



## Bosch Heating, Hot Water, & Controls Solutions

**2022 Residential/Commercial  
Product Catalog & Price Book**



Bosch Thermotechnology is a leading source of high-quality heating and cooling systems, including tankless, point-of-use and electric water heaters, floor-standing and wall-hung boilers, Bosch and FHP geothermal, water-source and air-source heat pump systems as well as controls and accessories for every product line.

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Invented for life



**BOSCH**

# About Bosch

## **We Think Comfort is Best When it's Effortless**

That's why, at Bosch Thermotechnology, we work hard to bring you the highest quality heating and cooling systems. We build every one of our products to be reliable and user-friendly, so you can go ahead and forget we're even here. That's invisible comfort — the kind you feel, but never have to think about.

## **About Bosch Thermotechnology Corp.**

Bosch Thermotechnology Corp. is a leading source of high quality heating, cooling and hot water systems. The Company offers Bosch tankless, point-of-use and electric water heaters, Bosch and Buderus floor-standing and wall-hung boilers, Bosch and FHP water-source, geothermal and air-source heat pump systems, as well as controls and accessories for every product line.

Bosch Thermotechnology is committed to reinventing energy efficiency by offering smart products that work together as integrated systems that enhance quality of life in an ultra-efficient and environmentally friendly manner.

Bosch strives to bring the most energy-efficient and environmentally responsible products to global consumers. In delivering the best products at affordable prices to our markets, Bosch has established multiple collaborations and joint ventures on a global scale to bring the latest technologies to North America. All global manufacturing facilities must adhere to stringent quality standards in order to provide the trusted Bosch brand.

## **About Bosch**

The Bosch Group is a leading global supplier of technology and services. It employs roughly 401,614 associates worldwide (as of December 31, 2021). The company generated sales of 78.8 billion euros in 2021. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life."

## **Before Everything, There's Bosch.**

Simple. Reliable. Innovative.



# Bosch is a Comfort Solutions Provider for Residential & Commercial Applications

We welcome you to join us in providing comfort you can feel, but never have to think about!



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## ORDER ENTRY EMAIL ADDRESS

ldy.sop@us.bosch.com

# The Best-Selling Boiler in the World!

## Bosch Greenstar Boilers

The Bosch Greenstar is the best-selling boiler in the world (with over 4 million sold). The Greenstar is built using precision German engineering that includes Bosch design and manufacturing of key components like our unique heat exchanger and control systems. It features reliable, ultra-quiet operation, fast, easy installation and very low maintenance costs. The intelligent digital control systems allow for precise boiler control using indoor and/or outdoor temperature sensing, as well as options for controlling domestic hot water while preventing Legionella bacteria from forming in the home hot water system. The largest model provides ideal comfort for almost any home, and can run two standard showers simultaneously. In addition, the Greenstar includes a highly efficient 95% AFUE aluminum silicon heat exchanger which makes the boiler eligible for Federal Tax Credit and utility rebates.<sup>(1)</sup>

### Precision German Engineering and Design

Bosch Greenstars are built with a high level of detail and parts

### Aluminum-Silicon-Magnesium (Al-Si-Mg) sand-cast heat exchanger

Best for heat transfer, small size + easy, infrequent cleaning

### Five year cleaning interval of the Al-Si-Mg heat exchanger

Low maintenance costs for homeowner, easy service for contractor

### Same key major components for all 16 wall & floor models

Limited parts inventory required for distributors and contractors

### Indoor & outdoor reset, or both simultaneously via CRC200 controller

Thermostat with powerful boiler control capabilities



Floor Standing

Wall Mounted





# Bosch Greenstar Applications

The Greenstar is ideal for a townhouse, condo, apartments or single family homes. Available as a heat only boiler for use with a hot water tank, or as a combi model for heating integrated with tankless domestic hot water (DHW).

## Features

- ▶ Broad BTU Output Range: Floor and Wall models with 95% AFUE and up to 5:1 modulation are available in 5 Heat-Only and 3 Combi sizes
- ▶ Simplified Installation: Integral pump is standard on all models
- ▶ Unique Siliconized Coated Heat Exchanger: Reduces scale build-up, reduces service, maintains high efficiency and extends the life of the boiler
- ▶ Combi Models High DHW Output: Up to 4 GPM DHW output on Combi models – based on  $\Delta T$  at 72°F / 40°C. Large plate heat exchanger allows for lower operating temperatures and larger  $\Delta T$  in DHW mode for higher efficiency and condensing operation
- ▶ Many standard venting options: polypropylene (PP), flexible PP chimney liner, concentric PP kit, PVC or CPVC

## Heat-Only Boiler

- ▶ Perfect choice for radiant heat, snow melt, and baseboard heating with or without an indirect storage tank
- ▶ Ideal replacement for any wall hung or floor boiler
- ▶ Perfect for systems with a very high DHW demand as the tank can be matched to the hot water requirement without necessarily having to increase the boiler output
- ▶ For use with renewables like solar thermal to reduce the energy consumption even further

### Greenstar Heat-Only Boilers

Input Rate Range in MBH (180/79°F, 82/26°C)

Greenstar 151	36	151
Greenstar 131	36	131
Greenstar 100	24	100
Greenstar 79	24	79

## Bosch Greenstar Video



See why the  
Bosch Greenstar  
is the Best-Selling  
Boiler in the World!



Scan or click  
QR Code

## Combination Boiler

- ▶ Boiler with an integrated system for providing tankless domestic hot water
- ▶ All-in-one solution with very low installation effort and very few external components
- ▶ Ideally suited for smaller properties with low to medium DHW demand and relatively short hot water pipe runs
- ▶ Small, lightweight form factor allows for replacement of any wall boiler ease and speed with minimal piping and venting changes
- ▶ Efficiency is maintained while producing domestic hot water, unlike most combi-boilers on the market

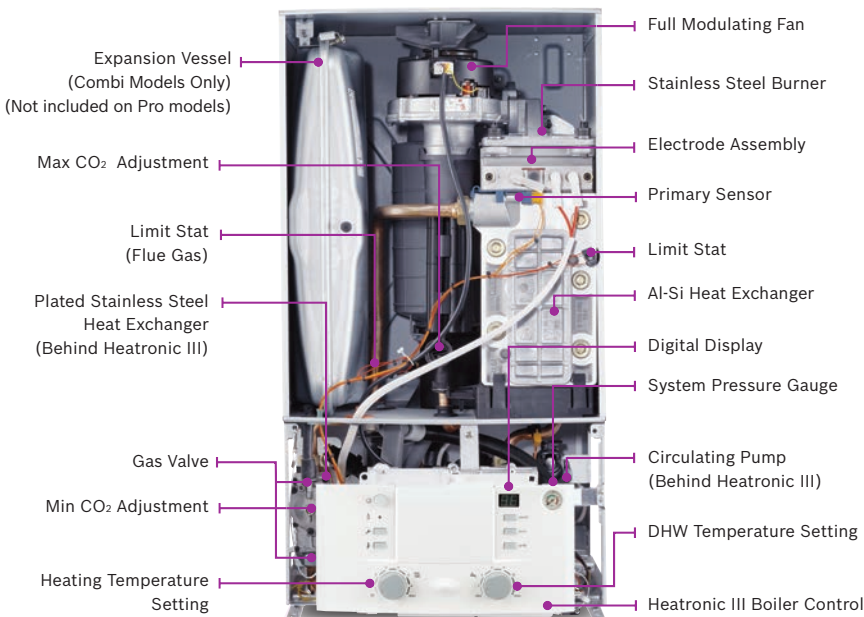
### Greenstar Combi-Boilers

Input Rate Range in MBH (180/79°F, 82/26°C)

Greenstar 151	36	151
Greenstar 131	36	131
Greenstar 100	24	100

# Greenstar Wall Mounted

## Condensing Boilers & Combi/Combi Pro Boilers



Greenstar Combi model is shown above

### Greenstar Combi Pro boilers

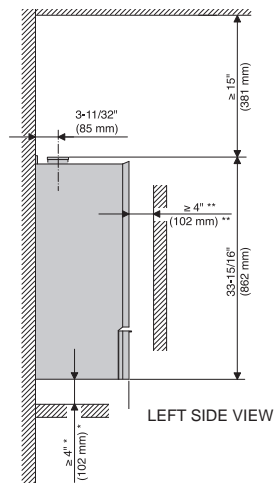
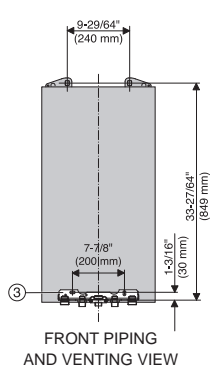
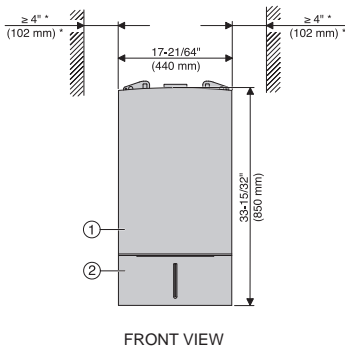
The Greenstar Combi Pro boilers have the same superior features found in our standard Greenstar Combi boilers, with the auxiliary accessories removed. These combi boilers provide both space heating and domestic hot water, while maintaining AFUE efficiencies of 95.0%. With domestic hot water flow rates up to 4.0 GPM (72° ΔT) and a variety of different venting options, these combi boilers are the preferred choice for apartment and home-owners alike.

MODEL	AFUE %	INPUT MBH	HEATING CAPACITY MBH	NET IBR RATING MBH (NET WATER)	PART NO.	PRICE
<b>HEAT ONLY BOILERS*</b>						
Greenstar 79 - ZBR21	95%	79	71	62	7-738-100-322	<b>\$3,253</b>
Greenstar 100 - ZBR28	95%	100	91	79	7-712-231-415	<b>\$3,356</b>
Greenstar 131 - ZBR35	95%	132	118	103	7-712-231-414	<b>\$4,567</b>
Greenstar 151 - ZBR42	95%	152	135	117	7-712-231-413	<b>\$4,756</b>
<b>COMBI BOILER - HEAT AND TANKLESS DHW COMBINED (SIZE FOR THE DHW DEMANDS)*</b>						
Greenstar Combi 100 - ZWB28	95%	100	91	79	7-738-100-002	<b>\$4,169</b>
Greenstar Combi 131 - ZWB35	95%	132	118	103	7-738-100-256	<b>\$4,458</b>
Greenstar Combi 151 - ZWB42	95%	152	135	117	7-713-331-041	<b>\$4,548</b>
<b>COMBI BOILER PRO - HEAT AND TANKLESS DHW COMBINED (SIZE FOR THE DHW DEMANDS)**</b>						
Greenstar Combi 100P - ZWB28-3A	95%	100	89.4	79	7-738-100-825	<b>\$2,411</b>
Greenstar Combi 151P - ZWB42-3A	95%	152	135	117	7-738-100-611	<b>\$3,457</b>

\* Includes integrated pump, tank sensor, outdoor reset control, LPG conversion kit, twin pipe 3" vent adapter

+ Includes integrated pump, plate heat exchanger, expansion tank, outdoor reset control, LPG conversion kit, twin pipe 3" vent adapter

\*\* Greenstar PRO does not include internal expansion tank, wired controller, or junction box



# Greenstar Floor Standing

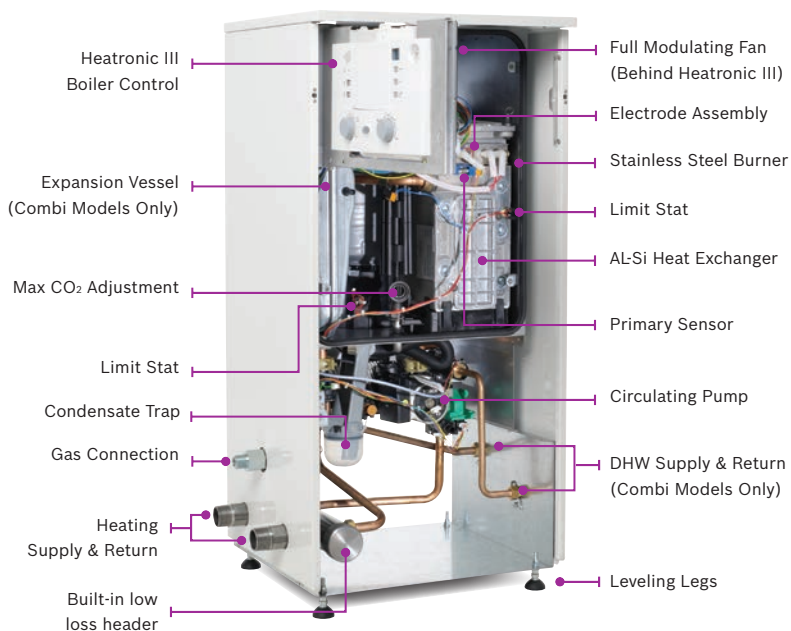
## Condensing Boilers & Combi Boilers

### Superior Design & Components

The Bosch Greenstar series features industry-leading design and technology components built for years of reliable operation and optimal energy efficiency.

#### Installer Benefits

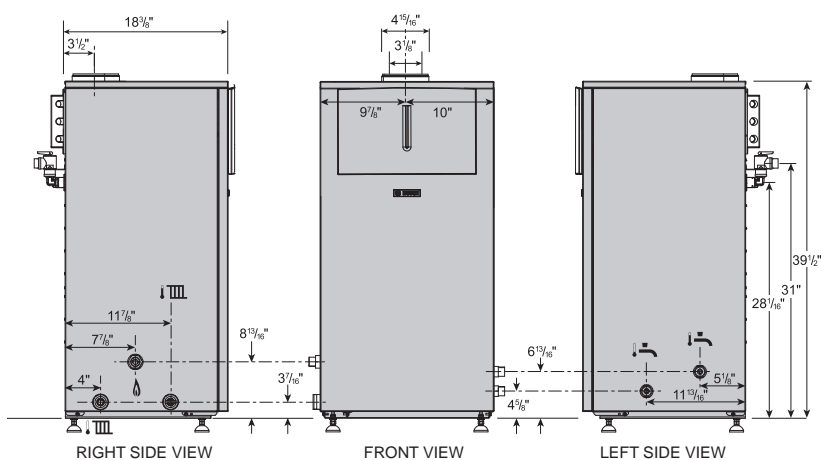
- ▶ Ease of installation
- ▶ Reliability provides peace of mind
- ▶ Trouble free setup and commissioning
- ▶ Serviceability is unmatched
- ▶ Multiple installation options for the right fit



MODEL	AFUE %	INPUT MBH	HEATING CAPACITY MBH	NET IBR RATING MBH (NET WATER)	PART NO.	PRICE
<b>HEAT ONLY BOILERS**</b>						
Greenstar FS 79 - KBR21	95%	79	71	62	7-733-600-078	<b>\$3,734</b>
Greenstar FS 100 - KBR28	95%	100	89.4	79	7-733-600-079	<b>\$3,848</b>
Greenstar FS 131 - KBR35	95%	132	116.7	103	7-733-600-080	<b>\$4,949</b>
Greenstar FS 151 - KBR42	95%	152	134.4	117	7-733-600-081	<b>\$5,145</b>
<b>COMBI BOILER - HEAT AND TANKLESS DHW COMBINED (SIZE FOR THE DHW DEMANDS)**</b>						
Greenstar FS Combi 100 - KWB28	95%	100	89.4	79	7-733-600-082	<b>\$4,661</b>
Greenstar FS Combi 131 - KWB35	95%	132	116.7	103	7-733-600-083	<b>\$5,078</b>
Greenstar FS Combi 151 - KWB42	95%	152	134.4	117	7-733-600-084	<b>\$5,121</b>

\*\* Includes pump, tank sensor, LPG conversion kit, twin pipe 3" vent adapter

++ Includes integral pump, plate heat exchanger, expansion tank, LPG conversion kit, twin pipe 3" vent adapter



# Technical Specifications

MODEL	COMBI						
	GREENSTAR COMBI 100 COMBI 100P**	GREENSTAR COMBI 131	GREENSTAR COMBI 151 COMBI 151P**	GREENSTAR 79	GREENSTAR 100	GREENSTAR 131	GREENSTAR 151
WALL MODEL	ZWB28-3	ZWB35-3	ZWB42-3	ZBR21-3	ZBR28-3	ZBR35-3	ZBR42-3
FLOOR MODEL	KWB28-3	KWB35-3	KWB42-3	KBR21-3	KBR28-3	KBR35-3	KBR42-3
PERFORMANCE SPECIFICATIONS							
Fuel	NG / LP						
Input Maximum (MBH)	100.0	131.9	151.6	79.2	100.0	131.9	151.6
Input Minimum (MBH)	24.6	36.0	36.0	24.6	24.6	36.0	36.0
DOE Heating Capacity (MBH)	91	118	135	71	91	118	135
Net I=B+R (MBH)	79	103	117	62	79	103	117
AFUE	95%			95%			
DHW Flow Max (ΔT at 72°F), GPM	2.65	3.2	4.0	not applicable			
Water Volume, Gal (L)	0.952 (3.5)			0.952 (3.5)			
TECHNICAL DATA							
Wall Model ► Weight, lbs (without Packaging, kg) ► Dimensions, in. (W x H x D)	110.2 (50) 17 <sup>7</sup> / <sub>5</sub> x 33 <sup>1</sup> / <sub>2</sub> x 13 <sup>9</sup> / <sub>10</sub>			103.6 (47) 17 <sup>7</sup> / <sub>5</sub> x 33 <sup>1</sup> / <sub>2</sub> x 13 <sup>9</sup> / <sub>10</sub>			
Floor Model ► Weight, lbs (without Packaging, kg) ► Dimensions, in. (W x H x D)	136.6 (62) 19 <sup>1</sup> / <sub>2</sub> x 41 x 21 <sup>7</sup> / <sub>8</sub>			132 (60) 19 <sup>1</sup> / <sub>2</sub> x 41 x 21 <sup>7</sup> / <sub>8</sub>			
Optional Base Dimensions	Stand dimensions: 13 <sup>3</sup> / <sub>4</sub> " deep, by 17 <sup>3</sup> / <sub>8</sub> " wide by 20 <sup>5</sup> / <sub>8</sub> " high. Total height of stand and boiler: 54 <sup>1</sup> / <sub>8</sub> "						
Wall Boiler Supply & Return Tappings, in.	1			1			
Floor Boiler Supply & Return Tappings, in.	1 <sup>1</sup> / <sub>4</sub>			1 <sup>1</sup> / <sub>4</sub>			
Domestic Cold Water Supply, in.	¾			not applicable			
Domestic Hot Water Supply, in.	¾			not applicable			
Gas Connection Size, in.	¾			¾			
Vent Size, in.	2 - 3			2 - 3			
Vent Material	PVC / CPVC / PP / PP-Flex			PVC / CPVC / PP / PP-Flex			
Combustion Air Size, in.	2 - 3			2 - 3			
High Altitude Capability	No De-Rating up to 6,000'	No De-Rating up to 6,000'	De-Rating 3% per 1,000'	No De-Rating up to 6,000'	No De-Rating up to 6,000'	No De-Rating up to 6,000'	De-Rating up 3% per 1,000'
Permissible Inlet Gas Pressure ► NG in. Water Column ► LP (propane) in. Water Column	3.5-10.5" 8-13"						

\* Heat only Greenstar models may be used with indirect water tanks to provide domestic hot water  
 \*\* Greenstar PRO does not include the internal expansion tank, integrated control, junction box and any venting



# Controls, Accessories and Venting

Bosch offers comfort room controllers that can be used in single or multizone applications, similar to conventional on/off thermostats in style and use but provide additional energy savings and comfort through load compensation.

**CRC200:** Programmable controller with an integrated temperature sensor can be used for single zoning control or multi-zoning in conjunction with the CZM100. It is remotely mounted in heated space for accurate and responsive temperature control. It features LED back-lit and a time program for space heating and indirect hot water tank and has outdoor reset capability when used with an optional outdoor sensor.

**CZM100:** Three zone control module, for circulator pumps or zone valve activation. This sleek, compact zone control module connects up to three room controllers together for a complete multi-zoning solution. Up to three modules can be combined to expand control up to a maximum of 8 heating zones. It features external front facing LED lights for operational visibility.

**CRC100:** Basic thermostat control with integrated temperature sensor, the CRC100 can be used in conjunction with CZM100 and CRC200 for multi-zone application.



## Controls\*

DESCRIPTION	PART NO.	PRICE
Comfort Zone Manager for up to 3 zones (CZM100)	7-738-110-112	\$425
Basic Comfort Room Controller (CRC100)	7-738-110-090	\$86
Programmable Comfort Room Controller (CRC200)	7-738-111-034	\$153
ICM Cascade Module for Greenstar Boilers	7-719-003-528	\$638
Optional outdoor temperature sensor for warm weather shutdown capability	8-747-207-101-0	\$57

\* CRC200, CRC100 and CZM100 is not compatible with the ICM Cascade Module

## Accessories

DESCRIPTION	PART NO.	PRICE
Cleaning Tool WB5 (Acc-No1061)	7-719-002-503	\$31
Brush set WB5 (Acc-No 1060)	7-719-002-502	\$96
ZWB42 LP Conversion Kit for Combi Pro Series	8-737-701-746-0	\$30
ZWB28 LP Conversion Kit for Combi Pro Series	8-737-701-751-0	\$31
Greenstar Wall Manifold	7-738-007-138	\$363
Floor Stand for the Wall Boilers	7-738-111-216	\$565



## Venting

DESCRIPTION	PART NO.	PRICE
Greenstar 80/125mm Concentric Up and Out Vent Kit	7-738-003-218	\$218
Concentric vent extension PP 80/125 x 10"	7-738-003-238	\$81
Concentric vent extension PP 80/125 x 20"	7-738-003-239	\$84
Concentric vent extension PP 80/125 x 40"	7-738-003-240	\$96
Concentric vent extension PP 80/125 x 80"	7-738-003-241	\$192
Concentric vent elbow PP 80/125 90°	7-738-003-242	\$104
Concentric vent elbow PP 80/125 45°	7-738-003-243	\$93
Concentric vent seal EPDM 80	7-738-003-244	\$7
Concentric Vent PP 80/125 Seal EPDM 125	7-738-003-245	\$8
Twin Pipe Adaptor for Pro Series or replacement	8-718-226-289-0	\$195

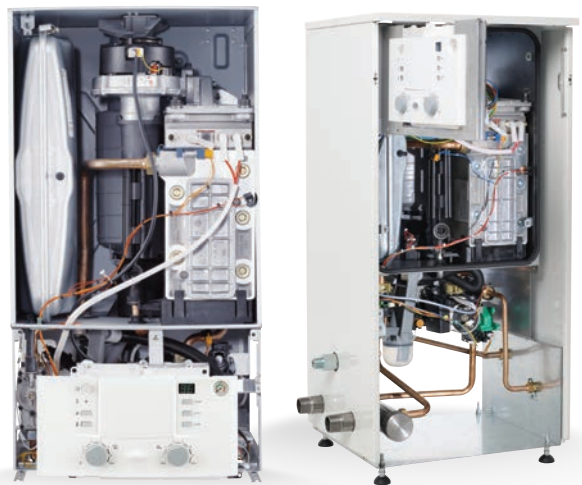


Concentric Up and Out Vent Kit

# Bosch Greenstar Boiler Repair & Cleaning Kits

**Bosch Greenstar is the best-selling boiler in the world (with over 4 million sold)**

There are millions of Bosch Greenstar wall and floor boilers installed world wide. If you install and service these great boilers, you'll want to have our handy repair parts and cleaning kit on hand in your truck. The contents of these kits are necessary for the most common Bosch Greenstar service calls. Get your kit today!



## Greenstar 5 Yr Maintenance Kit

Cleaning the Heat Exchanger for the Bosch Greenstar shouldn't be necessary for a few years after installation. When it comes time to clean it, this kit will come in handy.

DESCRIPTION	ITEM NUMBER	QTY.	PART NO.	PRICE
Brush set WB5 (Includes 5 Brushes and 5 Gaskets (87101031530))	7719002502	1PC	7-738-005-718	<b>\$258</b>
Cleaning tool WB5 (AccNo1061)	7719002503	1PC		
Burner sealing	87110041680	5PC		
Electrode	87186649200	1PC		

## Greenstar Parts Kit

Every component of this Bosch Greenstar Parts Kit was carefully selected based on feedback from technical service calls with contractors like you. This kit contains all of the necessary components for the most common repairs.

DESCRIPTION	ITEM NUMBER	QTY.	PART NO.	PRICE
Control unit HT3 GZT5II	87377046710	1PC	7-738-005-190	<b>\$1,071</b>
Set of electrodes/ignitor assembly	87186649200	1PC		
Gas valve USA	87182263910	1PC		
Diverter valve assembly motor	87161068470	1PC		
Siphon	87105062710	1PC		
Temperature sensor	87145001170	1PC		
Temperature limiter	87229638580	1PC		
Sealing	87101031530	1PC		
Burner sealing	87110041680	1PC		

## Greenstar Ultimate Parts Kit

The Greenstar Ultimate Parts Kit is comprehensive in its contents and designed to address most downtime issues you may have.

DESCRIPTION	ITEM NUMBER	QTY.	PART NO.	PRICE
Electrode	8-718-664-920-0	1PC	7-738-007-193	\$4,250
Burner sealing	8-711-004-168-0	1PC		
Control_unit HT3 GZT5-II	8-737-704-671-0	1PC		
Seal (Service cover) WB5-II plus	8-710-103-153-0	1PC		
Temperature limiter	8-722-963-858-0	1PC		
Gas valve USA	8-718-226-391-0	1PC		
Foot M81	8-716-117-299	1PC		
Supply manifold complete	8-716-106-356-0	1PC		
Fan RG28 USA	8-718-226-184-0	1PC		
Printed Circuit	8-748-300-739-0	1PC		
Pump USA	8-718-226-173-0	1PC		
Flow sensor assembly	8-716-115-754-0	1PC		
Fan RG30 USA	8-718-226-185-0	1PC		
Heat exchanger plates	8-716-108-212-0	1PC		
Sensor	8-737-700-289-0	1PC		
Seal 15mm	8-716-106-435-0	1PC		
Temperature sensor	8-714-500-117-0	1PC		
Fuse	8-744-503-045-0	1PC		
Pump ZBR USA	8-718-226-172-0	1PC		
Flow turbine adapter	8-716-106-433-0	1PC		
Safety valve USA	8-737-703-427-0	1PC		
Temperature limiter	8-710-506-267-0	1PC		
Diverter valve assembly motor	8-716-106-847-0	1PC		
Cylinder temperature sensor	8-737-701-343-0	1PC		
Temperature sensor NTC	8-714-500-087-0	1PC		
Siphon	8-710-506-271-0	1PC		
Air vent valve	8-716-106-445-0	1PC		
Nut M8 with flange	8-718-682-332-0	1PC		
Adapter minimum pressure switch	8-718-226-386-0	1PC		
Ignition harness	8-716-106-799-0	1PC		
Burner	8-718-006-658-0	1PC		
Temperature sensor	8-714-500-081-0	1PC		
Diaphragm valve	8-716-119-295	1PC		
Silencer	8-710-725-353-0	1PC		
Washer	8-729-000-183-0	1PC		
Shield	8-718-003-836-0	1PC		

# A Singular Solution For Reliable Heat & Hot Water

## Bosch Singular Condensing Combi Boilers

Bosch Singular combi boilers are the "singular solution" for efficient, dependable home heating with up to 7.7 gallons per minute of domestic hot water production. Depending on incoming water temperature, Singular can run up to three showers and a dishwasher simultaneously. Singular is a wall-mounted combi boiler that can be used in many hydronic heating applications. Their small, lightweight form makes for easy installation, and the stainless steel heat exchanger system offers excellent performance at a cost-effective price. Singular is highly efficient, with a 95% AFUE rating; this makes your new system eligible for up to 75% savings in local and/or federal energy rebate programs. Visit [BoschHeatingandCooling.com](http://BoschHeatingandCooling.com) to find the available efficiency rebates in your area.♦

- ▶ High-efficiency condensing combi wall boiler - 95% AFUE rating
- ▶ Built-in boiler circulator pump
- ▶ Stainless steel primary & secondary heat exchangers for cost-effective, reliable performance
- ▶ All models are field convertible from NG to LP with included conversion kit
- ▶ Capable of outdoor reset with accessory temperature sensor (not included)
- ▶ Eco-friendly low NOx metal fiber burner
- ▶ Turndown ratio up to 10:1
- ▶ 2" PVC vent up to 60' (3" venting up to 150')
- ▶ Exhaust gas temperature sensor ensures safe operation
- ▶ 10 year heat exchanger, 5 year parts, and 1 year labor limited warranty§





## Bosch Singular Boiler Applications

Singular combi wall boilers provide efficient heating and plenty of hot water for many residential applications. There are two different models to choose from: 155K BTU and 199K BTU. Both can make enough domestic hot water for most residential bathing needs.

## Superior Design & Components

Depending on inlet water temperature, the 4000 can run between 2 and 3 showers and the 5200 can run 3 showers plus a dishwasher. There's plenty of endless hot water available with Singular. Both models have a small footprint and are under 80 pounds, making installation a breeze. Features like an exhaust gas outlet sensor and a standard inlet filter screen to keep out debris provide extra protection for the boiler.

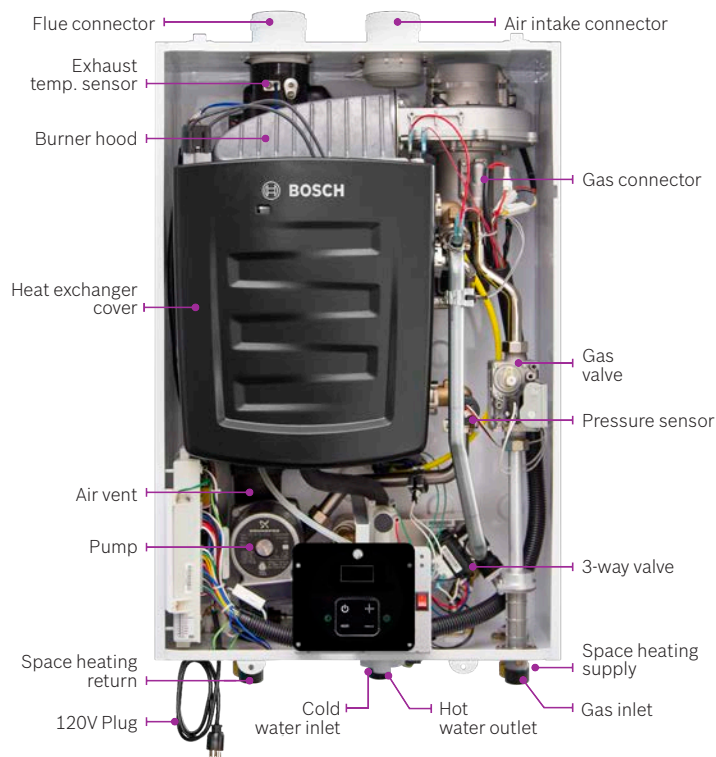
## Residential Limited Warranty<sup>s</sup>

Receive peace-of-mind knowing you will receive a 10 year heat exchanger, 5 year parts, and 1 year labor limited warranty.

This standard offering covers the components incorporated into the Singular boiler at the time of manufacture.

## Singular Accessories

MODEL	PART NO.	PRICE
Outdoor Temp Sensor	7-738-007-304	<b>\$77</b>
Flame Rod Assembly	7-738-007-259	<b>\$11</b>
Electrode Assembly	7-738-007-260	<b>\$11</b>
Singular Manifold	7-738-007-396	<b>\$450</b>



MODELS		SINGULAR 4000	SINGULAR 5200
PART NUMBER		7-738-007-219	7-738-007-220
PRICE		<b>\$2,580</b>	<b>\$2,913</b>
HEAT CAPACITY (INPUT)	SPACE HEATING	19,900–80,000 BTU/H	19,900–140,000 BTU/H
	DOMESTIC HOT WATER	19,900–155,000 BTU/H	19,900–199,000 BTU/H
FLOW RATE (DHW)	45°F (25°C) TEMP RISE	6.0GPM (23LPM)	7.7GPM (29LPM)
	67°F (37°C) TEMP RISE	4.0GPM (15LPM)	5.2GPM (20LPM)
AFUE	NATURAL GAS (PROPANE)	95.0% (95.0%)	95.0% (95.0%)
DIMENSIONS (W X H X D)		18.1" x 27.6" x 11.6" (460 mm x 700 mm x 295 mm)	
INSTALLATION TYPE		Indoor wall-hung	
VENTING METHOD		Forced draft direct vent	
IGNITION		Electronic	
WATER PRESSURE (HYDRONIC/DHW)		12–30psi/15–150 psi	
SUPPLY PRESSURE	NATURAL GAS	3.5" – 10.5" WC	
	PROPANE	8" – 13" WC	
MINIMUM FLOW RATE (DHW)		0.5GPM (1.9LPM)	
TEMPERATURE RANGE	SPACE HEATING	82°F – 180°F (27°C – 82°C)	
	DHW	86°F – 140°F (31°C – 60°C)	
CONNECTION SIZES	SUPPLY/RETURN	1" NPT	
	COLD WATER INLET	3/4" NPT	
	HOT WATER OUTLET	3/4" NPT	
	GAS INLET	3/4" NPT	
POWER SUPPLY	MAIN SUPPLY	120V AC, 60 Hz / use less than 5 AMP	
PRIMARY & SECONDARY HEAT EXCHANGER		Stainless steel	
VENTING	EXHAUST/INTAKE	2" or 3" PVC, CPVC, Polypropylene Special gas vent type BH (Class II, A/B/C)	
	2IN.	60ft (18.3m)	
	3IN.	150ft (45.7m)	
	VENT CLEARANCES	0" to combustibles	
SAFETY DEVICES		Flame rod, APS, over heat preventer, LWCO switch, exhaust temp. high limit sensor, power surge fuse	

# Bosch Singular Boiler Repair & Cleaning Kits

If you install and service Singular boilers, you'll want to have our handy repair parts and cleaning kit on hand in your truck. The contents of these kits are necessary for the most common Bosch Singular service calls. Get your kit today!



## Singular Distributor Parts Kit

DESCRIPTION	ITEM NUMBER	QTY.	PART NO.	PRICE
Touch Pad	7738007238	1PC	7-738-007-413	<b>\$2,700</b>
Air Intake Screen	7738007245	1PC		
Switch, Air pressure 4000	7738007246	1PC		
Switch, Air pressure 5200	7738007247	1PC		
Control Board 4000	7738007248	1PC		
Control Board 5200	7738007249	1PC		
Wire Harness	7738007250	1PC		
Ignition transformer	7738007252	1PC		
High Limit Cutout HEX T2 (302°F)	7738007253	1PC		
Wire, High limit switch	7738007254	1PC		
Heat Exchanger	7738007256	1PC		
Orifice NG	7738007257	1PC		
Orifice LP	7738007258	1PC		
Flame Rod Assembly	7738007259	1PC		
Electrode Assembly	7738007260	1PC		
Diaphragm Valve	7738007261	1PC		
Fan	7738007262	1PC		
Valve, TDR solenoid	7738007264	1PC		
Exhaust Gas Temp Sensor	7738007268	1PC		
Valve, Gas	7738007270	1PC		
Trap, Condensate	7738007273	1PC		
Hose, Condensate	7738007274	1PC		
High Limit Cutout Supply T3 (203°F)	7738007275	1PC		
Heating Return Sensor	7738007277	1PC		
Air vent	7738007282	1PC		
Pump	7738007283	1PC		
Valve, Manual feed	7738007287	1PC		
Flow Switch	7738007289	1PC		
DHW Sensor	7738007295	1PC		
Valve, Diverter	7738007296	1PC		
Pressure sensor	7738007297	1PC		
HX, Flate Plate	7738007299	1PC		
O-ring Kit	7738007302	1PC		
Screw/Packing/Clip Kit	7738007303	1PC		
Outdoor Temperature Sensor	7738007304	1PC		

# Singular Technicians Parts Kit

DESCRIPTION	ITEM NUMBER	QTY.	PART NO.	PRICE
Air Intake Screen	7738007245	1PC	7-738-005-718	\$275
Wire Harness	7738007250	1PC		
High Limit Cutout HEX T2 (302°F)	7738007253	1PC		
Flame Rod Assembly	7738007259	1PC		
Electrode Assembly	7738007260	1PC		
Exhaust Gas Temp Sensor	7738007268	1PC		
High Limit Cutout Supply T3 (203°F)	7738007275	1PC		
Heating Return Sensor	7738007277	1PC		
Air vent	7738007282	1PC		
Flow Switch	7738007289	1PC		
DHW Sensor	7738007295	1PC		
Pressure sensor	7738007297	1PC		
O-ring Kit	7738007302	1PC		
Screw/Packing/Clip Kit	7738007303	1PC		
Outdoor Temperature Sensor	7738007304	1PC		

# Singular Contractor Parts Kit

DESCRIPTION	ITEM NUMBER	QTY.	PART NO.	PRICE
Touch Pad	7738007238	1PC	7-738-007-412	\$683
Air Intake Screen	7738007245	1PC		
Switch, Air pressure 4000	7738007246	1PC		
Switch, Air pressure 5200	7738007247	1PC		
Wire Harness	7738007250	1PC		
Ignition transformer	7738007252	1PC		
High Limit Cutout HEX T2 (302°F)	7738007253	1PC		
Wire, High limit switch	7738007254	1PC		
Orifice NG	7738007257	1PC		
Orifice LP	7738007258	1PC		
Flame Rod Assembly	7738007259	1PC		
Electrode Assembly	7738007260	1PC		
Diaphragm Valve	7738007261	1PC		
Valve, TDR solenoid	7738007264	1PC		
Exhaust Gas Temp Sensor	7738007268	1PC		
Valve, Gas	7738007270	1PC		
Trap, Condensate	7738007273	1PC		
Hose, Condensate	7738007274	1PC		
High Limit Cutout Supply T3 (203°F)	7738007275	1PC		
Heating Return Sensor	7738007277	1PC		
Air vent	7738007282	1PC		
Valve, Manual feed	7738007287	1PC		
Flow Switch	7738007289	1PC		
DHW Sensor	7738007295	1PC		
Valve, Diverter	7738007296	1PC		
Pressure sensor	7738007297	1PC		
HX, Flate Plate	7738007299	1PC		
O-ring Kit	7738007302	1PC		
Screw/Packing/Clip Kit	7738007303	1PC		
Outdoor Temperature Sensor	7738007304	1PC		

# Quality, Versatility, Efficiency, Superior Design

## Buderus GC144 & G234X

Buderus products are acknowledged as the world standard in high efficiency, low emissions hydronic heating. All Buderus products are designed to meet strict safety and environmental regulations. Our boilers are easy to install and are configured for easy access and service. With proper maintenance, Buderus boilers may outlast and outperform similar hot water heating systems, delivering the highest efficiency throughout the operating life.

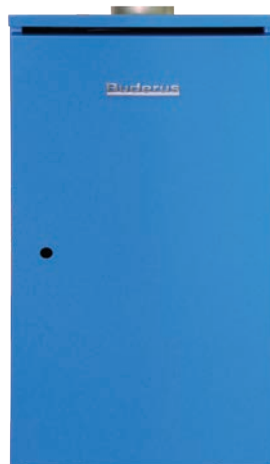
### Stainless Steel Premixed Burners

- ▶ Low emissions with premixed burner technology
- ▶ Factory tested for natural gas operation
- ▶ All models easily convert to propane
- ▶ Complete burner tray is easily removed for cleaning service maintenance
- ▶ Durable, quiet, efficient and designed for long life

### Superior Design

- ▶ Whisper quiet operation with integrated draft inducer
- ▶ Clean combustion, extremely high efficiency, economical operation, and longevity
- ▶ Buderus boilers are the perfect central heating source for single or multiple family homes and help assure reliable heating for many years
- ▶ Attractive design with front accessible controls
- ▶ All sections are tightly joined and sealed; patented GL-180M silicone-injected, gray cast iron provides excellent resistance to corrosion and thermal shock

Buderus GC144



Buderus G234X





## Quality

Buderus patented GL-180M silicone injected, gray cast iron has excellent corrosion resistance against acidic combustion products, exceptional casting characteristics, and 40% greater flexibility and elasticity as well as high thermal conductivity to resist thermal shock under conditions of rapid temperature change. Quality and advanced engineering are also proven in the operation of the boilers.

The Buderus cast-iron sections are tightly joined together and sealed, ensuring a long life. Special compounds provide a gas-tight seal for safe and efficient operation. Staggered, contoured fins provide optimum heat transfer and efficiency, while the integrated draft inducer provides the added benefit of quiet operation. All of this is packaged in an attractive design with front accessible controls.

## Efficiency

These Buderus boilers are available for use with natural gas or can be easily converted to propane. Factory tested stainless steel premixed burners allow for low emissions, and superior thermal insulation virtually eliminates standby temperature losses. Buderus boilers are designed for a long life, providing efficiency and durability for the homeowner, unsurpassed by the competition.



# GC144 Residential Gas-Fired Non-Condensing Boilers

## 74,000–132,000 BTU Intermittent Ignition Models

The Buderus GC144 boiler is a compact, modular boiler with all the features and benefits Buderus customers have come to expect. Designed for replacement applications, the GC144 is capable of delivering AFUE efficiencies up to 85%, with heating capacities of 74,000 thru 132,000 BTU/HR. All GC144 boilers are CSA approved for installation on combustible floors.

The GC144 features Buderus' patented GL-180M Flexible Cast Iron and unique stainless steel premix burners for maximum corrosion resistance. Additional standard equipment on the GC144 includes high precision castings with threaded steel nipples, tridicator gauge, 30 psi relief valve, a circulator, a built-in draft hood with integral draft diverter and vent damper and Beckett Aquasmart aquastat.

All models are shipped ready for natural gas operation, and can be easily field converted to LP gas operation using optional conversion kit.



MODEL	# OF SECTIONS	AFUE %	INPUT RATE BTU/HR	HEATING CAPACITY BTU/HR	NET RATINGS BTU/HR	PART NO.	PRICE
GC144/18	3	85	74,000	62,00	54,000	7-738-503-407	\$3,550
GC144/25	4	85	103,000	87,000	76,000	7-738-503-408	\$3,856
GC144/32	5	85	132,500	112,000	97,000	7-738-503-409	\$4,369

### LP Conversion Kits

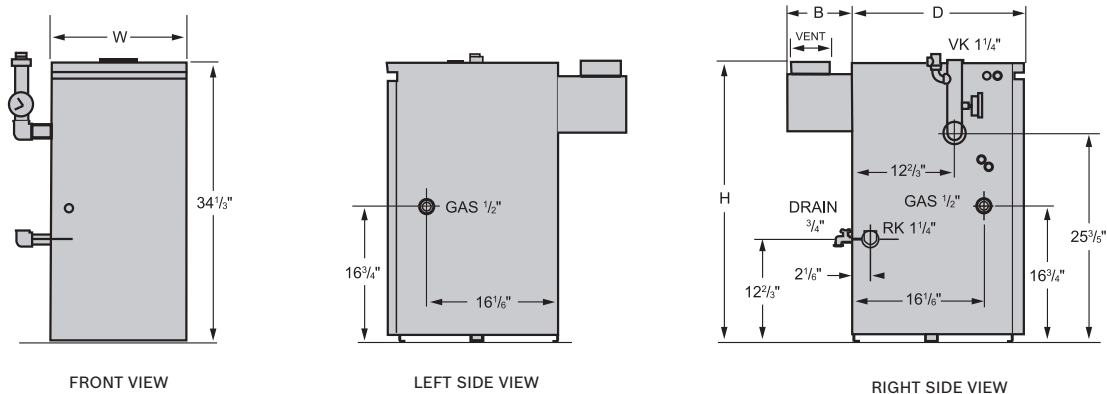
INTERMITTENT IGNITION MODEL	0-8,500 (ELEVATION IN FT.) KIT NO.	PRICE
GC144/18 - 3 section	7-736-660-258	\$87
GC144/25 - 4 section	7-736-660-259	\$87
GC144/32 - 5 section	7-736-660-260	\$87

### Accessories

MODEL	PART NO.	PRICE
Gas Boiler Cleaning Brush	1-636-20	\$35
GVD-5 Field 5" Vent Damper, for GC-144/3, GC-144/4	4-635-310-3	\$231
GVD-6 Field 6" Vent Damper, for GC-144/5	4-635-320-3	\$234

### GC144 Dimensions and Connections

Side and front view measurements in inches.



MODEL	PIPING CONNECTIONS SUPPLY	PIPING CONNECTIONS RETURN	VENT CONNECTION	B	H	W	D	DRY WEIGHT
GC144/3II	1 1/4" NPT	1 1/4" NPT	5"	8"	34 3/8"	13 1/8"	21 1/2"	228 lbs
GC144/4II	1 1/4" NPT	1 1/4" NPT	5"	8 2/3"	34 3/8"	16 3/4"	21 1/2"	287 lbs
GC144/5II	1 1/4" NPT	1 1/4" NPT	6"	9 1/2"	34 3/8"	20 3/8"	21 1/2"	350 lbs

# G234X Gas-Fired Boilers

## 160,000–266,000 BTU Intermittent Ignition Models

The G234X Series Gas Boiler features low temperature operation and special GL-180M cast iron, low emissions with premixed burner technology. Vent damper for all models is included. Standard equipment includes stainless steel burners, factory assembled and wired boiler, all slow opening gas valve, tridicator, and 3" insulated jacket. Boilers are set for natural gas at sea level. Circulator not included. The standard B-Kit includes 30 lb. relief valve and boiler drain, and 3/4 inch black malleable steel 90°.



MODEL	AFUE %	INPUT RATE BTU/HR	HEATING CAPACITY BTU/HR	NET RATINGS BTU/HR	PART NO.	PRICE
G234X/38	84	160,000	130,000	113,000	7-738-503-410	\$5,035
G234X/45	84	187,000	154,000	134,000	7-738-503-411	\$5,587
G234X/55	84	228,000	188,000	163,000	7-738-503-412	\$6,041
G234X/64	84	266,000	219,000	190,000	7-738-503-413	\$6,738

Includes AquaSmart boiler control, Vent Damper, Piping Kit with Pressure Relief Valve

### Accessories

MODEL	PART NO.	PRICE
Gas Boiler Cleaning Brush, G124X, G234X, G334X	1-636-20	\$35
7" Vent damper for G234X/38 - G234X/45 - G234X/55	4-635-330-3	\$289
8" vent damper for G234X/64	4-635-340-3	\$271

### Controls

DESCRIPTION	PART NO.	PRICE
Beckett-Aquasmart Control	8-718-588-223	\$326
Boiler Aquasmart Sensor	7-738-006-262	\$53
Sensor Well Brass Aquasmart	7-738-006-263	\$39

### LP Conversion Kits

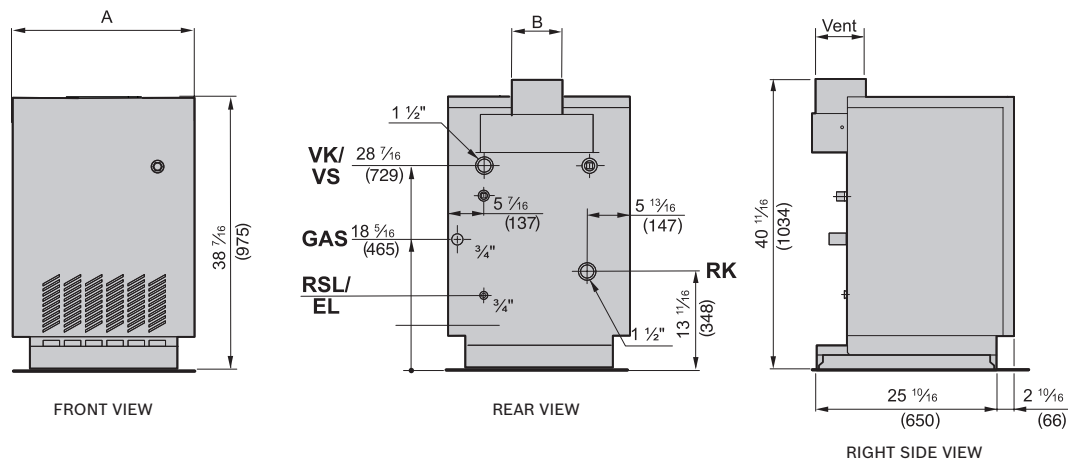
MODEL	0-8,500 (ELEVATION IN FEET)		8,501-12,000 (ELEVATION IN FEET)	
	KIT NO.	PRICE	KIT NO.	PRICE
G234X-38	8-718-589-175	\$88	7-738-001-239	\$76
G234X-45	8-718-589-176	\$87	7-738-001-245	\$76
G234X-55	8-718-589-177	\$87	7-738-001-256	\$76
G234X-64	8-718-589-178	\$86	7-738-001-266	\$76

### High Altitude Conversion Kits

MODEL	0-8,500 (ELEVATION IN FEET)		8,501-12,000 (ELEVATION IN FEET)	
	KIT NO.	PRICE	KIT NO.	PRICE
G234X-38	Factory Installed		7-738-001-235	\$44
G234X-45	Factory Installed		7-738-001-235	\$44
G234X-55	Factory Installed		7-738-001-252	\$44
G234X-64	Factory Installed		7-738-001-262	\$44

### G234X Dimensions and Connections

Rear, side and front view measurements in inches.



MODEL	WIDTH	VENT SIZE	BOILER WATER CONTENT	DRY WEIGHT
G234X38	25 9/16"	7"	6.1 Gal.	487 lbs
G234X45	25 9/16"	7"	6.1 Gal.	487 lbs
G234X55	29 1/8"	7"	7.1 Gal.	565 lbs
G234X64	32 3/4"	8"	8.2 Gal.	684 lbs





# Comfortable, Efficient & Intelligent Heating

## Buderus G115WS & G215

Keeping your home comfortable and warm is a high priority—but it doesn't have to come at a high cost. Whether you heat by baseboard, panel radiators, hydro-air systems or radiant flooring, our advanced heating systems will provide many years of exceptional comfort and savings. A conventional boiler heats and circulates water at only one temperature—typically 170° to 180°F until the thermostat signals it to stop. A Buderus boiler, especially when paired with the Logamatic control, eliminates these room temperature swings by adjusting the boiler water temperature to the current conditions, saving fuel while keeping you warm and comfortable.

### Features

- ▶ Designed to operate at any return water temperature
- ▶ Full swing burner door for easy & quick, thorough cleaning
- ▶ No refractory parts for reduced maintenance
- ▶ Boiler fully serviced and cleaned from the front
- ▶ Cast iron breaching for long life
- ▶ Thermostream design increases efficiency & reliability
- ▶ High efficiency through full three-pass boiler design



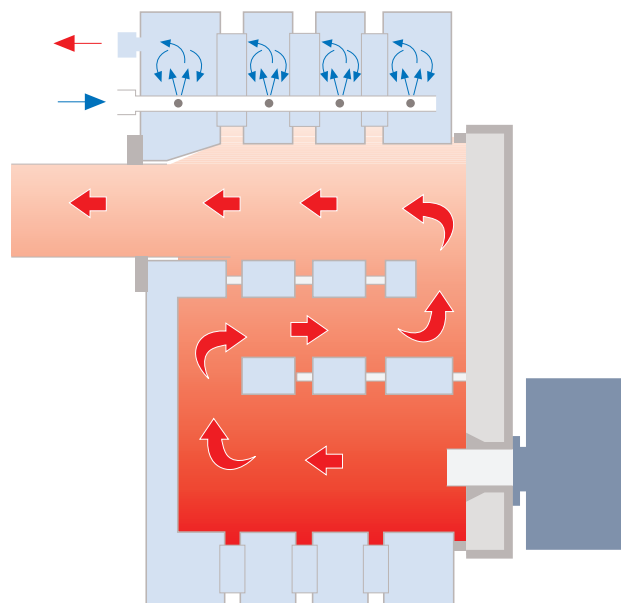


## The Three-Pass Boiler Design

- ▶ Optimized combustion with positive pressure-fired boilers and tailored chamber geometry—no need for a heat-consuming refractory or target wall eliminating the need for costly repairs
- ▶ Minimal stack losses with the modified three-pass flue design's large heat transfer areas
- ▶ Low standby losses with a full 3½" to 4" jacket of thermal insulation around the entire block—even underneath the boiler

## How It Works

The flame fires into the first chamber. Then the flue products flow through the second pass to the front of the boiler. From there they reverse direction again—moving through the third pass to the back, and finally exiting via the flue connection into the chimney. Because the gases are held in the boiler longer this allows the cast iron to absorb the maximum amount of heat, resulting in a lower stack temperature and a higher efficiency.



## Putting Energy To Work

Buderus developed a full three-pass system which increases the efficiency of the boilers. With single-pass boilers, the flue products have only one chance to heat the water. Buderus three-pass boilers triple this opportunity. The unique way heat flows through the G115WS and G215 boilers allows the water to be heated three separate times. The full 3" thick thermal insulation helps to maintain a higher water temperature even after the boiler has gone into standby mode.



# G115WS Residential Oil-Fired Boilers<sup>(1)</sup>

## 85,000–136,000 BTU Chimney or Direct Vented

The G115WS Series Boiler has 3" of insulation. The boiler is shipped with blue enameled metal jacket installed.

- ▶ Boiler pricing includes standard B-Kit comprised of: burner mounting bolt set, 1-1/4" x 1-1/4" x 3/4" x 1/4" supply manifold, 1-1/4" black malleable 90° Elbow, 1-1/4" x 3" black Malleable Nipple (BST x NPT), 3/4" black malleable St. 90° elbow, 3/4" MNPT quarter turn boiler drain, 30lb. relief valve, temperature and pressure gauge and adjustable boiler feet.
- ▶ The optional KP Kit includes a Beckett, Riello, or Carlin customized oil burner set up for specific boiler, nozzle, recommended settings, special air tube and firing pin, Grundfos circulator with flanges and built-in flow check; Hydrolevel Hydrostat 3250 control; and a 3' flexible oil line and wiring harness.
- ▶ Vent Kit for direct venting available. Direct vent units must be ordered with KP Kit & termination.
- ▶ For DHW the G115WS pairs perfectly with our vertical tanks or stacked on top of LT tank.



Note: A blocked vent switch (WMO-1) is required for Canadian CSA approval. Bkit is packaged in the boiler chamber - part number is 63029762

MODEL	SECTIONS	FIRING RATE GPH CHIMNEY	AFUE %	HEATING CAPACITY BTU/HR.	NET RATING BTU/HR.	PART NO.	PRICE
G115WS/21	3	0.7	87	85,000	74,000	7-747-019-702	<b>\$2,251</b>
G115WS/28	4	0.9	87	109,000	95,000	7-747-019-703	<b>\$2,578</b>
G115WS/34	5	1.1	87	136,000	118,000	7-747-019-704	<b>\$2,820</b>

### Optional KP Kits

CHIMNEY VENT BURNER KITS	MODEL	HYDROSTAT	
		PART NO.	PRICE
G115WS/3 KP Kits	Beckett NX	7-738-004-838	<b>\$1,587</b>
	Beckett AFG	7-738-004-856	<b>\$1,539</b>
	Riello F3	7-738-004-841	<b>\$1,562</b>
	Carlin EZ-1	7-738-004-844	<b>\$1,349</b>
G115WS/4 KP Kits	Beckett NX	7-738-004-839	<b>\$1,587</b>
	Beckett AFG	7-738-004-857	<b>\$1,539</b>
	Riello F5	7-738-004-842	<b>\$1,562</b>
	Carlin EZ-1	7-738-004-845	<b>\$1,349</b>
G115WS/5 KP Kits	Beckett NX	7-738-004-840	<b>\$1,587</b>
	Beckett AFG	7-738-004-858	<b>\$1,539</b>
	Riello F5	7-738-004-843	<b>\$1,562</b>
	Carlin EZ-1	7-738-004-846	<b>\$1,349</b>
DIRECT VENT BURNER KITS	MODEL	HYDROSTAT	
		PART NO.	PRICE
G115WS/3 KP KITS	Beckett NX	7-738-004-847	<b>\$1,645</b>
	Riello BF3	7-738-004-850	<b>\$2,204</b>
	Carlin EZ-1	7-738-004-853	<b>\$1,638</b>
G115WS/4 KP KITS	Beckett NX	7-738-004-848	<b>\$1,645</b>
	Riello BF3	7-738-004-851	<b>\$2,204</b>
	Carlin EZ-1	7-738-004-854	<b>\$1,638</b>
G115WS/5 KP KITS	Beckett NX	7-738-004-849	<b>\$1,645</b>
	Riello BF5	7-738-004-852	<b>\$2,204</b>
	Carlin EZ-1	7-738-004-855	<b>\$1,638</b>

### Controls

DESCRIPTION	PART NO.	PRICE
2107 Logamatic Control Includes DHW Package	8-718-573-874	<b>\$1,147</b>
FM 241 Mixing Valve Module for 2107	5-016-598	<b>\$383</b>
FM 242 2-Stage or Modulating Firing Module for 2107	5-016-602	<b>\$257</b>
2107 BFU Room Sensor	5-720-724	<b>\$165</b>
Hydrostat Jacket/Wall Mounting Kit	7-738-003-609	<b>\$56</b>
Hydrostat Outdoor Sensor Kit	7-738-003-610	<b>\$60</b>
Control/well/sensor	7-738-003-606	<b>\$249</b>
Control only	7-738-003-607	<b>\$226</b>
Sensor only	7-738-003-608	<b>\$25</b>
Well only	7-738-003-611	<b>\$48</b>

Refer to Control Section for more information.

### Accessories

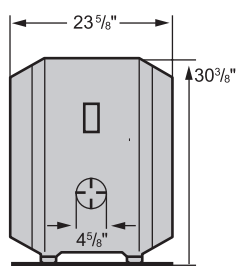
DESCRIPTION	PART NO.	PRICE
G115WS, 215, 315 Cleaning Brush Kit	7-738-001-110	<b>\$76</b>
G115WS Flue Gas Silencer - 130MM	5-074-498	<b>\$884</b>
Flexible Oil Line, #2 Fuel & B20 Bio Fuel	7-738-005-280	<b>\$58</b>

### Direct Venting

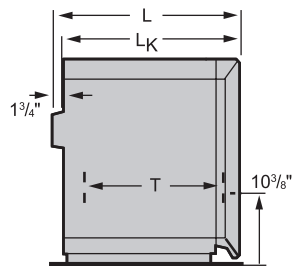
DESCRIPTION	PART NO.	PRICE
46483400 4" Fields Termination Hood W/V	F-T4	<b>\$685</b>
Aerocowel Termination Hood 4"	A-T4	<b>\$685</b>
OVC-10 Field 4"x10' S/Steel FI	4-648-410-0	<b>\$524</b>

## G115WS Dimensions and Connections

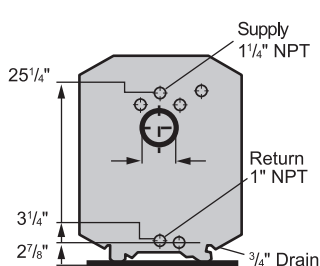
Front, side, rear and top view measurements in inches.



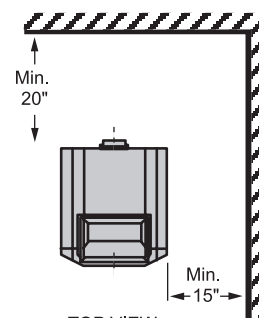
FRONT VIEW



SIDE VIEW



REAR VIEW

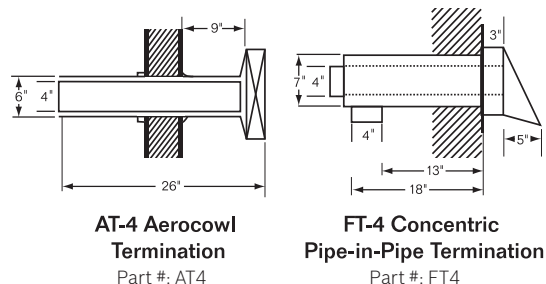


TOP VIEW

MODEL	G115WS/3	G115WS/4	G115WS/5
<b>PERFORMANCE DATA DATA (FOR CHIMNEY VENT MODELS)</b>			
Gross Output BTU/Hr.	85,000	109,000	136,000
Net IBR BTU/Hr.	74,000	95,000	118,000
Firing Rate (GPH)	0.7	0.9	1.1
AFUE %	87	87	87
<b>PIPING CONNECTION</b>			
# of Sections	3	4	5
Vent Connection Size	5"	5"	5"
Supply	1 1/4"	1 1/4"	1 1/4"
Return	1"	1"	1"
<b>PHYSICAL DIMENSIONS</b>			
Overall Boiler Length (L)	23 5/8"	28 5/8"	33 3/8"
Boiler Block Length (LK)	21 1/4"	25 3/4"	30 1/2"
Minimum Boiler Width	18"	18"	18"
Boiler Width	23 5/8"	23 5/8"	23 5/8"
Minimum Boiler Height	33 1/2"	33 1/2"	33 1/2"
Height	34 1/2"	34 1/2"	34 1/2"
Boiler Feet Spacing	10 3/8"	16 1/2"	20 7/8"
Fire Box Depth (T)	16"	20 1/2"	25 1/4"
Dry Weight (lbs.)	330	403	476
Water Content (gal.)	8.7	10.8	12.9

## G115WS Direct Vent Installation Tips

- ▶ ETL approved with two 4" 90° elbows, and up to 6' of a 4" regular smoke pipe for short vent runs. For longer vent runs, use up to a maximum of 10' flexible stainless steel insulated oil vent.
- ▶ Use 4" metal pipe for air intake. Use at least 6' to 8' of 4" metal pipe for intake in conditioned space in cold climates (below -20° F).
- ▶ Direct vent burners are equipped with pre-and-post-purge cycles for safe, complete exhaust of all combustion products, while cooling oil burner nozzle for positive shut off.



One of the two ETL certified terminations are required for use with G115WS series boilers for direct vent applications. Both terminations are "zero clearance" systems for easy and versatile applications.

# G215 Thermostream Residential<sup>(1)</sup>

## Oil-Fired Boilers 134,000–294,000 BTU

The G215 with Thermostream design allows unrestricted return water temperatures and eliminates thermal shock. Boiler has 3" of insulation and is shipped un-jacketed for ease of access and installation.

- ▶ Boiler pricing includes standard B-Kit (part #63032224) comprised of: burner mounting bolt set, 1-1/2" x 1-1/2" x 1/4" supply manifold, 1-1/4" x 3/4" black malleable bushing, 1" black malleable plug, 3/4" black malleable st. 90° elbow, 3/4" MNPT quarter turn boiler drain, 30lb. relief valve. temperature and pressure gauge
- ▶ The optional KP kit includes a Beckett, Riello, or Carlin customized oil burner set up for specific boiler, nozzle, recommended settings, special air tube and firing pin, Grundfos circulator with flanges and built-in flow check; Hydrolevel Hydrostat 3250 control; and a 3' flexible oil line.
- ▶ Vertical and horizontal DHW tanks are available with this boiler.



MODEL*	SECTIONS	FIRING RATE GPH	AFUE %	HEATING CAPACITY BTU/HR.	NET RATING BTU/HR.	PART NO.*	PRICE
G215/3	3	1.10	87	134,000	117,000	7-738-000-111	\$3,120
G215/4	4	1.40	87	171,000	149,000	7-738-000-112	\$3,525
G215/5	5	1.70	87	207,000	180,000	7-738-000-113	\$4,021
G215/6	6	2.10	87	256,000	223,000	7-738-000-114	\$5,020
G215/7	7	2.50	87	294,000	256,000	7-738-000-115	\$6,225

\* Includes B-Kit with Tridicator and Pressure Relief Valve

### Optional KP Kits

CHIMNEY VENT BURNER KITS	MODEL	HYDROSTAT	
		PART NO.	PRICE
G215/3	Beckett AFG	7-738-004-859	\$1,584
	Riello F5	7-738-004-864	\$1,604
	Carlin EZ-1	7-738-004-869	\$1,352
G215/4	Beckett AFG	7-738-004-860	\$1,584
	Riello F5	7-738-004-865	\$1,604
	Carlin EZ66	7-738-004-870	\$1,352
G215/5	Beckett CF375	7-738-004-861	\$1,814
	Riello F10	7-738-004-866	\$2,094
	Carlin EZ66	7-738-004-871	\$1,352
G215/6	Beckett CF375	7-738-004-862	\$1,814
	Riello F10	7-738-004-867	\$2,094
G215/7	Riello F10	7-738-004-868	\$2,094

### Accessories

MODEL	PART NO.	PRICE
G115WS, 215, 315 Cleaning Brush Kit	7-738-001-110	\$76
6" Flue Gas Silencer G215	5-074-542	\$1,207
Flexible Oil Line, #2 Fuel & B20 Bio Fuel	7-738-005-280	\$58

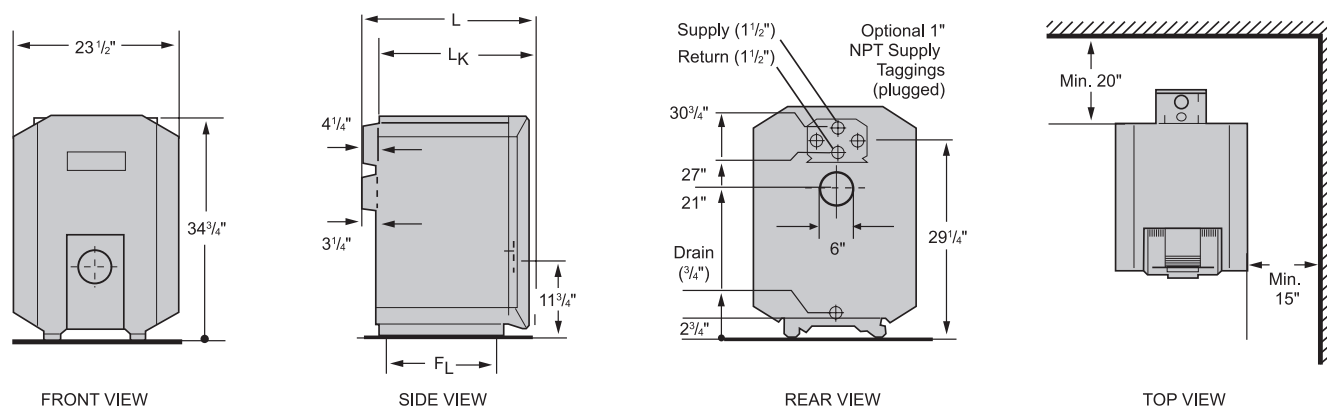
### Controls

MODEL	PART NO.	PRICE
2107 Logamatic Control Includes DHW Package	8-718-573-874	\$1,147
FM 241 Mixing Valve Module for 2107	5-016-598	\$383
FM 242 2-Stage or Modulating Firing Module for 2107	5-016-602	\$257
2107 BFU Room Sensor	5-720-724	\$165
Hydrostat Jacket/Wall Mounting Kit	7-738-003-609	\$56
Hydrostat Outdoor Sensor Kit	7-738-003-610	\$60
Control/well/sensor	7-738-003-606	\$249
Control only	7-738-003-607	\$226
Sensor only	7-738-003-608	\$25
Well only	7-738-003-611	\$48

Refer to Control Section for more information. (1) Control is sold separately

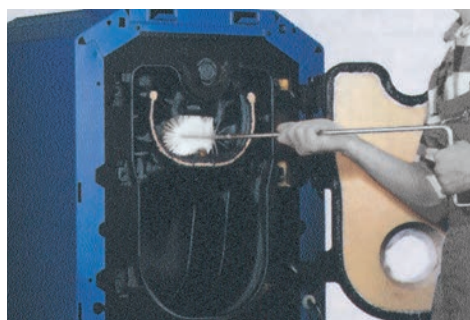
## G215 Dimensions and Connections

Front, side, rear and top view measurements in inches.



MODEL	G215/3	G215/4	G215/5	G215/6	G215/7
<b>PERFORMANCE DATA</b>					
Gross Output BTU/Hr.	134,000	171,000	207,000	256,000	294,000
# of Sections	3	4	5	6	7
Max Input Oil BTU/Hr.	154,000	196,000	238,000	294,000	350,000
Net IBR BTU/Hr.	117,000	149,000	180,000	223,000	256,000
Firing Rate (GPH)	1.1	1.4	1.7	2.1	2.5
AFUE %	87	87	87	87	86.7*
<b>Piping Connections</b>					
Vent Connection Size	6"	6"	6"	6"	6"
Supply	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Return	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
<b>PHYSICAL DIMENSIONS</b>					
Overall Boiler Length (L)	26 1/4"	31"	35 3/4"	40 1/2"	45 1/2"
Boiler Block Length (L_K)	22"	26 3/4"	31 1/2"	36 1/4"	41"
Minimum Boiler Width	18"	18"	18"	18"	18"
Boiler Width	23 1/2"	23 1/2"	23 1/2"	23 1/2"	23 1/2"
Minimum Boiler Height	33 1/2"	33 1/2"	33 1/2"	33 1/2"	33 1/2"
Height	34 1/2"	34 1/2"	34 1/2"	34 1/2"	34 1/2"
Boiler Feet Spacing	13 3/4"	18"	22 1/2"	27 1/4"	32"
Fire Box Depth (T)	16 3/4"	21 1/2"	36 3/4"	31"	35 3/4"
Fire Box Volume ( cu. ft.)	1.35	1.73	2.10	2.48	2.86
Dry Weight (lbs.)	400	500	600	700	800
Water Content	12.9	16.1	19.3	22.5	25.6
<b>RECOMMENDED CLEARANCES FOR EASE OF SERVICEABILITY</b>					
Side	15"	15"	15"	15"	15"
Rear	20"	20"	20"	20"	20"

\*Rating is for Combustion Efficiency, Thermal Efficiency is 83.9



The full swing burner door on the combustion chamber allows for easy, thorough and proper cleaning in a fraction of the time it takes to clean a conventional boiler. Full swing burner door is featured on all residential oil boilers.



# The Furnace Your Home Is Waiting For

## Bosch BGH96 Furnace<sup>1</sup>

Introducing Bosch's first condensing furnace, the BGH96 Series. With 96% AFUE heating efficiency and a multipoise design, it is the perfect solution to efficiently heat your home. The multipoise design makes it even easier to replace your existing equipment or install them in your new home. You can also integrate the Bosch BGH96 Furnace with Bosch's IDS Outdoor Units and Cased Coils\* for a complete and highly efficient heating and cooling system. Between ease of installation, integration and troubleshooting, this Bosch Furnace offers convenience and peace of mind.

### Features

- ▶ Up to 96% AFUE heating efficiency, ENERGY STAR rated
- ▶ 5-year parts limited warranty, 20 year heat exchanger limited warranty<sup>§</sup>
- ▶ Reliable, proven two-stage design
- ▶ 3-way multipoise design allows for flexibility in multiple types of installations, available in upflow (right or left return) and horizontal orientations
- ▶ Field convertible gas type for hassle-free installation, all furnaces come standard with a natural gas to propane gas conversion kit
- ▶ 2 stage x13 ECM motors for all models for quiet and efficient operation
- ▶ Hot-surface ignition for dependable operation
- ▶ Durable aluminized steel tubular heat exchanger and stainless-steel secondary heat exchanger
- ▶ Pairs with Bosch BOVB18 or BOVA20 heat pump, reaching up to 19 SEER
- ▶ Low profile cabinet construction allows for installation in tight spaces. Convenient left or right-hand connection for gas and electric service. The cabinet is painted galvanized steel with an anti-rust coating, that passes a 500 hours salt spray test
- ▶ LED fault diagnostics for quick and easy service calls



\*IDS Outdoor Units (BOVA Models) and Cased Coils (BMAC Models)

<sup>§</sup>10 year limited parts warranty and lifetime warranty on heat exchangers, both if registered within 60 days of installation, please go to [boschheatingandcooling.com](http://boschheatingandcooling.com) for full limited warranty details

(1) NOTICE: This product is not to be sold or installed in the State of California in the South Coast Air Quality Management District or San Joaquin Valley Air Basin territory.

# Why Choose The Bosch BGH96 Furnace

## Savings

Homeowners will see the savings on their energy bills by converting up to 96% of the fuel purchased to heat their home. The furnace's two-stage gas valve switches between high and low fire settings, allowing enhanced comfort and more efficient operation than single stage technology.

## System Efficiency

Dual fuel systems are the ideal solution to maximize comfort and efficiency. Bosch offers a complete dual fuel system with the Bosch Inverter Ducted Split (IDS) heat pump, Bosch BMAC cased coil, Bosch 96% AFUE Gas Furnace and the Bosch Connected Control thermostat. In the summer, the Bosch IDS efficiently cools and dehumidifies your home. In the shoulder seasons, the IDS system will provide the exact amount of heating or cooling that your home requires, no more, no less. In the colder months, the system senses when it is more economical for the heat pump to shut off and the Bosch BGH96 gas furnace to take over. Installing a Bosch matched dual fuel system is the best choice to optimize both savings and comfort.

## Residential Limited Warranty<sup>s</sup>

With the residential limited warranty, you receive peace-of-mind knowing you will receive replacement parts protection for up to 5 years and up to 20 years on the heat exchanger. This offering covers all components incorporated into the BGH96 Furnace at the time of manufacture. All other components or parts that are purchased from Bosch and installed in the field have a 1 year parts warranty.

**20 Year**  
Heat Exchanger  
Warranty

## The Complete & Highly Efficient Dual Fuel Heating and Cooling System For Your Home



### Bosch BGH96 96% Furnace\*

The BGH96 Gas Furnace offers up to 96% efficiency, a two-stage gas valve, and a multi-speed blower. This ENERGY STAR rated furnace offers premium comfort and energy savings, it is the perfect solution to efficiently heat your home.



### Bosch BMAC Cased Coil\*

The Inverter Ducted Split Cased Coil, when paired with a Bosch Furnace and IDS outdoor condensing section, delivers some of the best comfort levels and efficiency on the market today. Bosch offers a complete range of cased coils to fit your needs.



### Bosch BOVB18 or BOVA20 Outdoor Unit\*

The robust Bosch Inverter Ducted Split Air Source Heat Pump system utilizes just the right amount of energy to achieve ultimate comfort and maximum efficiency while keeping sound levels to a minimum. Choose between the BOVB18 or the BOVA20 for maximum efficiency.



### Bosch BCC100 Wi-fi Thermostat\*


The BCC100 is a sleek, internet-connected thermostat that offers easy all-in-one control for your heating and cooling systems. It can be controlled using the Bosch Connected Control app and is compatible with most 24VAC HVAC equipment on the market.

BOVB18 + CASED COIL + 96% FURNACE AHRI 210/240 Performance Data										
SYSTEM	OUTDOOR UNIT	CASED COIL	FURNACE MODEL	HEAT PUMP COOLING CAPACITY (BTU/HR)			HEAT PUMP HEATING CAPACITY (BTU/HR)			CFM
				TOTAL	EER***	SEER****	HI	HSPF*****	LOW	
2 Ton	BOVB-36HDN1-M18M	BMAC2430ANTD	BGH96M060B3B	23600	12.5	18	24000	9.5	17200	820/630
	BOVB-36HDN1-M18M	BMAC2430ANTD	BGH96M080B3B	23600	12.5	18	24000	9.5	17200	800/580
	BOVB-36HDN1-M18M	BMAC2430BNTD	BGH96M060B3B	24000	12.5	18	24000	9.5	17200	860/680
	BOVB-36HDN1-M18M	BMAC2430BNTD	BGH96M080B3B	24000	12.5	18	24000	9.5	17200	840/630
3 Ton	BOVB-36HDN1-M18M	BMAC3036ANTD	BGH96M060B3B	33000	10.5	16.5	34200	9	22600	1050/800
	BOVB-36HDN1-M18M	BMAC3036ANTD	BGH96M080B3B	33000	10.5	16.5	34200	9	22600	1020/800
	BOVB-36HDN1-M18M	BMAC3036BNTD	BGH96M060B3B	33600	10.6	16.5	34200	9	23000	1100/850
	BOVB-36HDN1-M18M	BMAC3036BNTD	BGH96M080B3B	33600	10.6	16.5	34200	9	23000	1070/850
	BOVB-36HDN1-M18M	BMAC3036CNTD	BGH96M080C4B	34000	10.6	16.5	34200	9	23000	1050/820
	BOVB-36HDN1-M18M	BMAC3036CNTD	BGH96M100C5B	34000	10.6	16.5	34200	9	23000	1150/750
4 Ton	BOVB-60HDN1-M18M	BMAC4248BNTF	BGH96M080B3B	43000	10.5	17.5	45500	9	31000	1250/1050
	BOVB-60HDN1-M18M	BMAC4248CNTF	BGH96M080C4B	43000	11	18	45500	9	31000	1250/1050
	BOVB-60HDN1-M18M	BMAC4248CNTF	BGH96M100C5B	45000	11.2	18	47000	9	31400	1450/1150
	BOVB-60HDN1-M18M	BMAC4248DNTF	BGH96M100D5B	45500	11.2	18	47000	9	32000	1500/1200
	BOVB-60HDN1-M18M	BMAC4248DNTF	BGH96M120D5B	45500	11.2	18	47000	9	32000	1500/1200
5 Ton	BOVB-60HDN1-M18M	BMAC4860CNTF	BGH96M100C5B	52500	10	17	53500	9.5	37000	1450/1150
	BOVB-60HDN1-M18M	BMAC4860DNTF	BGH96M100D5B	53000	10.5	17.5	54000	9.5	38000	1500/1200
	BOVB-60HDN1-M18M	BMAC4860DNTF	BGH96M120D5B	53000	10.5	17.5	54000	9.5	38000	1500/1200

BOVA20 + CASED COIL + 96% FURNACE AHRI 210/240 PERFORMANCE DATA										
SYSTEM	OUTDOOR UNIT	CASED COIL	FURNACE MODEL	HEAT PUMP COOLING CAPACITY (BTU/HR)			HEAT PUMP HEATING CAPACITY (BTU/HR)			CFM
				TOTAL	EER***	SEER****	HI	HSPF*****	LOW	
2 Ton	BOVA-36HDN1-M20G	BMAC2430ANTD	BGH96M060B3B	24000	13	18.5	24000	10	18000	820/630
	BOVA-36HDN1-M20G	BMAC2430ANTD	BGH96M080B3B	24000	13	18.5	24000	10	18000	800/580
	BOVA-36HDN1-M20G	BMAC2430BNTD	BGH96M060B3B	24000	13.5	19	24000	10	19000	860/680
	BOVA-36HDN1-M20G	BMAC2430BNTD	BGH96M080B3B	24000	13.5	19	24000	10	19000	840/630
3 Ton	BOVA-36HDN1-M20G	BMAC3036ANTD	BGH96M060B3B	32200	11.2	17	34000	10	25000	1050/800
	BOVA-36HDN1-M20G	BMAC3036ANTD	BGH96M080B3B	32200	11.2	17	34000	10	25000	1020/800
	BOVA-36HDN1-M20G	BMAC3036BNTD	BGH96M060B3B	33000	11.6	17.5	34200	10	25000	1100/850
	BOVA-36HDN1-M20G	BMAC3036BNTD	BGH96M080B3B	33000	11.6	17.5	34200	10	25000	1070/850
	BOVA-36HDN1-M20G	BMAC3036CNTD	BGH96M080C4B	33600	12	18	34200	10	25000	1050/820
	BOVA-36HDN1-M20G	BMAC3036CNTD	BGH96M100C5B	33600	12	18	34200	10	25000	1150/750
	BOVA-36HDN1-M20G	BMAC4248BNTF	BGH96M080B3B	33000	12.5	18.5	34200	10	26000	1000/850
	BOVA-36HDN1-M20G	BMAC4248CNTF	BGH96M100C5B	33000	12.5	18.5	34200	10	26000	1100/800
4 Ton	BOVA-60HDN1-M20G	BMAC4248BNTF	BGH96M080B3B	43000	11.2	18	45000	9.5	34000	1250/1050
	BOVA-60HDN1-M20G	BMAC4248CNTF	BGH96M080C4B	44000	12	18.5	46000	10	35000	1250/1050
	BOVA-60HDN1-M20G	BMAC4248CNTF	BGH96M100C5B	45000	12.5	18.5	46500	10	35000	1450/1150
	BOVA-60HDN1-M20G	BMAC4248DNTF	BGH96M100D5B	45500	12.5	18.5	47000	10	35000	1500/1200
	BOVA-60HDN1-M20G	BMAC4248DNTF	BGH96M120D5B	45500	12.5	18.5	47000	10	35000	1500/1200
5 Ton	BOVA-60HDN1-M20G	BMAC4860CNTF	BGH96M100C5B	52000	12	18	53500	10	37000	1450/1150
	BOVA-60HDN1-M20G	BMAC4860DNTF	BGH96M100D5B	52000	12.5	18.5	54000	10	38000	1500/1200
	BOVA-60HDN1-M20G	BMAC4860DNTF	BGH96M120D5B	52000	12.5	18.5	54000	10	38000	1500/1200

# System & Technical Information



TECHNICAL SPECIFICATIONS	UNIT		BGH96M060B3B	BGH96M080B3B	BGH96M080C4B	BGH96M100C5B	BGH96M100D5B	BGH96M120D5B
Bosch Part Number	-		7-738-007-227	7-738-007-228	7-738-007-229	7-738-007-230	7-738-007-231	7-738-007-232
List Price <sup>(1)</sup>			\$4,360	\$4,492	\$4,890	\$5,117	\$5,307	\$5,686
Cabinet Size (W)	Inch		17.5		21		24.5	
Cabinet Size (DxH)	Inch		(28-1/2) x (33-3/4)					
Fuel Type	-		Natural Gas/Propane Gas*					
AFUE	%		96					
ENERGY STAR Rating	-							
Input	NG/LP (High)	Btu/h	60000	80000	80000	100000	100000	120000
	NG/LP (Low)	Btu/h	39000	52000	52000	65000	65000	78000
Output	NG/LP (High)	Btu/h	57000	76000	76000	95000	95000	115000
	NG/LP (Low)	Btu/h	37000	49000	49000	62000	62000	75000
Air Temperature Rise	°F		30-60	35-65				40-70
Design Max. Outlet Air Temperature	°F		160	165				170
Certified EXT Static Pressure	Heating	in. WC	0.12	0.15	0.15	0.2	0.2	0.2
	Cooling	in. WC	0.5	0.5	0.5	0.5	0.5	0.5
Tons AC @ 0.5" ESP	Tons		1.5/2/2.5/3		2.5/3/3.5/4	3.5/4/4.5/5		
Power Supply	V/Hz/PH		115V/60HZ/1PH					
Max Overcurrent Protection (MOP)	Amps		15			20		
Blower Motor Full Load	Amps		8	8	7.8	11.5	10.5	10.5
Circulating Blower Motor	Type	-	x13 ECM					
	Diameter Blower	Inch	12 3/8		12 3/4			
	Height Blower	Inch	8		11 1/4			
Motor Speeds	Number of Speeds		5					
	Speed Settings		High/Mid-High/Mid/Mid-Low/Low					
	RPM		1050 (rated)					
Power Input	(High)	W	63±10%					
	(Low)	W	37±10%			42±10%		
Circuating Fan Motor	Motor Horsepower	HP	3/4			1		
Max.Inlet Gas Pressure	Natural Gas	in. WC	10.5					
	Propane Gas (LP)	in. WC	13					
Min.Inlet Gas Pressure	Natural Gas	in. WC	4.5					
	Propane Gas (LP)	in. WC	11					
Natural Gas Working Pressure	in. WC		High Fire:3.5   Low Fire:1.6					
Propane Gas Working Pressure	in. WC		High Fire:10   Low Fire:4					
Natural Gas Orifice (0-2000 Feet)	#		45					
Propane Gas Orifice (0-2000 Feet)	#		55					
Number of Burners	-		3	4	4	5	5	6
Primary Heat Exchanger Diameter	Inch		1 3/4					
Primary Heat Exchanger	# Tubes		3	4	4	5	5	6
Secondary Heat Exchanger Diameter	Inch		3/8					
Secondary Heat Exchanger	# tubes		33	33	39	39	48	48
Pressure Switch Factory Setting	(High)	in. WC	1.1					
	(Low)	in. WC	0.55					
Rollout Switch - Resettable	Off/On	°F	300					
Inlet High Temp Limit Switch - Fixed	Off/On	°F	150/120	130/100	150/120			
Gas Connection Size	in. NPT		1/2					
Ignitor Type	-		Hot surface					
Net Weight	lb		135	141	152	162	170	174

\* All units come standard with a natural gas to propane gas conversion kit. NOTICE: This product is not to be sold or installed in the State of California in the South Coast Air Quality Management District or San Joaquin Valley Air Basin territory. (1) Apply HVAC Multiplier. For our complete AC product portfolio please see your regional sales manager or local manufacturer's rep for the AC product catalog.



# Exceptional Heating for Personal Comfort

## Bosch Panel Radiators

The contemporary European design and flexibility of Buderus panel radiators offers builders, designers, and homeowners a variety of sizes for any heating and design requirement. These space saving panel radiators require between a third to a quarter of the space of baseboard heating and are a perfect solution where design flexibility is important. And because Buderus panel radiators are not typically designed to be on and off in the way traditional baseboards are, they are virtually silent—eliminating the noise associated with other heating systems. They're available in a multilayered, powder coat enameled white finish that is durable, easy to clean, and able to be painted over, making it ideal for any existing color schemes. Each panel radiator includes side panels, front and back grill covers, wall brackets and a flowsetter valve.

### Features

- ▶ Hydronic steel panel radiators provide the perfect combination of both radiant and convective heat
- ▶ A higher level of comfort, at a lower operating cost
- ▶ Designed to match and add character to any room décor
- ▶ A more flexible, efficient, and cleaner alternative to baseboard heating
- ▶ Panel radiators are clean, do not blow air or stir up dust, and their operation is virtually silent.
- ▶ Panel radiators are ideal in new construction, as well as suitable for retro-fit applications





# Bosch Panel Radiators

The Bosch Panel Radiator is a steel panel radiator with fluted front and rear surfaces. Available in white only, the panel radiators can be painted. Panel radiators can be piped left or right. Standard features and equipment include integral flow setter valve, manual air vent, wall mounting bracket set and piping trim. Compression fittings, thermostatic valves, connection sets and accessories are not included and must be ordered separately.

## Model 21

DIMENSIONS (H X W X D)	BTU @ 180 ° F*	APPROXIMATE SHIP WEIGHT (LBS.)	PART NO.	PRICE
12" x 24"	1838	20	7-750-100-306	\$359
12" x 36"	2756	30	7-750-100-309	\$415
12" x 48"	3675	40	7-750-100-312	\$468
12" x 59"	4594	50	7-750-100-315	\$522
12" x 71"	5513	60	7-750-100-318	\$576
20" x 24"	2713	32	7-750-102-306	\$388
20" x 36"	4070	48	7-750-102-309	\$454
20" x 48"	5427	63	7-750-102-312	\$517
20" x 59"	6784	79	7-750-102-315	\$581
20" x 71"	8140	95	7-750-102-318	\$642
24" x 24"	3138	38	7-750-103-306	\$436
24" x 36"	4706	57	7-750-103-309	\$510
24" x 48"	6275	76	7-750-103-312	\$586
24" x 59"	7844	95	7-750-103-315	\$661
24" x 71"	9413	114	7-750-103-318	\$734

\* BTU'S Calculated using a Supply Temperature of 180°F, a return Temperature of 160°F and a room temperature of 68°F.  
See application manual for BTU output at 140°F and 160°F supply temperatures.  
Radiators over 36" in length must ship via LTL, radiators 36" and under can ship via UPS



**Model 21**  
2½" Deep

## Model 22

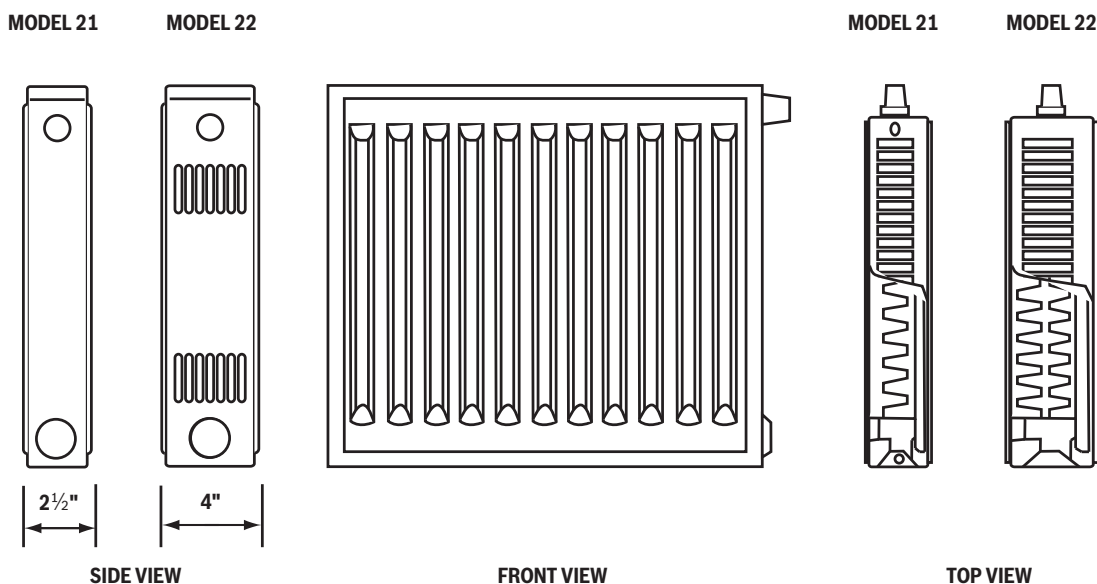
DIMENSIONS (H X W X D)	BTU @ 180 ° F*	APPROXIMATE SHIP WEIGHT (LBS.)	PART NO.	PRICE
12" x 16"	1573	15	7-750-100-604	\$317
12" x 24"	2359	23	7-750-100-606	\$352
12" x 36"	2539	34	7-750-100-609	\$405
12" x 48"	4719	46	7-750-100-612	\$455
12" x 59"	6291	57	7-750-100-615	\$506
12" x 71"	7078	68	7-750-100-618	\$555
20" x 16"	2341	26	7-750-102-604	\$363
20" x 24"	3511	38	7-750-102-606	\$407
20" x 36"	5266	57	7-750-102-609	\$473
20" x 48"	7022	76	7-750-102-612	\$538
20" x 59"	8777	101	7-750-102-615	\$599
20" x 71"	10,533	114	7-750-102-618	\$670
24" x 16"	2713	30	7-750-103-604	\$407
24" x 24"	4069	45	7-750-103-606	\$460
24" x 36"	6104	68	7-750-103-609	\$539
24" x 48"	8139	90	7-750-103-612	\$621
24" x 59"	10,173	120	7-750-103-615	\$695
24" x 71"	12,208	135	7-750-103-618	\$777
36" x 16"	3833	45	7-750-105-604	\$487

\* BTU'S Calculated using a Supply Temperature of 180°F, a return Temperature of 160°F and a room temperature of 68°F.  
See application manual for BTU output at 140°F and 160°F supply temperatures.  
Radiators over 36" in length must ship via LTL, radiators 36" and under can ship via UPS



**Model 22**  
4" deep shown with  
optional sensor head

# Panel Radiators



## Panel Radiator Accessories

### Compression Fittings, Brackets, Thermostatic Valve Heads

	MODEL 21	MODEL 22	PART NO.	PRICE
<b>COMPRESSION FITTINGS - 2 PER PACKAGE</b>				
Pex Compression Fitting, 3/4" PEX (22 x 2mm)	✓	✓	7-738-000-789	<b>\$32</b>
Radiator Compression Fittings, 3/8" PEX (13 x 2mm)	✓	✓	1-016-870	<b>\$38</b>
Radiator Compression Fittings, 5/8" PEX (20 x 2mm)	✓	✓	1-646-851	<b>\$42</b>
Radiator Compression Fittings, Copper (1/2")	✓	✓	6-198-924	<b>\$16</b>
Radiator Compression Fittings, PEX 16 x 2 mm (ASTM 1/2")	✓	✓	8-000-713-2	<b>\$18</b>
Radiator Compression Fittings, PEX 17 x 2 mm	✓	✓	8-000-714-0	<b>\$28</b>
<b>CONNECTION SETS</b>				
Pressure Bypass Valve 3/4"	✓	✓	3-L60-250-2	<b>\$198</b>
Radiator Diverter Valve - Straight	✓	✓	8-368-904-4	<b>\$47</b>
Radiator Diverter Valve - Angle	✓	✓	8-368-905-2	<b>\$71</b>
Radiator Crossover Valve	✓	✓	8-000-751-2	<b>\$61</b>
Isolation Valve - Straight	✓	✓	7-738-317-846	<b>\$47</b>
Isolation Valve - Angle	✓	✓	7-738-317-847	<b>\$53</b>
Radiator Drain 1/2"	✓	✓	8-291-106-0	<b>\$8</b>
Optional Covers for Floor Bracket	✓	✓	8-160-640-0	<b>\$70</b>
<b>ACCESSORIES</b>				
Thermostatic Radiator Sensor Head	✓	✓	7-738-006-264	<b>\$24</b>
Radiator & Towel Rack Manual Adjuster	✓	✓	0-13G-500-2	<b>\$12</b>
Pressure Bypass Valve 3/4"	✓	✓	3-L60-250-2	<b>\$198</b>
Floor Bracket	✓	✓	7-738-317-469	<b>\$77</b>

## Bosch USA Rebate Center

### Who doesn't like to save some money!

Take a look at the Bosch USA Rebate center to explore rebates on select Bosch heating and cooling solutions in your area.

#### Bosch USA Rebate Center



Click or Scan QR Code



## Condensing Boiler Heat Exchanger Technology White Paper

New heat exchanger designs, whether firetube or watertube type boilers, have been introduced to the market made from aluminum and stainless steel, materials that perform quite well in condensing applications. This paper will examine the three most common configurations globally: aluminum watertube, stainless steel watertube, and stainless steel firetube.



Click or Scan QR Code

## Bosch Commercial Solutions

Bosch Thermotechnology has solutions for any size project from larger commercial, light commercial to residential comfort solutions. We specialize in highly efficient heating and cooling equipment for commercial retrofit and new construction applications. For any questions regarding price or multipliers please inquire with our Inside Sales Team at [inside.sales@us.bosch.com](mailto:inside.sales@us.bosch.com)

- ▶ Bosch is the leader in heating technology
- ▶ Broad solutions for indoor climate & hot water
- ▶ Great reference for WSH & GEO solutions
- ▶ 100+ years in the HVAC industry

### Commercial Cooling Solutions

- ▶ LV, EP Series - Single Stage Water Source Heat Pumps
- ▶ ES, LM Series - Two Stage Water Source Heat Pumps
- ▶ EC, MC Series - Large Specified Water Source Heat Pumps
- ▶ WT, WW Series - Water to Water Heat Pumps
- ▶ CA Series - Single Stage Console Water Source Heat Pumps





# Heavy Duty Commercial Boiler

## Bosch Buderus SSB

The Buderus SSB Commercial Boilers were designed to deliver the high quality, flexibility and dependability in the industry. With a small footprint (31.5" x 36"), minimal clearance requirements and output ranges from 800 to 8192MBH<sup>(1)</sup>, these boilers can be utilized in almost any application.

If redundancy is what you're looking for, these boilers are the answer. Each SSB Commercial Boiler has two fully independent heat exchangers which can be operated individually, if necessary. In addition, the 1000TL boilers have an innovative design which allows up to 4 of these boilers to be cascaded on either side without any additional purchased venting parts or accessories.

Designed to control the central heat and the domestic hot water, the SSB works with multiple building communication options, including Modbus, BACnet and LonWorks. Integrated cascading allows configurations to meet heating demands of 8192 MBH making the SSB boiler ideal for many applications including schools, hotels, office buildings, and warehouses.

### Features

- ▶ Bosch offers a superior non-prorated 10-year limited warranty for its Heat Exchanger. In addition, we offer an unmatched 2-year parts warranty<sup>§</sup>
- ▶ Dual 316L stainless steel heat exchangers for increased capacity
- ▶ Flexible installation options with a small footprint
- ▶ Boiler is equipped with a multi-speed circulator pump on each module
- ▶ Connection points on either the left or right side
- ▶ Up to 96.8% thermal efficiency
- ▶ 40:1 turndown capability in cascade applications
- ▶ Cascade up to four SSB1000 boilers to achieve up to 4096 MBH
- ▶ 7" external touchscreen display for user-friendly complete system monitoring



# System & Technical Information

## Cascade Up-To Four SSB1000TL's

- ▶ Easily connect up to four SSB1000TL together without any additional parts or accessories
- ▶ 8192 MBH is possible by connecting the communication cable between two sets of SSB1000TL4
- ▶ All hydraulic manifold piping (water, gas and exhaust/air) are factory installed and self-contained within the boiler's outer cabinet
- ▶ Each SSB1000TL includes the connection hardware and gaskets to easily connect to another SSB1000TL



## Internal Components



- Gas valve
- Gas pressure switch
- Gas manifold
- Flue manifold
- Fan
- Module power switch
- Service display
- Temp./pressure gauge
- Heat exchanger
- Pump
- Manual stop valve
- Minimum water pressure switch
- Water supply header
- Water return header (behind)

## Heat Exchanger

- ▶ 316L stainless steel heat exchanger
- ▶ Dependable water tube heat exchanger with easy access supply & return
- ▶ Thermal efficiency levels up to 96.8%, achieved with up to 40:1 modulation
- ▶ Precision welded for increased reliability



## Integrated Control

- ▶ Manual Reset High Limit & LWCO test button
- ▶ Easily connected to a room thermostat
- ▶ Outdoor reset & hot water priority standard
- ▶ Smart System Control "Argus Vision" for easy set up & commissioning



# Bosch SSB Multi-Modular System

Save Space, Time, and Money

## Advantages of Bosch SSB Multi-Modular System

- ▶ Minimum clearance required due to compact size
- ▶ Flexible install options, left or right LLH mounting
- ▶ Increase in efficiency as each stage operates in a steady state
- ▶ Extended boiler life cycle
- ▶ Easy to repair and service
- ▶ Inherently redundant
- ▶ Consistent water volume and heat transfer area
- ▶ Multiple smaller units to make up heating load



## Example 2,500MBH Heating Load

### Bosch SSB Multi-Modular System

3 SSB's 1,000 MBH modules which includes full redundancy and reduces infrastructure to 3,000 MBH installed + SSB LLH

VS

### Traditional Boiler System Approach

2 boilers 67% each requires two large 2,000 MBH boilers for a total of 4,000 MBH installed + separate air and dirt separators

## Modularity & Redundancy + SSB LLH

- ▶ Tied in cascade to operate as a "single" boiler
- ▶ Each module includes:
  - (2) Independent 512 MBH Heat Exchangers,
  - (2) Burners, (2) Operating controls



# Bosch SSB LLH

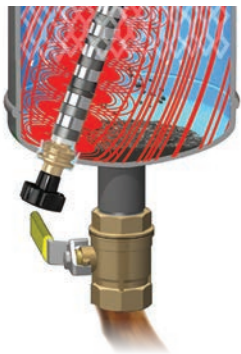
The Bosch SSB LLH combination hydraulic, air and dirt separator is a device that combines high performance air and dirt removal with hydraulic separation. Primary and secondary circuits connected to it become hydraulically decoupled thus eliminating pump conflict.

A proven, time tested stainless steel internal coalescing element continuously and automatically eliminates all entrained air, including micro-bubbles, in the system. Air discharge capacity is very high. Over time, dirt particles as tiny as 5 microns are captured and collected away from the flow stream.

The 3-in-1 high performance functionality saves system installation and maintenance cost as there is no need to include separate air and dirt separators.



## LLH 4-in-1 High Performance Functionality



### Dirt Separation

- ▶ Impurities get separated and drop to the bottom of the body
- ▶ Large internal volume slows down the fluid flow speed – helps by gravity to separate the particle it contains
- ▶ Discharged by opening the drain valves with the handle



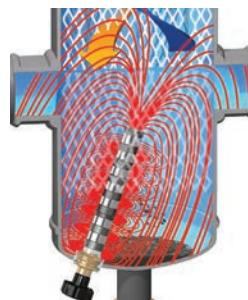
### Hydraulic Separation

- ▶ Unique geometry and design
- ▶ Prevents pump conflict from occurring
- ▶ Hydraulically independent



### Air Separation

- ▶ Whirling movement facilitates the release of microbubbles
- ▶ Bubbles increase in size – Hydrostatic thrust overcomes the adhesive force to the mesh
- ▶ Rise to top & release through a float-operated automatic air vent



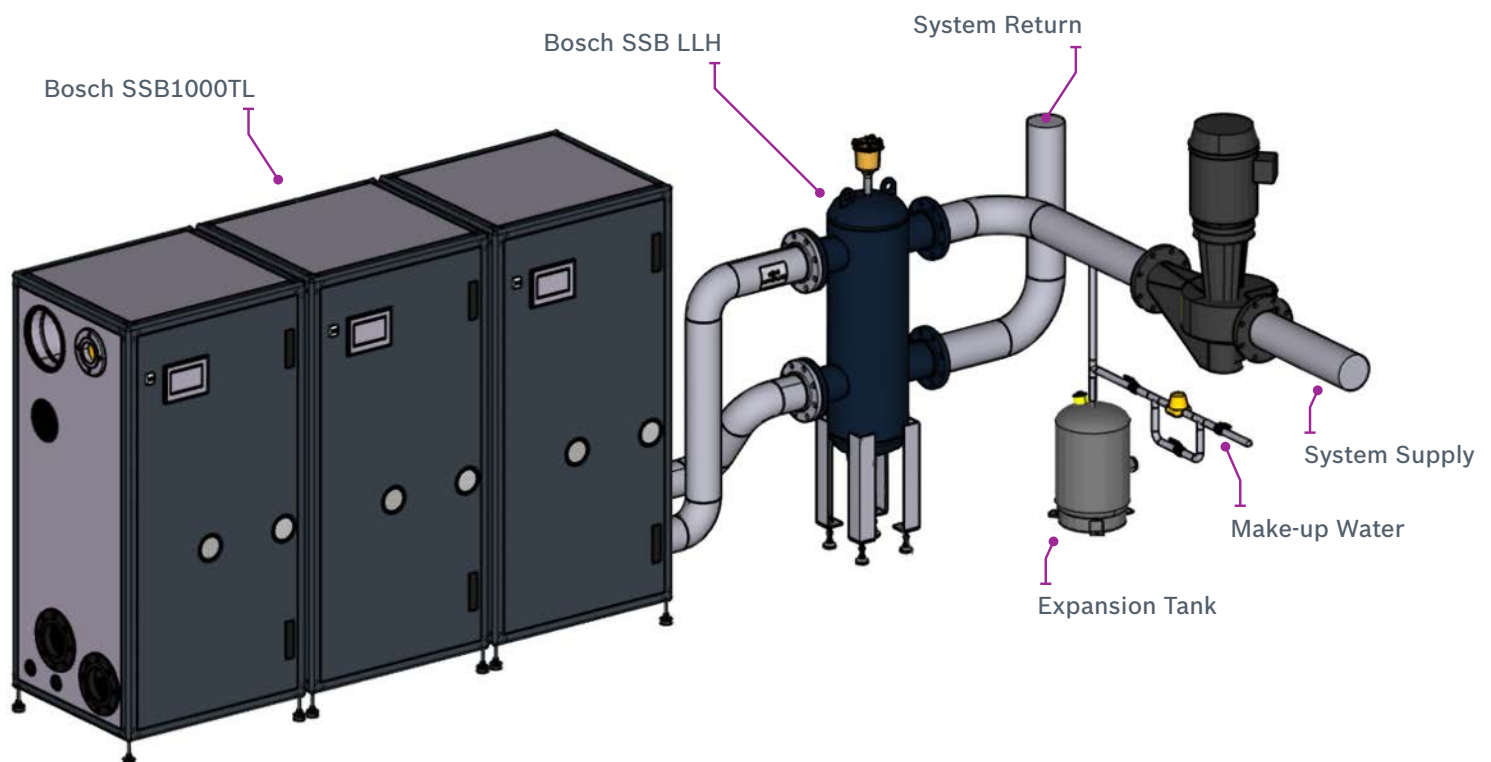
### Magnetic Removal of Ferrous Particles

- ▶ Utilizes powerful rate-earth magnet assembly
- ▶ 2-1/2 times the performance of standard air and dirt separators
- ▶ Separation function causes no added system pressure drop
- ▶ Ferrous impurities can deposit onto heat exchanger surfaces and accumulates onto pump activities



The Buderus SSB Commercial Boiler is a stainless steel boiler built for commercial applications with output ranges from 800 to 8192 MBH. Designed to deliver high quality, flexibility and dependability in the industry.

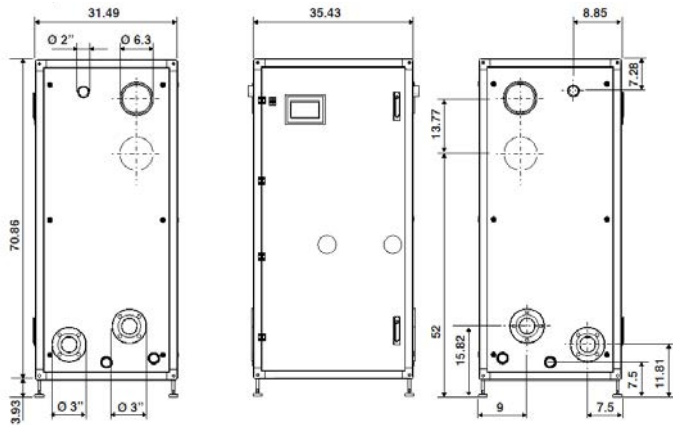
## Piping Example



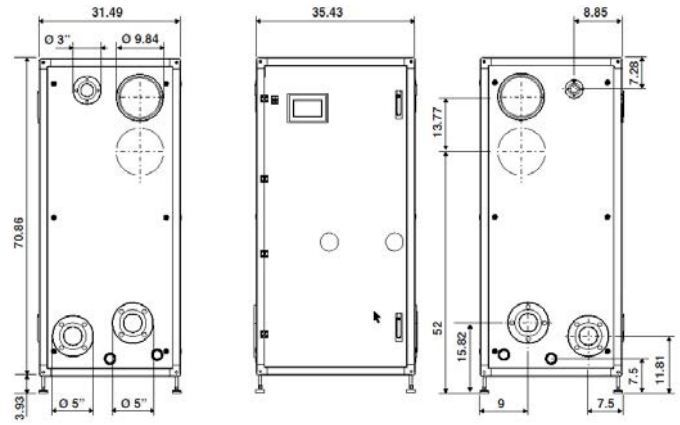
## SSB Commercial Series Dimensions and Connections

Front, side and top view measurements in inches.

SSB800, SSB1000 (Dimensions in inches)



SSB1000TL (Dimensions in inches)



MODEL		SSB800	SSB1000	SSB1000TL
PERFORMANCE DATA	UNIT OF MEASURE			
Type of Gas		Natural Gas, Propane		
Max input rate	BTU/hr (kW)	798,000 (234)	1,024,000 (300)	1,024,000 (300)
Min input rate	BTU/hr (kW)	96,100 (28.2)	96,100 (28.2)	96,100 (28.2)
Turndown	Rate (%)	8:1 (12.5 %)	10:1 (10%)	10:1 (10%)
Gas Connections (NPT)	Ø Inch	2	2	3 (Flanged)
Max./ Min NG Pressure	Inch W.C. (mbar)	20 (50) / 3.5 (8.72)		
Max. / Min LPG Pressure	Inch W.C. (mbar)	20 (50) / 8 (19.9)		
Water Connections	Ø Inch	3	3	5
Max. Allowable Working Pressure (MAWP)	PSI (bar)	80 (5.5)		
Water flow at max power (ΔT 36°F / 20°C)	GPM (m3/h)	44 (10)	57 (13)	57 (13)
Water flow at max power (ΔT 45°F / 25°C)	GPM (m3/h)	35 (8)	44 (10)	44 (10)
Water pressure drop at min water flow	Feet W.C. (mbar)	7 (209)	8 (239)	7 (209)
Water pressure drop at max water flow	Feet W.C. (mbar)	19 (568)	33 (986)	29 (866)
Water Volume	Gallon (liter)	13.0 (50)	16.0 (60)	20.0 (75)
Vent/Air Intake Connections	Ø Inch (Ø mm)	6 (160)	6 (160)	10 (254)
Max operating temperature	°F (°C)	194 (90)	194 (90)	194 (90)
Max HE allowable temperature	°F (°C)	210 (98.9)	210 (98.9)	210 (98.9)
Ambient storage temperature dry	°F (°C)	5 to 158 (-15 to 70)	5 to 158 (-15 to 70)	5 to 158 (-15 to 70)
Ambient functioning temperature	°F (°C)	32 to 120 (0 to 49)	32 to 120 (0 to 49)	32 to 120 (0 to 49)
Surface heat exchanger	SQFT (m2)	56 (5.2)	88 (8.2)	88 (8.2)
Standard Listings & Approvals		ASME Sect.IV	ASME Sect.IV	ASME Sect.IV
Electrical Req. 120VAC/1PH/60Hz		15.1 FLA *		
Noise rating	dB	51	52	52
Weight (dry)	lbs (kg)	860 (390)	992 (450)	1124 (510)
Min. clearance to combustibles*	Inch (mm)	24 (610)		
Dimension W x H x D - (inches rounded up to the nearest 1/8")	Inch (mm)	70 7/8 x 31 1/2 x 35 7/16 (1800x800x900)	70 7/8 x 31 1/2 x 35 7/16 (1800x800x900)	70 7/8 x 31 1/2 x 35 7/16 (1800x800x900)

\* See manual for details

# SSB Commercial Stainless Steel Condensing Boilers

## Inputs: 800 and 1,000MBH

The Buderus SSB commercial series boilers are designed specifically for the US & Canadian markets with combustion efficiency levels up to 97.6%. These boilers achieve consistent combustion throughout the entire length of the burner tube, utilizing the same heat exchanger designs found in our SSB Commercial series boilers. These boilers are loaded with standard features such as 10:1 turn down ratio, on-board controls including weather compensation, cascade boiler control, modbus connectivity, push terminal wiring and a host of venting options. Can be vented with CPVC, SS and PP vent material.



MODEL	COMBUSTION / THERMAL EFFICIENCY	GAS INPUT MBH	GROSS OUTPUT MBH (KW)	NET IBR MBH (KW)	SHIPPING WEIGHT LBS. (APPROX)	PART NO.	PRICE
SSB800	97.6 %	798	772 (226)	671.3 (197)	960	7-738-004-897	<b>\$22,831</b>
SSB1000	95.4 %	1024	991 (290)	861.7 (252)	1092	7-738-004-898	<b>\$30,816</b>
SSB1000TL*	95.4 %	1024	991 (290)	861.7 (252)	1224	7-738-006-278	<b>\$31,050</b>

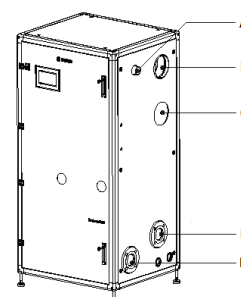
\*SSB1000TL model is designed to be easily cascaded together with up to seven additional SSB1000TL models to achieve input levels up to 8 million MBH.

MODEL	PART NO.	PRICE
3" SSB Low Loss Header (Single Boiler Application)	7-738-007-139	<b>\$8,584</b>
5" SSB Low Loss Header (1-4 Boiler Application)	7-738-007-140	<b>\$11,816</b>

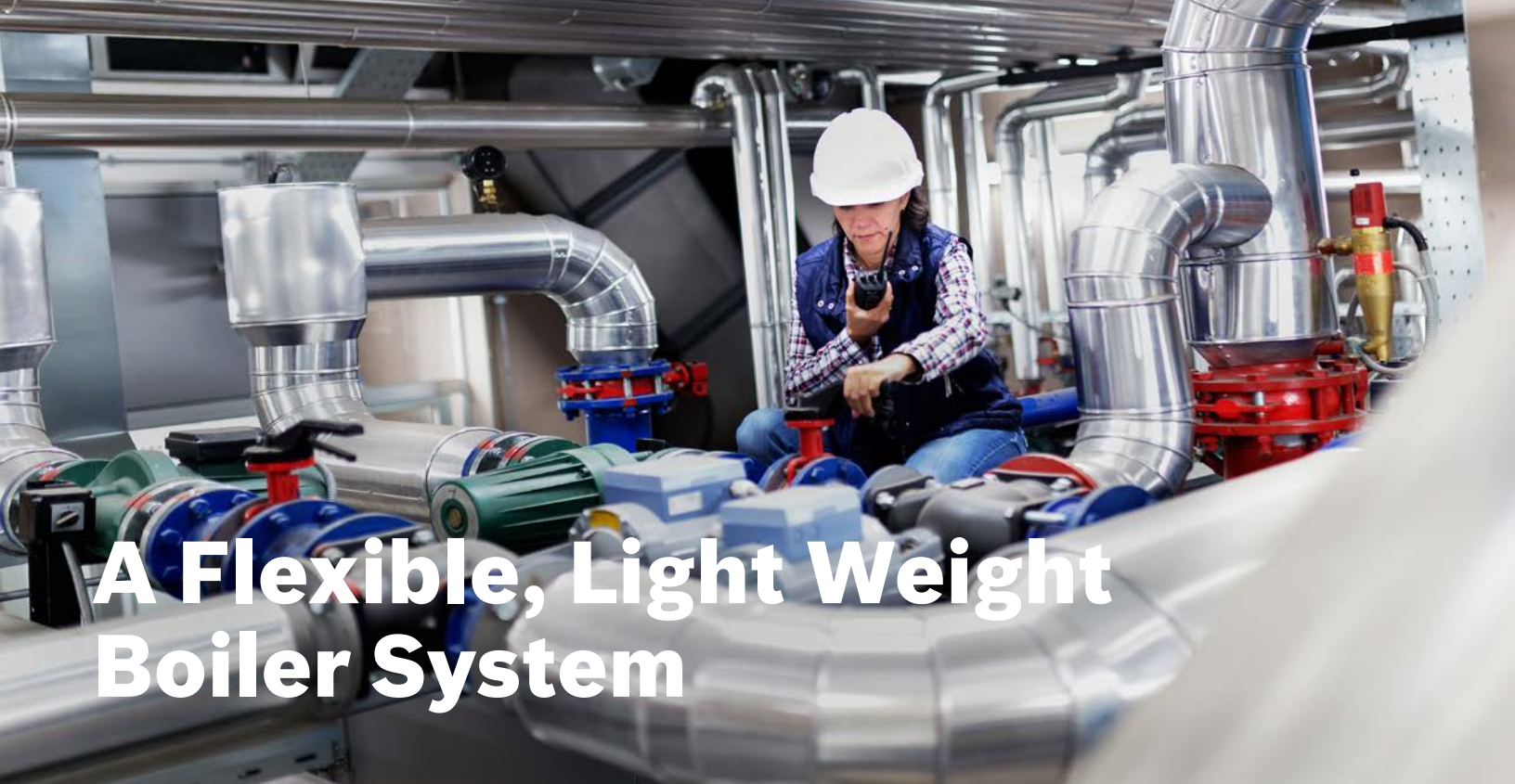
## Accessories

MODEL	PART NO.	PRICE
BacNET Gateway for SSB Boilers	7-738-006-441	<b>\$1,694</b>
LonWorks Gateway for SSB Boilers	7-738-005-170	<b>\$2,513</b>
RS232 to RS485 Converter	7-738-006-458	<b>\$85</b>

ITEM	DESCRIPTION	SSB800 & SSB1000	SSB1000TL
A	Gas Inlet	2" NPT	3" Flanged
B	Flue Exhaust	6"	10"
C	Air Intake	6"	10"
D	System Return (Flanged)	3"	5"
E	System Supply (Flanged)	3"	5"







# A Flexible, Light Weight Boiler System

## Buderus GB162 Boiler

The GB162 can be used individually in a residence or commercial operation, but it is especially well suited for multi-boiler cascades. Typically linking together two to four boilers, cascades may be expanded up to 8 units to meet the required BTU load of your installation.

With the GB162's small size, wall-hung attribute, and light weight—only 150 lbs each—there is a great deal of flexibility in planning an installation. Not only is it easy to install as a single unit, but it is easy to install as a multi-boiler cascade. The boilers can be configured back-to-back or in-line by using our custom frame. This is especially useful when boiler rooms are small or unusually shaped. In fact, a 4-boiler cascade, delivering over 1,000 MBH, can fit in less than 13 square feet of floor space. This makes the GB162 ideal for new installations, as well as for replacing an inefficient heating system and freeing up valuable commercial floor space.

### Features

- ▶ Efficiency of up to 93% AFUE
- ▶ Ideal for commercial, light industrial, and larger residential homes
- ▶ Unique pump manifold kit with insulated cover
- ▶ Cascade kits includes boiler stands, low loss header, supply & return
- ▶ Can cascade up to 8 boilers and common vent up to 4
- ▶ Now approved for PP venting water heating, and circulator pump, each designed for the most common applications
- ▶ Commercial Applications<sup>§</sup>: 5 years on Heat Exchanger, 1 year on parts
- ▶ Residential Applications<sup>§§</sup>: Limited lifetime on Heat Exchanger (prorated from 11th year and beyond), 5 years on parts 5 years labor
- ▶ Whisper quiet operations, Low flue gas emissions
- ▶ No Minimum Flow Rate
- ▶ LPG conversion kit available



**93%**  
AFUE

# GB162 Cascades

Inputs: 290 MBH and 333 MBH



## GB162 Wall Mounted Single Gas Condensing Boilers (0-4,000 ft. Elevation)

MODEL	DESCRIPTION	AFUE / THERMAL EFFICIENCY %	INPUT RATE BTU/HR.		HEATING CAPACITY BTU/HR.		NET IBR RATING BTU/HR.		PART NO.	PRICE
			NG	LP	NG	LP	NG	LP		
GB162-80	Single 290 MBH boiler & pump module	92.1	290,000	270,000	260,000	242,000	226,000	210,000	7-738-002-810	<b>\$8,363</b>
GB162-100	Single 333 MBH boiler & pump module	90.8**	333,000	315,000	302,000	282,000	263,000	245,000	7-738-002-811	<b>\$10,480</b>
Single Boiler Kit* (Low-loss header - MUST PURCHASE FOR SINGLE BOILER INSTALLATION)									7-746-901-646	<b>\$449</b>

Single Boiler Connection Set includes low-loss header - MUST BE ORDERED FOR SINGLE BOILER INSTALLATIONS. \*\* AHRI efficiency.

\* LP installations require field conversion. Order part number 7746900499 for each boiler that will be converted to LP. No charge when ordered with boiler. (Gaskets for the LLH are sold separately, Part Number 7-746-700-41, pack of 5)

## Controls

DESCRIPTION	PART NO.	PRICE
MCM10 Cascade Module	7-746-900-845	<b>\$1029</b>
EM10 Modulating Control with 0-10v Input Signal	1-835-8	<b>\$314</b>

## Accessories

DESCRIPTION	PART NO.	PRICE
Small Immersion Well	5-446-142	<b>\$32</b>
LP Conversion Kit one per boiler * no charge if ordered with boiler	7-746-900-499	<b>\$477</b>
Single Boiler Stand	W-B1S-TAN-D	<b>\$708</b>
Double Boiler Stand	W-B2S-TAN-D	<b>\$778</b>
Low Water Cut Off <sup>(1)</sup>	5-50	<b>\$295</b>
High Limit (L4008E1313) manual reset <sup>(1)</sup>	7-738-001-488	<b>\$337</b>
50 PSI Relief Valve	1-061-410	<b>\$87</b>
4" Stainless Steel Termination	4-660-020-4	<b>\$278</b>

## Cascade Components

DESCRIPTION	PART NO.	PRICE
<b>BACK TO BACK INSTALLATIONS - BOILERS NOT INCLUDED</b>		
TR2 Cascade Package For 2 boilers assembled back to back	7-746-900-913	<b>\$3,779</b>
TR3 Cascade Package For 3 boilers assembled back to back	7-746-900-914	<b>\$7,520</b>
TR4 Cascade Package For 4 boilers assembled back to back	7-746-900-381	<b>\$8,302</b>
TR5/6 Cascade Package For 5 or 6 boilers assembled back to back	7-736-700-233	<b>\$10,676</b>
TR7/8 Cascade Package For 7 or 8 boilers assembled back to back	7-736-700-234	<b>\$14,846</b>
<b>IN-LINE INSTALLATIONS - BOILERS NOT INCLUDED</b>		
TL2 Cascade Package For 2 boilers assembled in line	7-746-900-378	<b>\$5,481</b>
TL3 Cascade Package For 3 boilers assembled in line	7-746-900-379	<b>\$7,086</b>
TL4 Cascade Package For 4 boilers assembled in line	7-746-900-380	<b>\$7,621</b>

In-Line Cascades\*

CONFIGURATIONS MBH	INPUT / OUTPUT		GB162-80 BOILER*	GB162-100	TL2 CASCADE PACKAGE	TL3 CASCADE PACKAGE	TL4 CASCADE PACKAGE	MCM10	PRICE
	NG	LP							
TL2-160	580 / 520	540 / 484	2		1			1	\$23,236
TL2-180	623 / 556	585 / 524	1	1	1			1	\$25,353
TL2-200	666 / 592	630 / 564		2	1			1	\$27,470
TL3-240	870 / 780	810 / 726	3			1		1	\$33,204
TL3-260	913 / 816	855 / 766	2	1		1		1	\$35,321
TL3-280	956 / 852	900 / 806	1	2		1		1	\$37,438
TL3-300	999 / 888	945 / 846		3		1		1	\$39,555
TL4-320	1160 / 1040	1080 / 968	4				1	1	\$42,102
TL4-340	1203 / 1076	1125 / 1008	3	1			1	1	\$44,219
TL4-360	1246 / 1112	1170 / 1048	2	2			1	1	\$46,336
TL4-380	1289 / 1148	1215 / 1088	1	3			1	1	\$48,453
TL4-400	1332 / 1184	1260 / 1128		4			1	1	\$50,570

Back-to Back Cascades\*

CONFIGURATIONS MBH	INPUT / OUTPUT		GB162-80 BOILER*	GB162-100	TR2 CASCADE PACKAGE	TR3 CASCADE PACKAGE	TR4 CASCADE PACKAGE	TR5/6 CASCADE PACKAGE	TR7/8 CASCADE PACKAGE	MCM10	PRICE
	NG	LP									
TR2-160	580 / 520	540 / 484	2		1					1	\$21,534
TR2-180	623 / 556	585 / 524	1	1	1					1	\$23,651
TR2-200	666 / 592	630 / 564		2	1					1	\$25,768
TR3-240	870 / 780	810 / 726	3			1				1	\$33,638
TR3-260	913 / 816	855 / 766	2	1		1				1	\$35,755
TR3-280	956 / 852	900 / 806	1	2		1				1	\$37,872
TR3-300	999 / 888	945 / 846		3		1				1	\$39,989
TR4-320	1160 / 1040	1080 / 968	4				1			1	\$42,783
TR4-340	1203 / 1076	1125 / 1008	3	1			1			1	\$44,900
TR4-360	1246 / 1112	1170 / 1048	2	2			1			1	\$47,017
TR4-380	1289 / 1148	1215 / 1088	1	3			1			1	\$49,134
TR4-400	1332 / 1184	1260 / 1128		4			1			1	\$51,251
TR5-420	1493 / 1336	1395 / 1250	4	1				1		2	\$56,666
TR5-440	1536 / 1372	1440 / 1290	3	2				1		2	\$58,783
TR5-460	1579 / 1408	1485 / 1330	2	3				1		2	\$60,900
TR5-480	1622 / 1444	1530 / 1370	1	4				1		2	\$63,017
TR5-500	1665 / 1480	1575 / 1410		5				1		2	\$65,134
TR6-520	1826 / 1632	1710 / 1532	4	2				1		2	\$67,146
TR6-540	1869 / 1668	1755 / 1572	3	3				1		2	\$69,263
TR6-560	1912 / 1704	1800 / 1612	2	4				1		2	\$71,380
TR6-580	1955 / 1740	1845 / 1652	1	5				1		2	\$73,497
TR6-600	1998 / 1776	1890 / 1692		6				1		2	\$75,614
TR7-620	2159 / 1928	2025 / 1814	4	3					1	2	\$81,796
TR7-640	2202 / 1964	2070 / 1854	3	4					1	2	\$83,913
TR7-660	2245 / 2000	2115 / 1894	2	5					1	2	\$86,030
TR7-680	2288 / 2036	2160 / 1934	1	6					1	2	\$88,147
TR7-700	2331 / 2072	2205 / 1974		7					1	2	\$90,264
TR8-720	2492 / 2224	2340 / 2096	4	4					1	2	\$92,276
TR8-740	2535 / 2260	2385 / 2136	3	5					1	2	\$94,393
TR8-760	2578 / 2296	2430 / 2176	2	6					1	2	\$96,510
TR8-780	2621 / 2332	2475 / 2216	1	7					1	2	\$98,627
TR8-800	2664 / 2368	2520 / 2256		8					1	2	\$100,744

\*When ordering these packages you are ordering them as separate line items.

Cascade kits include low loss header, frames, supply and return piping, pipe insulation and connection set.



# A High Efficiency Commercial Boiler That is up to 98% Efficient

## Buderus SB Series

The Buderus SB series of high-efficiency condensing boilers is made of 316 titanium steel, giving this boiler a longer service life, and stronger than other boilers in the market. With its dual return feature this boiler is capable of having a 98% efficiency rating making it one of the highest efficiency in its market. This series can be used with multiple fuels including natural gas, propane, or heating oil.

### Features

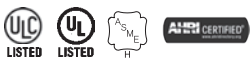
- ▶ Large, full-swing door reversible for left or right installation. Allows full access to the heat exchanger for inspection and service.
- ▶ Top connections for easy access to piping. Pre-installed boiler insulation.
- ▶ No operational requirement with regard to water flow, minimum return temperature or temperature rise through the boiler.
- ▶ Dual return connection for separation of high and low return temperatures to maximize boiler and system efficiency.
- ▶ No shunt pump or flow switch required.
- ▶ Up to 100 deg. delta T for improved efficiency .
- ▶ 10 Year heat exchanger limited warranty<sup>§</sup>
- ▶ Multi fuel options available: NG, LPG, low sulfur oil and heating oil type 2.
- ▶ Condensing operation on gas and <50 ppm sulfur #2 oil; non-condensing on standard #2 oil.





# SB Series Stainless Steel Condensing Boilers

Inputs: 563 MBH to 5443 MBH



The Buderus SB Series condensing boilers by Bosch are designed for maximum efficiencies up to 98% using 316Ti stainless steel on all three flue passes of the heat exchanger. The high water volume and robust boiler design has no restrictions with respect to return water temperature, water flow or temperature rise through the boiler. These features make the SB boiler a perfect fit for any new construction or retro-fit application. The lower flue passages incorporate stainless steel turbulators to improve condensation rates and minimize individual thermal tube loading. Dual return connections allow for further efficiency gains and hydronic design opportunities. The SB Series now offers a full 10-year limited warranty on the heat exchanger.\*

MODEL	GAS INPUT MBH	GROSS OUTPUT MBH	NET IBR MBH	SHIPPING WEIGHT (LBS)	PART NO.	PRICE
BUDERUS SB625WS CONDENSING BOILER						
SB625WS/160	563	532	463	1350	7-738-003-491	Refer to BST2.0 for Pricing
SB625WS/220	788	745	648	1380	7-738-003-492	
SB625WS/290	1014	959	834	1760	7-738-003-493	
SB625WS/370	1314	1280	1,081	1950	7-738-003-494	
SB625WS/480	1689	1598	1,390	2900	7-738-003-495	
SB625WS/640	2200	2081	1,810	3300	7-738-003-496	
BUDERUS SB745WS CONDENSING BOILER						
SB745WS/800	3003	2846	2,475	7950	7-738-003-497	Refer to BST2.0 for Pricing
SB745WS/1050	3754	3529	3,069	4850	7-738-003-498	
SB745WS/1300	4692	4369	3,795	5400	7-738-003-499	
SB745WS/1550	5443	5029	4,373	6590	7-738-003-500	

\*Please go to [boschheatingandcooling.com](http://boschheatingandcooling.com) for full limited warranty details

## Controls

DESCRIPTION	PART NO.	PRICE
Operating High Limit Aquastat with Well	H-L40-06A-105-8	\$151
Manual Reset Aquastat (200 Max Setpoint)	7-738-001-463	\$188
Hydrolevel 550 Low Water Cut-off with Manual Reset	5-50	\$295
Heatronic 4000 Control Includes (1) Outdoor Sensor, (5) Universal Sensors, Literature in English and French	7-738-003-450	\$4,119
Small Sensor Well	5-446-142	\$32
Bosch Universal Sensor (12")	7-738-003-451	\$27

## Burner Plates

DESCRIPTION	PART NO.	PRICE
300mm Plate SB625-160-220	7-738-007-105	\$299
350mm Plate SB625-290-370	7-738-007-106	\$372
400mm Plate SB625-480-640	7-738-007-102	\$516
450mm Plate SB745-800-1050-1300-1550	7-738-007-103	\$718

## Brush Sets

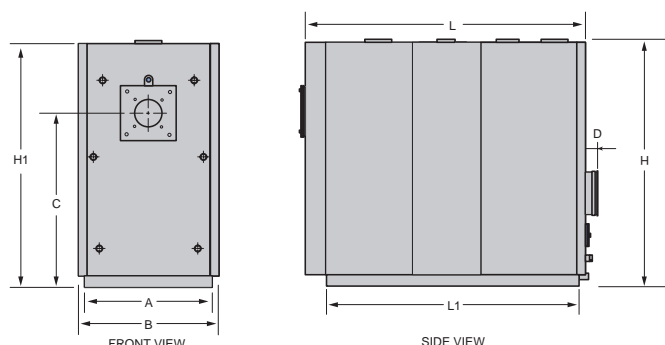
DESCRIPTION	PART NO.	PRICE
<b>SB625WS</b>		
Brush Set SB625WS-160/220	7-738-003-081	\$623
Brush Set SB625WS-290	7-738-003-208	\$470
Brush Set SB625WS-370/480	7-738-003-055	\$626
Brush Set SB625WS-640	7-738-003-056	\$633
<b>SB745WS</b>		
Brush Set SB745WS-800	7-738-003-057	\$579
Brush Set SB745WS-1050	7-738-003-058	\$645
Brush Set SB745WS-1300/1550	7-738-003-059	\$684

## Relief Valves (no charge for substitutions if orderd with boiler)

MODEL	30PSI		40PSI		50PSI		75PSI	
	PART NO.	PRICE	PART NO.	PRICE	PART NO.	PRICE	PART NO.	PRICE
SB625WS 160-370	1-061-605	<b>\$194</b>	1-061-607	<b>\$179</b>	1-061-610	<b>\$188</b>	1-061-615	<b>\$187</b>
SB625WS 480-640	1-061-705	<b>\$231</b>	1-061-707	<b>\$267</b>	1-061-710	<b>\$263</b>	7-738-003-176	<b>\$269</b>
SB745WS 800-1550	1-061-805	<b>\$384</b>	1-061-807	<b>\$488</b>	7-738-003-414	<b>\$711</b>	7-738-003-177	<b>\$565</b>

## SB625WS / SB745WS Dimensions and Connections

Front and side view measurements in inches.



	SB625WS MODEL						SB745WS MODEL			
	160	220	290	370	480	640	800	1050	1300	1550
PERFORMANCE DATA (UNIT OF MEASURE)										
Gas input (MBH [kW])	563 [164.9]	788 [230.9]	1,014 [297.1]	1,314 [385.0]	1,689 [494.9]	2,200 [644.7]	3003 [880]	3754 [1100]	4692 [1375]	5443 [1595]
Oil input (GPH)	–	5.6	7.2	9.4	12.0	16.0	21.4	26.8	33.5	38.1
Gross output (MBH [kW])	544 [159.7]	762 [223.6]	959 [281.0]	1,243 [364.2]	1,598 [468.3]	2,190 [642.0]	2,846 [834.0]	3,529 [1,034]	4,364 [1,279]	5,029 [1,474]
Gross output (MBH [kW]) @ 104 °F supply / 86 °F return (40 °C / 30 °C)	544 [159.7]	762 [223.6]	959 [281.0]	1,280 [375.2]	1,642 [481.5]	2,190 [642.0]	2,846 [834.0]	3,650 [1,070]	4,364 [1,279]	5,293 [1,551]
Gross output (MBH [kW]) @ 176 °F supply / 140 °F return (80 °C / 60 °C)	504 [147.8]	762 [223.6]	959 [281.0]	1,280 [375.2]	1,519 [445.2]	2,025 [593.6]	2,846 [834.0]	3,309 [989.4]	4,364 [1,279]	4,799 [1,434]
IBR Net Rating (MBH [kW])	504 [147.8]	762 [223.6]	959 [281.0]	1,280 [375.2]	1,390 [407.4]	1,810 [530.4]	2,846 [834.0]	3,069 [899.4]	4,364 [1,279]	4,799 [1,434]
Boiler horsepower (H.P)	16.3	22.8	29.6	38.2	49.1	65.4	81.8	109.1	136.3	158.1
Natural gas combustion efficiency (%)	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.8	96.6	92.5
Natural gas thermal efficiency (%)	94.6	94.6	94.6	94.6	94.6	94.6	94.8	94.8	94.8	92.4
GENERAL DATA (UNIT OF MEASURE)										
Boiler category	Condensing									
Heat exchanger construction	Stainless steel									
Heating surface (Sq. Ft [m2])	65.65 [6.1]	94.72 [8.8]	139.93 [13.0]	175.45 [16.3]	234.65 [21.8]	310.00 [28.8]	426.25 [39.6]	500.52 [46.5]	604.93 [56.2]	670.37 [62.28]
Maximum allowable working pressure (PSIG [bar])	80 [5.5]	80 [5.5]	80 [5.5]	80 [5.5]	80 [5.5]	80 [5.5]	80 [5.5]	80 [5.5]	80 [5.5]	80 [5.5]
Water content (Gallons [Liters])	85.3 [323]	95.1 [360]	130.7 [495]	146.6 [555]	196.2 [743]	203.4 [770]	348.7 [1320]	368.5 [1395]	482.1 [1825]	501.9 [1900]
Weight - dry (lbs [kg])	1232 [559]	1276 [579]	1,624 [737]	1,814 [823]	2,612 [1,185]	3,019 [1,370]	4430 [2010]	4948 [2245]	6017 [2730]	7230 [3280]
Weight - shipping (lbs [kg])	1350 [612]	1380 [626]	1,760 [798]	1,950 [885]	2,900 [1,315]	3,300 [1,497]	4830 [2191]	5400 [2449]	6590 [2989]	7950 [3606]
Venting category	II, IV									
OPERATIONAL DATA (UNIT OF MEASURE)										
Fireside pressure drop (Inch W.C. [mbar])	0.802 [2.0]	1.083 [2.7]	1.284 [3.2]	1.846 [4.6]	2.007 [5.0]	2.208 [5.5]	2.288 [5.7]	2.529 [6.3]	2.729 [6.8]	2.970 [7.4]
Required vent connection pressure (Inch W.C. [mbar])	+0.1 – +0.2 [.025 - .498]	+0.1 – +0.2 [.025 - .498]	+0.1 – +0.2 [.025 - .498]	+0.1 – +0.2 [.025 - .498]	+0.1 – +0.2 [.025 - .498]	+0.1 – +0.2 [.025 - .498]	+0.1 – +0.2 [.025 - .498]	+0.1 – +0.2 [.025 - .498]	+0.1 – +0.2 [.025 - .498]	+0.1 – +0.2 [.025 - .498]
Minimum flow rate (GPM [LPM])	none									
Maximum flow rate (GPM [LPM])	none									
Maximum supply water temperature (°F [°C])	210 [98.8]									
Minimum return water temperature (°F [°C])	none									
BOILER DIMENSIONS DATA (UNIT OF MEASURE)										
A Base width (Inch [mm])	27 <sup>3</sup> / <sub>16</sub> [690]	27 <sup>3</sup> / <sub>16</sub> [690]	29½ [750]	29½ [750]	31 [790]	31 [790]	37 <sup>7</sup> / <sub>16</sub> [950]	37 <sup>7</sup> / <sub>16</sub> [950]	42½ [1070]	44½ [1130]
B Overall width (Inch [mm])	29 [740]	29 [740]	33½ [850]	33½ [850]	35 <sup>7</sup> / <sub>16</sub> [900]	35 <sup>7</sup> / <sub>16</sub> [900]	41¾ [1060]	41¾ [1060]	46 <sup>7</sup> / <sub>16</sub> [1180]	48¾ [1225]
C Height of burner plate (center line) (Inch [mm])	36 <sup>7</sup> / <sub>16</sub> [925]	36 <sup>7</sup> / <sub>16</sub> [925]	40 <sup>9</sup> / <sub>16</sub> [1030]	40 <sup>9</sup> / <sub>16</sub> [1030]	48 [1235]	48 [1235]	54¾ [1390]	54¾ [1390]	58 <sup>7</sup> / <sub>16</sub> [1495]	62¾ [1590]
D Flue depth (Inch [mm])	2¼ [70]	2¼ [70]	2¼ [70]	2¼ [70]	2¼ [70]	2¼ [70]	2¼ [70]	2¼ [70]	2¼ [70]	2¼ [70]
H Height of water fittings (inch [mm])	52¾ [1340]	52¾ [1340]	57 [1450]	57 [1450]	66¾ [1695]	66¾ [1695]	75 [1905]	75 [1905]	80 <sup>9</sup> / <sub>16</sub> [2040]	85 <sup>9</sup> / <sub>16</sub> [2180]
H1 Boiler height (inch [mm])	52 <sup>7</sup> / <sub>16</sub> [1325]	52 <sup>7</sup> / <sub>16</sub> [1325]	56½ [1435]	56½ [1435]	66 [1680]	66 [1680]	74 <sup>7</sup> / <sub>16</sub> [1890]	74 <sup>7</sup> / <sub>16</sub> [1890]	79¾ [2025]	85¾ [2165]
L Length (inch [mm])	57 <sup>7</sup> / <sub>16</sub> [1455]	57 <sup>7</sup> / <sub>16</sub> [1455]	64 <sup>3</sup> / <sub>16</sub> [1630]	72 <sup>1</sup> / <sub>16</sub> [1830]	80 [2035]	88 [2235]	100¾ [2560]	110 <sup>7</sup> / <sub>16</sub> [2560]	118½ [3010]	121¾ [3080]
L1 Base Length (inch [mm])	51 [1295]	51 [1295]	57 [1470]	65¾ [1670]	73 <sup>13</sup> / <sub>16</sub> [1875]	81 <sup>11</sup> / <sub>16</sub> [2075]	94½ [2400]	104 <sup>1</sup> / <sub>16</sub> [2650]	112 <sup>7</sup> / <sub>16</sub> [2850]	112 <sup>7</sup> / <sub>16</sub> [2850]

SB625 Power Flame Gas Burner Kits

Gas: Power Flame “C” series gas burners for Modulation operation. Burner includes Honeywell combustion control, UV Scanner, OEM burner plate, indicating lamps (power on, main fuel, call for heat, flame failure)

DESCRIPTION	PRICE
C1-G-10 SB625/160 G MOD 120/1/60 8-14in	Refer to BST2.0 for Pricing and Available Burner Selections
C1-G-10 SB625/160 G MOD 230/1/60 8-14in	
C1-G-10 SB625/160 G MOD 230/3/60 8-14in	
C1-G-10 SB625/160 G MOD 460/3/60 8-14in	
C1-G-10 SB625/160 G MOD 120/1/60 1-2psi	
C1-G-10 SB625/160 G MOD 230/1/60 1-2psi	
C1-G-10 SB625/160 G MOD 230/3/60 1-2psi	
C1-G-10 SB625/160 G MOD 460/3/60 1-2psi	
C1-G-10 SB625/220 G MOD 120/1/60 8-14in	
C1-G-10 SB625/220 G MOD 230/1/60 8-14in	
C1-G-10 SB625/220 G MOD 230/3/60 8-14in	
C1-G-10 SB625/220 G MOD 460/3/60 8-14in	
C1-G-10 SB625/220 G MOD 120/1/60 1-2psi	
C1-G-10 SB625/220 G MOD 230/1/60 1-2psi	
C1-G-10 SB625/220 G MOD 230/3/60 1-2psi	
C1-G-10 SB625/220 G MOD 460/3/60 1-2psi	
C2-G-15 SB625/290 G MOD 120/1/60 8-14in	
C2-G-15 SB625/290 G MOD 230/1/60 8-14in	
C2-G-15 SB625/290 G MOD 230/3/60 8-14in	
C2-G-15 SB625/290 G MOD 460/3/60 8-14in	
C2-G-15 SB625/290 G MOD 120/1/60 1-2psi	
C2-G-15 SB625/290 G MOD 230/1/60 1-2psi	
C2-G-15 SB625/290 G MOD 230/3/60 1-2psi	
C2-G-15 SB625/290 G MOD 460/3/60 1-2psi	

DESCRIPTION	PRICE
C2-G-15 SB625/370 G MOD 120/1/60 8-14in	Refer to BST2.0 for Pricing and Available Burner Selections
C2-G-15 SB625/370 G MOD 230/1/60 8-14in	
C2-G-15 SB625/370 G MOD 230/3/60 8-14in	
C2-G-15 SB625/370 G MOD 460/3/60 8-14in	
C2-G-15 SB625/370 G MOD 120/1/60 1-2psi	
C2-G-15 SB625/370 G MOD 230/1/60 1-2psi	
C2-G-15 SB625/370 G MOD 230/3/60 1-2psi	
C2-G-15 SB625/370 G MOD 460/3/60 1-2psi	
C2-G-20B SB625/480 G MOD 120/1/60 8-14in	
C2-G-20B SB625/480 G MOD 230/1/60 8-14in	
C2-G-20B SB625/480 G MOD 230/3/60 8-14in	
C2-G-20B SB625/480 G MOD 460/3/60 8-14in	
C2-G-20B SB625/480 G MOD 120/1/60 1-2psi	
C2-G-20B SB625/480 G MOD 230/1/60 1-2psi	
C2-G-20B SB625/480 G MOD 230/3/60 1-2psi	
C2-G-20B SB625/480 G MOD 460/3/60 1-2psi	
C3-G-20 SB625/640 G MOD 120/1/60 8-14in	
C3-G-20 SB625/640 G MOD 230/1/60 8-14in	
C3-G-20 SB625/640 G MOD 230/3/60 8-14in	
C3-G-20 SB625/640 G MOD 460/3/60 8-14in	
C3-G-20 SB625/640 G MOD 120/1/60 1-2psi	
C3-G-20 SB625/640 G MOD 230/1/60 1-2psi	
C3-G-20 SB625/640 G MOD 230/3/60 1-2psi	
C3-G-20 SB625/640 G MOD 460/3/60 1-2psi	

For LP add, contact factory. For MA Code add, contact factory. For additional options, contact factory

SB625 Dual Fuel Gas Burner Kits

Dual Fuel: Power Flame “C” series dual fuel burners for Modulation operation. Burner includes Honeywell combustion control, UV Scanner, OEM burner plate, indicating lamps (power on, main fuel, call for heat, flame failure).

DESCRIPTION	PRICE
C1-GO-10 SB625/160 DF MOD 120/1/60 8-14in	Refer to BST2.0 for Pricing and Available Burner Selections
C1-GO-10 SB625/160 DF MOD 230/1/60 8-14in	
C1-GO-10 SB625/160 DF MOD 230/3/60 8-14in	
C1-GO-10 SB625/160 DF MOD 460/3/60 8-14in	
C1-GO-10 SB625/160 DF MOD 120/1/60 1-2psi	
C1-GO-10 SB625/160 DF MOD 230/1/60 1-2psi	
C1-GO-10 SB625/160 DF MOD 230/3/60 1-2psi	
C1-GO-10 SB625/160 DF MOD 460/3/60 1-2psi	
C1-GO-10 SB625/220 DF MOD 120/1/60 8-14in	
C1-GO-10 SB625/220 DF MOD 230/1/60 8-14in	
C1-GO-10 SB625/220 DF MOD 230/3/60 8-14in	
C1-GO-10 SB625/220 DF MOD 460/3/60 8-14in	
C1-GO-10 SB625/220 DF MOD 120/1/60 1-2psi	
C1-GO-10 SB625/220 DF MOD 230/1/60 1-2psi	
C1-GO-10 SB625/220 DF MOD 230/3/60 1-2psi	
C1-GO-10 SB625/220 DF MOD 460/3/60 1-2psi	
C2-GO-15 SB625/290 DF MOD 120/1/60 8-14in	
C2-GO-15 SB625/290 DF MOD 230/1/60 8-14in	
C2-GO-15 SB625/290 DF MOD 230/3/60 8-14in	
C2-GO-15 SB625/290 DF MOD 460/3/60 8-14in	
C2-GO-15 SB625/290 DF MOD 120/1/60 1-2psi	
C2-GO-15 SB625/290 DF MOD 230/1/60 1-2psi	
C2-GO-15 SB625/290 DF MOD 230/3/60 1-2psi	
C2-GO-15 SB625/290 DF MOD 460/3/60 1-2psi	

DESCRIPTION	PRICE
C2-GO-15 SB625/290 DF MOD 230/3/60 8-14in	Refer to BST2.0 for Pricing and Available Burner Selections
C2-GO-15 SB625/290 DF MOD 460/3/60 8-14in	
C2-GO-15 SB625/290 DF MOD 120/1/60 1-2psi	
C2-GO-15 SB625/290 DF MOD 230/1/60 1-2psi	
C2-GO-15 SB625/290 DF MOD 230/3/60 1-2psi	
C2-GO-15 SB625/290 DF MOD 460/3/60 1-2psi	
C2-GO-15 SB625/370 DF MOD 120/1/60 8-14in	
C2-GO-15 SB625/370 DF MOD 230/1/60 8-14in	
C2-GO-15 SB625/370 DF MOD 230/3/60 8-14in	
C2-GO-15 SB625/370 DF MOD 460/3/60 8-14in	
C2-GO-15 SB625/370 DF MOD 120/1/60 1-2psi	
C2-GO-15 SB625/370 DF MOD 230/1/60 1-2psi	
C2-GO-15 SB625/370 DF MOD 230/3/60 1-2psi	
C2-GO-15 SB625/370 DF MOD 460/3/60 1-2psi	
C2-GO-20B SB625/480 DF MOD 120/1/60 8-14in	
C2-GO-20B SB625/480 DF MOD 230/1/60 8-14in	
C2-GO-20B SB625/480 DF MOD 230/3/60 8-14in	
C2-GO-20B SB625/480 DF MOD 460/3/60 8-14in	

## SB625 Dual Fuel Gas Burner Kits

Continued

DESCRIPTION	PRICE
C2-GO-20B SB625/480 DF MOD 120/1/60 1-2psi	<b>Refer to BST2.0 for Pricing and Available Burner Selections</b>
C2-GO-20B SB625/480 DF MOD 230/1/60 1-2psi	
C2-GO-20B SB625/480 DF MOD 230/3/60 1-2psi	
C2-GO-20B SB625/480 DF MOD 460/3/60 1-2psi	
C3-GO-20 SB625/640 DF MOD 120/1/60 8-14in	
C3-GO-20 SB625/640 DF MOD 230/1/60 8-14in	

DESCRIPTION	PRICE
C3-GO-20 SB625/640 DF MOD 230/3/60 8-14in	Refer to BST.2.0 for Pricing and Available Burner Selections
C3-GO-20 SB625/640 DF MOD 460/3/60 8-14in	
C3-GO-20 SB625/640 DF MOD 120/1/60 1-2psi	
C3-GO-20 SB625/640 DF MOD 230/1/60 1-2psi	
C3-GO-20 SB625/640 DF MOD 230/3/60 1-2psi	
C3-GO-20 SB625/640 DF MOD 460/3/60 1-2psi	

For LP add, contact factory. For MA Code add, contact factory. For additional options, contact factory

## SB745 Power Flame Gas Burner Kits

Gas: Power Flame "C" series gas burners for Modulation operation. Burner includes Honeywell combustion control, UV Scanner, OEM burner plate, indicating lamps (power on, main fuel, call for heat, flame failure)

DESCRIPTION	PRICE
C3-G-25B SB745/800 G MOD 230/3/60 8-14in	<b>Refer to BST2.0 for Pricing and Available Burner Selections</b>
C3-G-25B SB745/800 G MOD 460/3/60 8-14in	
C3-G-25B SB745/800 G MOD 230/3/60 1-2psi	
C3-G-25B SB745/800 G MOD 460/3/60 1-2psi	
C4-G-25 SB745/1050 G MOD 230/3/60 8-14in	
C4-G-25 SB745/1050 G MOD 460/3/60 8-14in	
C4-G-25 SB745/1050 G MOD 230/3/60 1-2psi	
C4-G-25 SB745/1050 G MOD 460/3/60 1-2psi	

DESCRIPTION	PRICE
C4-G-30 SB745/1300 G MOD 230/3/60 8-14in	Refer to BST2.0 for Pricing and Available Burner Selections
C4-G-30 SB745/1300 G MOD 460/3/60 8-14in	
C4-G-30 SB745/1300 G MOD 230/3/60 1-2psi	
C4-G-30 SB745/1300 G MOD 460/3/60 1-2psi	
C5-G-30 SB745/1550 G MOD 230/3/60 8-14in	
C5-G-30 SB745/1550 G MOD 460/3/60 8-14in	
C5-G-30 SB745/1550 G MOD 230/3/60 1-2psi	
C5-G-30 SB745/1550 G MOD 460/3/60 1-2psi	

For LP add. contact factory. For MA Code add. contact factory. For additional options, contact factory

## SB745 Dual Fuel Gas Burner Kits

Dual Fuel: Power Flame “C” series dual fuel burners for Modulation operation. Burner includes Honeywell combustion control, UV Scanner, OEM burner plate, indicating lamps (power on, main fuel, call for heat, flame failure).

DESCRIPTION	PRICE
C3-GO-25B SB745/800 DF MOD 230/3/60 8-14in	<b>Refer to BST2.0 for Pricing and Available Burner Selections</b>
C3-GO-25B SB745/800 DF MOD 460/3/60 8-14in	
C3-GO-25B SB745/800 DF MOD 230/3/60 1-2psi	
C3-GO-25B SB745/800 DF MOD 460/3/60 1-2psi	
C3-GO-25B SB745/1050 DF MOD 230/3/60 8-14in	
C3-GO-25B SB745/1050 DF MOD 460/3/60 8-14in	
C3-GO-25B SB745/1050 DF MOD 230/3/60 1-2psi	
C3-GO-25B SB745/1050 DF MOD 460/3/60 1-2psi	

DESCRIPTION	PRICE
C3-GO-25B SB745/1300 DF MOD 230/3/60 8-14in	<b>Refer to BST2.0 for Pricing and Available Burner Selections</b>
C3-GO-25B SB745/1300 DF MOD 460/3/60 8-14in	
C3-GO-25B SB745/1300 DF MOD 230/3/60 1-2psi	
C3-GO-25B SB745/1300 DF MOD 460/3/60 1-2psi	
C3-GO-25B SB745/1550 DF MOD 230/3/60 8-14in	
C3-GO-25B SB745/1550 DF MOD 460/3/60 8-14in	
C3-GO-25B SB745/1550 DF MOD 230/3/60 1-2psi	
C3-GO-25B SB745/1550 DF MOD 460/3/60 1-2psi	

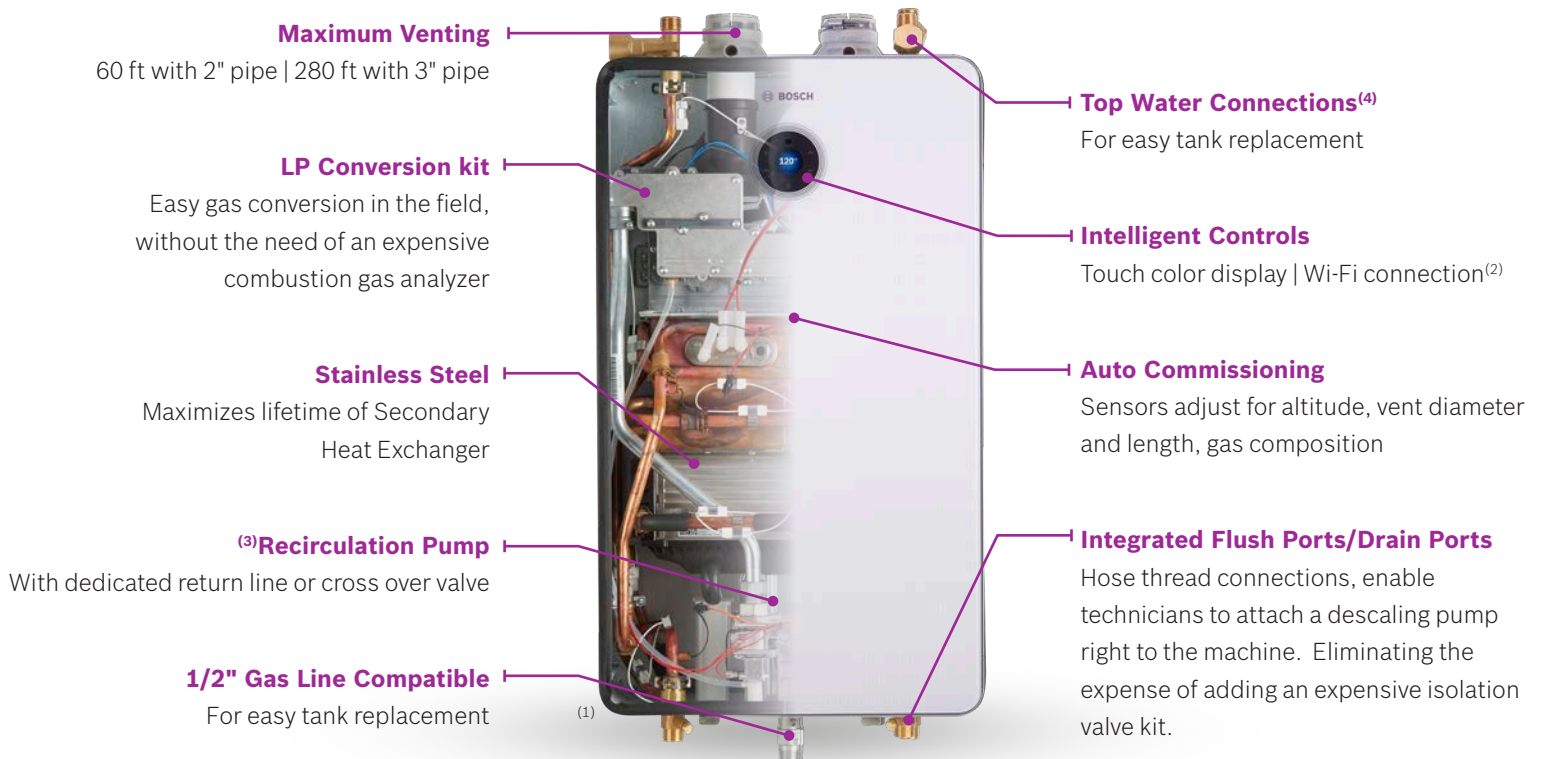
For LP add, contact factory. For MA Code add, contact factory. For additional options, contact factory



# Energy Efficient & Continuous Hot Water

## Bosch Greentherm 9000 Series

The Bosch Greentherm 9000 Series brings homeowners more than endless hot water. It saves time, money, space, and unnecessary stress. From its gorgeous exterior to the sophisticated technology on the inside, Bosch Greentherm water heaters are designed to impress. They deliver ultra efficient endless hot water and has features never seen on a water heater before.



# Designed For An Easy Install Built For Comfort Inside & Out

This flexible condensing high-efficiency low NOx gas tankless water heater is the first of its kind. It delivers endless hot water on demand, along with a user-friendly interface, easy installation, efficiencies up to 97%, color display with touchscreen, cascading up to 24 units, optional or available wifi connectivity with the Bosch Water app, and best of all, peace of mind.



## T9800 SEO Outdoor

Designed for outdoor conditions  
No vent pipes necessary  
Included LP conversion kit

## T9800/9900 SE Indoor

Top water connections for easy tank replacement  
Integrated flush ports  
Included LP conversion kit

## T9900i SE Indoor

All the benefits of the T9800/9900 + Built-in WiFi  
Recirculation pump on-board  
Durable glass front cover

Greentherm 9000 Series							
Technical Specifications	T9800 SEO 199	T9800 SEO 160	T9900 SE 199	T9900 SE 160	T9800 SE 199	T9800 SE 160	T9900i SE 199
Part Number	7-736-503-727	7-736-503-726	7-736-503-731	7-736-503-730	7-736-503-581	7-736-503-725	7-736-503-732
Price	\$2,013	\$1,766	\$2,502	\$2,143	\$2,058	\$1,811	\$2,788
NG Min-Max Input (kBtu)	9-199	9-160	9-199	9-160	9-199	9-160	9-199
Uniform Energy Factor	0.96	0.92	0.96	0.92	0.96	0.92	0.96
Dimension (WxHxD)	18 <sup>9/16"</sup> x 31 <sup>1/2"</sup> x 9 <sup>13/16"</sup>						
Temperature Range	100-140 °F						
Temperature Stability	+/- 2 °F						
Max Flow Rate at 35°F (GPM)	11.2	9	11.2	9	11.2	9	11.2
Activation Water Flow Rate	0.45 GPM						
Required NG Pressure	3.5" - 10.5"						
Required LPG Pressure	8" - 13"						
Built-in Recirculation Pump	-	-	✓	✓	-	-	✓
Electrical Requirements	120 VAC 60Hz						
Noise Level	<57 dB						
Max Flue Length	Twin Pipe	N/A		2": 60ft + 60ft; 3": 280ft + 280ft			
	Concentric Pipe	N/A		2"/4": 60ft; 3"/5": 280ft			

✓ - Standard Equipment, ○ - Optional



# Reliable & Continuous Hot Water

## Bosch Therm Series

The Bosch Therm Series is a high-quality non-condensing tankless water heater with up to 0.82 UEF. The Therm series is designed to offer high efficiency during high demand time periods in the average North American home. The Bosch Therm series is ultra low NOx Certified, and offers endless hot water and proven product reliability.

### Features

- ▶ Activation flow rate of 0.5 GPM
- ▶ Limited 15-year heat exchanger warranty\*
- ▶ Ultra low NOx Certified
- ▶ Digital display for accurate temperature setting
- ▶ Intelligent cascading up to 24 units
- ▶ Approved for use with ½" gas line\*\*
- ▶ Available in NG and LP configurations
- ▶ 180F outlet water capability with high temp kit
- ▶ Vent kit for outdoor installations
- ▶ Built-in Freeze Protection
- ▶ Space saving design with 100% serviceable parts & easy access



\*Please go to [boschheatingandcooling.com](http://boschheatingandcooling.com) for full limited warranty details

\*\*Consult manual and NFPA 54 ANSI Z223.1 national fuel gas code for requirements

# Bosch Therm

## Gas Tankless Water Heater Solutions

Bosch non-condensing tankless water heaters offer efficiency, versatile fuel sources (natural or liquid propane gas), and long service life. Residential models offer limited 15-year heat exchanger limited warranty<sup>§</sup>. Therm models are available for indoor or outdoor installation and are Low NOx compliant.

Therm Series		
Technical Specifications	940 ES NG/940 ES LP	830 ES NG/830 ES LP
Product Number	7-703-311-075/7-703-411-073	7-703-311-076/7-703-411-074
Price	\$2,043	\$1,765
Applications	Residential/Commercial	
Condensing/Non Condensing	Non Condensing	
Max. Input, Btu/h	199,000	175,000
Min. Input, Btu/h	19,900	
UEF	.82	
Capacity at 35°F ΔT (GPM)	9.4	8.3
Capacity at 55°F ΔT (GPM)	6.0	5.3
Activation Flow Rate, GPM	0.5	
Intelligent Cascading	Up to 24 units	
Temp Range °F	100-140/180 <sup>(1)</sup>	
Installation Options	Indoor/Outdoor <sup>(2)</sup>	
Dimensions (W-H-D), in	17 <sup>7</sup> / <sub>8</sub> x 30 <sup>1</sup> / <sub>2</sub> x 11 <sup>1</sup> / <sub>4</sub>	
Weight, lbs	67	
Water Connections	¾" NPT	
Gas Connection	¾" NPT	
Water Pressure, psi	30 - 150	
Min. NG Pressure	3.5" WC	
Venting Options	Cat III Stainless Steel	
Vent Max length with 4" pipe	61ft.	
Vent Max length with 3" pipe	29ft.	
Low NOx Compliant	✓	
Warranties <sup>§</sup>	Heat Exchanger 15 years / All Other Parts 5 years / Labor 1 year	





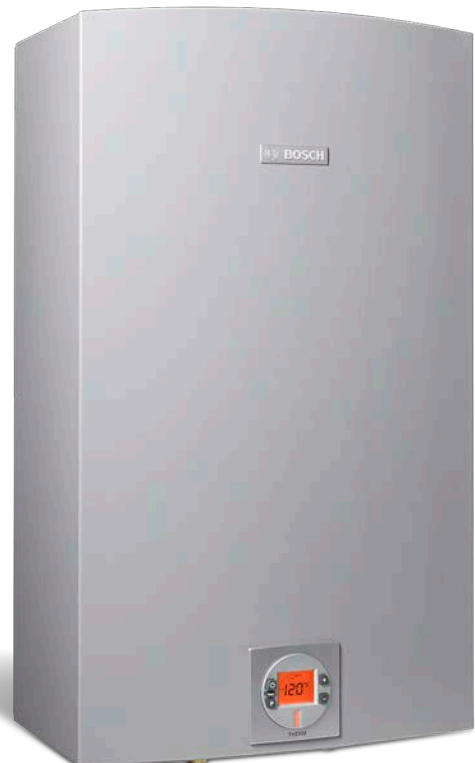
# Large Residential & Light Commercial Applications

## Bosch Therm 1210 Series

Bosch's 1210 series gas tankless water heaters are designed for large residential & light commercial applications with the ability for high temperature, common venting, cascaded units, and ASME certification.

### Features & Benefits

- ▶ Up to 98% thermal efficiency
- ▶ 225,000 BTU capacity
- ▶ 12.1 gallons per minute capacity at a 35F degree rise
- ▶ Cascade up to 24 units to achieve a capacity; up to 290 GPM
- ▶ Minimum activation flow rate of 0.5 GPM
- ▶ Ultra low NOx certified
- ▶ ASME rated for large residential & light commercial applications
- ▶ Built-in freeze protection
- ▶ Direct vent, with PVC, CPVC or Polypropylene
- ▶ Concentric and twin pipe venting options
- ▶ Can be used in solar thermal, recirculation, and space heating applications
- ▶ Space saving design with 100% serviceable parts and easy access
- ▶ Available in NG and LP models



# Highest Capacity, Fully Condensing Gas Tankless Water Heater From Bosch

Up to 24 Bosch Therm 1210 models can be linked together to achieve an incredible 290 gallons per minute.

- Cascade up to 24 units to satisfy jobs of all sizes.
- Only the lead unit is on standby keeping the activation flow rate at 0.5 GPM.
- When load increases, the lead unit automatically calls on other units to fire up.
- Lead unit is automatically rotated to share the load evenly.
- Certified to common vent for a cleaner installation.



Therm 1210 Series		
Technical Specifications	C 1210 ESC NG/LP	C 1210 ES NG/LP
Part Number	NG 7-703-311-072 LP 7-703-411-070	NG 7-703-311-073 LP 7-703-411-071
Price	\$3,977	\$3,716
Applications	Commercial	Commercial /Residential
Condensing/Non Condensing	Condensing	
Max. Input, Btu/h	225,000	
Min. Input, Btu/h	25,000	
Thermal Efficiency	Up to 98%	
Capacity @ 35° GPM	12.1	
Capacity @ 55° GPM	7.7	
Activation Flow Rate, GPM	0.5	
Intelligent Cascading	Up to 24 units	
Temp Range °F	100 - 180	100 - 140
Installation Options	Indoor/Outdoor	
Dimensions (W-H-D), in	17 <sup>7</sup> / <sub>8</sub> x 30 <sup>1</sup> / <sub>2</sub> x 11 <sup>1</sup> / <sub>4</sub>	
Weight, lbs	88	
Water Connections	¾" NPT	
Gas Connection	¾" NPT	
Water Pressure, psi	30 - 150	
Min. NG Pressure	3.5" WC	
Venting Options	PVC, CPVC, ABS, PP Common Vent	
Vent Max. Run 4" pipe	63ft.	
Vent Max. Run 3" pipe	31ft.	
ASME Rated	✓	
Low NOx 2012 Compliant	✓	
National Sanitary Foundation Certified	✓	
Limited Warranties: <sup>§</sup> Heat Exchanger All Other Parts Labor	5-Years 5-Years 1-Year	15-Years* 5-Years 1-Year

§Copies of original warranties in their entirety are available at [www.boschheatingandcooling.com](http://www.boschheatingandcooling.com), \*Heat exchanger warranty is 5 years when installed in commercial applications.

# Gas Tankless Water Heater Accessories

Greentherm 9000 Accessories			T9900 SERIES			T9800 SERIES			
			INDOOR			INDOOR		OUTDOOR	
ACCESSORIES	PART NO	PRICE	T9900i SE 199	T9900 SE 199	T9900 SE 160	T9800 SE 199	T9800 SE 160	T9800 SEO 199	T9800 SEO 160
External Pump Control Cable	7-736-504-585	\$54				✓	✓	✓	✓
Aquastat Connector Cable	7-736-504-584	\$58		✓	✓	✓	✓	✓	✓
External NTC with Connector Cable	7-736-504-583	\$54		✓	✓	✓	✓	✓	✓
30' Extension Cable for Outdoor HMI	7-736-504-943	\$62						✓	✓
Wifi Module	7-736-504-944	\$139		✓	✓	✓	✓		
Wired Remote with Wifi	7-736-504-945	\$295	✓	✓	✓	✓	✓	✓	✓
Intelligent Cascading Kit	7-709-003-962	\$43	✓	✓	✓	✓	✓	✓	✓

Therm Accessories			HIGH BTU CONDENSING MODELS		NON CONDENSING MODELS	
ACCESSORIES	PART NO	PRICE	C 1210 ESC	C 1210 ES	940 ES	830 ES
Outdoor Kit Gray	7-709-003-913	\$147	✓	✓	✓	✓
Intelligent Cascading Kit	7-709-003-962	\$43	✓	✓	✓	✓
Remote Control	7-709-003-213	\$237	✓	✓	✓	✓
High Temperature Kit	7-736-500-074	\$29		✓	✓	✓
Pressure Relief Valve	7-738-001-152	\$10	✓	✓	✓	✓
Exhaust/Intake Brid Screen	L-259-4	\$7	✓	✓	✓	✓

Therm Venting	PART NO	PRICE	C 1210 ESC	C 1210 ES	940 ES	830 ES
Concentric Vent Kit SS 3"/5"	E-SHC-K	\$198			✓	✓

Therm Common Venting	PART NO	PRICE	C 1210 ESC	C 1210 ES	940 ES	830 ES
Cascade Set side by side 80-150	7-736-501-100	\$786	✓	✓		
Cascade Set back to back ext. 80-150	7-736-501-252	\$553	✓	✓		
Cascade Set back to back 80-150	7-736-501-253	\$712	✓	✓		
Cascade Set side by side ext. 80-150	7-736-501-254	\$382	✓	✓		
Wall terminal PP 150	7-736-501-117	\$350	✓	✓		
Roof terminal PP 150	7-736-501-119	\$373	✓	✓		
Elbow Dn150 90°	7-736-501-132	\$50	✓	✓		
Elbow Dn150 45°	7-736-501-146	\$53	✓	✓		
Extension fixed Dn150x2000	7-736-501-133	\$152	✓	✓		
Extension fixed Dn150x1000	7-736-501-135	\$91	✓	✓		
Extension fixed Dn150x500	7-736-501-137	\$59	✓	✓		

# Bosch Gas Tankless Water Heaters

## Product Selection Guide

### Choosing the Right Bosch Product

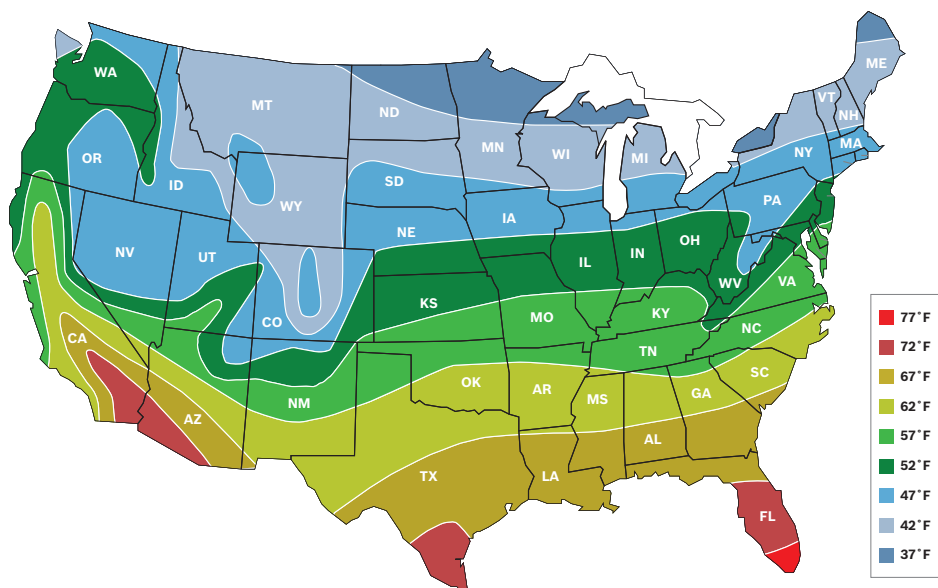
There are many factors to take into account when selecting the right Bosch water heater: the number of people in the home, type of showers and tubs, water pressure, and geographic region.

1. On the map, determine the ground water temperature in your area.
2. In the corresponding column select the Bosch water heater based on how many fixtures you'll be running at the same time (gallons per minute).
3. Follow the horizontal row to find the appropriate product for your application
































































Calculations based on 120°F set point temperature, 107°F shower temperature, 2.5 GPM showerhead flow rate, 1.5 GPM sink flow rate, adequate water pressure and gas supply. Variation from these parameters may alter actual performance. GPM shown is the hot water flow rate at 120°F set point temperature.

### Groundwater Temperatures

**Example:** A homeowner in Richmond, Virginia is considering the T9800 SE 199. The groundwater temperature in Richmond is 57°F, which means this family can run up to two showers and one sink at the same time, using up to 6.0 GPM.



### Tankless Water Heater Selection Guide

INLET TEMP. ( °F)	SUMMER					WINTER				
GAS TANKLESS	77°	72°	67°	62°		57°	52°	47°	42°	37°
C 1210 ES(C)	 9.7 GPM	 8.7 GPM	 7.9 GPM	 7.3 GPM		 6.6 GPM	 6.1 GPM	 5.7 GPM	 5.4 GPM	 5 GPM
T9800 SE(O) 199 T9900 SE 199	 9.2 GPM	 8.2 GPM	 7.4 GPM	 6.8 GPM		 6.3 GPM	 5.8 GPM	 5.4 GPM	 5.1 GPM	 4.7 GPM
T9800 SE(O) 160 T9900 SE 160	 7.4 GPM	 6.6 GPM	 6.0 GPM	 5.5 GPM		 5.0 GPM	 4.7 GPM	 4.3 GPM	 4.1 GPM	 3.8 GPM
940 ES	 7.8 GPM	 6.8 GPM	 6.1 GPM	 5.6 GPM		 5.2 GPM	 4.8 GPM	 4.4 GPM	 4.2 GPM	 3.9 GPM
830 ES	 6.9 GPM	 6 GPM	 5.5 GPM	 5 GPM		 4.5 GPM	 4.1 GPM	 3.9 GPM	 3.8 GPM	 3.5 GPM
ELECTRIC TANKLESS	77°	72°	67°	62°		57°	52°	47°	42°	37°
WH27	 4.3 GPM	 3.8 GPM	 3.5 GPM	 3.2 GPM		 2.9 GPM	 2.7 GPM	 2.5 GPM	 2.3 GPM	 2.2 GPM
WH17	 2.7 GPM	 2.5 GPM	 2.2 GPM	 2.0 GPM		 1.9 GPM	 1.7 GPM	 1.6 GPM	 1.5 GPM	 1.4 GPM

Showers
 Sink Faucet

Calculations are based on 120°F set point temperature, 2.1 GPM showerhead flow rate, 1.5 GPM sink flow rate.



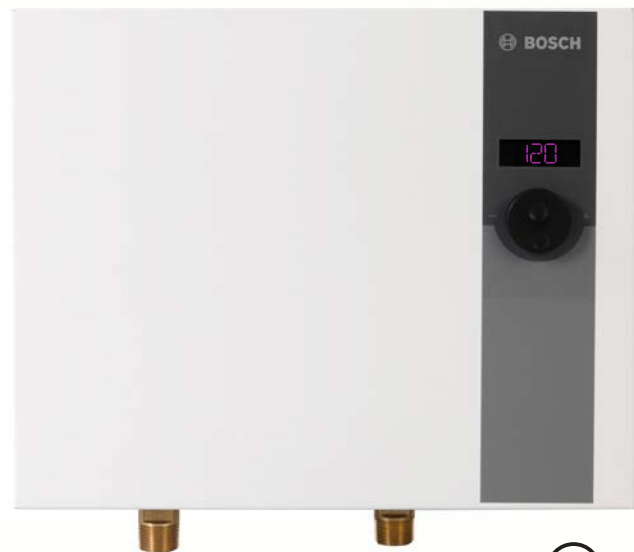
# Whole House Electric Tankless Water Heater

## Bosch Tronic 6000C

The compact yet powerful Tronic whole house electric tankless water heaters are easy to install and deliver enough hot water for large homes. They are 97% efficient with no stand-by loss and have modulating elements that ensure a constant output temperature that homeowners demand.

### Features

- ▶ 97% thermal efficiency
- ▶ Compact and lightweight
- ▶ Thermostatic modulation provides a constant output temperature
- ▶ Built-in inlet water filter
- ▶ LED display for precise temperature control
- ▶ Knob for easy temperature adjustment
- ▶ 5 year limited warranty<sup>§</sup>



### Water Connections

The Tronic 6000 models have 3/4" NPT fittings for both cold and hot water connections for high flow and easy tank replacement.



Technical Specifications	WH27	WH17	US12
Part Numbers	7-736-503-051	7-736-503-050	7-736-500-683
Price	<b>\$1,104</b>	<b>\$715</b>	<b>\$277</b>
Voltage Requirements	208-240V		240V
Power (kW)	26.9	17.3	12 kW
Amperage Requirements	120 (3 x 40 Amps)	80 (2 x 40 Amps)	50A
Minimum Wire Size	8 AWG		6 AWG
Activation Flow Rate, GPM	0.8	0.6	0.6
Water Pressure Range, psi	15 - 150		10 - 150
Water Fittings	3/4" Male NPT		3/4" Male NPT
Thermal Efficiency	97%		98%
Dimensions, in.	15 <sup>1/2</sup> x 12 <sup>1/2</sup> x 4 <sup>1/2</sup>		12¾ x 6½ x 3
Weight, lbs	22	20	5

#### Maximum Flow Rate Depending on Temperature Rise

GPM Output at Temperature Rise of 45°F	3.9	2.6	1.8
GPM Output at Temperature Rise of 55°F	3.3	2.2	1.5
GPM Output at Temperature Rise of 65°F	2.8	1.8	1.2

\* Specs are based on 240 V. Lesser voltage will result in reduced output.





# Under-Sink Electric Tankless Water Heaters

## Bosch Tronic 3000

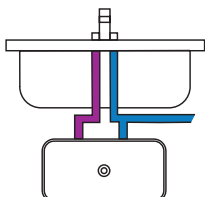
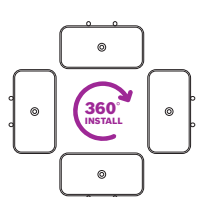
The Bosch Tronic 3000 is an ultra compact and lightweight under-sink tankless water heater. It is designed to provide an endless supply of hot water to one or more sinks. The Tronic 3000 has a 98% efficiency with no stand-by loss and it is incased in a beautiful white durable plastic housing. This unit has the ability to be installed in a 360 degree orientation, which allows you to position the unit in tight under counter applications which makes for an easy and flexible install.

### Features

- ▶ 98% efficient with no stand-by loss
- ▶ Ultra compact and light weight
- ▶ Copper heat exchanger with copper-sheathed heating elements for longer life
- ▶ 360 degree installation
- ▶ No temperature / pressure relief valve is necessary (subject to local codes)
- ▶ 5 year limited warranty<sup>§</sup>
- ▶ As low as 0.3 GPM activation flow rate

### Applications

Light commercial applications where it is more practical to have a point of use water heater, such as shopping malls, airports, stadiums and offices.





## The Benefits of Tankless

The Tronic 3000 takes up far less space than a traditional water heater, and can be wall mounted right under the sink, taking up practically zero space. Because they run on electricity and don't hold water, there is no venting and virtually no maintenance. With significant energy and space savings, this tankless water heater is a great choice for your point-of-use applications.

Technical Specifications	US9-2R	US7-2R	US4-2R	US3-2R
Part Number	7-736-505-871	7-736-505-870	7-736-505-868	7-736-505-867
Price	\$271	\$271	\$271	\$265
Uniform Energy Factor	0.97	0.98	0.97	0.95
Activation Flow	0.7 GPM		0.4 GPM	0.3 GPM
Electrical Requirements				
Voltage Requirements	240	240	240	120
Watts (kW)	9.5	7.2	4.5	3.6
Max Amps	40	30	25	30
Minimum Wire Size	8 AWG	10 AWG		
Phase	Single			
Maximum Flow Rate Depending on Temperature Rise				
GPM Output at Temperature Rise of 45°F	1.4	1.1	0.7	0.5
GPM Output at Temperature Rise of 55°F	1.2	0.9	0.6	0.4
GPM Output at Temperature Rise of 65°F	1.0	0.8	0.5	0.4





# Electric Mini-Tank Water Heaters

## Bosch Tronic 3000T

Our point-of-use electric mini-tanks are available in three sizes which can be floor standing or wall hung. To get hot water where it's needed, when it's needed, use the Tronic 3000T point-of-use electric mini-tank heater from Bosch. This heater can supplement a primary water heating source, or be the primary water heating source for point-of-use applications.

### Features

- ▶ Knob for easy temperature adjustment
- ▶ LED indicates when tank is heating up
- ▶ Units can be floor standing or wall mounted (bracket included)
- ▶ Models ES2.5 and ES4 have a 120 VAC plug-in connection<sup>(2)</sup>
- ▶ Compact, lightweight, space saving
- ▶ Temperature / pressure relief valve included
- ▶ 6 year limited warranty<sup>(1)</sup>



### Applications

- ▶ Sinks located far from primary water heater
- ▶ Kitchenettes
- ▶ In-law suites
- ▶ Half bathroom or powder room





## Easy Installation

Simply tap into the cold water line, provide an electrical connection and install the water heater near the sink. The heater 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.

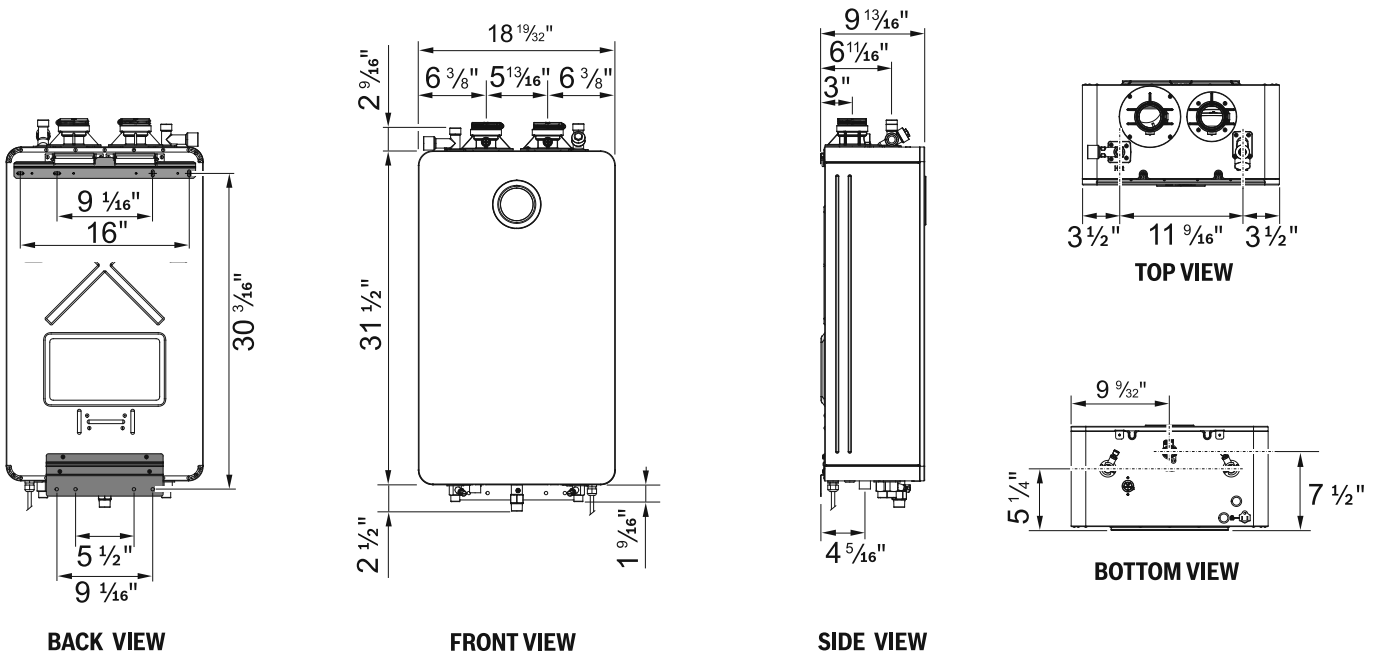
Technical Specifications	ES8	ES4	ES2.5
Part Number	7-738-004-998	7-738-004-997	7-738-004-996
Price	\$490	\$368	\$355
Tank Volume (gal)	7.1*	4	2.7
Heating Capacity, Watts	1440	1440	1440
Recovery Rate @ 90°F Rise, GPH	6.8	6.8	6.8
Temperature Range (°F)	65 - 145	65 - 145	65 - 145
Maximum Operating Pressure	150	150	150
Weight (lbs)	29.5	17.3	15.5
Dimensions (in)	17½ x 17½ x 14½	14 x 14 x 12¼	14 x 14 x 10¼
Water Fittings	¾" Male NPT	½" Male NPT	½" Male NPT
Relief Valve	Included	Installed	Installed
Electrical Requirements			
Volts (VAC)	120	120	120
Amps	12	12	12
Wire Type	Hard Wired	Plug-In	Plug-In

\*ES8 tank volume horizontal installation 7 gal; vertical installation 5.1 gal

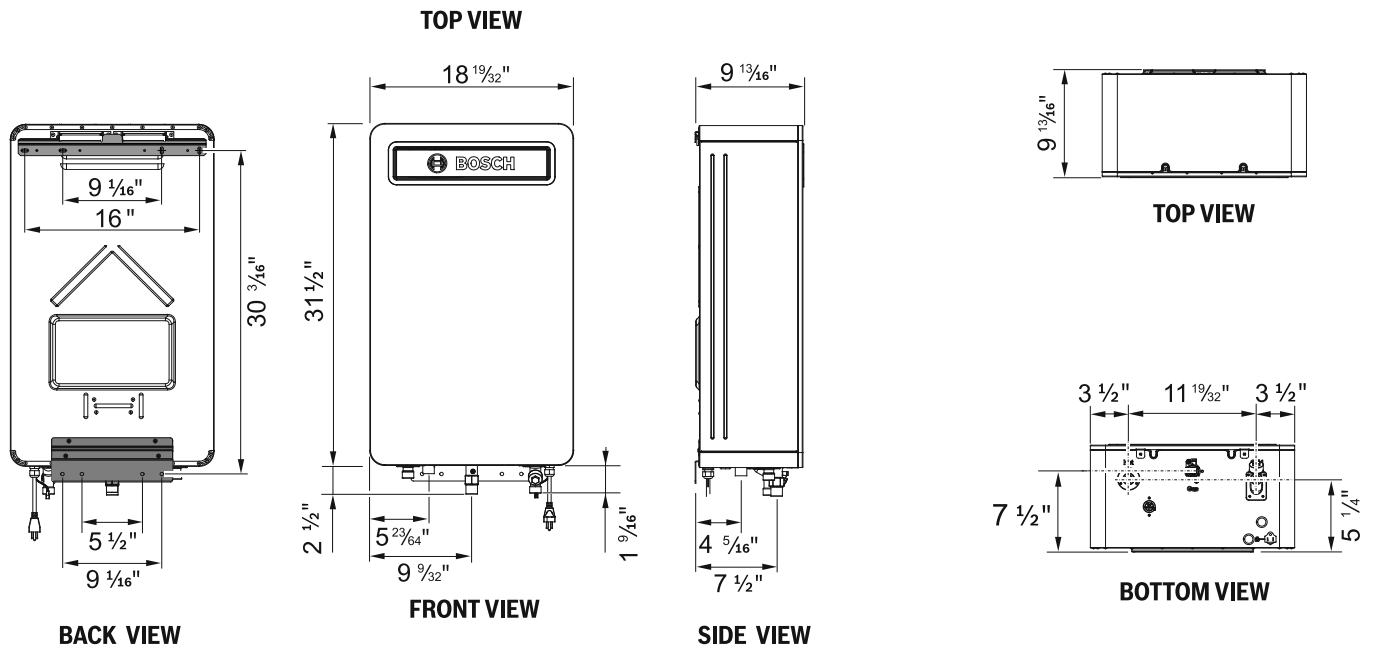
# Tankless Water Heater Dimensions and Connections

Front, side, top and bottom view measurements in inches.

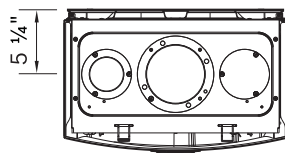
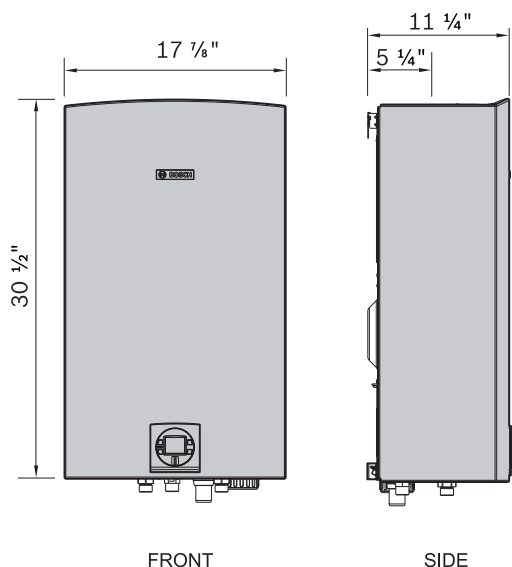
## Greentherm 9000 Series Indoor Models



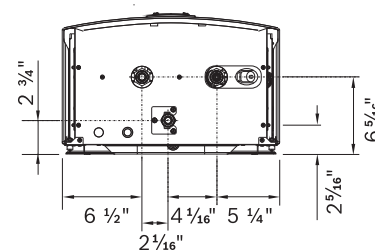
## Greentherm 9000 Series Outdoor Models



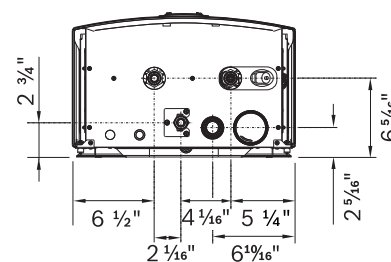
## Therm Models C 1210 ES, C 1210 ESC, 940 ES, 830 ES



## Therm Models 940 ES, 830 ES



## Therm Models C 1210 ES, C 1210 ESC



## Certifications



MODEL	C CSA US	CSA STAR	CSA FLAME	AHRI	ENERGY STAR
830 ES	✓	✓	✓	✓	—
940 ES	✓	✓	✓	✓	—
T9800 SE(O) 160 T9900 SE 160	✓	✓	✓	✓	✓
T9800 SE(O) 199 T9900(i) SE 199	✓	✓	✓	✓	✓
C 1210 ES(C)	✓	✓	✓	✓	—

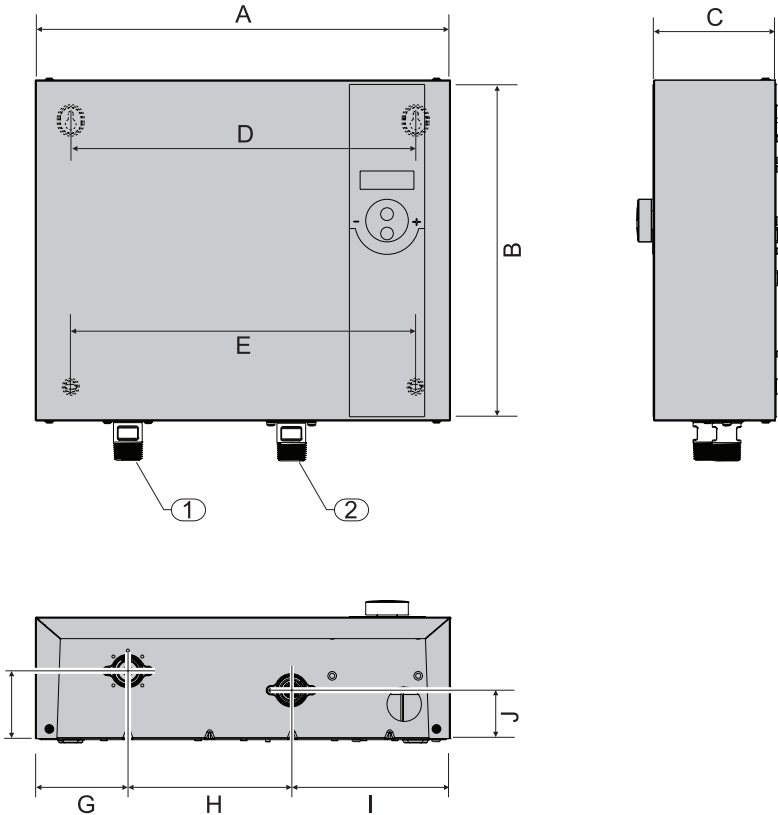


MODEL	IAPMO UPC AND LOW LEAD	NSF	MA BOARD	LOW NO <sub>x</sub>	ASME HLW
830 ES	✓		✓	✓	—
940 ES	✓		✓	✓	—
T9800 SE(O) 160 T9900 SE 160	✓	✓	✓	✓	—
T9800 SE(O) 199 T9900(i) SE 199	✓	✓	✓	✓	—
C 1210 ES(C)	✓	✓	✓	✓	✓



WH27 / WH17 Dimensions and Connections

Front, side and bottom view measurements in inches.

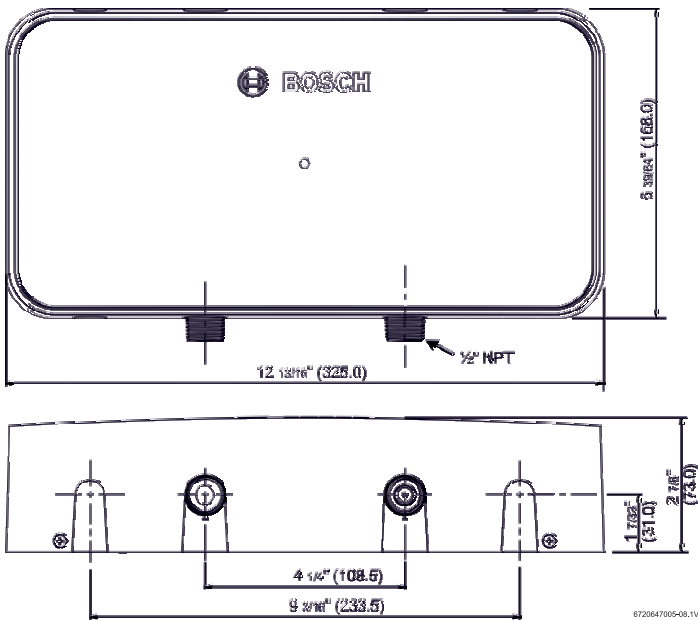


WH27 / 17	DIMENSIONS (INCHES)
A (Width)	15 1/4
B (Height)	12 1/2
C (Depth)	4 1/2
D	12 5/8
E	12 5/8
F	2 1/2
G	3 1/2
H	6 1/8
I	5 3/4
J	1 3/4
Water connections	3/4

- 1 Outlet 3/4" NPT (hot water)
- 2 Inlet 3/4" NPT (cold water)
- 3 Temperature knob
- 4 LED

US3-2R / US4-2R / US7-2R / US9-2R Dimensions and Connections

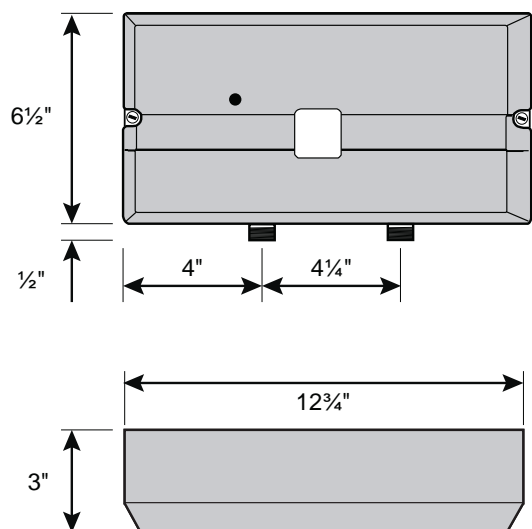
Front and top view measurements in inches.



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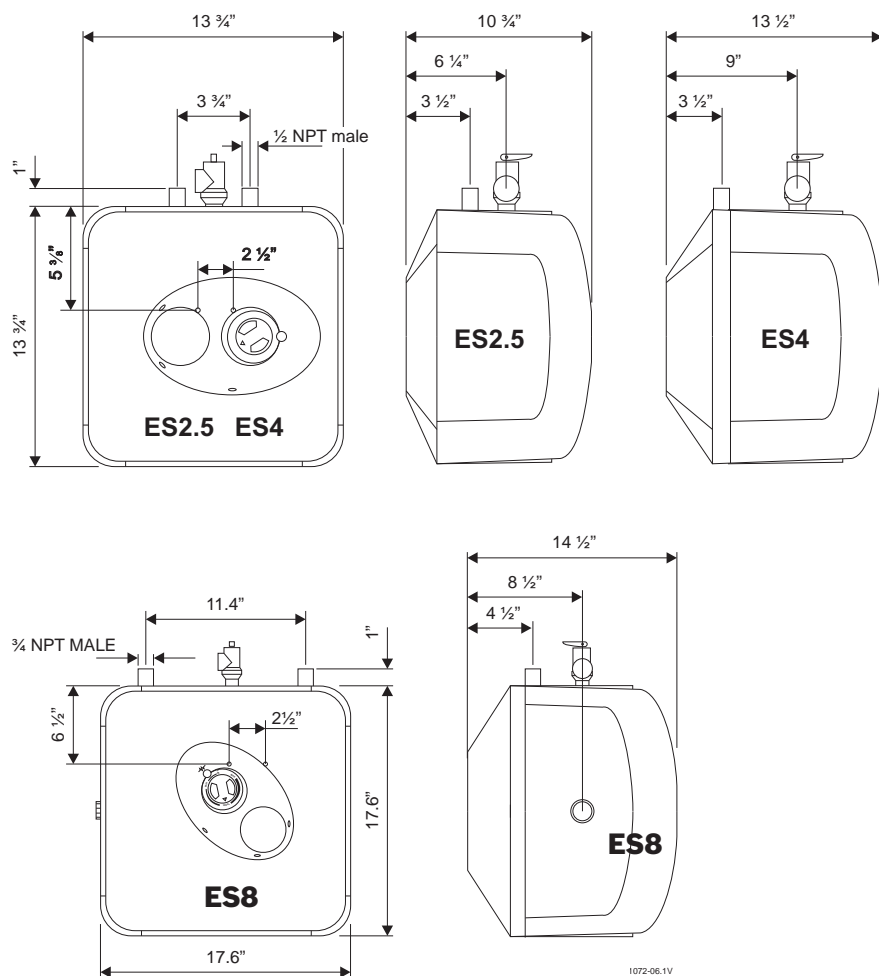
## US12 Dimensions and Connections

Front and top view measurements in inches.



## Tronic 3000T Dimensions and Connections

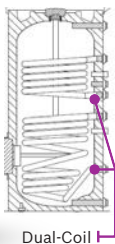
Vertical Installations



# A Reliable & Simple Way to Store Hot Water!

## Bosch Domestic Hot Water Tanks

Bosch domestic hot water tanks offer features that provide for ease of installation, simple maintenance and reliable operation. All Thermoglaze models are equipped with a magnesium anode rod for protection against corrosion, a drain for easy maintenance, and have adjustable screw-on feet for leveling. An easy-access cover aids in cleaning and maintaining the coil and tank interior.



### SM Series

Thermoglaze Dual-Coil Tanks

SM tanks are designed for solar and high performance applications.



### LT Series

Thermoglaze Single-Coil Tanks

Short on space? The LT horizontal tanks are designed to fit under Buderus oil boilers for a smaller footprint.



### S & SU Series

Thermoglaze Single-Coil Tanks

Our single coil indirect DHW storage tanks offer easy installation and simple maintenance to provide excellent value at a competitive price.



### SST Series

Stainless Steel Single-Coil Tanks

The SST tanks have a welded and passivated 316L stainless steel interior and a 316L stainless steel single coil heat exchanger. This provides durability and resistance to corrosion.

# Indirect Tanks

In North America the average household spends around 30% of their energy costs to heat domestic water. Buderus designs its hot water tanks to work more economically and efficiently. Buderus pioneered new methods of producing and storing domestic hot water, so you are assured of greater operating efficiencies, lower fuel consumption and consistent hot water while saving money.

Buderus DHW tanks are a reliable and clean way to store hot water, there is a Buderus domestic hot water tank that is just right for your application.

## Simple Maintenance and Reliable Operation

Buderus domestic hot water tanks offer features that provide for ease of installation, simple maintenance and reliable operation. All Thermoglaze models are equipped with a magnesium anode rod for protection against corrosion, a drain for easy maintenance, and have adjustable screw-on feet for leveling. An easy-access cover aids in cleaning and maintaining the coil, anode rod, and tank interior.

## Single Coil Indirect Tanks

MODEL	VERTICAL SINGLE COIL MODELS				HORIZONTAL SINGLE COIL MODELS		
	S32 (White) Includes Aquastat	SU54 (White)	SU80 (White)	SU100 (White)	LT160 (Blue)	LT200 (Blue)	LT300 (Blue)
PART NO.	7-738-003-203	8-718-543-070	8-718-541-924	8-718-542-949	8-718-573-520	8-718-573-519	8-718-573-522
PRICE	\$1,414	\$2,125	\$2,416	\$3,588	\$2,053	\$2,282	\$2,967
Tank Capacity, Potable Volume, gal	30.0	51.3	77.4	98.4	42.6	52.5	76.0
Standby Heat Loss, °F/h	1.0	0.6	0.5	0.4	0.8	0.6	0.5
Diameter, in.	21¾	21¾	26⅜	26⅜	25¾	25¾	25¾
Height, in.	38⅝	60¾	58⅞	72¼	25¾	25¾	25¾
Length, in.	—	—	—	—	36¾	42¼	57¾
Connection Heat Exchanger Coil, in.	¾	1	1	1	1	1	1
Connection DHW outlet, in.	¾	1	1	1	1	1	1
Connection Cold Water Inlet, in.	¾	1	1	1	1¼	1¼	1¼
Connection Recirculation, in.	¾	¾	¾	¾	¾	¾	¾
Approx. Dry Weight, lbs	160	170	231.5	282	220	247	364
Max. DHW Temperature, °F	203	203	203	203	203	203	203
Max. DHW Operating Pressure, psi	150	150	150	150	150	150	150
Max. Heat Exchanger Coil Water Temperature, °F	230	230	230	230	212	212	212
Max. Heat Exchanger Coil Pressure, psi	232	232	232	232	232	232	232
PERFORMANCE DATA*							
First Hour Rating, gph	165	180	264	312	163	176	276
Continuous Rating, gph (continuous draw)	137	130	189	218	122	128	208
Heat Input to Tank, mbh (min heat source output)	87	84	119	143	76	82	126
Boiler Water Flow Rate, gpm (min heat source flow)	8.0	11.4	11.4	14.0	14.0	14.0	14.0
Coil Pressure Drop, ft of head (heat source friction loss)	1.9	2.4	2.7	3.8	2.4	2.8	3.2

\*Performance data tested at 180°F (82.2°C) Boiler Supply Temperature, 58°F (14.4°C) Cold Water Inlet Temperature, 135°F (57.2°C) DHW Outlet Temp

### NOTES:

1. All AHRI Certified ratings are in GREEN Boldface type
2. SM80 & SM100 are UPC, USEC and Low-Lead Certified by IAPMO R & T
3. S32, SU54, SU80, SU100, LT160, LT200, LT300 have UPC and Low-Lead Certification by IAPMO Research & Testing
4. Ratings in BLACK are outside the scope of AHRI-IWH Certification Program





## Vertical Dual Coil Indirect Tanks

MODEL	SM80 (White)				SM100 (White)			
PART NO.	8-718-541-313				8-718-541-322			
PRICE	\$3,406				\$4,799			
PHYSICAL DATA								
Tank Capacity, gal	75.4				96.9			
Diameter, in.	26 <sup>3</sup> / <sub>8</sub>				26 <sup>3</sup> / <sub>8</sub>			
Height, in.	58 <sup>7</sup> / <sub>8</sub>				72 <sup>1</sup> / <sub>4</sub>			
Length, in.	–				–			
Connection Heat Exchanger Coil, in.	1				1			
Connection DHW outlet, in.	1				1			
Connection Cold Water Inlet, in.	1				1			
Connection Recirculation, in.	¾				¾			
Approx. Dry Weight, lbs	260				298			
Max. DHW Temperature, °F	203				203			
Max. DHW Operating Pressure, psi	150				150			
Standby Heat Loss, °F/h	0.6				0.5			
Max. Heat Exchanger Coil Water Temperature, °F	230				230			
Max. Heat Exchanger Coil Pressure, psi	232				232			
PERFORMANCE DATA*	LOWER COIL	UPPER COIL	DUAL COIL	DUAL COIL, PARALLEL	LOWER COIL	UPPER COIL	DUAL COIL	DUAL COIL, PARALLEL
Heat Input to Tank, MBH	112.4	78.2	178.8	156.7	169.1	87.9	235.4	202.9
Continuous Rating: (gph)	185	135	298	278	265	153	376	344
First Hour Rating: (gph)	257	135	363	345	356	153	462	434
Boiler Water Flow Rate, gpm	11.4	11.4	11.4	11.4	14.0	14.0	14.0	14.0
Coil Pressure Drop: ft of Head:	2.5	1.8	3.2	1.4	5.8	3.5	10.2	2.1

## Stainless Steel Indirect Tanks



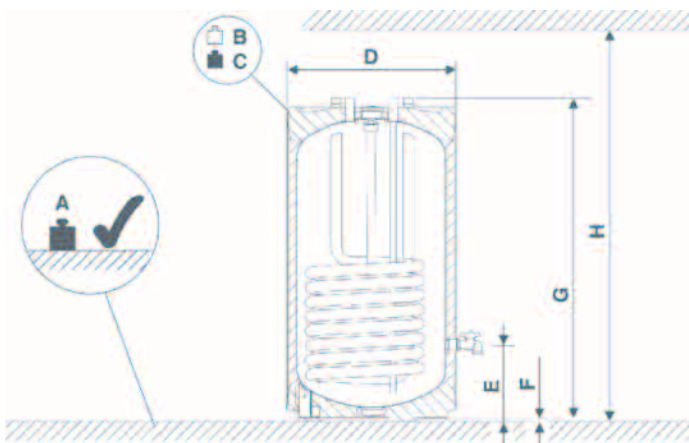
MODEL	SST150-40 (Blue)	SST250-65 (Blue)	SST300-80 (Blue)	SST450-119 (Blue)
PART NO.	7-738-001-642	7-738-001-643	7-738-001-644	7-738-001-645
PRICE	\$1,978	\$2,761	\$3,089	\$4,402
PHYSICAL DATA				
Tank Capacity, gal	40	67	81.5	113.4
Diameter, in.	20	24	24	28
Height, in.	56	60	70	69
Length, in.	–	–	–	–
Connection Heat Exchanger Coil, in.	1	1	1	1
Connection DHW outlet, in.	1	1.5	1.5	1.5
Connection Cold Water Inlet, in.	1	1.5	1.5	1.5
Approx. Dry Weight, lbs (5% higher including packaging)	105	147	177	213
Max. DHW Temperature, °F	194			
Max. DHW Operating Pressure, psi	150			
Standby Heat Loss, °F/h*	0.9	0.7	0.6	0.5
PERFORMANCE DATA*				
Heat Input to Tank, mph	115	154	160	199
Continuous Rating: (gph)	181	263	266	322
First Hour Rating: (gph)	208	327	347	431
Boiler Water Flow Rate, gpm	14	14	14	14
Coil Pressure Drop: ft of Head:	4.5	5.7	5.7	6.5

\*Performance data tested at 180°F (82.2°C) Boiler Supply Temperature, 58°F (14.4°C) Cold Water Inlet Temperature, 135°F (57.2°C) DHW Outlet Tem. All AHRI Certified ratings are in Boldface type

## S32/5 Tank Dimensions

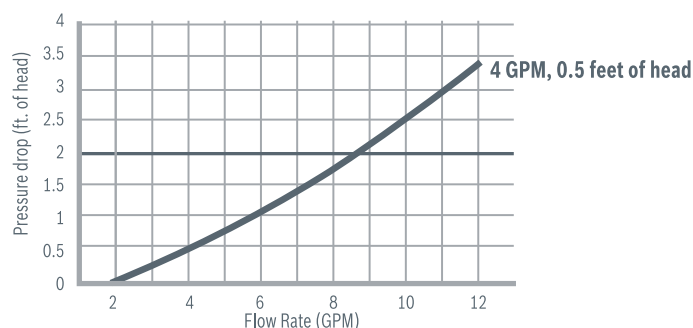
ITEM	DESCRIPTION	UNIT	S32/5
A	Minimum floor weight carrying capacity	lb (kg)	424 (192)
B	Weight (empty)	lb (kg)	160 (72)
C	Weight (full)	lb (kg)	424 (192)
D	Diameter	inch (mm)	21 $\frac{3}{4}$ (550)
E	Height of drain valve	inch (mm)	8 $\frac{1}{2}$ (218)
F	Clearance off floor	inch (mm)	$\frac{1}{2}$ (12.5)
G	Height of connections	inch (mm)	38 $\frac{5}{8}$ (980)
H	Minimum room height for anode replacement	inch (mm)	57 $\frac{1}{2}$ (1460)

ALL MODELS: Adjustable feet may be exposed by laying tank on its side—consult manual for details.



S32/5

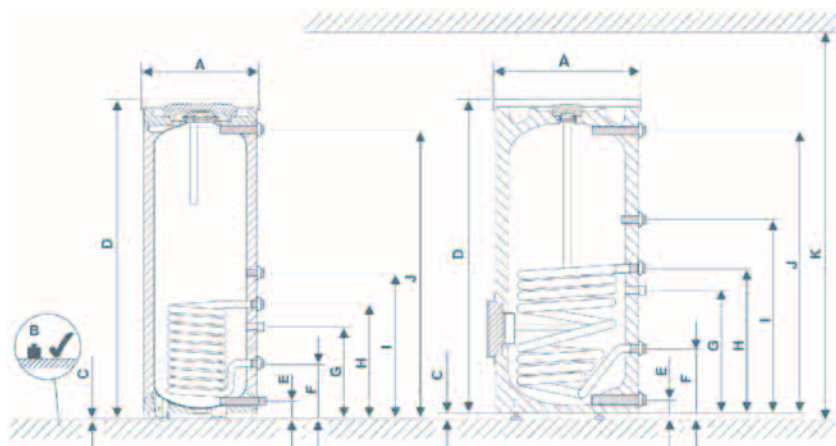
### Pressure Drop Curve



## SU54/80/100 Tank Dimensions

ITEM	DESCRIPTION	SU54/5	SU80/5	SU100/5
A	Diameter, in (mm)	21 $\frac{3}{4}$ (550)	26 $\frac{3}{8}$ (670)	26 $\frac{3}{8}$ (670)
B	Minimum floor weight carrying capacity, lb (kg)	628 (284)	893 (405)	1122 (509)
C	Clearance off floor, in (mm)	$\frac{1}{2}$ (12.5)	$\frac{3}{8}$ - $\frac{3}{4}$ (10-20)	$\frac{3}{8}$ - $\frac{3}{4}$ (10-20)
D	Overall height in (mm)	60 $\frac{1}{4}$ (1530)	57 $\frac{7}{8}$ (1495)	72 $\frac{1}{4}$ (1835)
E	Height, cold water inlet, in (mm)	3 $\frac{1}{4}$ (80)	3 $\frac{1}{8}$ (80)	3 $\frac{1}{8}$ (80)
F	Height, tank return, in (mm)	10 $\frac{1}{2}$ (265)	12 $\frac{1}{2}$ (318)	12 $\frac{1}{2}$ (318)
G	Height, sensor well for temperature sensor, in (mm)	17 $\frac{1}{8}$ (433)	24 $\frac{3}{16}$ (617)	31 $\frac{1}{8}$ (793)
H	Boiler flow height, in (mm)	21 $\frac{7}{8}$ (553)	28 $\frac{1}{2}$ (722)	35 $\frac{3}{8}$ (898)
I	Height, recirculation correction, in (mm)	27 $\frac{1}{4}$ (703)	35 $\frac{1}{2}$ (903)	45 (1148)
J	Height, DHW outlet, in (mm)	56 $\frac{4}{10}$ (1339)	53 $\frac{3}{8}$ (1355)	66 $\frac{3}{4}$ (1695)
K	Minimum room height for anode replacement, in (mm)	74 $\frac{1}{4}$ (1880)	72 $\frac{7}{8}$ (1850)	82 $\frac{1}{4}$ (2100)

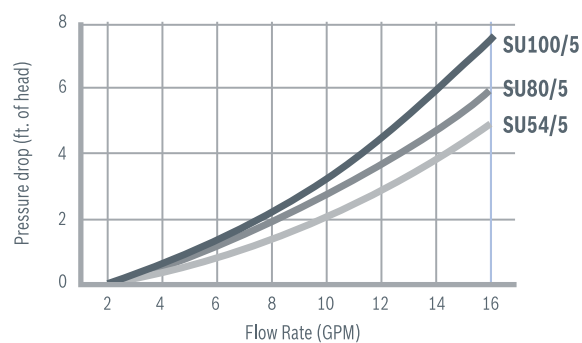
ALL MODELS: Adjustable feet may be exposed by laying tank on its side—consult manual for details.



SU54

SU80, SU100

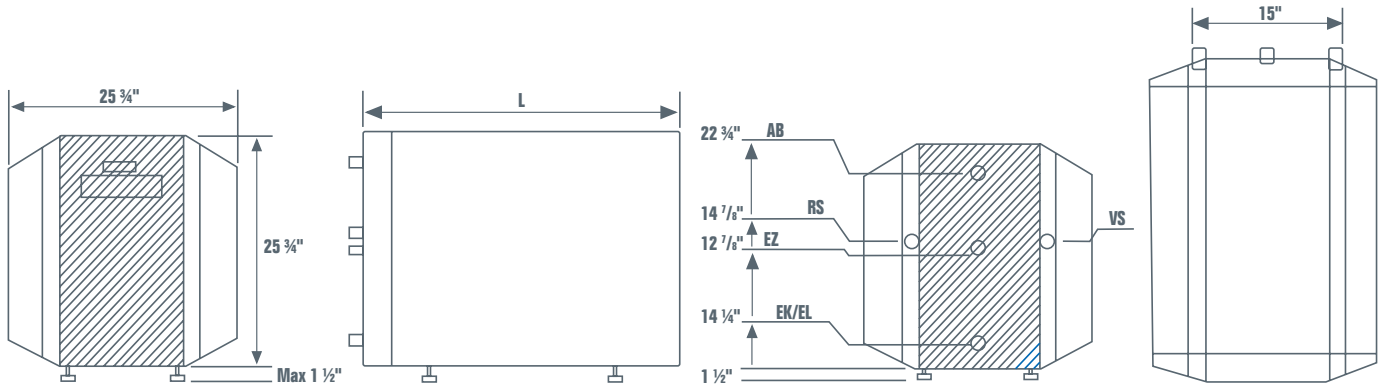
### Pressure Drop Curve



LT Tank Dimensions

ITEM	DESCRIPTION	ALL LT MODELS
AB	DHW Outlet, in	1
EZ	P&T/Recirculation Return, in	¾
VS	Boiler Water Supply, in	1
RS	Boiler Water Return, in	1
EK/EL	Cold Water Feed/ DHW Drain, in	1½

Screw-on feet (packaged with the boiler) Part Number: 6-302-865-7



Boiler/DHW Tank Stackable Options

MODEL	LT160	LT200	LT300
G115WS/3	✓		✓
G115WS/4	✓	✓	✓
G115WS/5		✓	✓
G215/3	✓	✓	✓
G215/4	✓	✓	✓
G215/5		✓	✓
G215/6			✓

Order the following mounting hardware to secure Oil Boilers to LT Tanks

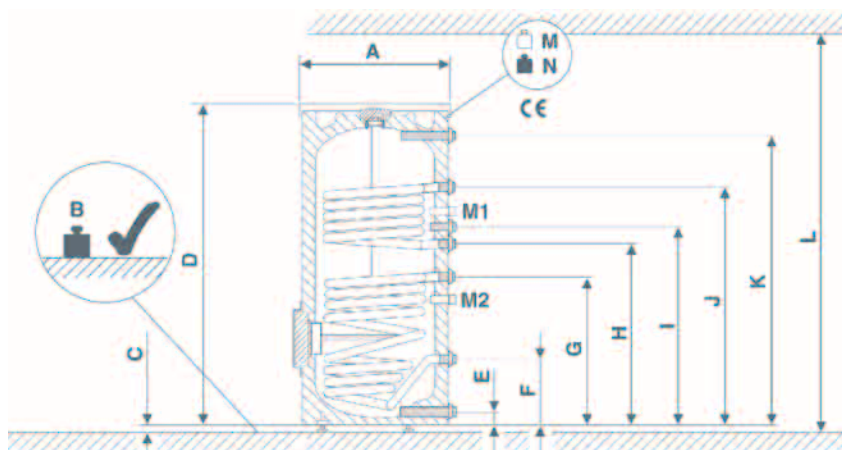
TANK MODELS	USABLE FOR	PART NO.	PRICE
LT160/200/300	G115WS/3 - G115WS/4	8-738-804-332	\$176
LT200/300	G115WS/5		
LT160	G215/3 - G215/4	5-261-230	\$64
LT200	G215/3 - G215/5	5-261-232	\$70
LT300	G215/3 - G215/6	5-261-234	\$156

LT tanks do not include feet; boiler feet used for mounting otherwise, spare part #63028657

## SM80/100 Tank Dimensions

ITEM	UNIT	SM80	SM100
A	inch (mm)	26 <sup>3</sup> / <sub>8</sub> (670)	26 <sup>3</sup> / <sub>8</sub> (670)
B	lb (kg)	899 (408)	1135 (515)
C	inch (mm)	<sup>3</sup> / <sub>8</sub> - <sup>3</sup> / <sub>4</sub> (10-20)	<sup>3</sup> / <sub>8</sub> - <sup>3</sup> / <sub>4</sub> (10-20)
D	inch (mm)	58 <sup>7</sup> / <sub>8</sub> (1495)	72 <sup>1</sup> / <sub>4</sub> (1835)
E	inch (mm)	3 <sup>1</sup> / <sub>8</sub> (80)	3 <sup>1</sup> / <sub>8</sub> (80)
F	inch (mm)	12 <sup>1</sup> / <sub>2</sub> (318)	12 <sup>1</sup> / <sub>2</sub> (318)
G	inch (mm)	28 <sup>1</sup> / <sub>2</sub> (722)	35 <sup>3</sup> / <sub>8</sub> (898)
H	inch (mm)	32 (813)	40 <sup>5</sup> / <sub>8</sub> (1033)
I	inch (mm)	35 <sup>1</sup> / <sub>2</sub> (903)	45 (1143)
J	inch (mm)	44 (1118)	54 <sup>1</sup> / <sub>2</sub> (1383)
K	inch (mm)	53 <sup>3</sup> / <sub>8</sub> (1355)	66 <sup>3</sup> / <sub>4</sub> (1695)
L	inch (mm)	72 <sup>7</sup> / <sub>8</sub> (1850)	82 <sup>3</sup> / <sub>4</sub> (2100)
M	lb (kg)	260 (118)	298 (135)
N	lb (kg)	900 (408)	1135 (515)

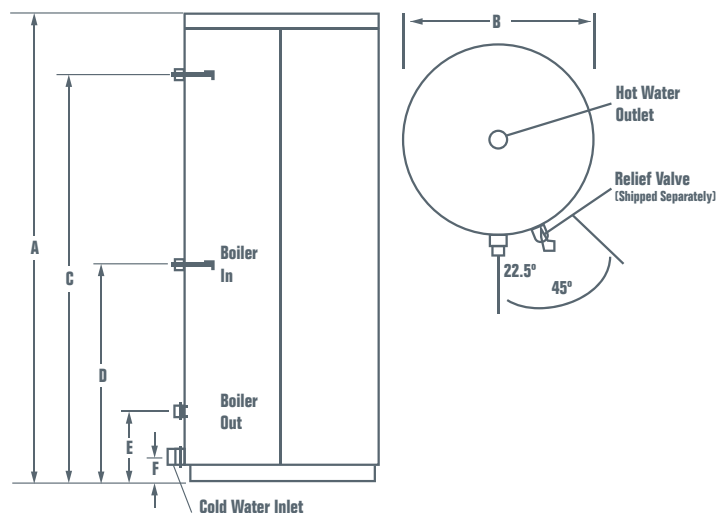
ALL MODELS: Adjustable feet may be exposed by laying tank on its side—consult manual for details.



## SST Tank Dimensions

ITEM	DESCRIPTION	SST150	SST250	SST300	SST450
A	Height, in	56	60	70	69
B	Width, in	20	24	24	28
C	Relief Valve: <sup>3</sup> / <sub>4</sub> " NPT, in	46 <sup>1</sup> / <sub>2</sub>	52 <sup>1</sup> / <sub>4</sub>	61 <sup>1</sup> / <sub>4</sub>	60 <sup>1</sup> / <sub>4</sub>
D	Boiler In: 1" MPT, in	48 <sup>1</sup> / <sub>2</sub>	52 <sup>1</sup> / <sub>4</sub>	61 <sup>1</sup> / <sub>4</sub>	60 <sup>1</sup> / <sub>4</sub>
E	Boiler Out: 1" MPT, in	25	28	28	31 <sup>1</sup> / <sub>4</sub>
F	Cold Water Inlet, °F, in	8 <sup>1</sup> / <sub>4</sub>	9 <sup>1</sup> / <sub>4</sub>	9 <sup>1</sup> / <sub>4</sub>	9 <sup>1</sup> / <sub>4</sub>

ALL MODELS: Adjustable feet may be exposed by laying tank on its side—consult manual for details.












# Maximum Comfort For Less, From Anywhere!

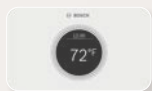
## Bosch Connected Control (BCC50 Thermostat)

The Bosch Connected Control BCC50 Thermostat is compatible with the majority of 24VAC heating and cooling equipment to help you save energy and money. Easily control your home's temperature from the intuitive interface using the 5 back-lit touch buttons, the Bosch Connected Control smartphone app or your voice with the Bosch Connected Control Alexa Smart Home Skill and your Alexa-enabled smart devices or with google assistant.

### Features

- 
**Connectivity**  
 Connect to your HVAC equipment from anywhere
- 
**Auto-on Safety Control**  
 Keep your home safe using app alerts & auto-on feature
- 
**Sleek Design with Touch Buttons**  
 Sleek design that will look great in your home, with 5 bright illuminated touch buttons & color screen
- 
**HVAC Filter Reminder**  
 Get alerts when its time to replace your system's air filter
- 
**Programmable**  
 Follows preset or user-defined schedules
- 
**Compatibility**  
 Compatible with majority of HVAC systems (requires C-wire)
- 
**Enabled Smart Devices Compatible**  
 Works with Google Assistant or Alexa





The Bosch Connected Control BCC50 Thermostat blends into any room by automatically turning off the backlit touch buttons when not in use and displaying only the essential temperature information on the screen.



## Product Specifications

- ▶ 2.8" Non-Touch LCD Screen (240 x 320)
- ▶ 5 back-lit touch buttons
- ▶ Supports 2 Transformer Systems (R/RC and RH)
- ▶ C-Wire Required for Installation
- ▶ 6 Relay Terminals: G, Y, Y2, W/E/AUX, O/B/W2, H/DH
- ▶ Wi-Fi 802.11 b/g/n @ 2.4GHz
- ▶ 3 year limited warranty\*

## Product Compatibility

- ▶ Conventional (Gas, Oil, Electric): Up to 2 Heat / 2 Cool
- ▶ Heat Pump: Up to 3 Heat / 2 Cool
- ▶ 1 Accessory: Humidifier or Dehumidifier
- ▶ Unit Modes: Heat, Cool, Auto, Em Heat (Heat Pump & Dual Fuel only), Off
- ▶ Fan Modes: Auto, On, Circulate

## In The Box

- ▶ BCC50 Thermostat
- ▶ BCC50 Wall Plate
- ▶ Installation Guide
- ▶ User Manual
- ▶ Screws & Wall Anchors

THERMOSTAT MODEL	PART NUMBER	LIST PRICE
Bosch Connected Control BCC50 Thermostat	8-733-952-994	\$308 <sup>(A)</sup>

SPARE PARTS	PART NUMBER	LIST PRICE
Wall Plate, Screws & Wall Anchors	8-733-952-995	\$32 <sup>(A)</sup>

(A) Apply Bosch AC Multiplier

## Bosch Connected Control App

The app allows you to remotely control all of your thermostat's settings. It also allows you to adjust your schedule on-the-go or set it to vacation mode to save energy while you're away.

You can also connect an unlimited number of thermostats and manage up to 4 schedules per thermostat.

This is a perfect solution to help you achieve maximum comfort with minimum effort!





# Achieve Maximum Comfort From Anywhere!



## Bosch Connected Control (BCC100 Thermostat)

The Bosch Connected Control BCC100 Thermostat is compatible with a majority of 24VAC heating and cooling equipment to help you save energy and money. Easily control your home's temperature from the full color 5" touchscreen display, the Bosch Connected Control app or your voice with the Bosch Connected Control Alexa Smart Home Skill and your Alexa-enabled smart devices. Connect to Wi-Fi to view local weather data and to determine your optimal in-home temperature throughout the day.

### Features



#### Connectivity

Connect to your HVAC equipment from anywhere



#### Weather

Access your local forecast from your thermostat



#### 5" Full-Color Touch Screen

Large screen for ease-of-use and offline access



#### Programmable

Follows preset or user-defined schedule



#### Compatibility

Compatible with majority of HVAC systems  
(requires C-wire)



#### Enabled Smart Devices Compatible

Works with Google Assistant or Alexa





## Product Specifications

- ▶ 5 inch Touch Screen 854 x 480 Pixels
- ▶ Supports 2 Transformer Systems (R/RC and RH)
- ▶ C-Wire Required for Installation
- ▶ 7 Relay Terminals: G, Y, Y2, W/E, W2/AUX, O/B, H/DH
- ▶ 1 Data Terminal: receives fault messages from Bosch Water Source Heat Pumps
- ▶ Wi-Fi 802.11 b/g/n @ 2.4GHz
- ▶ 5 year limited warranty\*

## Product Compatibility

- ▶ Conventional (Gas, Oil, Electric): Up to 2 Heat / 2 Cool
- ▶ Heat Pump: Up to 4 Heat / 2 Cool
- ▶ 1 Accessory: Humidifier or Dehumidifier
- ▶ Unit Modes: Heat, Cool, Auto, Em Heat (Heat Pump & Dual Fuel only), Off
- ▶ Fan Modes: Auto, On, Circulate

## In The Box

- |                     |                         |
|---------------------|-------------------------|
| ▶ BCC100 Thermostat | ▶ Wire Labels           |
| ▶ BCC100 Wall Plate | ▶ Screwdriver           |
| ▶ User Guide        | ▶ Screws & Wall Anchors |
| ▶ Video Card        | ▶ Jumper Cable          |

## Certifications

- ▶ FCC: 2AGDABCC-100 (US)
- ▶ IC: 2AGDABCC-100 (CA)

THERMOSTAT MODEL	PART NUMBER	LIST PRICE
Bosch Connected Control BCC100 Thermostat	8-733-948-009	\$410 <sup>(A)</sup>

SPARE PARTS	PART NUMBER	LIST PRICE
Wall Plate, Screwdriver, Screws & Wall Anchors, Jumper Cable	8-733-948-984	\$20 <sup>(A)</sup>

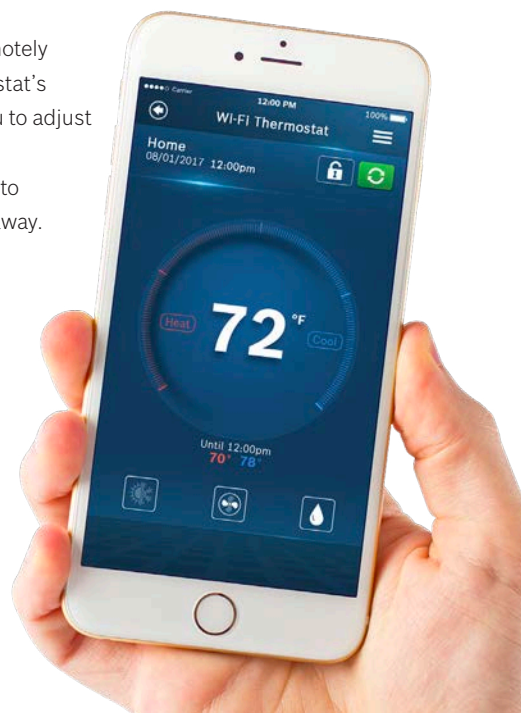
(A) Apply Bosch AC Multiplier

## Bosch Connected Control App



The app allows you to remotely control all of your thermostat's settings. It also allows you to adjust your schedule on-the-go or set it to vacation mode to save energy while you're away. You can also connect an unlimited number of thermostats and manage up to 4 schedules per thermostat.

This is a perfect solution to help you achieve maximum comfort with minimum effort!





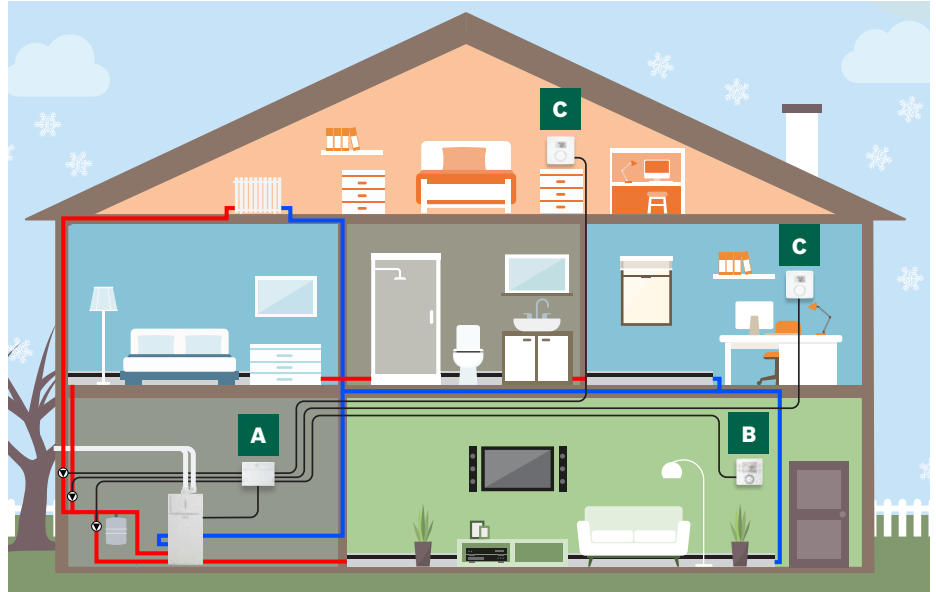
# NSC Controls for Greenstar and GB Models

When paired with Bosch condensing boilers, Bosch controls will provide additional performance to your home's hydronic heating system. Bosch's New System Controls (NSC) provide the ability to precisely manage your home heating system through the Energy Management System (EMS) Bus interface. Opposed to other home control systems which simply turn the boiler on and off based on a room set point, the Bosch NSC work to deliver a steady comfort level using the built in logic and communicating with each other and the boiler to deliver an output based on the conditions, delivering consistent, efficient heating. Complete your Bosch boiler system installation with Bosch's New System Controls. You will fine tune your comfort levels, increase your boiler longevity, and experience a new level of comfort.

## Ease of Installation & Set-Up

The New System Controls (NSC) consists of the Comfort Zone Manager (CZM) and any combination of the two Comfort Room Controller (CRC), providing installers with a simple, boiler integrated, innovative plug and play residential control platform.

The NSC are designed to communicate with the Greenstar boiler line using the Bosch developed EMS BUS, instead of the standard on/ off signal from traditional thermostats. Wiring and setup are similar to other control systems in the market. All communication wiring between the controls use a standard AWG18 wire



### **CZM100 Zone Manager**

**Part# 7738110112**

- ▶ One unit can control 3 zones with either circulators or zone valves
- ▶ System can be expanded by adding multiple CZM to control up to eight zones
- ▶ Reduces energy usage by adjusting boiler water temperature and firing rate due to feedback from CRC controllers
- ▶ Operates the system at the most efficient output in order to reduce room temperature swings, resulting in more consistent room temperatures and optimized fuel savings
- ▶ Warm weather shutdown, using an optional outdoor sensor



### **CRC200 Room Controller**

**Part# 7738111034**

- ▶ Used as the main controller & included with some boiler models; Allows for full boiler control
- ▶ Programmable time schedule, back lighting as well as push buttons for Menu, Auto-Run, Hold-Run and Back
- ▶ Will allow the boiler to operate on an outdoor reset or indoor reset control curve function
- ▶ Integrated temperature sensor that can be used as a boiler control or in conjunction with the CZM100 as a room controller
- ▶ Operate an indirect water heater in parallel with the clock program or continuously



### **CRC100 Room Controller**

**Part# 7738110090**

- ▶ Simple, easy to operate thermostat with integrated temperature sensor
- ▶ Added efficiency by communicating with the boiler through the Bosch EMS BUS. It provides information to increase comfort and decrease energy consumption
- ▶ Pre-programmed with default settings for the most common applications

# Greenstar and Buderus GB Controls

**ICM Cascade Module** for Greenstar Boilers designed to control cascade system – where several smaller boilers are connected in parallel to achieve a higher output. Part # 7719003528

**EM10** is a modulating single boiler (0-10v) interface that receives a quantified heat demand from an external source, like a building monitoring system and modulates the boiler for target temperature or output. Part # 18358

**MCM10 Multi Cascade Module** used to control cascade systems. A cascade system is a heating system consisting of several boilers, which are connected in parallel in order to increase capacity. Key features; controls up to 4 boilers each, expandable with up to 4 identical modules for up to 16 boilers. Part # 7746900845



MCM10 Multi Cascade Module



ICM Cascade Module

## Logamatic 2107

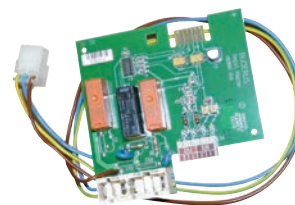
The Logamatic 2107 with outdoor reset capability reduces fuel usage by as much as 30%. By monitoring outdoor as well as indoor temperature (requires BFU), the R2107 maximizes fuel efficiency while delivering unmatched comfort. Space heating, domestic hot water production and programmable setback are all integrated into a single, intelligent source. “Plug-in modules” allow you to customize the R2107 to fit your application. Optional modules available are the FM241 mixing valve control for radiant floors and the FM242 burner staging control for use with dual boiler systems or to operate a 2-stage or modulating commercial burner. The FM244 solar card allows integration of solar thermal domestic hot water system. Part# 8718573874



Logamatic 2107

### 2107 Optional Upgrades

- ▶ **Room Sensor:** Use a Buderus BFU room sensor for indoor feedback on the main zone for optimum temperature control and maximum room comfort. This control features simple day temperature settings with manual day/night override buttons, LED display for system status, summer mode indicator light, and a “Boost” function for faster response during early morning operation. Part # 5720724
- ▶ **The FM241 Module** provides mixed temperature for low temperature application such as radiant floor systems. An optional BFU room sensor is available for optimum control. The FM241 also enables you to program a separate setback schedule for the low temperature zone. Part # 5016598
- ▶ **The FM242 Module** is suitable for residential and commercial applications, giving firing control for dual boiler applications, modulating or two-stage burners. It allows burner staging on demand with dynamic burner differential, and features built-in burner hour run meter. Part # 8718585040



FM241 Mixing Valve Module



FM242 2-Stage Modulating Firing Module



Room Sensor

# Heatronic 4000

## A Flexible Control Solution for Light Commercial and Large Scale Residential Applications.

The Heatronic 4000 is a cost effective control that works with up to four condensing and non-condensing boilers that are either modulating, single stage or two stage. Designed to accurately maintain target water temperature based on outdoor temperature reset or a fixed setpoint for space or process heating applications. Optional features to increase efficiency and boiler plant reliability include domestic hot water and setpoint heating, boiler run-time balancing, standby primary pump operation, and pump exercising. Remote monitoring and adjustments for the Heatronic 4000 are possible with Building Automation Systems - BACnet® or Modbus®. Bosch and Buderus boiler parameters are pre-programmed in the Heatronic 4000 for ease of set up. Installing the Heatronic 4000 will save energy and further reduce the overall energy bill. Part # 7738003450



### Features

- ▶ Control and monitor up to 4 boilers in any combination of condensing and conventional models
- ▶ BacNet® and Modbus® compatible
- ▶ Programmable scheduling DHW priority and Outdoor temperature reset
- ▶ Compatible with modulating, single stage, two stage and dual fuel burners, for NG, LP and oil fuel types
- ▶ Pre-configured with over 20 parameters for all Bosch / Buderus commercial boilers

### Small size, big functionality

Designed to prolong the lifespan of the equipment the Heatronic 4000 provides system reliability and redundancy for added comfort and protection. Maximizing energy savings and system reliability is achieved using sequencing based on target temperatures - either outdoor reset or fixed set point, automatically maintaining the boiler differential, primary pump sequencing, domestic hot water priority, set point operation and combustion air damper control all work together for optimal energy savings and system reliability.

The Heatronic 4000 communicates with a Building Management System (BMS) using BACnet® or Modbus® for remote monitoring & adjustment capability.



BOSCH / BUDERUS COMMERCIAL HEATRONIC CONTROL OPTIONS				
	BUDERUS CONTROL CAPABILITY	NEW HEATRONIC 4000	LOGAMATIC 4321	LOGAMATIC 4323
COMMUNICATION	BacNet® Communication	✓	-	-
	Modbus® Communication	✓	-	-
	LON Communication	-	LON Gateway Module Required	LON Gateway Module Required
FUNCTION	Outdoor Reset	✓	✓	✓
	DHW Production / Recirculation	✓	FM 441 Module Required	FM 441 Module Required
	DHW Priority	✓	FM 441 Module Required	FM 441 Module Required
	Solar DHW	-	FM 443 Module Required	FM 443 Module Required
	Boiler Rotation	✓	FM 458 Module Required	FM 458 Module Required
	Setback & Scheduling	✓	✓	✓
	1 Boiler Max Control Capacity	✓	✓	-
	4 Boiler Max Control Capacity	✓	(1) FM 458 Module Required	(1) FM 458 Module Required
	8 Boiler Max Control Capacity	-	(2) FM 458 Module Required	(2) FM 458 Module Required
	2 Mix Temperature Actuator Control	-	FM 442 Module Required	FM 442 Module Required
	Terminals for Sequential Primary Pumps	✓	-	-
	Terminals for 4 Boiler Pump Operation	✓	-	-
	Alarm Output	✓	FM 458 Module Required	FM 458 Module Required
	Terminals for Combustion Air Proof	✓	-	-
	Terminals for Flow Sensor	✓	-	-
	Terminals for Pressure Sensor	✓	-	-
	Terminal for Common Flue Sensor	✓	-	-
	Built in Manual Safety High Limit	-	✓	-
	Built in Aquastat	-	✓	-
BURNERS	EMS Communication	EM10 Module Required	✓	✓
	Single Stage, Two Stage Burners	✓	✓	-
	Modulating Burners 0-10v & 4-20v	✓	FM 458 Module Required	✓
	Natural Gas Burner	✓	✓	✓
	Propane Gas Burner	✓	✓	✓
	Type 2 Heating Oil Burner	✓	✓	-
	Ultra Low Sulfur Diesel Burner	✓	✓	-
	Dual Fuel Burners	✓	✓	-
FEATURES	Boiler Protection Algorithm	✓	✓	✓
	In Series Piping	✓	✓	✓
	Parallel Piping	✓	✓	✓
	Bosch/Buderus Boiler Menu Selector	✓	-	-
	Bosch/Buderus programmed parameters	✓	-	-
	System Diagnosis	✓	✓	✓
	LCD Digital Display	✓	MEC2 Module Required	✓
	LCD Touchscreen	✓	-	-



### Greenstar Gas Condensing, Residential Boiler

DESCRIPTION	PART NO.	PRICE	GREENSTAR
ICM Cascade Module for Greenstar Boilers	7-719-003-528	\$638	✓
Programmable Comfort Room Controller 200 (CRC200)	7-738-111-034	\$153	✓

### GB162

DESCRIPTION	PART NO.	PRICE	GB142	GB162
MCM10 Cascade Module	7-746-900-845	\$1029	✓	✓
EM10 Modulating Control with 0-10v Input Signal	1-835-8	\$314	✓	✓
Manual Reset Aquastat (200 Max Setpoint)	7-738-001-463	\$188	✓	✓
Comfort Zone Manager 100 for up to 3 zones (CZM100)	7-738-110-112	\$425	✓	✓
Basic Comfort Room Controller 100 (CRC100)	7-738-110-090	\$86	✓	✓
Programmable Comfort Room Controller 200 (CRC200)	7-738-111-034	\$153	✓	✓

### Residential Oil – G115WS / G215

DESCRIPTION	PART NO.	PRICE	G115WS	G215
2107 Logamatic Control Includes DHW Package	8-718-573-874	\$1147	✓	✓
2107 BFU Room Sensor	5-720-724	\$165	✓	✓
FM 241 Mixing Valve Module for 2107	5-016-598	\$383	✓	✓
FM 242 2-Stage or Modulating Firing Module for 2107	8-718-585-040	\$159	✓	✓
Hydrostat Jacket/Wall Mounting Kit	7-738-003-609	\$56	✓	✓
Hydrostat Outdoor Sensor Kit	7-738-003-610	\$60	✓	✓
Hydrolevel control (includes sensor & well)	7-738-003-606	\$249	✓	

# High Output Boilers

DESCRIPTION	PART NO.	PRICE	SB625WS	SB745WS	GB162 CASCADES
MCM10 Cascade Module	7-746-900-845	<b>\$1,029</b>			✓
EM10 Modulating Control with 0-10v Input Signal	1-835-8	<b>\$314</b>			✓
Manual Reset Aquastat (200 Max Setpoint)	7-738-001-463	<b>\$188</b>	✓	✓	
Hydroleve! 550 Low Water Cut-off with Manual Reset	5-50	<b>\$295</b>	✓	✓	✓
Heatronic 4000 Control Includes (1) Outdoor Sensor, (5) Universal Sensors	7-738-003-450	<b>\$4,119</b>	✓	✓	
Bosch Universal Sensor (12")	7-738-003-451	<b>\$27</b>	✓	✓	
Operating High Limit Aquastat with Well	H-L40-06A-105-8	<b>\$151</b>	✓	✓	

# Bosch eAcademy

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# BST<sup>2.0</sup>

**Bosch Select Tools 2.0  
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- ▶ Product Selection
- ▶ Extended Product Ratings
- ▶ Submittal
- ▶ Quotations
- ▶ Ordering



**Want Access to BST 2.0?**

Click or scan QR code to request  
access from our Inside Sales Team



# Warranties\*

## Residential Heating

### Greenstar Condensing Boilers

- ▶ Limited lifetime warranty on heat exchanger
- ▶ 1 year parts – register online & receive 5 years parts and labor limited warranty

### Singular Boilers

- ▶ 10 year limited warranty on heat exchanger
- ▶ 5 years parts, 1 year labor limited warranty

### GC144/234X & G115WS/215 Boilers

- ▶ Limited lifetime warranty on heat exchanger, 1 year on parts
- ▶ BGH96 Furnace
- ▶ 5 years parts limited warranty, 20 year heat exchanger limited warranty

### Panel Radiators

- ▶ 5 years limited warranty

## Water Heating

### Greentherm

- ▶ Up to 15-year limited warranty on heat exchanger (application dependent)
- ▶ 5 year limited warranty on other components, 1 year labor warranty

### Bosch Tronic 3000/6000

- ▶ 5 year limited warranty on heating modules, 2 year limited warranty on other components

### Bosch Tronic 3000T

- ▶ 6 year limited warranty on inner tank, 2 year limited warranty on other components

### Enameled Indirect Fired Water Heaters

- ▶ Residential 6 year limited warranty
- ▶ Commercial<sup>(1)</sup> 2 year limited warranty—Limited warranty for defects in material and workmanship

### Stainless Steel Indirect Fired Water Heaters

- ▶ Limited lifetime warranty. Prorated after 10 years

## Commercial Heating

### Buderus SSB

10 years limited warranty on heat exchanger, 2 years on all other parts

### GB162 Series Cast Aluminum Boilers

- ▶ Commercial Applications<sup>(1)</sup>: 5 years limited warranty on heat exchanger, 1 year limited warranty parts
- ▶ Residential Applications: Limited lifetime on heat exchanger (prorated from 11th year and beyond), 5 years limited warranty on parts and labor

### SB625-SB745 Series Stainless Steel Boilers

- ▶ 10 years limited warranty on heat exchanger, 1 year limited warranty on parts

## Controls

### Logamatic Controls

- ▶ 2 Years limited warranty from date of install for defects in material and workmanship

### Thermostats

- ▶ BCC100 is 5 year limited warranty
- ▶ BCC50 is 3 year limited warranty
- ▶ All other thermostats; 1 year limited warranty

**These warranties are subject to the equipment being installed by a licensed contractor whose principal occupation is the sale and installation of plumbing, heating and cooling equipment. Warranty is limited to original purchaser/original installation site.**

(1) Commercial applications are defined as anything other than a one- or two-family dwelling

## These Warranties Do Not Cover\*

- ▶ Components that are part of the heating and cooling system but were not purchased from Bosch.
- ▶ The workmanship of any installer. This warranty does not assume any liability for unsatisfactory performance caused by installation, maintenance or service.
- ▶ Any cost for labor, unless otherwise stated in the warranty terms, for removal of the alleged defective part, transportation to BTC if necessary, and any other materials necessary to perform the change.
- ▶ Improper adjustments, control settings, care or maintenance.
- ▶ Connection of the Bosch unit to any under-floor radiant heating system that allows oxygen penetration of the system.
- ▶ Complete details on these warranties are available at **[www.boschheatingandcooling.com](http://www.boschheatingandcooling.com)**

## Submitting a Warranty Claim

Warranty claims are handled online at [www.BoschProHVAC.com](http://www.BoschProHVAC.com). Claims must be submitted through/by the Wholesaler, Bid Spec Reps, or Bosch Manufacturing Representatives by logging into their account.

To submit a warranty or return claim, log onto your account and click the “Warranty” drop down menu and select “Bosch Claims and Returns”.

On the following page, choose either “Warranty Claims,” “Product Returns,” “Damaged Products,” or “Lost Shipments” to automatically display the appropriate form.

Claim forms may require detailed information about the product, including serial number, model, and a description of the problem or reason for return. Users can also to attach images to the forms in order to provide additional details about the issue(s).

To view the status of submitted claims, on the [www.BoschProHVAC.com](http://www.BoschProHVAC.com) homepage, click the “Warranty” drop down and select “Bosch Claims Management.” This will open a dashboard that displays the status of any claim that’s been submitted. Each claim type has it’s own dashboard. You can use your dashboards to easily sort and search by claim number or relevant keywords, or to view a claim by clicking the blue “View” button to see further details about individual claims. All changes to a claim’s status are sent to wholesalers via email.

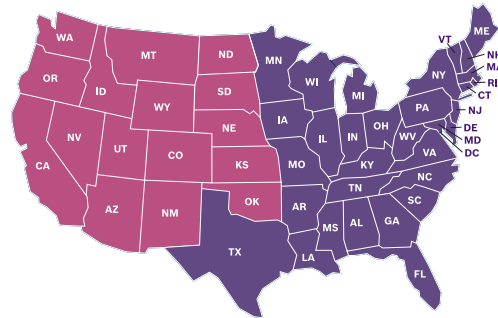
\*For complete warranty details please go to [boschheatingandcooling.com](http://boschheatingandcooling.com)



# U.S. Shipping Terms LTL and Volume Shipments

All shipments of Bosch are CPT (Carriage Paid To). Freight charges will be determined for each purchase order to a single ship destination on the chart below. Purchase Orders may not be combined and each Purchase Order must ship to a single shipping destination. Bosch reserves the right to choose the carrier. Bosch reserves the right to change the freight charge without further notice. Freight will be prepaid by Bosch and added to the invoice. All prices below are for regular truck/package deliveries. For special requirements please contact Bosch Thermotechnology for pricing and terms of carriage.

- ▶ For shipments to the job site by truck add \$300.00 to freight charges (requires loading dock & fork truck on site).
- ▶ Shipments to Hawaii and Alaska - Bosch will ship the product to the first U.S. mainland, domestic destination. Ocean freight, forwarding, and any additional packaging (if required) beyond our standard packaging is by others.
- ▶ For multi-release projects, please determine the net value of each release / phase and manually total up the shipping cost for each release based on the freight tables below.
- ▶ Orders entered with partial shipments approved but with no specificity as to which units ship when will be charged freight based on the total project PO amount.
- ▶ RT series unit pricing includes freight within the continental USA. TRS series unit shipping costs are calculated per table below.
- ▶ For power tail gate shipments add \$100.00 to freight charges.
- ▶ For flatbed trailer shipments, contact Customer Service for pricing and carriage terms per application. Bosch accepts no responsibility for any shipping damage nor for any damage to the product due to product shipping in this method.
- ▶ All re-consignment requests will be charged an additional \$150.
- ▶ Standard shipping time frame for stock orders of Bosch inventoried items is within 1 week after acknowledgement of order. Shipping time frame for all special order and non-Bosch inventoried items are subject to supplier lead times.
- ▶ Contact Customer Service for HOT RUSH shipments of any Bosch inventoried items. Refer to table below for expedited freight charges.
- ▶ Evaporators, compressors must always ship LTL to avoid freight damage and are subject to LTL freight costs.
- ▶ Belt-drive blower assemblies for the HE, SL, GT, EM, and EC072-360 will always ship LTL due to size and are subject to LTL freight costs.



ORDER NET (USD)	ZONE 2				ZONE 1			
	Standard*	3rd Day*	2nd Day*	Next Day*	Standard*	3rd Day*	2nd Day*	Next Day*
\$0-\$3,000	\$341	\$450	\$1,017	\$1,177	\$218	\$428	\$803	\$963
\$3,001-\$6,000	\$414	\$579	\$1,177	\$1,338	\$307	\$551	\$936	\$1,231
\$6,001-\$10,000	\$523	\$731	\$1,198	\$1,605	\$415	\$696	\$1,124	\$1,391
\$10,001-\$20,000	\$667	\$984	\$1,391	\$2,044	\$572	\$936	\$1,284	\$1,873
\$20,001-\$25,000	\$736	\$1,177	\$1,471	-	\$608	-	-	-
\$25,001-\$35,000	\$778	-	-	-	\$650	-	-	-
\$35,001-\$40,000	\$811	-	-	-	FFA	-	-	-
\$40,001-\$45,000	\$1,177	-	-	-	FFA	-	-	-
\$45,001 +	FFA	-	-	-	FFA	-	-	-

# Quick Overview of USA Standard Terms and Conditions of Sale

A quick overview of Bosch Thermotechnology Corp ("Bosch") Standard Terms & Conditions of Sale ("Terms of Sale") can be found below. Please refer to our website: [www.boschthermotechnology.com](http://www.boschthermotechnology.com) for a complete version of the Standard Terms & Conditions of Sale.

## 1. GENERAL

1.1 Your purchase order(s), when accepted by Bosch, will be subject to the Terms of Sale. The Terms of Sale constitute the entire agreement between you ("Customer") and Bosch with respect to the transaction(s) covered by your purchase order(s) as confirmed by Bosch.

1.2 Any additional or different terms or conditions set forth by Customer, whether in a purchase order or another communication, are expressly objected to and rejected and will not be binding on Bosch, unless expressly agreed to in writing by an authorized representative of Bosch. Customer's issuance of a purchase order or acceptance of the product(s) when delivered and/or services when provided will be deemed conclusive evidence of, and constitutes Customer's acceptance of and assent to Bosch's Order Confirmation (as defined below, and the Terms of Sale. Customer's acceptance of any offer (or counter-offer) by Bosch is limited to the Terms of Sale. Bosch may reject a purchase order in whole or in part for any lawful reason in its sole discretion. A purchase order will be deemed accepted by Bosch upon Bosch issuing a written order confirmation ("Order Confirmation")

## 2. PRICES AND TAXES

2.1 All prices are based upon Bosch's pricing in effect on the date of the quotation, unless otherwise indicated on the Order Confirmation. Bosch reserves the right to adjust the prices due to increases in material, labor, manufacturing or shipping costs if the increases occur before the delivery date. If the amount of the cost increases exceeds ten (10) percent, Bosch has the right to cancel the Terms of Sale, the purchase order(s), and/or any Order Confirmation on four (4) weeks notice in writing, and the delivery will not be made unless a new price agreement is reached.

2.2 Bosch's pricing excludes all sales, use, excise, value-added, and other similar taxes, charges and duties (including import and export duties). Customer will be solely responsible for all taxes imposed on Customer based upon applicable governing law or regulation. Bosch agrees that no tax for which a valid exemption exists, based upon applicable governing laws, will be included in the pricing, nor subsequently charged.

## 3. DELIVERY

All delivery dates are estimates only. Bosch's only obligation with respect to delivery dates is to make reasonable efforts meet such delivery dates. Unless otherwise agreed upon between the parties in writing or specified in the Order Confirmation: (a) for Customer pick up from a Bosch named location, all shipping will be CPT (Incoterms 2010) at the Bosch-named location; and (b) for Bosch delivery to a Customer named location, all shipping will be CPT Bosch warehouse dock or Customer's designated consignee. Partial deliveries are permitted.

## 5. WARRANTY POLICY

4.1 With respect to each product sold by Bosch to Customer hereunder (including software), Bosch warrants, that, commencing from acceptance and for one year (the "Product Warranty Period"): (a) the product shall be free from material defects in material and workmanship. This warranty will apply unless Bosch provides a different warranty for the specific product. For any product (including software) breach of warranty claim brought within the Product Warranty Period, Customer shall promptly notify Bosch in writing.

4.2 Customer's sole and exclusive remedy and the entire liability of Bosch and its third party providers for breach of warranty within the Product Warranty Period under this Section will be, at Bosch's option and expense: (a) repair or replacement of the product; or (b) a refund equal to the purchase price (less a reasonable depreciation for use, damages and obsolescence) in lieu of any obligation to repair or replace products under this proviso.

4.3 Customer expressly acknowledges that Bosch is not responsible or liable for: (a) products, software, services, components or systems that Bosch has not supplied; (b) products, software, services, components originating from third parties that are supplied by Bosch under or at the direction of Customer; (c) any end product or software in which the Products or Software are installed or incorporated as a component or subpart; or (d) conditions, changes, alterations, additions or applications to or for Products, Software or Services, unless made or specifically authorized in writing by Bosch. Bosch shall have no liability, obligation or responsibility for components and systems over which Bosch has no control.

## 5. LIMITATIONS ON WARRANTY

5.1 EXCEPT AS EXPRESSLY PROVIDED IN THE TERMS OF SALE, BOSCH MAKES NO OTHER WARRANTY OR REPRESENTATION TO CUSTOMER, EITHER EXPRESS OR IMPLIED, AND TO THE FULLEST EXTENT PERMITTED BY LAW, BOSCH SPECIFICALLY AND EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, ANY OTHER WARRANTIES ARISING FROM OR OUT OF ANY COURSE OF DEALING, USAGE OF TRADE, SPECIFICATION, PROPOSAL, PERFORMANCE OR CUSTOM, AND ANY STATUTORY WARRANTY ON HIDDEN OR LATENT DEFECTS.

5.2 EXCEPT AS OTHERWISE REQUIRED BY APPLICABLE LAW, THE PRODUCT WARRANTY SET FORTH IN THE TERMS OF SALE PROVIDE CUSTOMER'S SOLE AND EXCLUSIVE REMEDIES FOR ALL CLAIMS, DAMAGES, LOSS OR INJURIES (WHETHER DIRECT, INDIRECT, EXEMPLARY, SPECIAL, PUNITIVE, CONSEQUENTIAL OR INCIDENTAL) BASED ON OR ARISING FROM ANY DEFECT, FAILURE, MALFUNCTION, BREACH OF WARRANTY OR ANY OTHER PERFORMANCE, NONCONFORMANCE OR NONPERFORMANCE OF ANY PRODUCT, SOFTWARE OR SERVICE, WHETHER THE CLAIM IS IN CONTRACT, EQUITY, INDEMNITY, INFRINGEMENT, WARRANTY, TORT (INCLUDING NEGLIGENCE, STRICT LIABILITY) OR OTHERWISE AND HOWEVER INSTITUTED.

# Sales, Service & Support

## We are here to help!

### Customer & Technical Support

Tel: 800-283-3787

Operating Hours: Mon-Thur, 8am-6pm, Fri, 8am-5pm EST

### Customer Service E-mail Address

residential.salessupport@us.bosch.com

commercial.salessupport@us.bosch.com

### Technical Support E-mail Addresses

AC: ac.techsupport@us.bosch.com

Furnace: furnace.techsupport@us.bosch.com

Boiler: boiler.techsupport@us.bosch.com

Tankless: tankless.techsupport@us.bosch.com

### Parts Orders or Parts Inquiries E-mail Address

parts.salessupport@us.bosch.com

### Warranty & Returns Support E-mail Address

warranty\_returns@us.bosch.com

## Before Everything, There's Bosch.

Simple. Reliable. Innovative.



### Addresses

65 Grove Street, Watertown, MA 02472

555 NW 65th Court, Fort Lauderdale, FL 33309

50 Wentworth Avenue, Londonderry, NH 03053

### Contractor Website

Bosch-ABCpartner.com

BoschProHVAC.com

### Social

youtube.com/boschheatingcooling

facebook.com/boschheatingcooling

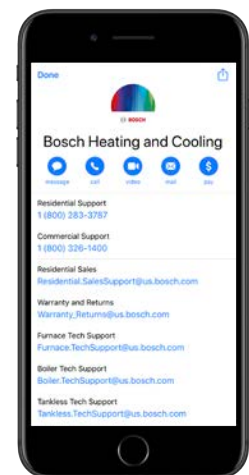
instagram.com/boschhvac

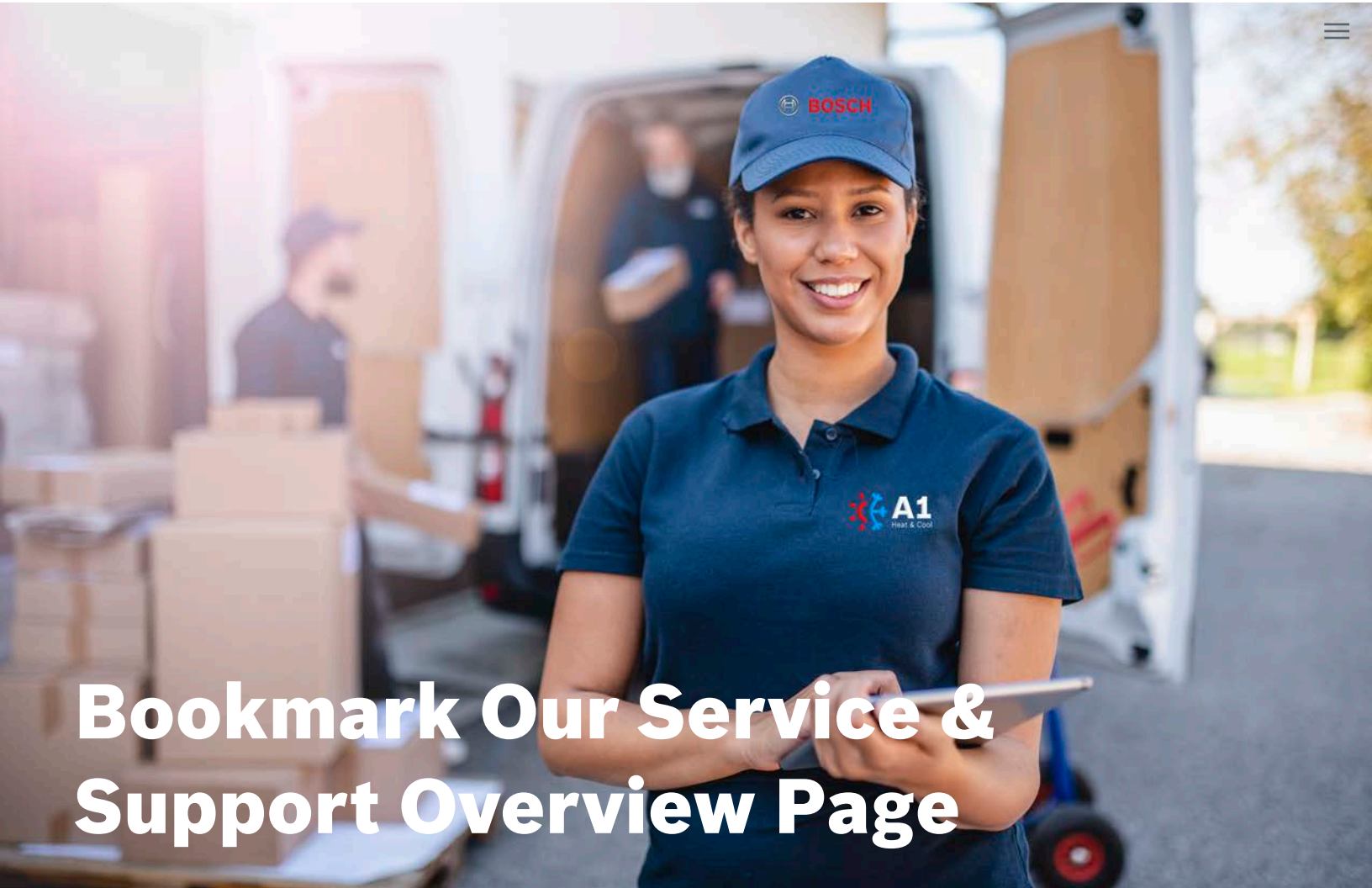
### Customer Support Contact Card

Whenever you need us, we are here for you! Scan the QR code with your mobile device and save our contact card to your contacts.



Scan QR  
With Mobile Device



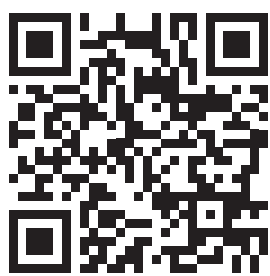


# Bookmark Our Service & Support Overview Page

In response to feedback from our valued customers and business partners, we have launched a new web page that provides a single location where you will be able to reach information and resources from across our comprehensive suite of websites and online platforms and tools.

Whether you need to be directed to product specs, manuals, part numbers and pricing, tech videos, FAQs, warranty info, and much more, we've got you covered!

Please visit the Service & Support Overview page and bookmark it on your devices



**[BoschHeatingCooling.com/Service](https://BoschHeatingCooling.com/Service)**





# Grow Your Business With Bosch

At Bosch Heating and Cooling, we are committed to supporting our Accredited Bosch Contractors by providing tools to manage and grow your business, allowing you to focus on what matters; providing your customers with comfort they can count on. By choosing Bosch, you represent one of the largest HVAC brands in the market with over 100 years of industry expertise. Join our team of elite dealers to gain access to exclusive sales and marketing tools, technical support, training and more at [Bosch-ABCpartner.com](https://Bosch-ABCpartner.com).

## Accredited Bosch Contractor Benefits

- ▶ Manage your company registrations
- ▶ Access to Bosch current promotions
- ▶ Access to the exclusive ABC Facebook group
- ▶ Access to technical documentation
- ▶ Access to Bosch product brochures
- ▶ Access to the priority support hotline
- ▶ Contact your sales rep (account manager)
- ▶ Points redemption
- ▶ Financing

“The Bosch Accredited Contractor program has truly made a difference in my mind from the customers point of view when we are going up against other companies that are selling the same Bosch or Buderus equipment!”

-Rich's Oil

\*Benefits are not valid for commercial products and installations.



# BOSCH

Accredited Contractor

[Bosch-ABCpartner.com](https://Bosch-ABCpartner.com)

## Apply Online

1. Go to [Bosch-ABCpartner.com](https://Bosch-ABCpartner.com)
2. Click on “Not a user?”
3. Fill out the form
4. You're going to receive an email with a temporary password
5. Update your password and finish your registration filling out the required information
6. Complete your short training qualification at [Training.BoschProhvac.us](https://Training.BoschProhvac.us), using the same email address as you did on [Bosch-ABCpartner.com](https://Bosch-ABCpartner.com)

## Questions?

Learn more at

[Bosch-ABCpartner.com](https://Bosch-ABCpartner.com)

# The Aftermarket Information You Need Is Here!

Find part numbers, price, availability, & warranty terms



## Spare Parts Finder



You can now search equipment by product series along with model number, material number, and serial number.

- Find part images, spare parts lists, exploded view documents, and current warranty documents.
- Add spare parts to your cart to create a parts quote.

## Warranty At-A-Glance



Search by serial number to find your part's standard warranty document.

## Price & Availability Tool



Search for your part and then click on the part number to see quantity on hand, location, and status.

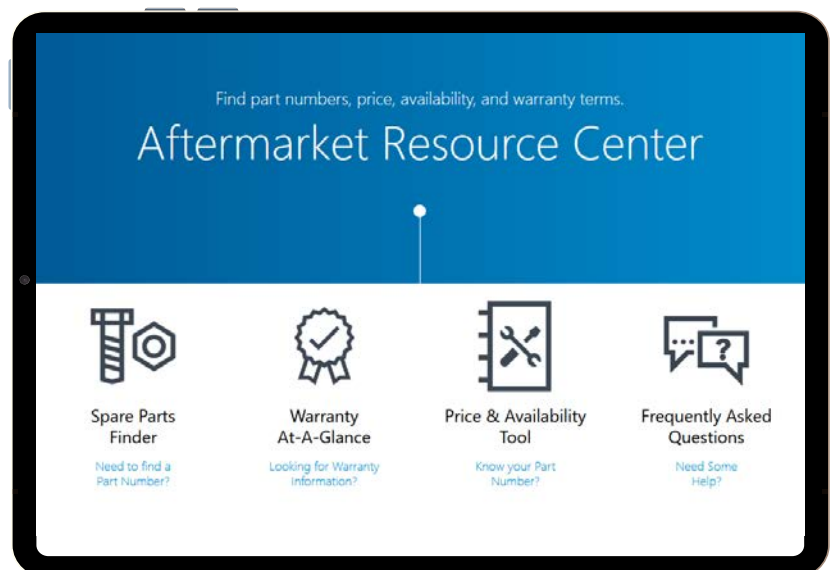
New & Easy-To-Use Functions

## Aftermarket Resource Center

[BoschHeatingCooling.com/ARC](https://BoschHeatingCooling.com/ARC)



Scan or Click QR to access tool



**Bosch Thermotechnology Corp.**

Watertown, MA | Londonderry, NH | Ft. Lauderdale, FL

General Inquiries: 1-866-642-3198

**[www.boschheatingandcooling.com](http://www.boschheatingandcooling.com)**

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