



BOSCH
Invented for life

If everything in life
was **so simple!**

Catalogue 2019

Hot water solutions
from Bosch



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About Bosch

The Bosch Group is an international leader in areas of Energy, Automotive Engineering, Industrial and Consumer Goods. Building on our German roots, we develop high quality and high performance products with trusted German engineering.

Bosch is a leader in development of next generation technologies that offer better performance and efficiency while preserving our natural resources.

Every Bosch product is manufactured with a goal in mind: Improve the quality of life.

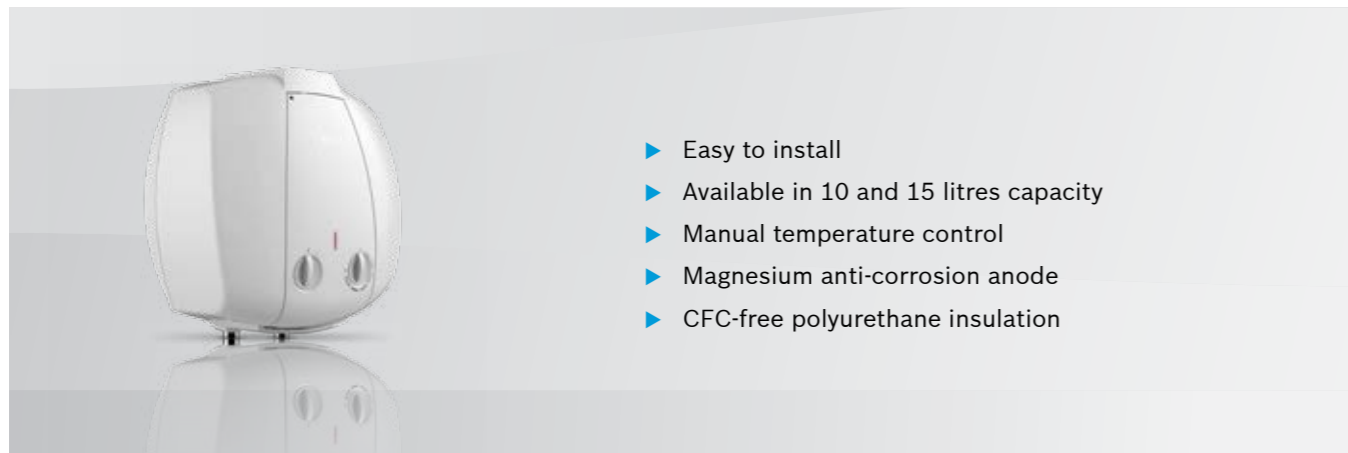
Bosch is a pioneer in energy saving systems. Its mission is to continuously improve heating and cooling technology products and contribute to creating a liveable environment.

Since 2018 our subsidiary Robert Bosch East Africa is committed to providing hot water solutions directly to the East African Market thereby enhancing the proximity to our customers.



Electric Water Heaters

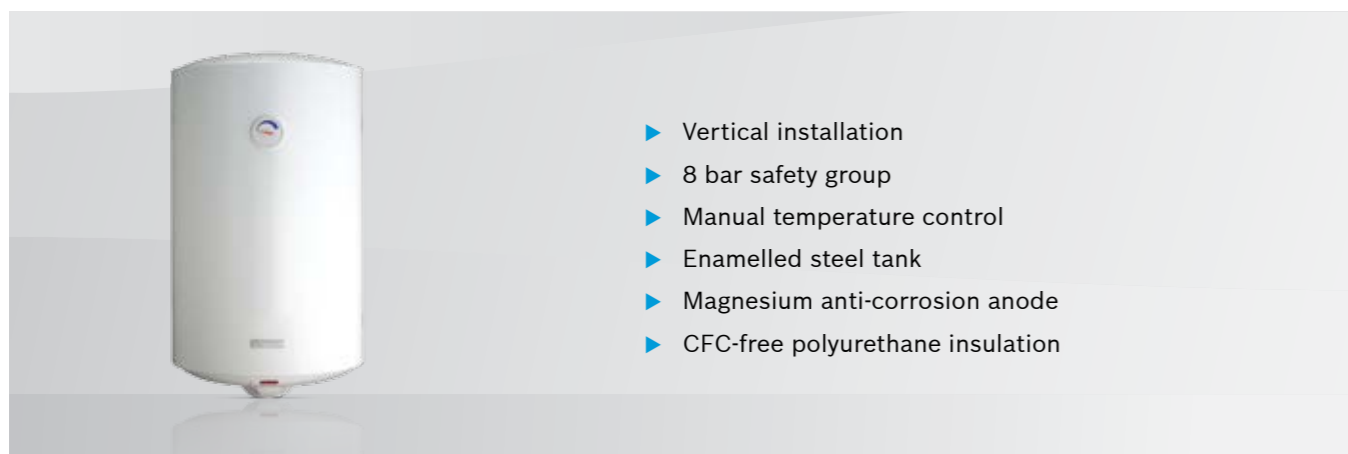
The Tronic range has a wide variety of water heaters for all your domestic hot water needs, with capacities ranging from 10 to 100 Liters.



- ▶ Easy to install
- ▶ Available in 10 and 15 litres capacity
- ▶ Manual temperature control
- ▶ Magnesium anti-corrosion anode
- ▶ CFC-free polyurethane insulation

Tronic 2000 T (10-15 L)

This range is ideal for installations with a reduced space. The water heater is available in two versions: above sink and under sink. Its simple design ensures fast installation and easy maintenance. It has a temperature setting with indication LED and an on / off button to adjust the energy consumption in an optimal way.



- ▶ Vertical installation
- ▶ 8 bar safety group
- ▶ Manual temperature control
- ▶ Enamelled steel tank
- ▶ Magnesium anti-corrosion anode
- ▶ CFC-free polyurethane insulation

Tronic 1000 T (30-100 L Vertical)

This range is the ideal solution offering great comfort and hot water according to your needs. With the versatility of versions ranging from 30 to 100 liters, these devices are intended for small and medium consumption of hot water. In addition, they are easy to install and use.



Additional tips for energy savings:

- ▶ Replacing an old electric water heater with a next generation model will save up to 35% of the hot water cost at home.
- ▶ If possible, install the electric water heater in a warm place of the house (ex: the bathroom) for the loss of energy to be minimal, especially during the cold season.
- ▶ The length of the hot water pipe up to most use points (shower, sink, etc.) must be as short as possible and insulated for reduced heat loss.
- ▶ One flowing faucet can waste 170 liters of water per month. That's why you must always confirm that you are closing taps completely.
- ▶ Check your electric water heater according to manufacturer's information: accumulation of limestone on the electrical resistance causes a decrease in the efficiency of the device and leads to an increase in consumption of energy.

Tronic 2000 T

The Tronic 2000 T is the ideal solution for on demand hot water. It is easy to install and easy to use over and under sink.



- 1 Led - indication of heating up
- 2 On/Off knob (0/1)
- 3 Temperature knob
- 4 Hot water outlet 1/2" male
- 5 Cold water inlet 1/2" female

Model		ES 10	ES 15
General Features			
Capacity	l	10	15
Dimension (L x H)	mm	372 x 406	
Weight (empty)	kg	7,7	9,4
Weight (full)	kg	17,7	24,4
Enamelled		Yes	
Installation			
Orientation		Vertical	
Water connections		1/2"	
Connections		Top / Bottom	
Technical Features			
Max permissible pressure	bar	8	
Nominal power	W	1500	
Power supply		230V/50Hz	
Monophasic electric current	A	6,5	
Temperature ranges	°C	until 70°C	
Heating Time (ΔT-50°C)		0h23min	0h35min
Type of protection		IPX4	

Tronic 1000 T

The Tronic 1000 T offers high comfort and adequate water supply with capacities up to 100 liters for users looking for the best value for money.

Its simple construction ensures a hassle-free installation, easy maintenance and quick serviceability.

Production of hot water powered by electricity, with all the comfort from Bosch.



- 1 Magnesium anode
- 2 Electrical resistance
- 3 Adjustment and safety thermostat
- 4 Enameled steel
- 5 Polyurethane insulation (CFC-free)

Model		ES 030	ES 050	ES 080	ES 100
General Features					
Capacity	l	30	50	80	100
Dimension (Ø x H)	mm	433 x 447	433 x 610	433 x 857	433 x 1019
Weight (empty)	kg	11,4	14,8	20,2	23,7
Weight (full)	kg	41	64,8	100,2	123,7
Enamelled		Yes			
Installation					
Orientation		Vertical			
Water connections		1/2"			
Connections		Bottom			
Technical Features					
Max permissible pressure	bar	8			
Nominal power	W	1200	2000		
Power supply		230V/50Hz			
Monophasic electric current	A	5,2	8,7		
Temperature ranges	°C	until 65°C			
Heating Time (ΔT-50°C)		1h16min	1h43min	2h27min	2h57min
Type of protection		IP25			

Solar energy

Nature has so much to offer. By using solar energy at home, we can already significantly reduce our heating costs and help to preserve the environment.

Bosch supports you with adequate solutions.



Solar Thermosiphon System

Bosch solutions are produced with high quality materials with Solar Keymark certification. The thermosiphon systems from Bosch benefit from solar panels of high efficiency and high quality to guarantee an optimization of the collected solar energy for maximum comfort and economy.

Principle of operation

The solar system captures the energy of solar irradiance through a field of solar thermal panel, which directly convert this energy into heat. This heat is absorbed by the solar fluid inside the panel and is transported through properly insulated pipes to a tank. The hot water accumulated in the tank is heated by the heat transfer of the coolant towards the water. The heat transfer fluid of the panel circulates inside the balloon thanks to the difference in density caused by the difference in temperature.

Suitable for every home

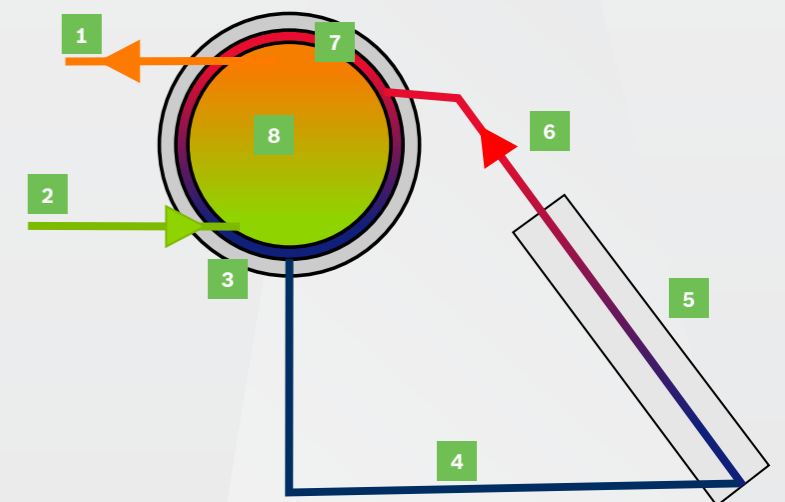
The use of solar energy to heat water is a way to significantly reduce the energy bill. Properly sized, it saves on average about 75% of the energy usually spent on heating water.

This system is particularly suitable for the domestic / residential sector where the consumption of hot water corresponds to the hot water volume supplied by the system.

Bosch has a wide range of thermosiphon solutions, suitable for every home, with the possibility of installation on roof or in flat roof, with capacities of 150, 200 and 300 liters. The system consists of 1 or 2 panels, 1 tank, 1 connection kit, 1 mounting structure and 1 electrical heater.

Operating scheme

- 1 Hot water outlet
- 2 Cold water inlet
- 3 Insulation
- 4 Solar thermal coolant solar circuit (antifreeze and corrosion protection)
- 5 Flat panel
- 6 Solar thermal fluid
- 7 Double envelope balloon
- 8 Sanitary water



Why choose Bosch?

Advantages of our solar system

Reduction of energy costs

Bosch solar systems are highly efficient with the guarantee of optimization of solar energy. They allow a significant reduction of the energy cost.

Quality

Following the Bosch philosophy, products are made with high quality materials and innovative processes. Our solar water heaters are certified "Solar Keymark".

Integration on any kind of construction

Our Bosch solar water heaters can be installed on any kind of construction (inclined roof and flat roof).

Easy assembly and installation

The Bosch thermosiphon (closed circuit) solar water heaters have been designed in such a way that their installation is easy and simple with a short installation time.

Environmental Protection

The high quality of our solutions make it possible to use energy without harmful emissions and contributes to the protection of the environment. This is also part of our concerns as manufacturers.

Types of installation

Flat roof



On roof



Technical Data

Model		TS150	TS200	TS300
General Features				
Capacity	l	145	195	280
Collector		1 x FCC	1 x FCC	2 x FCC
Type of system		Indirect Circuit		
Tank insulation		50 mm polyurethane insulation (CFC free)		
Tank corrosion protection		Enameling and magnesium anode		
Tank cover		Galvanized steel + power coated		
Structure (Essence Premium)		Zinc coating + powder coating protection Aluminium		
Mounting inclination angle		Flat roof fixed 35° On roof from 15° to 45°		
System weight (filled)	kg	~290	~340	~510
System Dimensions (flat roof Essence)	mm	1345 x 2445 x 1690		2140 x 2445 x 1690
System Dimensions (flat roof Premium)	mm	1345 x 2365 x 1675		2140 x 2365 x 1675
System Dimensions (on roof Premium)	mm	1345 x 2770		2120 x 2770
Technical Features				
Domestic hot water max pressure	bar		8	
Solar circuit max pressure	bar		2,5	
Domestic hot water max temperature	°C		95	
Solar circuit max temperature	°C		110	
Solar fluid capacity	l	4	5,2	7,5
Tank Features				
Tank heat losses	W / K	1,44	1,61	2,57
Service opening Ø	mm		95	
Tank electric backup connection			1 1/4"	
Collector Features				
Collector absorber area	m ²		1,921	
Collector max. operating pressure	bar		6	
Collector stagnation temperature	°C		194	
Collector glass			Solar safet glass 3,2 mm	
Collector efficiency η ₀ (AG)	%		70,5	

Accessories

Each solar system includes the following equipment:

- ▶ Tank
- ▶ Collector
- ▶ Mounting structure
- ▶ E-Heater
- ▶ Hydraulic kit
- ▶ Glycol

Optional accessories:

- ▶ Solar controller
- ▶ Thermo mixing valve
- ▶ Connection set



Robert Bosch East Africa Ltd

FedhaPlaza, 4th Floor

Junction of Mpaka Road and Parklands Roads

Westlands

Nairobi

Kenya

Tel : +254 748 584 315

Fax : +254 203 673 231

kennedy.tembo@bosch.com