x600x1420	600x600x1540

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard), * information on water heating energy efficiency and annual electricity consumption relate only to the vertical wall mounting position.



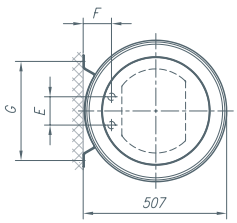
MODEL	ECON M 30*	ECON M 50	ECON M 80	ECON M 100	ECON M 120	ECON M 150	ECON M 200
A [mm]	535	590	810	955	1110	1325	1450
B [mm]	305	415	615	765	915	1115	1100
C [mm]	244	190	210	205	210	225	363
D [mm]	-	-	-	-	-	-	800
E [mm]	100	100	100	100	100	100	100
F [mm]	100	100	100	100	100	100	100
G [mm]	350	350	350	350	350	350	350

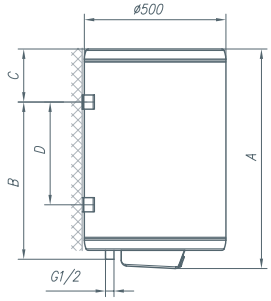
* Econ M 30 has a diameter of 454mm and depth of 461mm

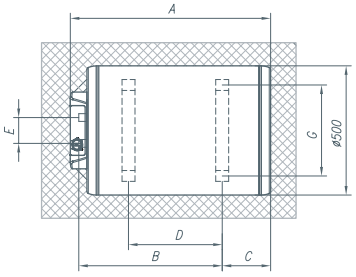
Economic line

MODEL		ECON MU 50	ECON MU 80	ECON MU 100	ECON MU 120	ECON MU 150	ECON MU 200
Declared load profile		M	M	L	L	XL	XL
Energy efficiency class		C	C	C	C	C	D
Energy efficiency ηwh [1]	%	36	36	37	37	38	35
AEC annual electricity consumption [1]	kWh	1412	1421	2738	2750	4395	4756
Daily electricity consumption Qelec [2]	kWh	6,607	6,649	12,710	12,860	20,295	22,430
Thermostat temperature settings		"eco"	"eco"	"eco"	"eco"	"eco"	"eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory					
Value of smart		0	0	0	0	0	0
Storage volume V	l	47,0	76,1	96,1	116,4	145,5	194,9
Mixed water at 40°C V40 [2]	l	66	116	137	172	220	273
PURPOSE							
One or more outlets		+	+	+	+	+	+
* Vertical wall mounting		+	+	+	+	+	+
Horizontal wall mounting		+	+	+	+	+	+
DIMENSIONS OF CONNECTIONS							
Average thickness of insulation	mm	40	40	40	40	40	25
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	27/30/77	33/36/113	38/41/138	43/47/163	49/54/199	65/69/265
TECHNICAL CHARACTERISTICS							
Working pressure	Mpa(bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+	+	+
Protective magnesium anode		+	+	+	+	+	+
Electronic control unit		+	+	+	+	+	+
On /Off key		+	+	+	+	+	+
Temperature range adjustment up to 75 °C		+	+	+	+	+	+
LED thermometer		+	+	+	+	+	+
Overheating protection		+	+	+	+	+	+
Dry fire protection		+	+	+	+	+	+
Setting to "freeze prevention"		+	+	+	+	+	+
Indication of heating element operation		+	+	+	+	+	+
Indication of thermostat failure		+	+	+	+	+	+
Indication of over heating		+	+	+	+	+	+
Degree of protection		IP 24	IP 24	IP 24	IP 24	IP 24	IP 24
ELECTRICAL CONNECTIONS							
Number of heating elements x power	W	2x1000	2x1000	2x1000	2x1000	2x1000	2x1000
Rated power output	W	2000	2000	2000	2000	2000	2000
Voltage 230 V ~		+	+	+	+	+	+
Nominal current	A	8,7	8,7	8,7	8,7	8,7	8,7
FUNCTIONAL CHARATERISTICS							
Thermal losses at 65°C [3]	kWh/24	1	1,2	1,33	1,55	1,64	2,8
Heating time from 10 to 65°C		1h 38min	2h 37min	3h 16min	3h 55min	4h 54min	6h 32min
TRANSPORTATION DATA							
Packaging dimensions [WxDxH]	mm	600x600x682	600x600x905	600x600x1050	600x600x1205	600x600x1420	600x600x1540

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard), * information on water heating energy efficiency and annual electricity consumption relate to enabled smart control settings only





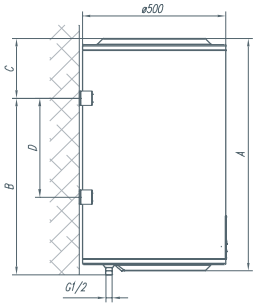


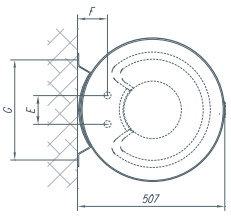
MODEL	ECON MU 50	ECON MU 80	ECON MU 100	ECON MU 120	ECON MU 150	ECON MU 200
A [mm]	590	810	955	1110	1325	1450
B [mm]	415	615	765	915	1115	1100
C [mm]	190	210	205	210	225	363
D [mm]	145	345	495	645	845	800
E [mm]	100	100	100	100	100	100
F [mm]	100	100	100	100	100	100
G [mm]	350	350	350	350	350	350

Economic line

MODEL		ECON E 30	ECON E 50	ECON E 80	ECON E 100	ECON E 120	ECON E 150
Declared load profile		S	M	M	L	L	XL
Energy efficiency class		B	B	B	C	C	C
Energy efficiency ηwh [1]	%	38	40	40	40	40	40
AEC annual electricity consumption [1]	kWh	489	1245	1261	2458	2469	4029
Daily electricity consumption Qelec [2]	kWh	2,690	6,607	6,649	12,710	12,861	20,493
Thermostat temperature settings		"eco"	"eco"	"eco"	"eco"	"eco"	"eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory					
* Value of smart		1	1	1	1	1	1
Weekly electricity consumption with smart control Qelec,week,smart	kWh	12,941	23,443	24,537	48,252	49,603	79,182
Weekly electricity consumption without smart controlQelec,week	kWh	15,355	27,566	28,563	55,483	57,360	89,499
Storage volume V	l	30,4	47,0	76,1	96,1	116,4	145,5
Mixed water at 40°C V40 [2]	l	-	66	116	137	172	220
PURPOSE							
One or more outlets		+	+	+	+	+	+
Vertical wall mounting		+	+	+	+	+	+
Horizontal floor mounting		+	+	+	+	+	+
DIMENSIONS OF CONNECTIONS							
Average thickness of insulation	mm	34	40	40	40	40	40
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	20/22/50	27/30/77	33/36/113	38/41/138	43/47/163	49/54/199
TECHNICAL CHARACTERISTICS							
Working pressure	Mpa(bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+	+	+
Protective magnesium anode		+	+	+	+	+	+
Electronic control unit		+	+	+	+	+	+
On /Off key		+	+	+	+	+	+
Temperature range adjustment up to 75 °C		+	+	+	+	+	+
LED thermometer		+	+	+	+	+	+
Overheating protection		+	+	+	+	+	+
Dry fire protection		+	+	+	+	+	+
Setting to "freeze prevention"		+	+	+	+	+	+
Self-learning function		+	+	+	+	+	+
Indication of heating element operation		+	+	+	+	+	+
Indication of thermostat failure		+	+	+	+	+	+
Indication of over heating		+	+	+	+	+	+
Smart operation indicator		+	+	+	+	+	+
Degree of protection		IP 24	IP 24	IP 24	IP 24	IP 24	IP 24
ELECTRICAL CONNECTIONS							
Number of heating elements x power	W	3x700	2x1000	2x1000	2x1000	2x1000	2x1000
Rated power output	W	2100	2000	2000	2000	2000	2000
Voltage 230 V ~		+	+	+	+	+	+
Nominal current	A	9,1	8,7	8,7	8,7	8,7	8,7
FUNCTIONAL CHARACTERISTICS							
Thermal losses at 65°C [3]	kWh/24	0,9	1	1,2	1,33	1,55	1,64
Heating time from 10 to 65°C		0h 59min	1h 38min	2h 37min	3h 16min	3h 55min	4h 54min
TRANSPORTATION DATA							
Packaging dimensions	mm	490x500x595	600x600x682	600x600x905	600x600x1050	600x600x1205	600x600x1420

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard).
* information on water heating energy efficiency and annual electricity consumption relate to enabled smart control settings only and vertical wall mounting position





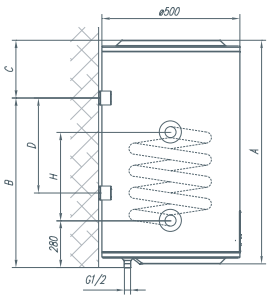
MODEL	ECON E 30*	ECON E 50	ECON E 80	ECON E 100	ECON E 120	ECON E 150
A [mm]	535	590	810	955	1110	1325
B [mm]	305	415	615	765	915	1115
C [mm]	244	190	210	205	210	225
D [mm]	-	-	-	-	-	-
E [mm]	100	100	100	100	100	100
F [mm]	100	100	100	100	100	100
G [mm]	350	350	350	350	350	350

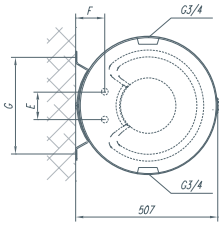
* Econ E 30 has a diameter of 454mm and depth of 461mm

Economic line

MODEL		ECON MCL / MCR 80	ECON MCL / MCR 100	ECON MCL / MCR 120	ECON MCL / MCR 150	ECON MCL / MCR 200
Declared load profile		M	L	L	XL	XL
Energy efficiency class		C	C	C	C	D
Energy efficiency ηwh [1]	%	36	37	37	38	35
AEC annual electricity consumption [1]	kWh	1421	2738	2750	4395	4756
Daily electricity consumption Qelec [2]	kWh	6,649	12,710	12,860	20,295	22,430
Thermostat temperature settings		"eco"	"eco"	"eco"	"eco"	"eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory				
* Value of smart		0	0	0	0	0
Storage volume V	l	72,6	92,5	112,9	141,5	188,9
Mixed water at 40°C V40 [2]	l	110	131	164	211	265
PURPOSE						
One or more outlets		+/+	+/+	+/+	+/+	+/+
Vertical wall mounting		+	+	+	+	+
DIMENSIONS OF CONNECTIONS						
Average thickness of insulation	mm	40	40	40	40	25
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Left/right connections for heat exchanger		G 3/4	G 3/4	G 3/4	G 3/4	G 3/4
Net/gross weight/with water [kg]	kg	51/54/131	56/59/156	62/66/182	72/76/222	90/95/290
TECHNICAL CHARACTERISTICS						
Working pressure	Mpa(bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+	+
Protective magnesium anode		+	+	+	+	+
Electronic control unit		+	+	+	+	+
On /Off key		+	+	+	+	+
Temperature range adjustment up to 75 °C		+	+	+	+	+
LED thermometer		+	+	+	+	+
Overheating protection		+	+	+	+	+
Dry fire protection		+	+	+	+	+
Setting to "freeze prevention"		+	+	+	+	+
Indication of heating element operation		+	+	+	+	+
Indication of thermostat failure		+	+	+	+	+
Indication of over heating		+	+	+	+	+
Degree of protection		IP 24	IP 24	IP 24	IP 24	IP 24
HEAT EXCHANGER						
Exchanger area	m^2	0,7	0,9	0,9	0,9	0,9
Volume	l	3,4	4,2	4,2	4,2	4,2
Exchange power in continuous mode (max. coil output) [4]	kW	18,75	27,07	27,07	27,07	27,07
Continuous flow rate of DHW at ΔT35°C [4]	l/h	470	679	679	679	679
Max. pressure of the heating medium	Mpa(bar)	0,6 (6)	0,6 (6)	0,6 (6)	0,6 (6)	0,6 (6)
Max. input temperature	°C	85	85	85	85	85
ELECTRICAL CONNECTIONS						
Number of heating elements x power	W	2x1000	2x1000	2x1000	2x1000	2x1000
Rated power output	W	2000	2000	2000	2000	2000
Voltage 230 V ~		+	+	+	+	+
Nominal current	A	8,7	8,7	8,7	8,7	8,7
FUNCTIONAL CHARATERISTICS						
Thermal losses at 65°C [3]	kWh/24	1,2	1,33	1,55	1,64	2,8
Heating time from 10 to 65°C with electricity		2h 37min	3h 16min	3h 55min	4h 54min	6h 32min
Heating time from 10 to 45°C using heat exchanger [4]		11 min	09 min	11 min	14 min	18 min
TRANSPORTATION DATA						
Packaging dimensions [WxDxH]	mm	600x600x905	600x600x1050	600x600x1205	600x600x1420	600x600x1540

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard), [4] Heating of sanitary water from 10°C to 45°C at inlet temperature of heat transfer fluid 80°C and flow rate 1000 l/h.



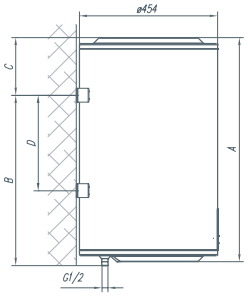


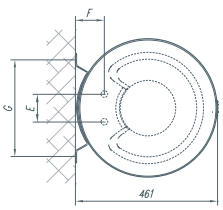
MODEL	ECON MCL / MCR 80	ECON MCL / MCR 100	ECON MCL / MCR 120	ECON MCL / MCR 150	ECON MCL / MCR 200
A [mm]	810	955	1110	1325	1450
B [mm]	615	765	915	1115	1100
C [mm]	210	205	210	225	363
D [mm]	-	-	-	-	800
E [mm]	100	100	100	100	100
F [mm]	100	100	100	100	100
G [mm]	350	350	350	350	350
H [mm]	340	416	416	416	416

Economic line

MODEL		ECON ES 50	ECON ES 80	ECON ES 100	ECON ES 120	ECON ES 150
Declared load profile		M	M	L	L	XL
Energy efficiency class		B	B	C	C	C
Energy efficiency ηwh [1]	%	39	39	40	40	40
AEC annual electricity consumption [1]	kWh	1309	1313	2542	2593	4179
Daily electricity consumption Qelec [2]	kWh	6,985	7,251	13,568	13,931	21,67
Thermostat temperature settings		"eco"	"eco"	"eco"	"eco"	"eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory				
* Value of smart		1	1	1	1	1
Weekly electricity consumption with smart control Qelec,week,smart	kWh	24,953	28,391	51,286	52,514	89,251
Weekly electricity consumption without smart control Qelec,week	kWh	29,071	34,226	60,245	61,737	101,722
Storage volume V	l	47,0	76,1	96,1	116,4	145,5
Mixed water at 40°C V40 [2]	l	66	116	137	172	213
PURPOSE						
One or more outlets		+	+	+	+	+
Vertical wall mounting		+	+	+	+	+
DIMENSIONS OF CONNECTIONS						
Average thickness of insulation	mm	17	17	17	17	17
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	24/27/74	30/32/110	34/36/134	41/43/161	50/52/200
TECHNICAL CHARACTERISTICS						
Working pressure	Mpa(bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+	+
Protective magnesium anode		+	+	+	+	+
Electronic control unit		+	+	+	+	+
On /Off key		+	+	+	+	+
Temperature range adjustment up to 75 °C		+	+	+	+	+
LED thermometer		+	+	+	+	+
Overheating protection		+	+	+	+	+
Dry fire protection		+	+	+	+	+
Setting to "freeze prevention"		+	+	+	+	+
Self-learning function		+	+	+	+	+
Indication of heating element operation		+	+	+	+	+
Indication of thermostat failure		+	+	+	+	+
Indication of over heating		+	+	+	+	+
Smart operation indicator		+	+	+	+	+
Degree of protection		IP 24	IP 24	IP 24	P 24	IP 24
ELECTRICAL CONNECTIONS						
Number of heating elements x power	W	2x1000	2x1000	2x1000	2x1000	2x1000
Rated power output	W	2000	2000	2000	2000	2000
Voltage 230 V ~		+	+	+	+	+
Nominal current	A	8,7	8,7	8,7	8,7	8,7
FUNCTIONAL CHARATERISTICS						
Thermal losses at 65°C [3]	kWh/24	1,32	1,85	2,2	2,6	3,2
Heating time from 10 to 65°C		1h 38min	2h 37min	3h 16min	3h 55min	4h 54min
TRANSPORTATION DATA						
Packaging dimensions [WxDxH]	mm	480x490x615	480x490x835	480x490x980	480x490x1135	480x490x1350

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard), * information on water heating energy efficiency and annual electricity consumption relate to enabled smart control settings only



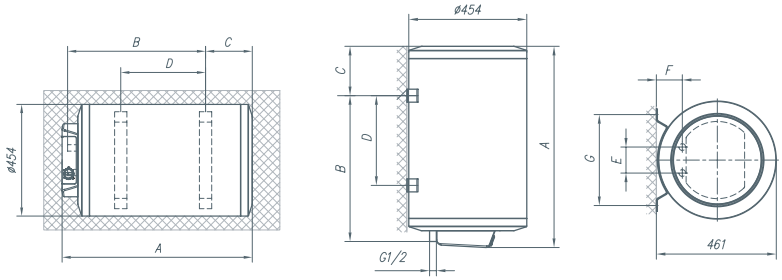


MODEL	ECON ES 50	ECON ES 80	ECON ES 100	ECON ES 120	ECON ES 150
A [mm]	601	821	966	1121	1336
B [mm]	365	565	715	865	1065
C [mm]	197	217	212	217	232
D [mm]	-	-	-	-	-
E [mm]	100	100	100	100	100
F [mm]	100	100	100	100	100
G [mm]	350	350	350	350	350

Economic line

MODEL		ECON ESU 50	ECON ESU 80	ECON ESU 100	ECON ESU 120	ECON ESU 150
Declared load profile		M	M	L	L	XL
Energy efficiency class		B	B	C	C	C
Energy efficiency ηwh [1]	%	39	39	40	40	40
AEC annual electricity consumption [1]	kWh	1309	1313	2542	2593	4179
Daily electricity consumption Qelec [2]	kWh	6,985	7,251	13,568	13,931	21,67
Thermostat temperature settings		"eco"	"eco"	"eco"	"eco"	"eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory				
* Value of smart		1	1	1	1	1
Weekly electricity consumption with smart control Qelec,week,smart	kWh	24,953	28,391	51,286	52,514	89,251
Weekly electricity consumption without smart control Qelec,week	kWh	29,071	34,226	60,245	61,737	101,722
Storage volume V	l	47,0	76,1	96,1	116,4	145,5
Mixed water at 40°C V40 [2]	l	66	116	137	172	213
PURPOSE						
One or more outlets		+	+	+	+	+
Vertical wall mounting		+	+	+	+	+
DIMENSIONS OF CONNECTIONS						
Average thickness of insulation	mm	17	17	17	17	17
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	24/27/74	30/32/110	34/36/134	41/43/161	50/52/200
TECHNICAL CHARACTERISTICS						
Working pressure	Mpa(bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+	+
Protective magnesium anode		+	+	+	+	+
Electronic control unit		+	+	+	+	+
On /Off key		+	+	+	+	+
Temperature range adjustment up to 75 °C		+	+	+	+	+
LED thermometer		+	+	+	+	+
Overheating protection		+	+	+	+	+
Dry fire protection		+	+	+	+	+
Setting to "freeze prevention"		+	+	+	+	+
Self-learning function		+	+	+	+	+
Indication of heating element operation		+	+	+	+	+
Indication of thermostat failure		+	+	+	+	+
Indication of over heating		+	+	+	+	+
Smart operation indicator		+	+	+	+	+
Degree of protection		IP 24	IP 24	IP 24	IP 24	IP 24
ELECTRICAL CONNECTIONS						
Number of heating elements x power	W	2x1000	2x1000	2x1000	2x1000	2x1000
Rated power output	W	2000	2000	2000	2000	2000
Voltage 230 V ~		+	+	+	+	+
Nominal current	A	8,7	8,7	8,7	8,7	8,7
FUNCTIONAL CHARATERISTICS						
Thermal losses at 65°C [3]	kWh/24	1,32	1,85	2,2	2,6	3,2
Heating time from 10 to 65°C		1h 38min	2h 37min	3h 16min	3h 55min	4h 54min
TRANSPORTATION DATA						
Packaging dimensions [WxDxH]	mm	480x490x615	480x490x835	480x490x980	480x490x1135	480x490x1350

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard), * information on water heating energy efficiency and annual electricity consumption relate to enabled smart control settings only and vertical wall mounting position.

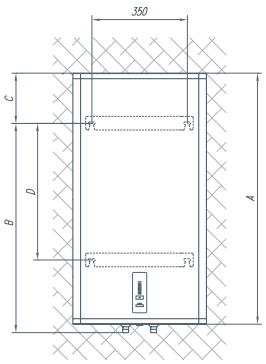


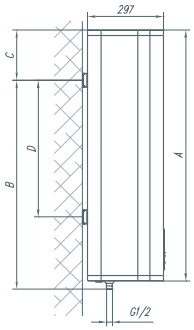
MODEL	ECON ESU 50	ECON ESU 80	ECON ESU 100	ECON ESU 120	ECON ESU 150
A [mm]	601	821	966	1121	1336
B [mm]	365	565	715	865	1065
C [mm]	197	217	212	217	232
D [mm]	145	345	495	645	845
E [mm]	100	100	100	100	100
F [mm]	100	100	100	100	100
G [mm]	350	350	350	350	350

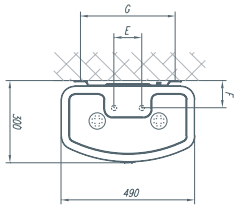
Superb line

MODEL		SUPR F 30	SUPR F 50	SUPR F 80	SUPR F 100
Declared load profile		S	M	M	L
Energy efficiency class		B	B	B	C
Energy efficiency ηwh [1]	%	36	40	40	40
AEC annual electricity consumption [1]	kWh	509	1270	1299	2572
Daily electricity consumption Qelec [2]	kWh	3,110	7,366	7,451	13,420
Thermostat temperature settings		"eco"	"eco"	"eco"	"eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory			
* Value of smart		1	1	1	1
Weekly electricity consumption with smart control Qelec,week,smart	kWh	13,390	24,728	25,385	50,140
Weekly electricity consumption without smart control Qelec,week	kWh	17,490	31,584	32,386	57,385
Storage volume V	l	28,3	48,7	77,9	98,1
Mixed water at 40°C V40 [2]	l	-	73	123	149
PURPOSE					
One or more outlets		+	+	+	+
* Vertical wall mounting		+	+	+	+
Horizontal wall mounting		-	+	+	+
DIMENSIONS OF CONNECTIONS					
Average thickness of insulation	mm	32	32	32	32
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	22/24/50,3	31/33,5/79,7	48/51/125,9	58/61,50/156,1
TECHNICAL CHARACTERISTICS					
Working pressure	Mpa (bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+
Protective magnesium anode		+	+	+	+
Electronic control unit		+	+	+	+
On /Off key		+	+	+	+
Temperature range adjustment up to 75 °C		+	+	+	+
LED thermometer		+	+	+	+
Overheating protection		+	+	+	+
Dry fire protection		+	+	+	+
Setting to "freeze prevention"		+	+	+	+
Self-learning function		+	+	+	+
Indication of heating element operation		+	+	+	+
Indication of thermostat failure		+	+	+	+
Indication of over heating		+	+	+	+
Smart operation indicator		+	+	+	+
Degree of protection		IP 24	IP 24	IP 24	IP 24
ELECTRICAL CONNECTIONS					
Rated power output	W	2000 W (1000+1000)	2000 W (1000+1000)	2600 W (1600+1000)	2600 W (1600+1000)
Voltage 230 V ~		+	+	+	+
Nominal current	A	8,7	8,7	11,3	11,3
FUNCTIONAL CHARATERISTICS					
Thermal losses at 65°C [3]	kWh/24	1,12	1,41	1,91	2,3
Heating time from 10 to 65°C		0h 59min	1h 38min	2h 01min	2h 31min
TRANSPORTATION DATA					
Packaging dimensions [WxDxH]	mm	350x560x715	350x560x1000	350x560x1440	350x560x1715

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard), * information on water heating energy efficiency and annual electricity consumption relate to enabled smart control settings only and vertical wall mounting position.





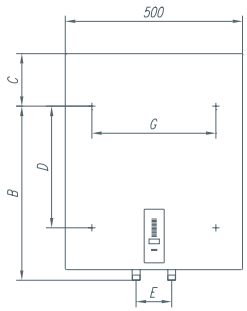


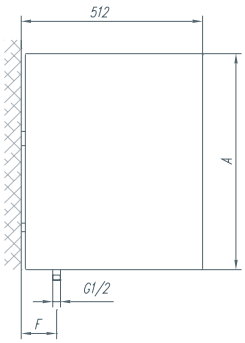
MODEL	SUPR F30	SUPR F50	SUPR F80	SUPR F100
A [mm]	635	920	1350	1635
B [mm]	515	765	1195	1365
C [mm]	150	185	185	300
D [mm]	250	500	930	1100
E [mm]	100	100	100	100
F [mm]	100	100	100	100
G [mm]	350	350	350	350

Superb line

MODEL		SUPR 30	SUPR 50	SUPR 80	SUPR 100	SUPR 120	SUPR 150
Declared load profile		S	M	M	L	L	XL
Energy efficiency class		B	C	C	C	C	C
Energy efficiency ηwh [1]	%	35	37	37	38	37	38
AEC annual electricity consumption [1]	kWh	525	1382	1393	2687	2762	4399
Daily electricity consumption Qelec [2]	kWh	2,48	6,425	6,490	12,410	12,850	20,322
Thermostat temperature settings		"eco"	"eco"	"eco"	"eco"	"eco"	"eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory					
* Value of smart		0	0	0	0	0	0
Storage volume V	l	29,1	49,1	78,8	98,1	118,9	147,1
Mixed water at 40°C V40 [2]	l		68	121	142	177	225
PURPOSE							
One or more outlets		+	+	+	+	+	+
Vertical wall mounting		+	+	+	+	+	+
DIMENSIONS OF CONNECTIONS							
Average thickness of insulation	mm	55 - 100	40 - 85	40 - 85	40 - 85	40 - 85	40 - 85
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	21/24/51	28/31/78	34/37/114	39/42/139	44/47/164	50/54/200
TECHNICAL CHARACTERISTICS							
Working pressure	Mpa(bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+	+	+
Protective magnesium anode		+	+	+	+	+	+
Electronic control unit		+	+	+	+	+	+
On /Off key		+	+	+	+	+	+
Temperature range adjustment up to 75 °C		+	+	+	+	+	+
LED thermometer		+	+	+	+	+	+
Overheating protection		+	+	+	+	+	+
Dry fire protection		+	+	+	+	+	+
Setting to "freeze prevention"		+	+	+	+	+	+
Indication of heating element operation		+	+	+	+	+	+
Indication of thermostat failure		+	+	+	+	+	+
Indication of over heating		+	+	+	+	+	+
Degree of protection		IP 24	IP 24	IP 24	IP 24	IP 24	IP 24
ELECTRICAL CONNECTIONS							
Number of heating elements x power	W	2000	2000	2000	2000	2000	2000
Voltage 230 V ~		+	+	+	+	+	+
Nominal current	A	8,7	8,7	8,7	8,7	8,7	8,7
FUNCTIONAL CHARATERISTICS							
Thermal losses at 65°C [3]	kWh/24	0,55	0,62	0,86	1,02	1,17	1,41
Heating time from 10 to 65°C		0h 59min	1h 38min	2h 37min	3h 16min	3h 55min	4h 54min
TRANSPORTATION DATA							
Packaging dimensions [WxDxH]	mm	580x605x620	580x605x720	580x605x940	580x605x1085	580x605x1240	580x605x1455

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard).



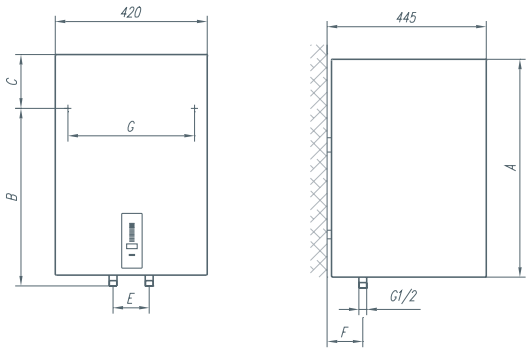


MODEL	SUPR 30	SUPR 50	SUPR 80	SUPR 100	SUPR 120	SUPR 150
A [mm]	510	610	830	975	1130	1345
B [mm]	310	400	600	750	900	1100
C [mm]	235	243	263	258	263	278
D [mm]	-	-	-	-	-	-
E [mm]	100	100	100	100	100	100
F [mm]	100	100	100	100	100	100
G [mm]	350	350	350	350	350	350

Superb line

MODEL		SUPR ES 30	SUPR ES 50	SUPR ES 80	SUPR ES 100	SUPR ES 120
Declared load profile		S	M	M	L	L
Energy efficiency class		B	B	B	C	C
Energy efficiency ηwh [1]	%	37	40	40	40	40
AEC annual electricity consumption [1]	kWh	496	1282	1296	2480	2554
Daily electricity consumption Qelec [2]	kWh	2,864	6,870	6,956	13,003	13,214
Thermostat temperature settings		"eco"	"eco"	"eco"	"eco"	"eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory				
* Value of smart		1	1	1	1	1
Weekly electricity consumption with smart control Qelec,week,smart	kWh	13,055	24,198	25,564	49,740	51,611
Weekly electricity consumption without smart control Qelec,week	kWh	16,215	28,501	30,049	57,832	58,689
Storage volume V	l	29,1	49,1	78,8	98,1	118,9
Mixed water at 40°C V40 [2]	l	-	68	121	142	177
PURPOSE						
One or more outlets		+	+	+	+	+
Vertical wall mounting		+	+	+	+	+
DIMENSIONS OF CONNECTIONS						
Average thickness of insulation	mm	20 - 60	20 - 60	20 - 60	20 - 60	20 - 60
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	19/21/49	24/26/74	31/33/111	36/38/136	41/43/161
TECHNICAL CHARACTERISTICS						
Working pressure	Mpa (bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+	+
Protective magnesium anode		+	+	+	+	+
Electronic control unit		+	+	+	+	+
On /Off key		+	+	+	+	+
Temperature range adjustment up to 75 °C		+	+	+	+	+
LED thermometer		+	+	+	+	+
Overheating protection		+	+	+	+	+
Dry fire protection		+	+	+	+	+
Setting to "freeze prevention"		+	+	+	+	+
Self-learning function		+	+	+	+	+
Indication of heating element operation		+	+	+	+	+
Indication of thermostat failure		+	+	+	+	+
Indication of over heating		+	+	+	+	+
Smart operation indicator		+	+	+	+	+
Degree of protection		IP 24	IP 24	IP 24	IP 24	IP 24
ELECTRICAL CONNECTIONS						
Rated power output	W	2000	2000	2000	2000	2000
Voltage 230 V ~		+	+	+	+	+
Nominal current	A	8,7	8,7	8,7	8,7	8,7
FUNCTIONAL CHARATERISTICS						
Thermal losses at 65°C [3]	kWh/24	0,69	0,94	1,3	1,54	1,79
Heating time from 10 to 65°C		0h 59min	1h 38min	2h 37min	3h 16min	3h 55min
TRANSPORTATION DATA						
Packaging dimensions [WxDxH]	mm	490x500x630	490x500x810	490x500x1070	490x500x1245	490x500x1420

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard), * information on water heating energy efficiency and annual electricity consumption relate to enabled smart control settings only

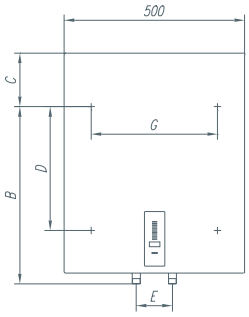


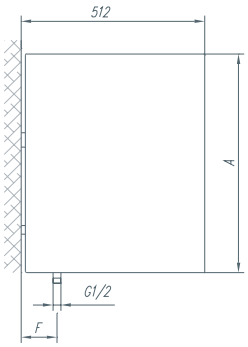
MODEL	SUPR ES 30	SUPR ES 50	SUPR ES 80	SUPR ES 100	SUPR ES 120
A [mm]	510	690	950	1125	1300
B [mm]	310	470	735	900	900
C [mm]	235	250	245	225	430
E [mm]	100	100	100	100	100
F [mm]	100	100	100	100	100
G [mm]	350	350	350	350	350

Superb line

MODEL		SUPR D 30	SUPR D 50	SUPR D 80	SUPR D 100	SUPR D 120	SUPR D 150
Declared load profile		S	M	M	L	L	XL
Energy efficiency class		B	C	C	C	C	C
Energy efficiency ηwh [1]	%	35	37	37	38	37	38
AEC annual electricity consumption [1]	kWh	525	1382	1393	2687	2739	4399
Daily electricity consumption Qelec [2]	kWh	2,460	6,425	6,490	12,410	12,715	20,322
Thermostat temperature settings		"eco"	"eco"	"eco"	"eco"	"eco"	"eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory					
* Value of smart		0	0	0	0	0	0
Storage volume V	l	28,3	48,3	78,0	97,3	118,1	147,1
Mixed water at 40°C V40 [2]	l	-	66	116	137	172	225
PURPOSE							
One or more outlets		+	+	+	+	+	+
Vertical wall mounting		+	+	+	+	+	+
DIMENSIONS OF CONNECTIONS							
Average thickness of insulation	mm	55 - 100	40 - 85	40 - 85	40 - 85	40 - 85	40 - 85
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	21/24/51	28/31/78	34/37/114	39/42/139	44/47/164	50/54/200
TECHNICAL CHARACTERISTICS							
Working pressure	Mpa(bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+	+	+
Protective magnesium anode		+	+	+	+	+	+
Electronic control unit		+	+	+	+	+	+
On /Off key		+	+	+	+	+	+
Temperature range adjustment up to 75 °C		+	+	+	+	+	+
LED thermometer		+	+	+	+	+	+
Overheating protection		+	+	+	+	+	+
Dry fire protection		+	+	+	+	+	+
Setting to "freeze prevention"		+	+	+	+	+	+
Indication of heating element operation		+	+	+	+	+	+
Indication of thermostat failure		+	+	+	+	+	+
Indication of over heating		+	+	+	+	+	+
Degree of protection		IP 24	IP 24	IP 24	IP 24	IP 24	IP 24
ELECTRICAL CONNECTIONS							
Number of heating elements x power	W	3 X 700	2 X1000	2 X1000	2 X1000	2 X1000	2 X1000
Rated power output	W	2100	2000	2000	2000	2000	2000
Voltage 230 V ~		+	+	+	+	+	+
Nominal current	A	9,1	8,7	8,7	8,7	8,7	8,7
FUNCTIONAL CHARATERISTICS							
Thermal losses at 65°C [3]	kWh/24	0,55	0,62	0,86	1,02	1,17	1,41
Heating time from 10 to 65°C		0h 59min	1h 38min	2h 37min	3h 16min	3h 55min	4h 54min
TRANSPORTATION DATA							
Packaging dimensions [WxDxH]	mm	580x605x620	580x605x720	580x605x940	580x605x1085	580x605x1240	580x605x1455

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard).



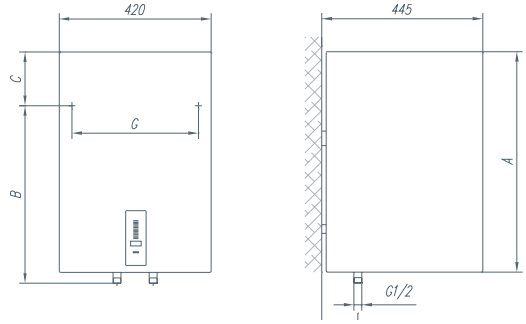


MODEL	SUPR D30	SUPR D50	SUPR D80	SUPR D100	SUPR D120	SUPR D150
A [mm]	510	610	830	975	1130	1345
B [mm]	310	400	600	750	900	1100
C [mm]	235	243	263	258	263	278
D [mm]	-	-	-	-	-	-
E [mm]	100	100	100	100	100	100
F [mm]	100	100	100	100	100	100
G [mm]	350	350	350	350	350	350

Superb line

MODEL		SUPR ESD 30	SUPR ESD 50	SUPR ESD 80	SUPR ESD 100	SUPR ESD 120
Declared load profile		S	M	M	L	L
Energy efficiency class		B	B	B	C	C
Energy efficiency ηwh [1]	%	37	40	40	40	40
AEC annual electricity consumption [1]	kWh	496	1282	1296	2480	2554
Daily electricity consumption Qelec [2]	kWh	2,864	6,870	6,956	13,003	13,214
Thermostat temperature settings		"eco"	"eco"	"eco"	"eco"	"eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory				
* Value of smart		1	1	1	1	1
Weekly electricity consumption with smart control Qelec,week,smart	kWh	13,055	24,198	25,564	49,740	51,611
Weekly electricity consumption without smart control Qelec,week	kWh	16,215	28,501	30,049	57,832	58,689
Storage volume V	l	28,3	48,3	78,0	97,3	118,1
Mixed water at 40°C V40 [2]	l	-	66	116	137	172
PURPOSE						
One or more outlets		+	+	+	+	+
Vertical wall mounting		+	+	+	+	+
DIMENSIONS OF CONNECTIONS						
Average thickness of insulation	mm	20 - 60	20 - 60	20 - 60	20 - 60	20 - 60
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	19/21/49	24/26/74	31/33/111	36/38/136	41/43/161
TECHNICAL CHARACTERISTICS						
Working pressure	Mpa (bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+	+
Protective magnesium anode		+	+	+	+	+
Electronic control unit		+	+	+	+	+
On /Off key		+	+	+	+	+
Temperature range adjustment up to 75 °C		+	+	+	+	+
LED thermometer		+	+	+	+	+
Overheating protection		+	+	+	+	+
Dry fire protection		+	+	+	+	+
Setting to "freeze prevention"		+	+	+	+	+
Self-learning function		+	+	+	+	+
Indication of heating element operation		+	+	+	+	+
Indication of thermostat failure		+	+	+	+	+
Indication of over heating		+	+	+	+	+
Smart operation indicator		+	+	+	+	+
Degree of protection		IP 24	IP 24	IP 24	IP 24	IP 24
ELECTRICAL CONNECTIONS						
Number of heating elements x power	W	3 x 700	2 x 1000	2 x 1000	2 x 1000	2 x 1000
Rated power output	W	2100	2000	2000	2000	2000
Voltage 230 V ~		+	+	+	+	+
Nominal current	A	9,1	8,7	8,7	8,7	8,7
FUNCTIONAL CHARATERISTICS						
Thermal losses at 65°C [3]	kWh/24	0,69	0,94	1,3	1,54	1,79
Heating time from 10 to 65°C		0h 59min	1h 38min	2h 37min	3h 16min	3h 55min
TRANSPORTATION DATA						
Packaging dimensions [WxDxH]	mm	490x500x630	490x500x810	490x500x1070	490x500x1245	490x500x1420

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard), * information on water heating energy efficiency and annual electricity consumption relate to enabled smart control settings only

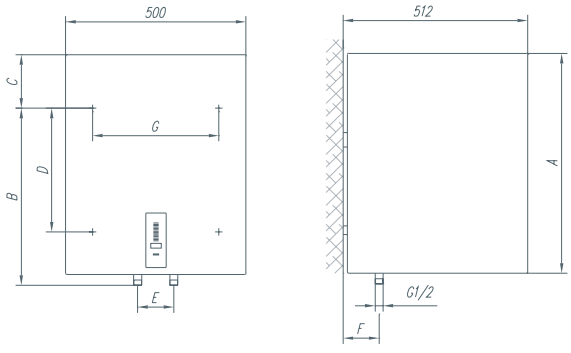


MODEL	SUPR ESD 30	SUPR ESD 50	SUPR ESD 80	SUPR ESD 100	SUPR ESD 120
A [mm]	510	690	950	1125	1300
B [mm]	310	470	735	900	900
C [mm]	235	250	245	225	430
E [mm]	100	100	100	100	100
F [mm]	100	100	100	100	100
G [mm]	350	350	350	350	350

Superb line

MODEL		SUPR ED 30	SUPR ED 50	SUPR ED 80	SUPR ED 100	SUPR ED 120	SUPR ED 150
Declared load profile		S	M	M	L	L	XL
Energy efficiency class		A	B	B	C	C	C
Energy efficiency ηwh [1]	%	38	40	40	40	40	40
AEC annual electricity consumption [1]	kWh	483	1241	1227	2462	2505	4001
Daily electricity consumption Qelec [2]	kWh	2,601	6,424	6,471	12,410	12,715	20,401
Thermostat temperature settings		"eco"	"eco"	"eco"	"eco"	"eco"	"eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory					
* Value of smart		1	1	1	1	1	1
Weekly electricity consumption with smart control Qelec, week, smart	kWh	12,641	23,119	24,179	47,414	48,914	78,282
Weekly electricity consumption without smart control Qelec,week	kWh	14,755	26,566	28,411	53,133	54,888	88,899
Storage volume V	l	28,3	48,3	78,0	97,3	118,1	147,1
Mixed water at 40°C V40 [2]	l	-	66	116	137	172	225
PURPOSE							
One or more outlets		+	+	+	+	+	+
Vertical wall mounting		+	+	+	+	+	+
DIMENSIONS OF CONNECTIONS							
Average thickness of insulation	mm	55 - 100	40 - 85	40 - 85	40 - 85	40 - 85	40 - 85
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	21/24/51	28/31/78	34/37/114	39/42/139	44/47/164	50/54/200
TECHNICAL CHARACTERISTICS							
Working pressure	Mpa (bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+	+	+
Protective magnesium anode		+	+	+	+	+	+
Electronic control unit		+	+	+	+	+	+
On /Off key		+	+	+	+	+	+
Temperature range adjustment up to 75 °C		+	+	+	+	+	+
LED thermometer		+	+	+	+	+	+
Overheating protection		+	+	+	+	+	+
Dry fire protection		+	+	+	+	+	+
Setting to "freeze prevention"		+	+	+	+	+	+
Self-learning function		+	+	+	+	+	+
Indication of heating element operation		+	+	+	+	+	+
Indication of thermostat failure		+	+	+	+	+	+
Indication of over heating		+	+	+	+	+	+
Smart operation indicator		+	+	+	+	+	+
Degree of protection		IP 24	IP 24	IP 24	IP 24	IP 24	IP 24
ELECTRICAL CONNECTIONS							
Number of heating elements x power	W	3 X 700	2 X1000	2 X1000	2 X1000	2 X1000	2 X1000
Rated power output	W	2100	2000	2000	2000	2000	2000
Voltage 230 V ~		+	+	+	+	+	+
Nominal current	A	9,1	8,7	8,7	8,7	8,7	8,7
FUNCTIONAL CHARATERISTICS							
Thermal losses at 65°C [3]	kWh/24	0,55	0,62	0,86	1,02	1,17	1,41
Heating time from 10 to 65°C		0h 59min	1h 38min	2h 37min	3h 16min	3h 55min	4h 54min
TRANSPORTATION DATA							
Packaging dimensions [WxDxH]	mm	580x605x620	580x605x720	580x605x940	580x605x1085	580x605x1240	580x605x1455

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard), * information on water heating energy efficiency and annual electricity consumption relate to enabled smart control settings only

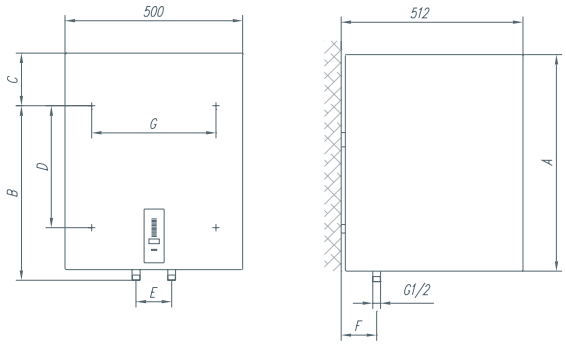


MODEL	SUPR ED 30	SUPR ED 50	SUPR ED 80	SUPR ED 100	SUPR ED 120	SUPR ED 150
A [mm]	510	610	830	975	1130	1345
B [mm]	310	400	600	750	900	1100
C [mm]	235	240	260	255	260	275
D [mm]	-	-	-	-	-	-
E [mm]	100	100	100	100	100	100
F [mm]	100	100	100	100	100	100
G [mm]	350	350	350	350	350	350

Superb line

MODEL		SUPR Z 50	SUPR Z 80	SUPR Z 100	SUPR Z 120	SUPR Z 150
Declared load profile		M	M	L	L	XL
Energy efficiency class [1]		B	B	C	C	C
Energy efficiency ηwh [1]	%	40	40	40	40	40
AEC annual electricity consumption [1]	kWh	1241	1226	2461	2505	4001
Daily electricity consumption Qelec [2]	kWh	6,424	6,471	12,410	12,715	20,401
Thermostat temperature settings		"eco"	"eco"	"eco"	"eco"	"eco"
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory				
* Value of smart		1	1	1	1	1
Weekly electricity consumption with smart control Qelec,week,smart	kWh	23,119	24,179	47,414	48,914	88,899
Weekly electricity consumption without smart control Qelec,week	kWh	26,566	28,411	53,133	54,888	78,282
Storage volume V	l	48,3	78,0	97,3	118,1	147,1
Mixed water at 40°C V40 [2]	l	66	116	137	172	225
PURPOSE						
One or more outlets		+	+	+	+	+
Vertical wall mounting		+	+	+	+	+
DIMENSIONS OF CONNECTIONS						
Average thickness of insulation	mm	40 - 85	40 - 85	40 - 85	40 - 85	40 - 85
Connections to the supply network		G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net/gross weight/with water	kg	30/33/80	36/39/116	41/44/141	46/49/166	52/56/202
TECHNICAL CHARACTERISTICS						
Working pressure	Mpa (bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
Enamelled steel tank		+	+	+	+	+
Protective magnesium anode		+	+	+	+	+
Electronic control unit		+	+	+	+	+
On /Off key		+	+	+	+	+
Temperature range adjustment up to 75 °C		+	+	+	+	+
LED thermometer		+	+	+	+	+
Overheating protection		+	+	+	+	+
Dry fire protection		+	+	+	+	+
Setting to "freeze prevention"		+	+	+	+	+
Self-learning function		+	+	+	+	+
Indication of heating element operation		+	+	+	+	+
Indication of thermostat failure		+	+	+	+	+
Indication of over heating		+	+	+	+	+
Smart operation indicator		+	+	+	+	+
Degree of protection		IP 24	IP 24	IP 24	IP 24	IP 24
ELECTRICAL CONNECTIONS						
Number of heating elements x power	W	6 X 1000	6 X 1000	6 X 1000	6 X 1000	6 X 1000
Rated power output	KW	2; 4; 6				
Voltage		3/N/PE, 2/N/PE 400V~; 1/N/PE 230V~; 50 Hz				
FUNCTIONAL CHARATERISTICS						
Thermal losses at 65°C [3]	kWh/24	0,62	0,86	1,02	1,17	1,41
Heating time from 10 to 65°C [4]		1h 38min	2h 37min	3h 16min	3h 55min	4h 54min
TRANSPORTATION DATA						
Packaging dimensions [WxDxH]	mm	580x605x720	580x605x940	580x605x1085	580x605x1240	580x605x1455

[1] EU Regulation 812/2013 ; EN 50440, [2] EN 50440, [3] Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard). [4] The time for heating in standard mode at 2 kW rated power. * information on water heating energy efficiency and annual electricity consumption relate to enabled smart control settings only

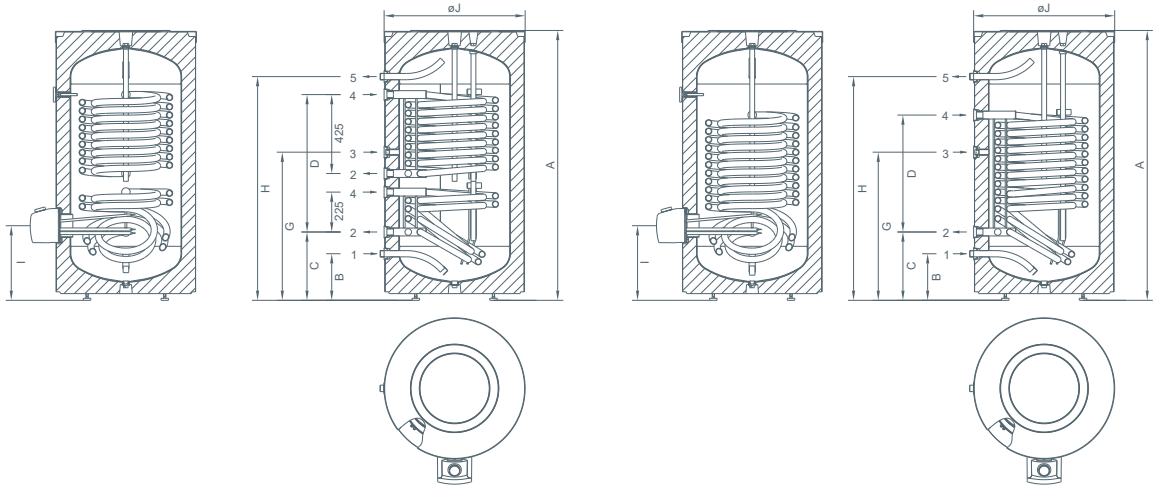


MODEL	SUPR Z50	SUPR Z80	SUPR Z100	SUPR Z120	SUPR Z150
A [mm]	610	830	975	1130	1345
B [mm]	400	600	750	900	1100
C [mm]	240	260	255	260	275
D [mm]	-	-	-	-	-
E [mm]	100	100	100	100	100
F [mm]	100	100	100	100	100
G [mm]	350	350	350	350	350

Space line

MODEL		SPACE A1 200	SPACE A3 200	SPACE B1 300	SPACE B2 300	SPACE 300	SPACE 2C 300	SPACE 400
Energy efficiency class [1]		C	B	C	C	B	B	B
Standing loss S [2]	W	71	58	89	89	68	68	72
Storage volume	l	184	190	276	262	284	284	396
DIMENSIONS OF CONNECTIONS								
Total height	mm	1535	1675	1590	1590	1450	1450	1920
Diameter	mm	570	670	670	670	750	750	750
Depth	mm	695	795	795	795	875	875	875
Connections to the supply network		G3/4	G3/4	G 1	G 1	G 1	G 1	G 1
Dimension of heat exchanger connection		G 1	G 1	G 1	G 1 1/4	G 1 1/4	G 1 1/4	G 1 1/4
Net/gross weight/with water	kg	97/107/281	115/125/305	140/150/416	165/175/427	155/169/439	150/164/434	215/229/611
TECHNICAL CHARACTERISTICS								
Enamelled steel tank (*)		+	+	+	+	+	+	+
Protective Mg anode		+	+	+	+	+	+	+
Average thickness of insulation	mm	60	110	67	67	75	75	75
Degree of protection		IP 24	IP 24	IP 24	IP 24	IP 24	IP 24	IP 24
Heat exchanger surface	m^2	2	2,3	2,5	4	3,4	2,4 +1	6,1
Heat exchanger volume	l	12,2	13,0	14,7	22,3	18,2	13 + 5	35,3
Exchange power in continuous mode (max. coil output) [3]	kW	56,2	64,6	66,8	106,8	90,8	64,1 + 26,7	121,6
Continous output ΔT=35K [3]	l/hour	1380	1587	1641	2625	2231	1575 + 656	2989
Working pressure storage tank	Mpa(bar)	0,6 (6) / 0,9 (9)/ 1(10)	0,6 (6) / 0,9 (9)/ 1(10)	0,6 (6) / 0,9 (9)/ 1(10)	0,6 (6) / 0,9 (9)/ 1(10)	0,6 (6) / 0,9 (9)/ 1(10)	0,6 (6) / 0,9 (9)/ 1(10)	0,6 (6) / 0,9 (9)/ 1(10)
Working pressure heat exchanger	Mpa(bar)	1,2 (12)	1,2 (12)	1,2 (12)	1,2 (12)	1,2 (12)	1,2 (12)	1,2 (12)
El. resistance heating power	kW	3	3	3	3	3	3	3
Voltage 230 V ~		+	+	+	+	+	+	+
Max. water temperature storage tank	°C	85	85	85	85	85	85	85
Max. water temperature heat exchenger	°C	95	95	95	95	95	95	95
Thermal losses [2]	kWh/24	1,7	1,4	2,1	2,1	1,6	1,6	1,7
TRANSPORTATION DATA								
Packaging dimensions [WxDxH]	mm	800x800x1730	800x800x1870	800x800x1785	800x800x1785	900x900x1640	900x900x1640	900x900x2110

[1] EU Regulation 812/2013 ; EN 50440, [2] Tested according to EN 12897:2006 or EN 60379:2005 [3] Heating of sanitary water from 10°C to 45°C at inlet temperature of heat transfer fluid 80°C and flow rate 3000 l/h. * Enameled according to DIN 4753

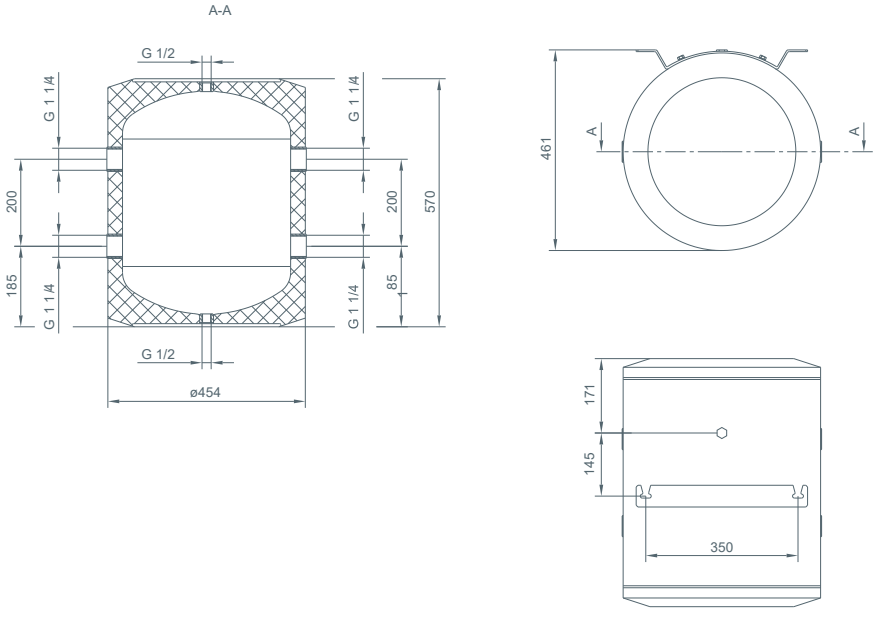


MODEL	SPACE A1 200	SPACE A3 200	SPACE B1 300	SPACE B2 300	SPACE 300	SPACE 2C 300	SPACE 400
A [mm]	1535	1675	1590	1590	1450	1450	1920
B [mm]	180	220	175	175	250	250	250
C [mm]	300	340	270	270	370	370	370
D [mm]	880	1015	890	890	610	740	1070
G [mm]	780	945	740	740	800	800	990
H [mm]	1355	1435	1410	1410	1205	1205	1675
I [mm]	365	405	320	340	400	400	400
J [mm]	580	680	680	680	760	760	760
1	G 3/4	G 3/4	G1	G1	G1	G1	G1
2	G1	G1	G1	G5/4	G5/4	G5/4	G5/4
3	G 3/4	G 3/4	G 3/4	G 3/4	G3/4	G3/4	G3/4
4	G1	G1	G1	G5/4	G5/4	G5/4	G5/4
5	G 3/4	G 3/4	G1	G1	G1	G1	G1

Buffer line

MODEL		BUFFER 50	Buffer 100
Energy efficiency class [1]		C	C
Standing loss S [2]	W	46	67
Storage volume	l	51	102
DIMENSIONS OF CONNECTIONS			
Height	mm	570	1010
Diameter	mm	Φ454	Φ454
Heating water inlet		G1 1/4	G1 1/4
Heating water outlet		G1 1/4	G1 1/4
Net/gross weight/with water	kg	16,5/18,5/66,50	29/31/131
TECHNICAL CHARACTERISTICS			
Working pressure	MPa (bar)	0,6 (6) / 1 (10)	0,6 (6) / 1 (10)
Max. watter temperature	°C	95	95
Non-enameled steel tank		+	+
Average thickness of insulation	mm	33	33
ACCESSORIES			
Air vent pot with valve G ½		+	+
Discharge ball valve		+	+
Tap G1 1/4-ZN 2 pcs		+	+
TRANSPORTATION DATA			
Packaging dimensions	mm	480x490x595	480x490x1100

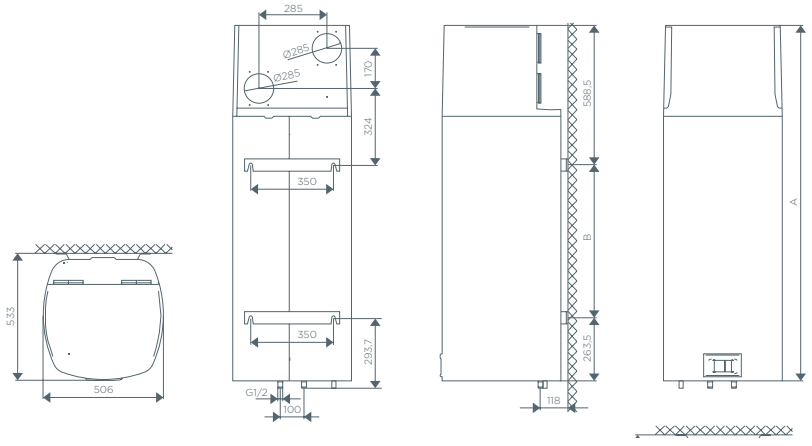
[1] EU Regulation 812/2013 ; EN 50440 [2] Tested according to EN 12897:2006 or EN 60379:2005



DHW line

MODEL		DHW 80 / DHW LT	DHW 100 / DHW LT 100	DHW 120 / DHW LT 120
Declared load profile		M	M	M
Energy efficiency class [1]		A+	A+	A+
Energy efficiency ηwh [1]	%	111	111	112
AEC annual electricity consumption_ACC [1]	kWh	461	464	459
Daily electricity consumption Qelec_ACC [2]	kWh	2,205	2,225	2,240
Thermostat temperature settings	°C	55	55	55
Sound power level LWA, indoors /Sound Pressure on 1m [3]	dB(A)	51 / 39,5	51 / 39,5	51 / 39,5
Specific precautions (assembly, install, maintain)		When connected as pressurised, use of safety valve is mandatory		
Value of smart		0	0	0
Storage volume V	l	78,2	97,9	117,6
Mixed water at 40°C V40 [2]	l	90	130	142
TECHNICAL CHARACTERISTICS				
Heating up Period A15 / W10-55 *	h:min	04:40	05:40	06:40
Heating up Period A7 / W10-55 **	h:min	05:20	06:50	08:41
Energy consuption by choosen cyclus A15 / W10-55 *	kWh	2,04	2,05	2,08
Energy consuption by choosen cyclus A7 / W10-55 **	kWh	2,45	2,35	2,51
COP_{DHW} (A15 / W10-55) EN 16147 *		3,10	3,10	3,10
COP_{DHW} (A7 / W10-55) EN 16147 **		2,65	2,63	2,61
Standby power input according to EN16147	W	19	20	27
Refrigiant***		R134a (GWP 1430)	R134a (GWP 1430)	R134a (GWP 1430)
Quantty of refrigiant	kg	0,540	0,540	0,540
Working range - air temparature	°C	-7 / +35 (+ 7 / + 35)	-7 / +35 (+ 7 / + 35)	-7 / +35 (+ 7 / + 35)
Working Air Flow	m³/h	100-230	100-230	100-230
Pressure Drop by 150m³/h (60%/80%)	Pa	70 (90)	70 (90)	70 (90)
ELECTRICAL SPECIFICATIONS				
Nominal electrical power -compressor	W	250	250	250
Maximum power consumption	W	2350	2350	2350
Number of el.heaters x power	W	2 x 1000	2 x 1000	2 x 1000
Voltage/Frequecy	V/Hz	230/50	230/50	230/50
Electric protection	A	16	16	16
Protection		IP24	IP24	IP24
STORAGE TANK				
Enamelled steel / Protection Mg anode		+/+	+/+	+/+
Working pressure	Mpa (bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
MAX TEMPERATURE				
Hot water tank heat pump	°C	55	55	55
Hot water tank electric heater	°C	75	75	75
CONNECTION DIMENSIONS				
Average thickness of insulation	mm	50	50	50
Connections to the watter supply network		G 1/2	G 1/2	G 1/2
Dimensions of air connections	mm/m	Ø125 (150x70) /10	Ø125 (150x70) /10	Ø125 (150x70) /10
Netto/gross/with watter	kg	58 / 61 /138	62 / 65 /162	68 / 71 / 188
TRANSPORTATION DATA				
Packaging dimensions	mm	575x600x1365	575x600x1510	575x600x1665

[1] EU Regulation 812/2013 ; EN 16147:2011 , Average Climate Conditions (ACC) [2] EN 16147:2011 [3] EN 12102:2013 (*) by air inlet temperature of 15 °C, 74% humidity and 10 °C water on beginning heated up till 55 °C regarding to EN16147 (**) by air inlet temperature of 7 °C, 89% humidity and 10 °C water on beginning heated up till 55 °C regarding to EN16147 (***) This product contains fluorinated greenhouse gases. Hermetically sealed.

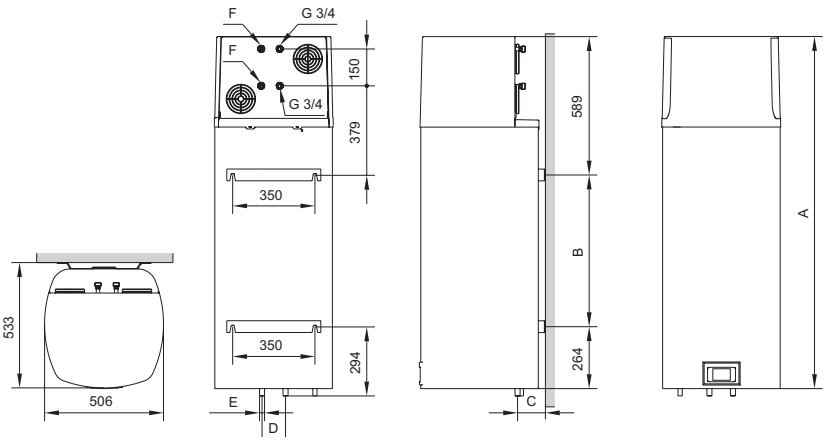


MODEL	DHW LT 80	DHW LT 100	DHW LT 120
A [mm]	1197	1342	1497
B [mm]	345	490	645

DHW line

MODEL		DHW W 100	DHW W 120	DHW WR 120
Declared load profile		M	M	M
Energy efficiency class [1]		A+	A+	A+
Energy efficiency ηwh [1]	%	141	134	131
AEC annual electricity consumption _AC [1]	kWh	364	383	393
Daily electricity consumption Qelec_ACC [2]	kWh	1,715	1,808	1,866
Thermostat temperature settings	°C	55	55	55
Sound power level LWA, indoors	dB(A)	51	51	51
Storage volume V	l	97,9	119,5	117,0
Mixed water at 40°C V40 [2]	l	116	157	153
TECHNICAL CHARACTERISTICS				
Heating up Period W25 / W10-55 [2]	h:min	03:25	04:42	04:19
Heating up energy input W25 / W10-55 [2]	kWh	0,78	1,14	1,15
Energy consuption by choosen cyclus W25 / W10-55 [2]	kWh	1,32	1,40	1,46
COP_{DHW} (W25 / W10-55) EN 16147 [2]		4,45	4,20	4,03
Standby power input according to EN16147 [2]	W	10	10	11
Refrigiant		R134a (GWP 1430)	R134a (GWP 1430)	R134a (GWP 1430)
Quantty of refrigiant	kg	0,550	0,550	0,550
Operating range - heating water temparature	°C	+12 / +40	+12 / +40	+12 / +40
Working Water Flow	l/h	200	200	200
ELECTRICAL SPECIFICATIONS				
Nominal electrical power -compressor	W	200	200	200
Maximum power consumption	W	2380	2380	2400
Number of el.heaters x power	W	2x1000	2x1000	2x1000
Voltage/Frequecy	V/Hz	230/50	230/50	230/50
Electric protection	A	16	16	16
Protection		IP24	IP24	IP24
STORAGE TANK				
Enamelled steel / Protection Mg anode		+/+	+/+	+/+
Working pressure	Mpa (bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
MAX. TEMPERATURE				
Hot water tank_ heat pump	°C	65	65	65
Hot water tank_ electric heater	°C	75	75	75
DIMENSIONS AND CONNECTION				
Height	mm	1342	1497	1497
Width	mm	506	506	506
Depth	mm	533	533	533
Connections to the watter supply network		G1/2	G1/2	G1/2
Connections water source and radiator		G3/4	G3/4	G3/4
Max. conection lenght - Radiator	m	/	/	8
Internal pressure drop - source	kPa (bar)	0,8 (0,08)	0,8 (0,08)	0,8 (0,08)
Netto/gross/with watter	kg	62 / 65 /162	68 / 71 / 188	77,5 / 80,5 / 195
TRANSPORTATION DATA				
Packaging dimensions	mm	575x600x1510	575x600x1665	575x600x1665

[1] by water source temparature of 10 °C and 10 °C watter on beginning heated up till 55 °C regarding to EN16147 and commission communication (2014/C 207/03), [2] by water source temparature of 25 °C and 10 °C watter on beginning heated up till 55 °C regarding to EN16147

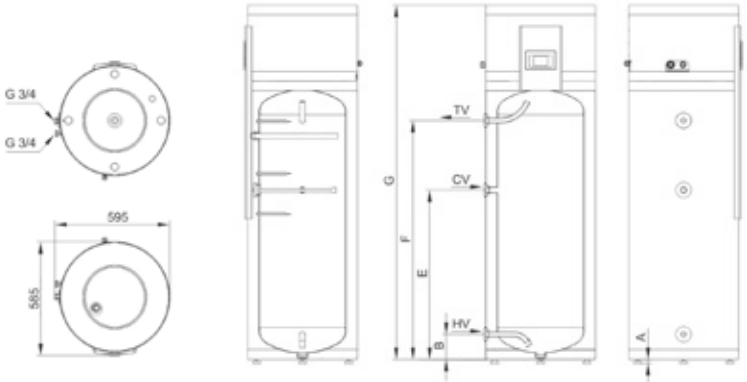


MODEL	DHW W 100	DHW W 120	DHW WR 120
A [mm]	1342	1497	1497
B [mm]	490	645	645
C [mm]	100	100	100
D [mm]	100	100	100
E [mm]	G 1/2	G 1/2	G 1/2
F [mm]	/	/	G 3/4

DHW line

MODEL		DHW W 200
Declared load profile		L
Energy efficiency class [1]		A+
Energy efficiency ηwh [1]	%	151
AEC annual electricity consumption _AC [1]	kWh	680
Daily electricity consumption Qelec_ACC [2]	kWh	3,203
Thermostat temperature settings	°C	55
Sound power level LWA, indoors	dB(A)	51
Storage volume V	l	200,0
Mixed water at 40°C V40 [2]	l	265
TECHNICAL CHARACTERISTICS		
Heating up Period W25 / W10-55 [2]	h:min	06:48
Heating up energy input W25 / W10-55 [2]	kWh	1,81
Energy consuption by choosen cyclus W25 / W10-55 [2]	kWh	2,50
COP_{DHW} (W25 / W10-55) EN 16147 [2]		4,72
Standby power input according to EN16147 [2]	W	14
Refrigiant		R1234ze (GWP 7)
Quantty of refrigiant	kg	0,660
Operating range - heating water temparature	°C	+12 / +40
Working Water Flow	l/h	200
ELECTRICAL SPECIFICATIONS		
Nominal electrical power -compressor	W	220
Maximum power consumption	W	2400
Number of el.heaters x power	W	2 x 1000
Voltage/Frequecy	V/Hz	230/50
Electric protection	A	16
Protection		IP24
STORAGE TANK		
Enamelled steel / Protection Mg anode		+/+
Working pressure	Mpa (bar)	0,6 (6) / 0,9 (9)
MAX. TEMPERATURE		
Hot water tank_ heat pump	°C	65
Hot water tank_ electric heater	°C	75
DIMENSIONS AND CONNECTION		
Height	mm	1860
Width	mm	570
Depth	mm	585
Connections to the watter supply network		60
Connections water source and radiator		G 3/4
Max. conection lenght - Radiator	m	/
Internal pressure drop - source	kPa (bar)	1(0,10)
Netto/gross/with watter	kg	85/97/285
TRANSPORTATION DATA		
Packaging dimensions	mm	760x760x2060

[1] by water source temparature of 10 °C and 10 °C watter on beginning heated up till 55 °C regarding to EN16147 and commission communication (2014/C 207/03), [2] by water source temparature of 25 °C and 10 °C watter on beginning heated up till 55 °C regarding to EN16147

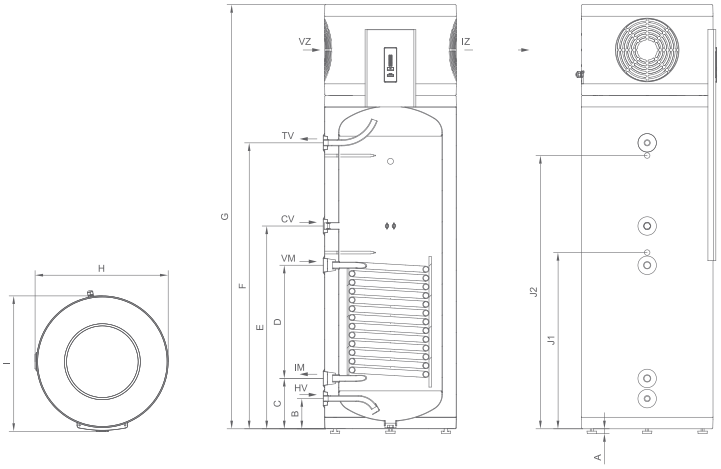


MODEL	DHW W 200
A (mm)	25
B (mm)	130
E (mm)	880
F (mm)	1240
G (mm)	1835
HV (mm)	G3/4
CV (mm)	G3/4
TV (mm)	G3/4

DHW line

MODEL		DHWM 200	DHWM C 200	DHWM 300	DHWM C 300
Declared load profile		L	L	XL	XL
Energy efficiency class [2]		A+	A+	A+	A+
Energy efficiency ηwh [2]	%	178	176	179	179
AEC annual electricity consumption _ACC [2]	kWh	576	581	935	936
Daily electricity consumption Qelec_ACC [2]	kWh	2,709	2,739	4,352	4,362
Thermostat temperature settings	°C	55	55	55	55
Sound power level LWA, indoors [4]	dB(A)	58	58	59	59
Storage volume V	l	200,0	190,0	285,0	275,0
Mixed water at 40°C V40 [2]	l	265	255	395	380
TECHNICAL CHARACTERISTICS					
Heating up Period A15 / W10-55 [1]	h:min	08:07	07:36	08:15	07:55
Heating up Period A20 / W10-55 [2]	h:min	07:19	06:59	07:14	06:57
Heating up energy input A15 / W10-55 [1]	kWh	2,25	2,10	3,32	3,18
Heating up energy input A20 / W10-55 [2]	kWh	2,05	1,97	3,14	3,01
Energy consuption by choosen cyclus A15 / W10-55 [1]	kWh	3,01	3,03	4,74	4,77
Energy consuption by choosen cyclus A20 / W10-55 [2]	kWh	2,72	2,75	4,36	4,37
COPDHW (A15 / W10-55) EN 16147 [1]		3,9	3,9	4,0	4,0
COPDHW (A20 / W10-55) EN 16147 [2]		4,3	4,3	4,4	4,4
Standby power input according to EN16147 [2]	W	15	17	17	18
Refrigiant		R134a (GWP 1430)	R134a (GWP 1430)	R134a (GWP 1430)	R134a (GWP 1430)
Quantty of refrigiant	kg	0,950	0,950	1,100	1,100
Working range - air temparature	°C	+7 / +40	+7 / +40	+7 / +40	+7 / +40
ELECTRICAL SPECIFICATIONS					
Nominal electrical power -compressor	W	300	300	475	475
Maximum power consumption	W	2480	2480	2750	2750
Number of el.heaters x power	W	2 x 1000	2 x 1000	2 x 1000	2 x 1000
Voltage/Frequecy	V/Hz	230/50	230/50	230/50	230/50
Electric protection	A	16	16	16	16
Protection		IP24	IP24	IP24	IP24
STORAGE TANK					
Enamelled steel / Protection Mg anode		+/+	+/+	+/+	+/+
Working pressure	Mpa (bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)
MAX. TEMPERATURE					
Hot water tank_ heat pump	°C	65	65	65	65
Hot water tank_ electric heater	°C	75	75	75	75
Hot water tank_heat exchanger	°C	-	85	-	85
DIMENSIONS AND CONNECTION					
Average thickness of insulation	mm	60	60	67	67
Connections to the watter supply network		G 3/4	G 3/4	G 1	G 1
Connections to the heat exchanger		-	G 1	-	G 1
Max working pressure heat exchanger	Mpa (bar)	-	1,2 (12)	-	1,2 (12)
Heat exchanger surface bottom /top	m²	-	1,1/-	-	1,1/-
Heat exchanger volume bottom /top	l	-	7	-	7
Exchange power in continuous mode (max. coil output) [3]	kW	-	30,3	-	29,1
Continous output ΔT=35K (3)	l/hour	-	745	-	715
Netto/gross/with watter	kg	85/97/285	102/114/292	118/130/403	135/147/410
TRANSPORTATION DATA					
Packaging dimensions	mm	760x760x2060	760x760x2060	800x800x2160	800x800x2160

[1] by air inlet temperature of 15 °C, 74% humidity and 10 °C water on beginning heated up till 55 °C regarding to EN16147, [2] by air inlet temperature of 20 °C, 58% humidity and 10 °C water on beginning heated up till 55 °C regarding to EN16147 and EU Regulation 812/2013, [3] Heating of sanitary water from 10°C to 45°C at inlet temperature of heat transfer fluid 80°C and flow rate 3000 l/h. [4] EN 12102:2013

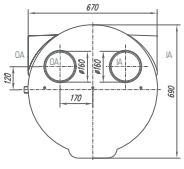


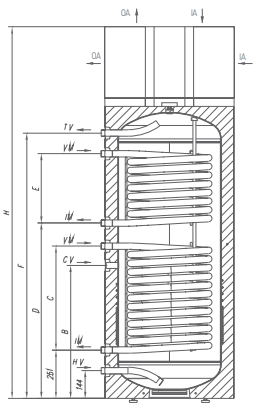
MODEL	DHWM 200	DHWM C200	DHWM 300	DHWM C300
A (mm)	25	25	25	25
B (mm)	130	130	140	140
C (mm)	/	218	/	245
D (mm)	/	490	/	490
E (mm)	880	880	880	880
F (mm)	1240	1240	1250	1250
G (mm)	1835	1835	1930	1930
H (mm)	570	570	670	670
I (mm)	585	585	685	685
J1 (mm)	/	765	/	805
J2 (mm)	/	1185	/	1185
HV	G3/4	G3/4	G1	G1
IM	/	G1	/	G1
CV	G3/4	G3/4	G3/4	G3/4
VM	/	G1	/	G1
TV	G3/4	G3/4	G1	G1

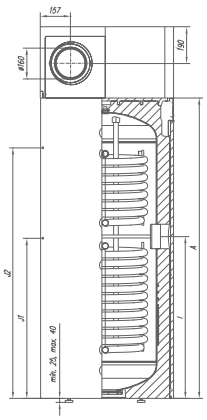
DHW line

MODEL		DHW LT 200	DHW CLT 200	DHW LT 300	DHW CLT 300	DHW 2CLT 300
Declared load profile		L	L	XL	XL	XL
Energy efficiency class [1]	-	A+	A+	A+	A+	A+
Energy efficiency ηwh [1]	%	129	127	136	134	134
AEC annual electricity consumption _ACC [1]	kWh	797	806	1231	1246	1247
Daily electricity consumption Qelec_ACC [2]	kWh	3,762	3,813	5,707	5,787	5,785
Thermostat temperature settings	°C	55	55	55	55	55
Sound power level LWA, indoors /Sound Pressure on 1m [3]	dB(A)	59 / 48	59 / 48	59 / 48	59 / 48	59 / 48
Value of smart	-	0	0	0	0	0
Storage volume V	l	208,0	194,0	295,0	276,0	276,0
Mixed water at 40°C V40 [2]	l	260	248	395	368	368
TECHNICAL CHARACTERISTICS						
Heating up Period A15 / W10-55 *	h:min	05:21	05:13	08:32	08:00	08:00
Heating up Period A7 / W10-55 **	h:min	06:24	06:06	09:40	09:39	09:39
Energy consumption by chosen cycle A15 / W10-55 *	kWh	3,71	3,86	5,75	5,75	5,75
Energy consumption by chosen cycle A7 / W10-55 **	kWh	3,82	3,97	5,80	5,96	5,96
COPDHW (A15 / W10-55) EN 16147 *	-	3,25	3,12	3,42	3,38	3,38
COPDHW (A7 / W10-55) EN 16147 **	-	3,10	3,06	3,34	3,30	3,30
Standby power input according to EN16147 **	W	24	26	18	20	20
Refrigerant***	-	R134a (GWP 1430)	R134a (GWP 1430)	R134a (GWP 1430)	R134a (GWP 1430)	R134a (GWP 1430)
Quantity of refrigerant	kg	1,100	1,100	1,100	1,100	1,100
Working range - air temperature	°C	-7 / +35	-7 / +35	-7 / +35	-7 / +35	-7 / +35
Working Air Flow	m3/h	220-450	220-450	220-450	220-450	220-450
Pressure Drop by 330m3/h (60%)	Pa	100	100	100	100	100
ELECTRICAL SPECIFICATIONS						
Nominal electrical power -compressor	W	490	490	490	490	490
Maximum power consumption	W	2490	2490	2490	2490	2490
Number of el. heaters x power	W	2 x 1000	2 x 1000	2 x 1000	2 x 1000	2 x 1000
Voltage/Frequency	V/Hz	230/50	230/50	230/50	230/50	230/50
Electric protection	A	16	16	16	16	16
Protection	-	IP24	IP24	IP24	IP24	IP24
STORAGE TANK						
Enameled steel / Protection Mg anode	-	+/+	+/+	+/+	+/+	+/+
Working pressure	Mpa (bar)	0,6 (6) / 0,9 (9)/ 1(10)	0,6 (6) / 0,9 (9)/ 1(10)	0,6 (6) / 0,9 (9)/ 1(10)	0,6 (6) / 0,9 (9)/ 1(10)	0,6 (6) / 0,9 (9)/ 1(10)
Max working pressure heat exchanger	Mpa (bar)	-	1,2 (12)	-	1,2 (12)	1,2 (12)
Heat exchanger surface bottom /top	m^2	-	1,45 /-	-	2,7 /-	1,6/1
Heat exchanger volume bottom /top	l	-	9,4/-	-	17,0/0	10,2/6,8
Exchange power in continuous mode (max. coil output) [4]	kW	-	41,1	-	74,1	43,9/27,4
Continuous output ΔT=35K [4]	l/hour	-	1010	-	1821	1079/674
MAX. TEMPERATURE						
Hot water tank_ heat pump	°C	65	65	65	65	65
Hot water tank_ electric heater	°C	75	75	75	75	75
Hot water tank_heat exchanger	°C	-	85	-	85	85
CONNECTION DIMENSIONS						
Average thickness of insulation	mm	67	67	67	67	67
Connections to the water supply network		G1	G1	G 1	G 1	G 1
Dimensions of air connections	mm	Ø160	Ø160	Ø160	Ø160	Ø160
Connections to the heat exchanger	-	-	G 1	-	G 1	G 1
Neto/gross/with water	kg	104/116/312	133/145/327	123/135/418	177/189/453	173/185/449
TRANSPORTATION DATA						
Packaging dimensions	mm	800x800x1765	800x800x1765	800x800x2155	800x800x2155	800x800x2155

[1] EU Regulation 812/2013 ; EN 16147:2011 , Average Climate Conditions (ACC) [2] EN 16147:2011 [3] EN 12102:2013 (at 60% ventilator speed -ducted air/ at 40% ventilator speed - air from premises, no ducts) [4] Heating of sanitary water from 10°C to 45°C at inlet temperature of heat transfer fluid 80°C and flow rate 3000 l/h. (*) by air inlet temperature of 15 °C, 74% humidity and 10 °C water on beginning heated up till 55 °C regarding to EN16147 (**) by air inlet temperature of 7 °C, 89% humidity and 10 °C water on beginning heated up till 55 °C regarding to EN16147 (***) This product contains fluorinated greenhouse gases. Hermetically sealed.







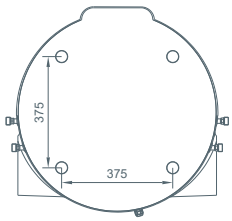
MODEL	DHW LT 200	DHW CLT 200	DHW LT 300	DHW CLT 300	DHW 2CLT 300
A (mm)	1170	1170	1560	1560	1560
B (mm)	580	580	690	690	690
C (mm)	/	620	/	1020	540
D (mm)	/	/	/	/	910
E (mm)	/	/	/	/	360
F (mm)	975	975	1375	1375	1375
H (mm)	1540	1540	1960	1960	1960
I (mm)	615	615	840	840	840
J1 (mm)	/	/	/	790	830
J2 (mm)	/	900	/	1300	1300
HV	G1	G 1	G1	G 1	G 1
IM	/	G 1	/	G 1	G 1
CV	G3/4	G3/4	G3/4	G3/4	G3/4
VM	/	G 1	/	G 1	G 1
TV	G 1	G 1	G 1	G 1	G 1

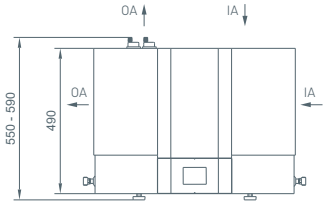
DHW line

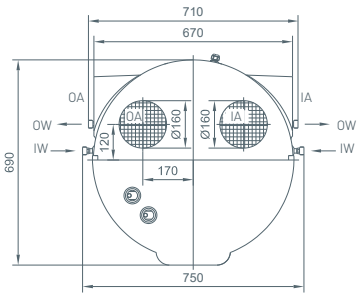
MODEL		DHWA + Space B1 300
Declared load profile	-	XL
Energy efficiency class [1]	-	A+
Energy efficiency ηwh [1]	%	149
AEC annual electricity consumption_ACC [1]	kWh	1122
Daily electricity consumption Qelec_ACC [1]	kWh	5,261
Thermostat temperature settings	°C	55
Sound power level LWA, indoors /Sound Pressure on 1m [2]	dB(A)	59 / 48
Storage volume V	l	276,0
Mixed water at 40°C V40 [1]	l	411
Reference heat exchanger surface	m^2	2,5
TECHNICAL CHARACTERISTICS		
COP_{DHW} (A20/W10-55) EN 16147 [1]		3,6
Heating up Period (A20/W10-55) EN 16147 [1]	h:min	08:58
Heating up energy input (A20/W10-55) EN 16147 [1]	kWh	3,66
Energy consuption by choosen cyclus (A20/W10-55) EN 16147 [1]	kWh	5,27
COP_{DHW} (A2 / W10-55) EN 16147	-	2,3
COP_{DHW} (A7 / W10-55) EN 16147	-	3,0
COP_{DHW} (A14 / W10-55) EN 16147	-	3,5
Heating output (A20 / W35) EN 14511	kW	1,75
COP (A20 / W35) EN 14511	-	4,36
Heating output (A20 / W45) EN 14511	kW	1,65
COP (A20 / W45) EN 14511	-	3,61
Heating output (A20 / W55) EN 14511	kW	1,54
COP (A20 / W55) EN 14511	-	3,00
Heating output (A20 / W65) EN 14511	kW	1,46
COP (A20 / W65) EN 14511	-	2,51
Standby power input according to EN16147	W	28,9
Refrigiant	-	R134a
Quantty of refrigiant	kg	0,450
Working range - air temparature	°C	-7 / +45
Max. DHW temperature with heat pump only	°C	65
Working Air Flow	m^3/h	330
Pressure Drop by 400 m^3/h	Pa	100
Water flow rate (PWM regulation)	l/h	200-400
Max water pressure in the pipe system	Mpa (bar)	10
ELECTRICAL SPECIFICATIONS		
Nominal electrical power -compressor	W	475
Maximum power consumption	W	2750
Max. permissible power of electric water heater	W	2000
Voltage/Frequecy	V/Hz	230/50
Electric protection	A	16
Protection	-	IP24
DIMENSIONS AND CONNECTION (ONLY HP UNIT)		
Height	mm	550
Width	mm	750
Depth	mm	730
Heat pump conection (left and right side)	-	G3/4
Dimensions of air connections	mm	Ø160
Netto waight	kg	41

[1] by air inlet temparature of 20 °C, 58% humidity and 10 °C watter on beginning heated up till 55 °C regarding to EN16147, [2] EN 12102:2013, Left or right water conection. Minimum permissible heat transfer surface area 0,8 m^2. Circulation pump included.

Legend:
IA - inlet air
OA - outlet air
IW - inlet water
OW - outlet water







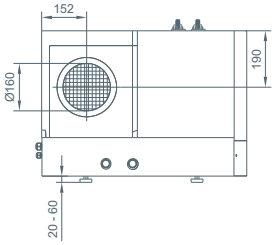


Chart: **Heating output EN14511**

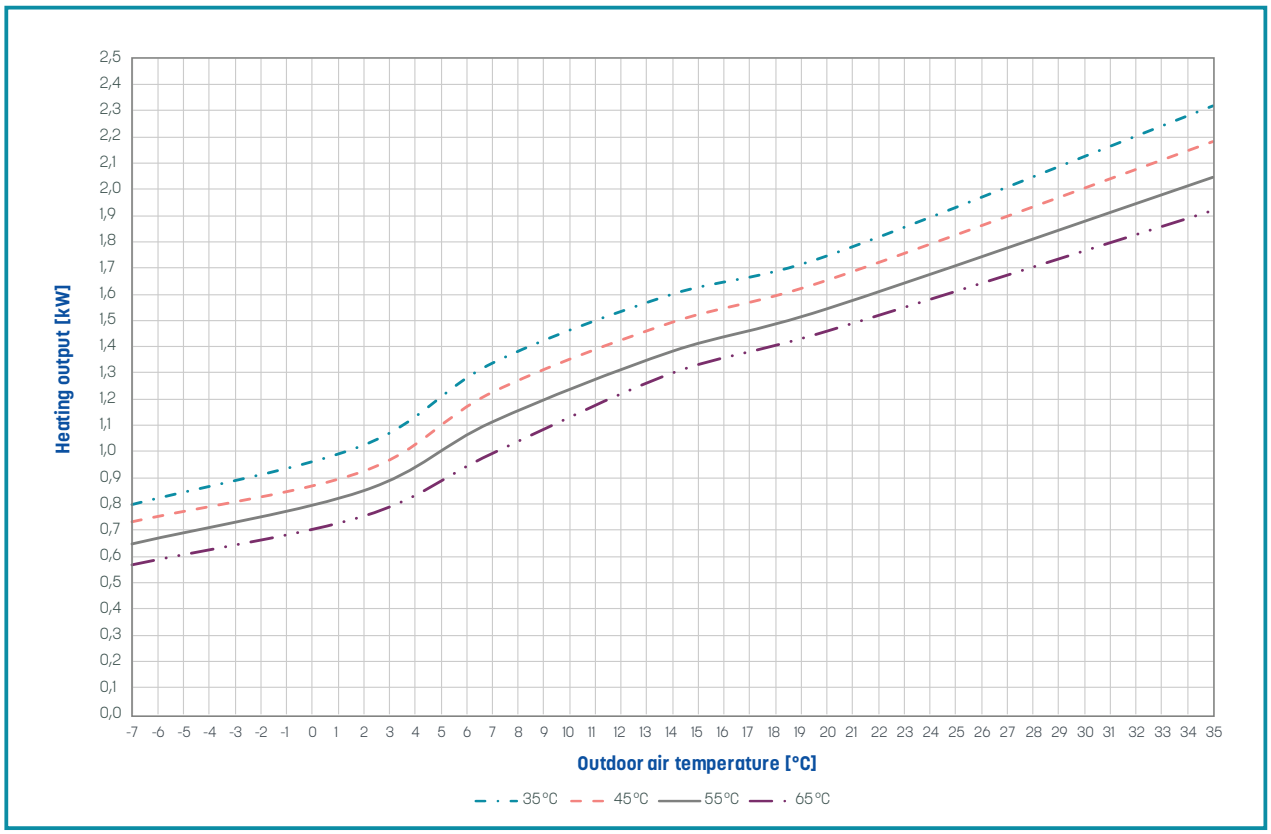
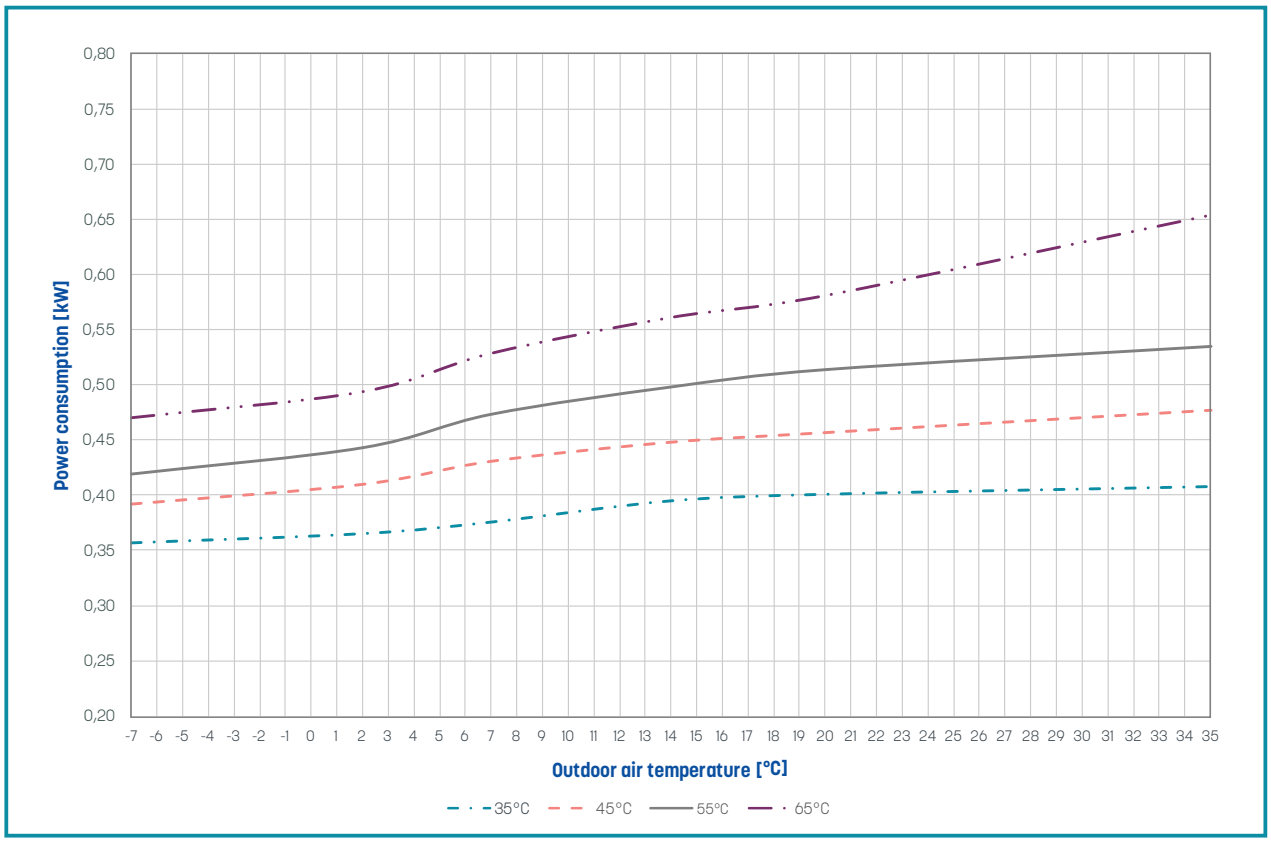


Chart: **Power consumption EN14511**



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