

# Bosch Whole House & Point-of-Use Electric Tankless & Mini-Tank Water Heaters

## Bosch Tronic 5000, 3000 and 3000T

Models WH36, WH27, WH17, US12-US3, ES8, ES4, ES2.5



# BOSCH

Invented for life



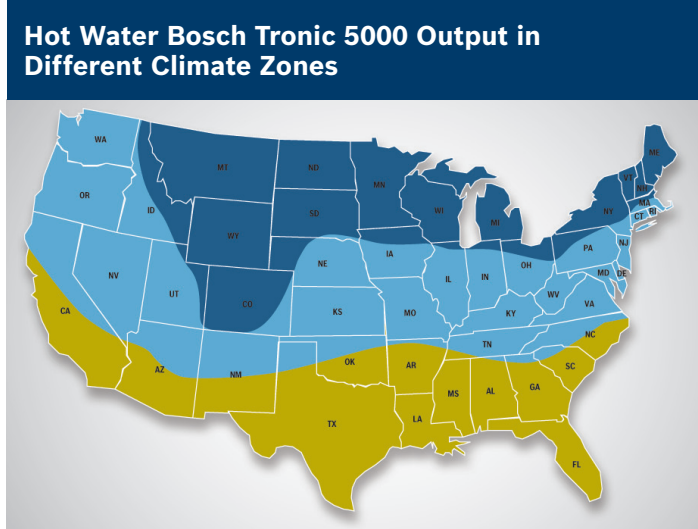
With compact tankless and mini-tank products from Bosch, there is no limit to where you can have hot water. These hot water heaters are an ideal solution for remote locations and when you need hot water at a dedicated fixture:

- ▶ Garage, apartment, pool house, in-law suites
- ▶ Supplemental hot water for high-flow fixtures
- ▶ Hard to reach locations that need extra hot water
- ▶ Smaller properties and second homes

# Bosch Tronic 5000 Series | WH36, WH27, WH17 Whole House Electric Tankless Water Heaters

## Endless Hot Water for One Major Application at a Time

The compact and powerful Tronic 5000 Series electric whole house tankless water heaters can be installed virtually anywhere inside the home. They are 97% efficient with no stand-by loss and have modulating elements that ensure a constant output temperature for hot water comfort.



Hot Water Bosch Tronic 5000 Output in Different Climate Zones

■ WH36 will provide for a 2-3 bathroom home  
 WH27 will provide for a 1-2 bathroom home  
 WH17 will provide for a 1 bathroom home

■ WH36 will provide for a 1-2 bathroom home  
 WH27 will provide for a 1 bathroom home

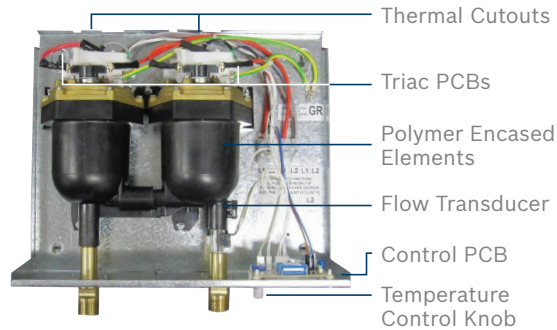
■ WH36 and WH27 will provide for a 1 bathroom home

Model WH17 is not recommended for whole house use in climates where average ground water temperature is less than 60°F.



### WATER CONNECTIONS:

The water lines both to the inlet & from the outlet must be copper or suitably rated stainless steel flex line for at least 1.5 feet from the water heater. Plastic or PEX type plumbing line materials are not suitable for connecting directly to the water heater.



### Features

- ▶ Over 97% thermal efficiency
- ▶ Compact and lightweight
- ▶ Electronic flow sensor
- ▶ Element modulation provides a constant output temperature
- ▶ Filter screen on inlet
- ▶ New scale prevention technology
- ▶ Improved temperature stability & control
- ▶ 5 year limited warranty<sup>5</sup>

<sup>5</sup> Copies of original warranties in their entirety are available at [www.boschheatingandcooling.com](http://www.boschheatingandcooling.com)

Technical Specifications	WH36	WH27	WH17
<b>Part Numbers</b>	7736500680	7736500681	7736500682
<b>Electrical Requirements</b>			
<b>Voltage (VAC)*</b>	208-240 Nominal	208-240 Nominal	208-240 Nominal
<b>Power (kW)</b>	36.0	26.85	17.25
<b>Required Circuit Breaker Amperage</b>			
USA / CANADA**	180 (3 x 60 Amps) <sup>†</sup> 175 (1 x 175 Amps)	120 (3 x 40 Amps) ** 120 (1 x 120 Amps)	80 (2 x 40 Amps) <sup>†</sup> 80 (1 x 80 Amps)
<b>Minimum Wire Size</b>	6 AWG (6 Conductors & Ground) 1/0 AWG	8 AWG (6 Conductors & Ground) 2 AWG (2 Conductors & Ground)	8 AWG (4 Conductors & Ground) 4 AWG (2 Conductors & Ground)
<b>Phase</b>	Single	Single	Single
<b>Maximum Flow Rates Depending on Temperature Rise</b>			
<b>Input (kW)</b>	36.0	26.9	17.3
<b>GPM Output @ Temperature Rise of 75°F</b>	3.6	2.4	1.6
<b>GPM Output @ Temperature Rise of 60°F</b>	4.1	3.0	2.0
<b>GPM Output @ Temperature Rise of 45°F</b>	5.4	4.0	2.6

### ELECTRICAL REQUIREMENTS:

\* Specs are based on 240 V. Lesser voltage (220 V or 208 V) will result in reduced output.

\*\* In Canada unit must be wired to a single breaker. AE Canada Kit required.

<sup>†</sup> The WH36 requires 180 amp circuit protection through three 60 amp circuit breakers in the U.S. The home MUST have a minimum of 300 amp service.

<sup>††</sup> The WH27 requires 120 amp circuit protection through three 40 amp circuit breakers in the U.S. The home MUST have a minimum of 200 amp service.

<sup>‡</sup> The WH17 requires 80 amps circuit protection through two 40 amp circuit breakers in the U.S. The home MUST have a minimum of 150 amp service.

Example: An inlet water temperature of 55°F and a desired water temperature of 120°F requires a temperature rise of 65°F.

# Bosch Tronic 3000 | US12 - US3

## Under-Sink Electric Tankless Water Heaters

### Endless Hot Water for One Sink at a Time

Compact point-of-use / under-sink tankless water heaters are designed to provide an endless supply of hot water for kitchen and bathroom sinks. These units provide 99% efficiency with minimal stand-by loss and most models are equipped with high/low kW settings.

**Note:** All Bosch Tronic 3000 models require hard wiring.



### Features

- ▶ 99% efficient with minimal stand-by loss
- ▶ Ultra compact and light weight, saving valuable space
- ▶ Copper heat exchanger with copper-sheathed heating elements
- ▶ Units can be mounted horizontally or vertically (except model US12)
- ▶ Model US12 features thermostatic control
- ▶ No temperature / pressure relief valve is necessary (subject to local codes)
- ▶ 5 year limited warranty<sup>§</sup>

<sup>§</sup> Copies of original warranties in their entirety are available at [www.boschheatingandcooling.com](http://www.boschheatingandcooling.com)

Technical Specifications	US12	US9	US7	US6	US3
<b>Part Number</b>	7736500683	7736500687	7736500684	7736500686	7736500685
<b>Thermal Efficiency</b>	99%				
<b>Thermostatic Control</b>	✓	-	-	-	-
<b>Activation Flow Rate, GPM</b>	0.6	0.75	0.75	0.5	0.5
<b>Electrical Requirements</b>					
<b>Voltage (VAC)*</b>	208-240 Nominal	208-240 Nominal	208-240 Nominal	277 Nominal	120 Nominal
<b>Input (High/Low Setting), kW</b>	12	9.5 / 4.75	7.2 / 3.60	6.0 / 3.0	3.4
<b>Minimum Required Circuit Breaker Amperage</b>	50	40	30	25	30
<b>Minimum Wire Size</b>	6 AWG	8 AWG	10 AWG	10 AWG	10 AWG
<b>Maximum Flow Rates Depending on Temperature Rise</b>					
<b>GPM Output @ Temperature Rise of 75°F</b>	1.1	0.9	0.7	0.5	NA
<b>GPM Output @ Temperature Rise of 60°F</b>	1.4	1.1	0.8	0.7	NA
<b>GPM Output @ Temperature Rise of 45°F</b>	1.8	1.4	1.1	0.9	0.5

**Example:** An inlet water temperature of 55°F and a desired water temperature of 120°F requires a temperature rise of 65°F.

\*Specs are based on 240 V. Lesser voltage (220 V or 208 V) will result in reduced output. Values shown are for high / low kW settings.

# Bosch Tronic 3000T | ES8, ES4, ES2.5 Point-of-Use Electric Mini-Tank Water Heaters

## Hot Water Where You Need It

The Bosch Tronic 3000T point-of-use electric mini-tanks are available in three sizes which can be wall-hung (bracket included) or floor-mounted.

**Easy installation.** Simply tap into the cold water line, provide electrical connection and install the water heater directly at the sink. Can be used alone to provide a small volume of water or installed inline with a central water heater near the point-of-use to eliminate the wait for hot water.



**Note:** Sold in U.S. Only

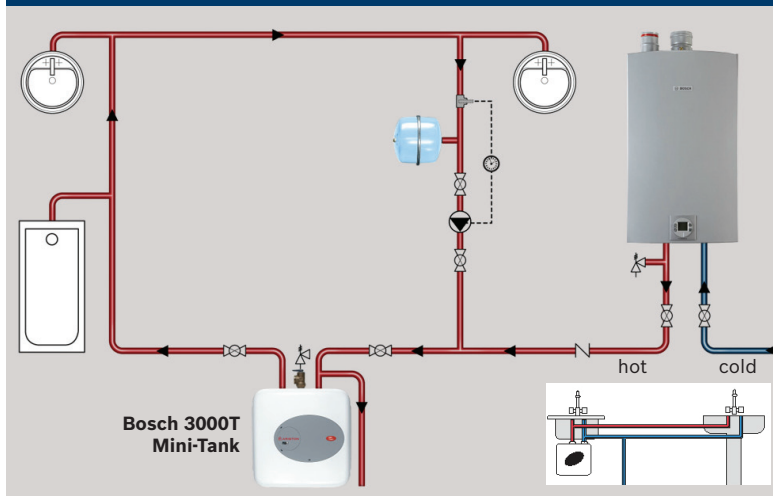
## Features

- ▶ Supplies up to 2 sinks at a time (ES8 model)
- ▶ Provides hot water quickly at point-of-use
- ▶ Compact, lightweight, space saving
- ▶ Thick CFC-free foam insulation maximizes energy efficiency
- ▶ Units can be wall / floor mounted (bracket included) with multi-directional mounting available (ES8 model only)
- ▶ Temperature / pressure relief valve included
- ▶ Glass-lined tank for long service life
- ▶ Models ES2.5 and ES4 have a simple 120 VAC plug-in connection
- ▶ 8 year limited warranty<sup>§</sup>

<sup>§</sup> Copies of original warranties in their entirety are available at [www.boschheatingandcooling.com](http://www.boschheatingandcooling.com)

Technical Specifications	ES8	ES4	ES2.5
<b>Part Number</b>	7736500902	7736500901	7736500900
<b>Thermal Efficiency</b>	98%	98%	98%
<b>Tank Volume (gal)</b>	7.1	3.9	2.7
<b>Heating Capacity, Watts</b>	1440	1440	1440
<b>Recovery Rate @ 90°F Rise, GPH</b>	6.6	6.6	6.6
<b>Temperature Range (°F)</b>	65 - 145	65 - 145	65 - 145
<b>Max Operating Pressure (psi)</b>	150	150	150
<b>Weight (lbs)</b>	29.5	17.3	15.5
<b>Dimensions (in)</b>	17½ x 17½ x 14½	14 x 14 x 12¼	14 x 14 x 10¼
<b>Water Fittings</b>	¾" Male NPT	½" Male NPT	½" Male NPT
<b>Relief Valve</b>	Included	Installed	Installed
Electrical Requirements			
<b>Volts (VAC)</b>	120	120	120
<b>Amps</b>	12	12	12
<b>Connection Type</b>	Hard Wired	Plug-In	Plug-In

No more waiting for hot water. Ideal for stand-alone use or recirculation systems.



Relief valve is required; however it is not shown in above photo for clarity.

## Bosch Thermotechnology Corp.

Londonderry, NH • Ft. Lauderdale, FL  
General Inquiries: 1-866-330-2725  
[www.boschheatingandcooling.com](http://www.boschheatingandcooling.com)