

Home Comfort Group



**BOSCH**

# 2024 Residential/Commercial Product Catalog & Price Book

Heating & Hot Water Solutions

USD & CAD Prices Effective July 1, 2024



[www.bosch-homecomfort.us](http://www.bosch-homecomfort.us)



# Bosch Home Comfort Group

We invent sustainable heating, cooling and well-being solutions – for a smarter and better life.

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

That's why, at Bosch Home Comfort, 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 Home Comfort Group**

Bosch Home Comfort Group 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 Home Comfort 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, 2022). The company generated sales of 99 billion euros in 2023. 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."

# A Comfort Solutions Provider for Residential & Commercial Applications



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# Bosch's most popular boiler in the world

## Bosch Greenstar Boilers

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The Greenstar is built using precision German engineering that includes Bosch designing and manufacturing all 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. 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 you to save up to 75% in Federal, State and local credits. Visit [BoschHeatingAndCooling.com](http://BoschHeatingAndCooling.com) to find the available efficiency rebates in your area.<sup>(1)</sup>

### Features

#### 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

#### Capable of outdoor reset 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 4 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 our Best-Selling Boiler in the World!**



Scan or Click

## 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

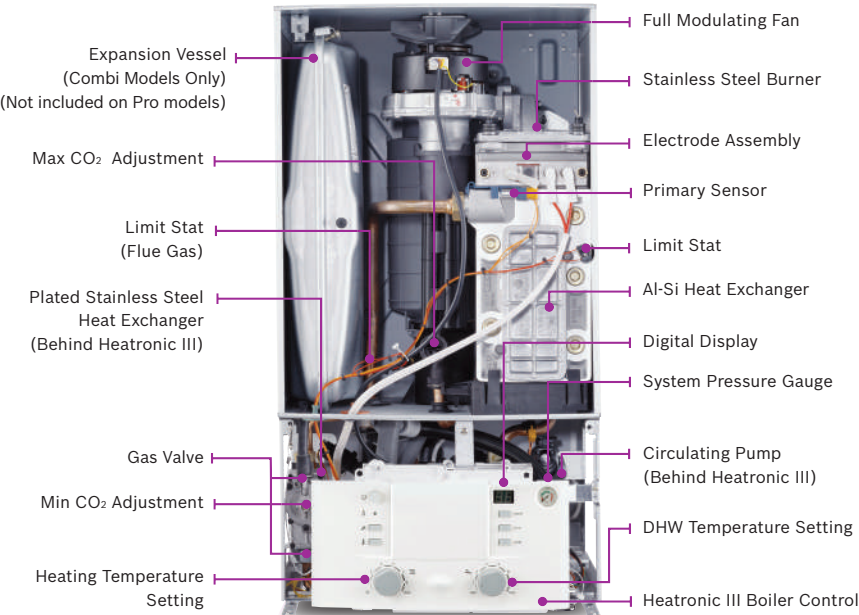
### Greenstar Combi-Boilers

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 Heat Only & Combi Boilers



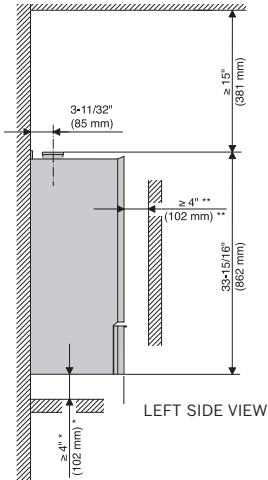
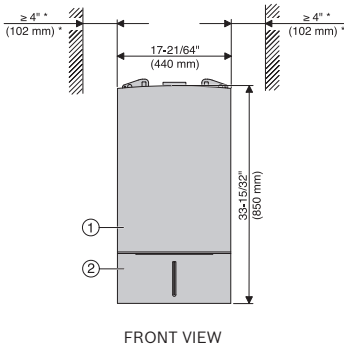
Greenstar Combi model is shown above

### 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.	USD PRICE	CAD PRICE
HEAT ONLY BOILERS*							
Greenstar 79 - ZBR21	95%	79	71	62	7-738-100-322	\$6,900	\$8,962
Greenstar 100 - ZBR28	95%	100	91	79	7-712-231-415	\$7,118	\$9,841
Greenstar 131 - ZBR35	95%	132	118	103	7-712-231-414	\$8,745	\$10,019
Greenstar 151 - ZBR42	95%	152	135	117	7-712-231-413	\$9,199	\$11,238
COMBI BOILER - HEAT AND TANKLESS DHW COMBINED (SIZE FOR THE DHW DEMANDS)*							
Greenstar Combi 100 - ZWB28	95%	100	91	79	7-738-100-002	\$8,188	\$8,933
Greenstar Combi 131 - ZWB35	95%	132	118	103	7-738-100-256	\$8,973	\$10,630
Greenstar Combi 151 - ZWB42	95%	152	135	117	7-713-331-041	\$9,110	\$11,910
COMBI BOILER PRO - HEAT AND TANKLESS DHW COMBINED (SIZE FOR THE DHW DEMANDS)**							
Greenstar Combi 100P - ZWB28-3A	95%	100	89.4	79	7-738-100-825	\$6,394	\$8,758
Greenstar Combi 151P - ZWB42-3A	95%	152	135	117	7-738-100-611	\$8,147	\$10,386

\* Includes integrated pump, tank sensor, 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

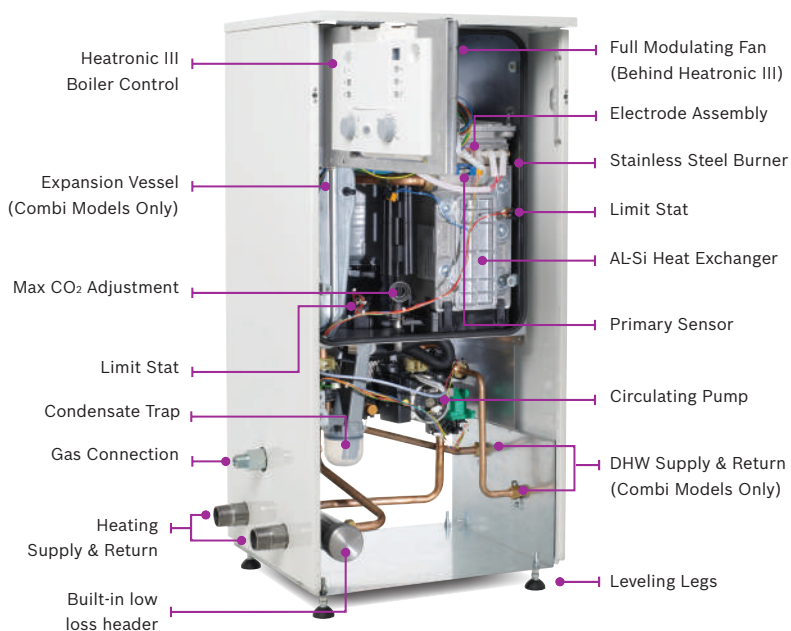
## Condensing Heat Only & Combi Boilers

### 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

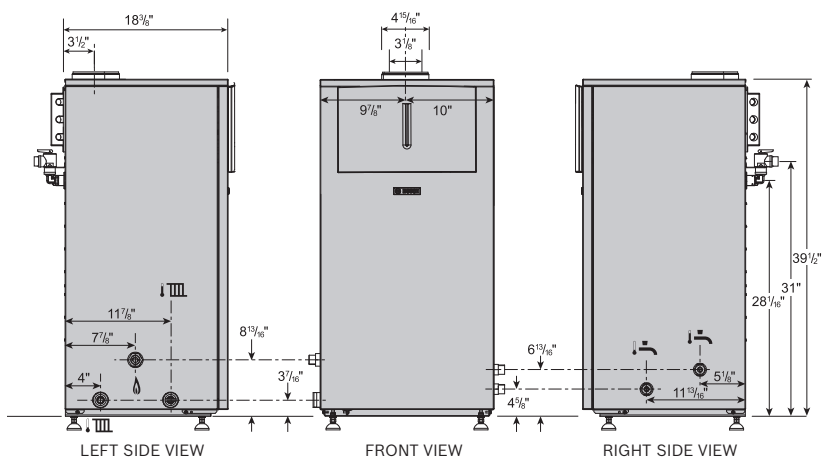
- ▶ Ease of installation
- ▶ Reliability provides peace of mind
- ▶ Trouble free setup and commissioning
- ▶ Serviceability is unmatched
- ▶ Multiple installation options for the right fit



MODEL	AFUE %	INPUT MBH	HEATING CAPACITY MBH	NET IBR RATING MBH (NET WATER)	PART NO.	USD PRICE	CAD PRICE
<b>HEAT ONLY BOILERS**</b>							
Greenstar FS 79 - KBR21	95%	79	71	62	7-733-600-078	\$7,334	\$9,091
Greenstar FS 100 - KBR28	95%	100	89.4	79	7-733-600-079	\$7,557	\$10,273
Greenstar FS 131 - KBR35	95%	132	116.7	103	7-733-600-080	\$9,719	\$11,514
Greenstar FS 151 - KBR42	95%	152	134.4	117	7-733-600-081	\$10,054	\$12,256
<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	\$9,152	\$10,329
Greenstar FS Combi 131 - KWB35	95%	132	116.7	103	7-733-600-083	\$9,972	\$11,579
Greenstar FS Combi 151 - KWB42	95%	152	134.4	117	7-733-600-084	\$10,107	\$12,781

\*\* 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



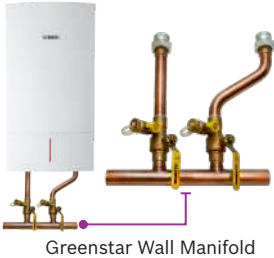
# Technical Specifications

MODEL	COMBI			HEAT ONLY			
	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>8</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>8</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, and junction box

## Accessories

DESCRIPTION	PART NO.	USD PRICE	CAD PRICE
Cleaning Tool WB5 (Acc-No1061)	7-719-002-503	\$65	\$67
Brush set WB5 (Acc-No 1060)	7-719-002-502	\$197	\$232
Greenstar Wall Manifold	7-738-007-138	\$735	\$977
Floor Stand for the Wall Boilers	7-738-111-216	\$1,144	\$1,489
Bosch Protection Pack	7-738-007-397	\$912	\$1,203



Greenstar Wall Manifold



## Controls

DESCRIPTION	PART NO.	USD PRICE	CAD PRICE
ICM Cascade Module for Greenstar Boilers	7-719-003-528	\$1,293	\$1,529
Optional outdoor temperature sensor for warm weather shutdown capability	8-747-207-101-0	\$117	\$166
CRC200	7-738-111-034	\$312	\$353

## Venting

DESCRIPTION	PART NO.	USD PRICE	CAD PRICE
Greenstar 80/125mm Concentric Up and Out Vent Kit	7-738-003-218	\$442	\$522
Concentric vent extension PP 80/125 x 10"	7-738-003-238	\$166	\$178
Concentric vent extension PP 80/125 x 20"	7-738-003-239	\$171	\$188
Concentric vent extension PP 80/125 x 40"	7-738-003-240	\$197	\$215
Concentric vent extension PP 80/125 x 80"	7-738-003-241	\$392	\$427
Concentric vent elbow PP 80/125 90°	7-738-003-242	\$213	\$231
Concentric vent elbow PP 80/125 45°	7-738-003-243	\$191	\$210
Concentric vent seal EPDM 80	7-738-003-244	\$15	\$13
Concentric Vent PP 80/125 Seal EPDM 125	7-738-003-245	\$17	\$15
Twin Pipe Adaptor for Pro Series or replacement	8-718-226-289-0	\$396	\$531



Concentric Up and Out Vent Kit

## Bosch Greenstar Boiler Repair & Cleaning Kits

**Bosch Greenstar is our 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.	USD PRICE	CAD PRICE
Brush set WB5 (Includes 5 Brushes and 5 Gaskets (87101031530))	7-719-002-502	1PC	7-738-005-718	\$517	\$766
Cleaning tool WB5 (AccNo1061)	7-719-002-503	1PC			
Burner sealing	8-711-004-168-0	5PC			
Electrode	8-718-664-920-0	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.	USD PRICE	CAD PRICE
Control unit (Heatronic III)	8-737-704-671-0	1PC	7-738-005-190	\$2,042	\$2,850
Set of electrodes/ignitor assembly	8-718-664-920-0	1PC			
Gas valve USA	8-718-226-391-0	1PC			
Diverter valve assembly motor	8-716-106-847-0	1PC			
Siphon	8-710-506-271-0	1PC			
Temperature sensor	8-714-500-117-0	1PC			
Temperature limiter	8-722-963-858-0	1PC			
Sealing	8-7101-03-153-0	1PC			
Burner sealing	8-711-004-168-0	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.	USD PRICE	CAD PRICE
Electrode	8-718-664-920-0	1PC	7-738-007-193	\$8,508	\$11,486
Burner sealing	8-711-004-168-0	1PC			
Control unit (Heatronic III)	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			

# Bosch Singular Condensing Combi Boilers

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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 [www.bosch-homecomfort.us](http://www.bosch-homecomfort.us) to find the available efficiency rebates in your area.°

## Features

- ▶ 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<sup>§</sup>



## Bosch Singular Boiler Applications

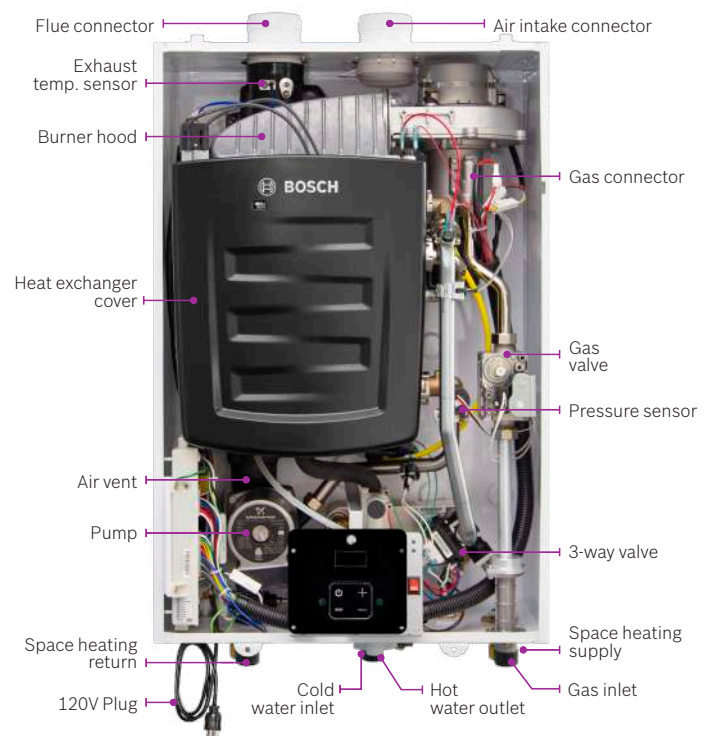
Singular combi wall boilers provide efficient heating and plenty of hot water for many residential applications. There are two different models to choose from: 155K BTU and 199K BTU. Both can make enough domestic hot water for most residential bathing needs.

## 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>§</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.



# Prefabricated Low Loss Header

The prefabricated low-loss header is specially designed for the circulator installed in the wall boiler and ensures proper flow-rate through the unit. By simplifying the piping, the manifold allows for quicker, easier, and trouble-free installation of a Singular boiler.



## Singular Accessories

MODEL	PART NO.	USD PRICE	CAD PRICE
Outdoor Temp Sensor	7-738-007-304	\$161	\$214
Singular Manifold	7-738-007-396	\$912	\$1,203
Bosch Protection Pack	7-738-007-397	\$912	\$1,203

## Singular Parts

MODEL	PART NO.	USD PRICE	CAD PRICE
Flame Rod Assembly	7-738-007-259	\$25	\$33
Electrode Assembly	7-738-007-260	\$25	\$33

MODELS		SINGULAR 4000	SINGULAR 5200
PART NUMBER		7-738-007-219	7-738-007-220
USD PRICE		\$4,475	\$5,051
CAD PRICE		\$5,774	\$6,517
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	

\$For complete warranty details please visit [www.bosch-homecomfort.us](http://www.bosch-homecomfort.us)



# 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!



CONDENSING BOILERS

## Singular Distributor Parts Kit

DESCRIPTION	ITEM NUMBER	QTY.	PART NO.	USD PRICE	CAD PRICE
Touch Pad	7-738-007-238	1PC	7-738-007-413	\$5,405	\$7,134
Air Intake Screen	7-738-007-245	1PC			
Switch, Air pressure 4000	7-738-007-246	1PC			
Switch, Air pressure 5200	7-738-007-247	1PC			
Control Board 4000	7-738-007-248	1PC			
Control Board 5200	7-738-007-249	1PC			
Wire Harness	7-738-007-250	1PC			
Ignition transformer	7-738-007-252	1PC			
High Limit Cutout HEX T2 (302°F)	7-738-007-253	1PC			
Wire, High limit switch	7-738-007-254	1PC			
Heat Exchanger	7-738-007-256	1PC			
Orifice NG	7-738-007-257	1PC			
Orifice LP	7-738-007-258	1PC			
Flame Rod Assembly	7-738-007-259	1PC			
Electrode Assembly	7-738-007-260	1PC			
Diaphragm Valve	7-738-007-261	1PC			
Fan	7-738-007-262	1PC			
Valve, TDR solenoid	7-738-007-264	1PC			
Exhaust Gas Temp Sensor	7-738-007-268	1PC			
Valve, Gas	7-738-007-270	1PC			
Trap, Condensate	7-738-007-273	1PC			
Hose, Condensate	7-738-007-274	1PC			
High Limit Cutout Supply T3 (203°F)	7-738-007-275	1PC			
Heating Return Sensor	7-738-007-277	1PC			
Air vent	7-738-007-282	1PC			
Pump	7-738-007-283	1PC			
Valve, Manual feed	7-738-007-287	1PC			
Flow Switch	7-738-007-289	1PC			
DHW Sensor	7-738-007-295	1PC			
Valve, Diverter	7-738-007-296	1PC			
Pressure sensor	7-738-007-297	1PC			
HX, Flate Plate	7-738-007-299	1PC			
O-ring Kit	7-738-007-302	1PC			
Screw/Packing/Clip Kit	7-738-007-303	1PC			
Outdoor Temperature Sensor	7-738-007-304	1PC			

# Singular Technicians Parts Kit

DESCRIPTION	ITEM NUMBER	QTY.	PART NO.	USD PRICE	CAD PRICE
Air Intake Screen	7-738-007-245	1PC	7-738-007-411	\$552	\$727
Wire Harness	7-738-007-250	1PC			
High Limit Cutout HEX T2 (302°F)	7-738-007-253	1PC			
Flame Rod Assembly	7-738-007-259	1PC			
Electrode Assembly	7-738-007-260	1PC			
Exhaust Gas Temp Sensor	7-738-007-268	1PC			
High Limit Cutout Supply T3 (203°F)	7-738-007-275	1PC			
Heating Return Sensor	7-738-007-277	1PC			
Air vent	7-738-007-282	1PC			
Flow Switch	7-738-007-289	1PC			
DHW Sensor	7-738-007-295	1PC			
Pressure sensor	7-738-007-297	1PC			
O-ring Kit	7-738-007-302	1PC			
Screw/Packing/Clip Kit	7-738-007-303	1PC			
Outdoor Temperature Sensor	7-738-007-304	1PC			

# Singular Contractor Parts Kit

DESCRIPTION	ITEM NUMBER	QTY.	PART NO.	USD PRICE	CAD PRICE
Touch Pad	7-738-007-238	1PC	7-738-007-412	\$1,368	\$1,806
Air Intake Screen	7-738-007-245	1PC			
Switch, Air pressure 4000	7-738-007-246	1PC			
Switch, Air pressure 5200	7-738-007-247	1PC			
Wire Harness	7-738-007-250	1PC			
Ignition transformer	7-738-007-252	1PC			
High Limit Cutout HEX T2 (302°F)	7-738-007-253	1PC			
Wire, High limit switch	7-738-007-254	1PC			
Orifice NG	7-738-007-257	1PC			
Orifice LP	7-738-007-258	1PC			
Flame Rod Assembly	7-738-007-259	1PC			
Electrode Assembly	7-738-007-260	1PC			
Diaphragm Valve	7-738-007-261	1PC			
Valve, TDR solenoid	7-738-007-264	1PC			
Exhaust Gas Temp Sensor	7-738-007-268	1PC			
Valve, Gas	7-738-007-270	1PC			
Trap, Condensate	7-738-007-273	1PC			
Hose, Condensate	7-738-007-274	1PC			
High Limit Cutout Supply T3 (203°F)	7-738-007-275	1PC			
Heating Return Sensor	7-738-007-277	1PC			
Air vent	7-738-007-282	1PC			
Valve, Manual feed	7-738-007-287	1PC			
Flow Switch	7-738-007-289	1PC			
DHW Sensor	7-738-007-295	1PC			
Valve, Diverter	7-738-007-296	1PC			
Pressure sensor	7-738-007-297	1PC			
HX, Flate Plate	7-738-007-299	1PC			
O-ring Kit	7-738-007-302	1PC			
Screw/Packing/Clip Kit	7-738-007-303	1PC			
Outdoor Temperature Sensor	7-738-007-304	1PC			

# Buderus G115WS & G215

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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
- ▶ Increased efficiency through full three-pass boiler design

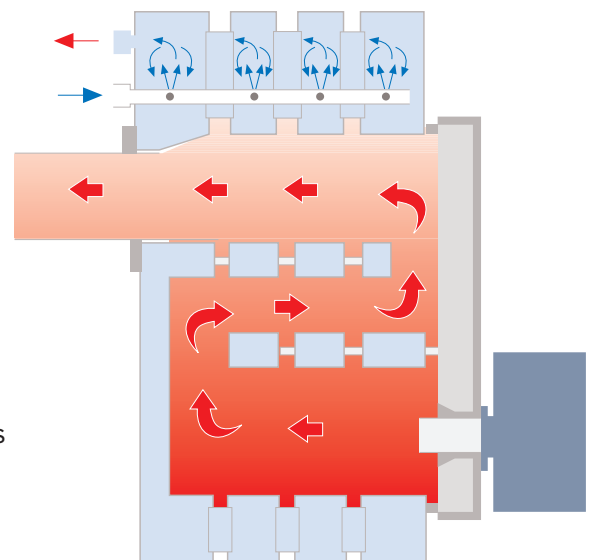


## The Three-Pass Boiler Design

- ▶ 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>

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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.	USD PRICE	CAD PRICE
G115WS/21	3	0.7	87	85,000	74,000	7-747-019-702	\$5,006	\$5,374
G115WS/28	4	0.9	87	109,000	95,000	7-747-019-703	\$5,732	\$6,158
G115WS/34	5	1.1	87	136,000	118,000	7-747-019-704	\$6,269	\$6,742

## Optional KP Kits

CHIMNEY VENT BURNER KITS	MODEL	HYDROSTAT		
		PART NO.	USD PRICE	CAD PRICE
G115WS/3 KP Kits	Beckett NX	7-738-004-838	\$3,273	\$3,758
	Riello F3	7-738-004-841	\$3,068	\$2,976
	Carlin EZ-1	7-738-004-844	\$3,061	\$3,258
G115WS/4 KP Kits	Beckett NX	7-738-004-839	\$3,273	\$3,758
	Riello F5	7-738-004-842	\$3,068	\$2,976
	Carlin EZ-1	7-738-004-845	\$3,061	\$3,258
G115WS/5 KP Kits	Beckett NX	7-738-004-840	\$3,273	\$3,758
	Riello F5	7-738-004-843	\$3,068	\$2,976
	Carlin EZ-1	7-738-004-846	\$3,061	\$3,258
DIRECT VENT BURNER KITS	MODEL	HYDROSTAT		
		PART NO.	USD PRICE	CAD PRICE
G115WS/3 KP KITS	Beckett NX	7-738-004-847	\$3,394	\$3,896
	Riello BF3	7-738-004-850	\$4,547	\$4,202
	Carlin EZ-1	7-738-004-853	\$3,717	\$3,958
G115WS/4 KP KITS	Beckett NX	7-738-004-848	\$3,394	\$3,896
	Riello BF3	7-738-004-851	\$4,547	\$4,202
	Carlin EZ-1	7-738-004-854	\$3,717	\$3,958
G115WS/5 KP KITS	Beckett NX	7-738-004-849	\$3,394	\$3,896
	Riello BF5	7-738-004-852	\$4,547	\$4,202
	Carlin EZ-1	7-738-004-855	\$3,717	\$3,958

## Controls

DESCRIPTION	PART NO.	USD PRICE	CAD PRICE
2107 Logamatic Control Includes DHW Package	8-718-573-874	\$2,322	\$2,587
FM 241 Mixing Valve Module for 2107	5-016-598	\$776	\$841
FM 242 2-Stage or Modulating Firing Module for 2107	8-718-585-040	\$331	\$382
2107 BFU Room Sensor	5-720-724	\$335	\$351
Hydrostat Jacket/Wall Mounting Kit	7-738-003-609	\$115	\$130
Hydrostat Outdoor Sensor Kit	7-738-003-610	\$125	\$134
Control/well/sensor	7-738-003-606	\$509	\$537
Control only	7-738-003-607	\$470	\$493
Sensor only	7-738-003-608	\$53	\$55
Well only	7-738-003-611	\$101	\$105

Refer to Control Section for more information.

## Accessories

DESCRIPTION	PART NO.	USD PRICE	CAD PRICE
G115WS, 215, 315 Cleaning Brush Kit	7-738-001-110	\$145	\$164
G115WS Flue Gas Silencer - 130MM	8-718-584-389	\$1,387	\$1,547
Flexible Oil Line, #2 Fuel & B20 Bio Fuel	7-738-005-280	\$119	\$169

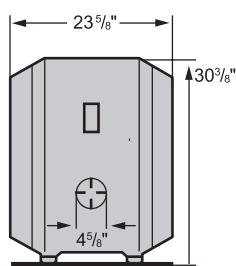
## Direct Venting

DESCRIPTION	PART NO.	USD PRICE	CAD PRICE
46483400 4" Fields Termination Hood W/V	F-T4	\$145	\$164
Aerocowel Termination Hood 4"	A-T4	\$1,392	\$1,798
OVC-10 Field 4"x10" S/Steel FI	4-648-410-0	\$119	\$169

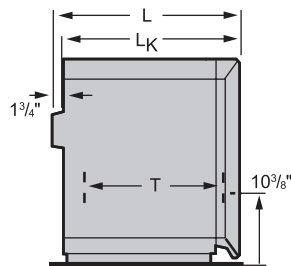


# G115WS Dimensions and Connections

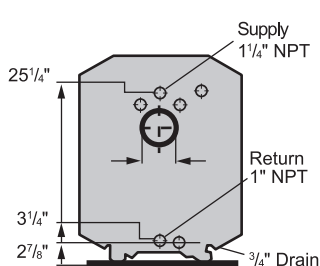
Front, side, rear and top view measurements in inches.



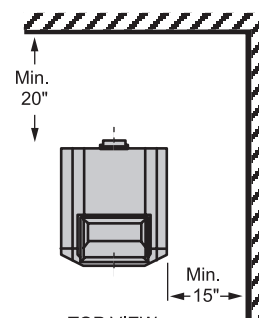
FRONT VIEW



SIDE VIEW



REAR VIEW

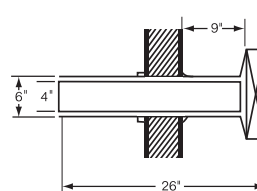


TOP VIEW

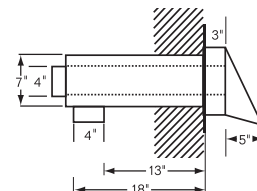
MODEL	G115WS/3	G115WS/4	G115WS/5
<b>PERFORMANCE DATA DATA (FOR CHIMNEY VENT MODELS)</b>			
Gross Output BTU/Hr.	85,000	109,000	136,000
Net IBR BTU/Hr.	74,000	95,000	118,000
Firing Rate (GPH)	0.7	0.9	1.1
AFUE %	87	87	87
<b>PIPING CONNECTION</b>			
# of Sections	3	4	5
Vent Connection Size	5"	5"	5"
Supply	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.



**AT-4 Aerocowl Termination**  
Part #: AT4



**FT-4 Concentric Pipe-in-Pipe Termination**  
Part #: FT4

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

Product  
Brochure  
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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.*	USD PRICE	CAD PRICE
G215/3	3	1.10	87	134,000	117,000	7-738-000-111	\$6,936	\$7,458
G215/4	4	1.40	87	171,000	149,000	7-738-000-112	\$7,837	\$8,419
G215/5	5	1.70	87	207,000	180,000	7-738-000-113	\$8,941	\$9,603
G215/6	6	2.10	87	256,000	223,000	7-738-000-114	\$11,159	\$11,991

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

## Optional KP Kits

CHIMNEY VENT BURNER KITS	MODEL	HYDROSTAT		
		PART NO.	USD PRICE	CAD PRICE
G215/3	Beckett AFG	7-738-004-859	\$3,267	\$3,750
	Riello F5	7-738-004-864	\$3,152	\$3,056
	Carlin EZ-1	7-738-004-869	\$3,070	\$3,264
G215/4	Beckett AFG	7-738-004-860	\$3,267	\$3,750
	Riello F5	7-738-004-865	\$3,152	\$3,056
	Carlin EZ66	7-738-004-870	\$3,070	\$3,264
G215/5	Beckett CF375	7-738-004-861	\$3,742	\$4,298
	Riello F10	7-738-004-866	\$4,318	\$4,190
	Carlin EZ66	7-738-004-871	\$3,070	\$3,264
G215/6	Beckett CF375	7-738-004-862	\$3,742	\$4,298
	Riello F10	7-738-004-867	\$4,318	\$4,190

## Accessories

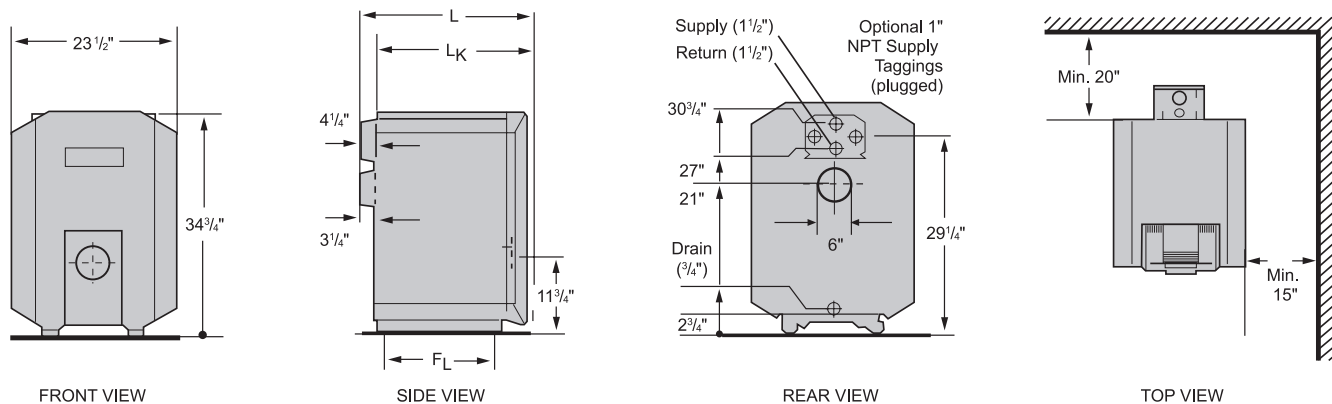
MODEL	PART NO.	USD PRICE	CAD PRICE
G115WS, 215, 315 Cleaning Brush Kit	7-738-001-110	\$145	\$164
Flexible Oil Line, #2 Fuel & B20 Bio Fuel	7-738-005-280	\$119	\$169

## Controls

MODEL	PART NO.	USD PRICE	CAD PRICE
2107 Logamatic Control Includes DHW Package	8-718-573-874	\$2,322	\$2,587
FM 241 Mixing Valve Module for 2107	5-016-598	\$776	\$841
FM 242 2-Stage or Modulating Firing Module for 2107	8-718-585-040	\$331	\$382
2107 BFU Room Sensor	5-720-724	\$335	\$351
Hydrostat Jacket/Wall Mounting Kit	7-738-003-609	\$115	\$130
Hydrostat Outdoor Sensor Kit	7-738-003-610	\$125	\$134
Control/well/sensor	7-738-003-606	\$509	\$537
Control only	7-738-003-607	\$470	\$493
Sensor only	7-738-003-608	\$53	\$55
Well only	7-738-003-611	\$101	\$105

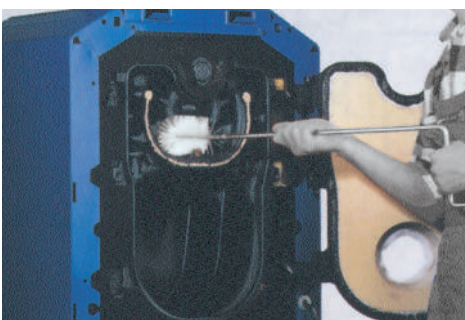
# G215 Dimensions and Connections

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



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

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

Product  
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The BGH96 Series has a 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



## 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>§</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.

<sup>\*</sup>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 [www.bosch-homecomfort.us](http://www.bosch-homecomfort.us) 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.



# System & Technical Information

Performance  
Data  
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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
Price USD <sup>(1)</sup>			\$4,581	\$4,720	\$5,138	\$5,377	\$5,577	\$5,975
Price CAD <sup>(1)</sup>			\$5,440	\$5,605	\$6,102	\$6,386	\$6,623	\$7,096
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.

# Bosch Panel Radiators

Product  
Brochure  
Scan or Click



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
- ▶ Panel radiators are ideal in new construction, as well as suitable for retro-fit applications
- ▶ Panel radiators are clean, do not blow air or stir up dust, and their operation is virtually silent.
- ▶ 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



Model 21  
2½" Deep

## Model 21

DIMENSIONS (H X W X D)	BTU @ 180° F*	SHIP WEIGHT (LBS.)	PART NO.	USD PRICE	CAD PRICE
12" x 24"	1838	20	7-750-100-306	\$728	\$843
12" x 36"	2756	30	7-750-100-309	\$841	\$977
12" x 48"	3675	40	7-750-100-312	\$949	\$1,103
12" x 59"	4594	50	7-750-100-315	\$1,057	\$1,226
12" x 71"	5513	60	7-750-100-318	\$1,167	\$1,356
20" x 24"	2713	32	7-750-102-306	\$786	\$914
20" x 36"	4070	48	7-750-102-309	\$919	\$1,071
20" x 48"	5427	63	7-750-102-312	\$1,047	\$1,220
20" x 59"	6784	79	7-750-102-315	\$1,177	\$1,365
20" x 71"	8140	95	7-750-102-318	\$1,300	\$1,515
24" x 24"	3138	38	7-750-103-306	\$884	\$1,029
24" x 36"	4706	57	7-750-103-309	\$1,034	\$1,205
24" x 48"	6275	76	7-750-103-312	\$1,186	\$1,383
24" x 59"	7844	95	7-750-103-315	\$1,337	\$1,547
24" x 71"	9413	114	7-750-103-318	\$1,487	\$1,727

\* 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



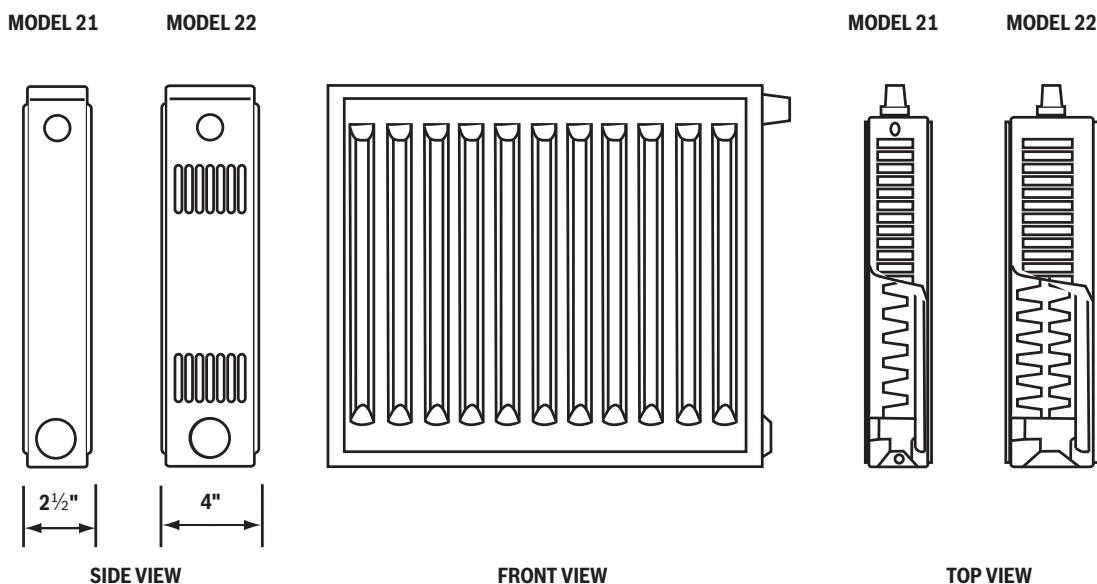
Model 22  
4" deep shown with optional sensor head

## Model 22

DIMENSIONS (H X W X D)	BTU @ 180° F*	SHIP WEIGHT (LBS.)	PART NO.	USD PRICE	CAD PRICE
12" x 16"	1573	15	7-750-100-604	\$643	\$751
12" x 24"	2359	23	7-750-100-606	\$713	\$836
12" x 36"	2539	34	7-750-100-609	\$821	\$951
12" x 48"	4719	46	7-750-100-612	\$921	\$1,073
12" x 59"	6291	57	7-750-100-615	\$1,025	\$1,198
12" x 71"	7078	68	7-750-100-618	\$1,123	\$1,313
20" x 16"	2341	26	7-750-102-604	\$735	\$855
20" x 24"	3511	38	7-750-102-606	\$826	\$955
20" x 36"	5266	57	7-750-102-609	\$958	\$1,114
20" x 48"	7022	76	7-750-102-612	\$1,090	\$1,263
20" x 59"	8777	101	7-750-102-615	\$1,212	\$1,409
20" x 71"	10,533	114	7-750-102-618	\$1,357	\$1,579
24" x 16"	2713	30	7-750-103-604	\$826	\$955
24" x 24"	4069	45	7-750-103-606	\$932	\$1,085
24" x 36"	6104	68	7-750-103-609	\$1,092	\$1,269
24" x 48"	8139	90	7-750-103-612	\$1,257	\$1,458
24" x 59"	10,173	120	7-750-103-615	\$1,406	\$1,638
24" x 71"	12,208	135	7-750-103-618	\$1,573	\$1,831
36" x 16"	3833	45	7-750-105-604	\$986	\$1,138

\* 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

# Panel Radiators



## Panel Radiator Accessories

### Compression Fittings, Brackets, Thermostatic Valve Heads

	MODEL 21	MODEL 22	PART NO.	USD PRICE	CAD PRICE
<b>COMPRESSION FITTINGS - 2 PER PACKAGE</b>					
Pex Compression Fitting, 3/4" PEX (22 x 2mm)	✓	✓	7-738-000-789	\$72	\$68
Radiator Compression Fittings, 3/8" PEX (13 x 2mm)	✓	✓	1-016-870	\$76	\$85
Radiator Compression Fittings, 5/8" PEX (20 x 2mm)	✓	✓	1-646-851	\$84	\$93
Radiator Compression Fittings, Copper (1/2")	✓	✓	6-198-924	\$34	\$44
Radiator Compression Fittings, PEX 16 x 2 mm (ASTM 1/2")	✓	✓	8-000-713-2	\$35	\$42
Radiator Compression Fittings, PEX 17 x 2 mm	✓	✓	8-000-714-0	\$54	\$58
<b>CONNECTION SETS</b>					
Pressure Bypass Valve 3/4"	✓	✓	3-L60-250-2	\$401	\$657
Radiator Diverter Valve - Straight	✓	✓	8-368-904-4	\$90	\$103
Radiator Diverter Valve - Angle	✓	✓	8-368-905-2	\$136	\$136
Radiator Crossover Valve	✓	✓	8-000-751-2	\$117	\$130
Isolation Valve - Straight	✓	✓	7-738-317-846	\$90	\$122
Isolation Valve - Angle	✓	✓	7-738-317-847	\$102	\$145
Radiator Drain 1/2"	✓	✓	8-291-106-0	\$16	\$16
Optional Covers for Floor Bracket	✓	✓	8-160-640-0	\$134	\$151
<b>ACCESSORIES</b>					
Thermostatic Radiator Sensor Head	✓	✓	7-738-006-264	\$46	\$63
Radiator & Towel Rack Manual Adjuster	✓	✓	0-13G-500-2	\$26	\$46
Pressure Bypass Valve 3/4"	✓	✓	3-L60-250-2	\$401	\$657
Floor Bracket	✓	✓	7-738-317-469	\$147	\$161



# 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 441L 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

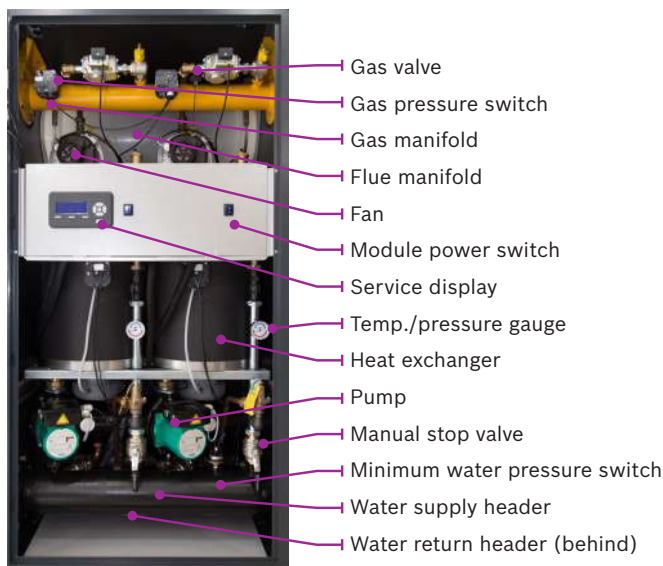


## Cascade Up-To Four SSB1000TL's

- ▶ 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



## 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



(1) 8192 MBH is possible by connecting the communication cable between two sets of SSB1000TL4.  
§For complete warranty details please visit [www.bosch-homecomfort.us](http://www.bosch-homecomfort.us)

# Bosch Buderus SSB Multi-Modular System

Save Space, Time, and Money

## Advantages of Bosch Buderus 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

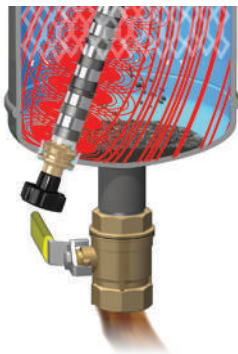
### Traditional Boiler System Approach

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

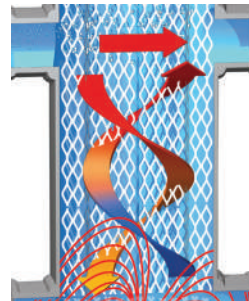
- ▶ Tied in cascade to operate as a "single" boiler
- ▶ Each module includes:
  - (2) Independent 512 MBH Heat Exchangers,
  - (2) Burners, (2) Operating controls

# LLH 4-in-1 High Performance Functionality



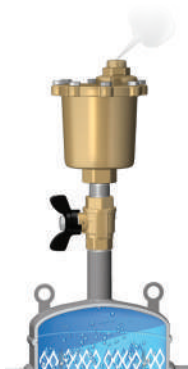
## Dirt Separation

- ▶ 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



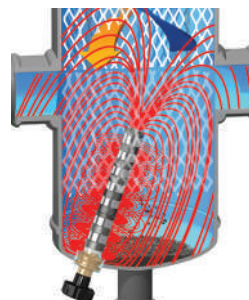
## Hydraulic Separation

- ▶ 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 rare 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



# SSB Commercial Stainless Steel Condensing

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.



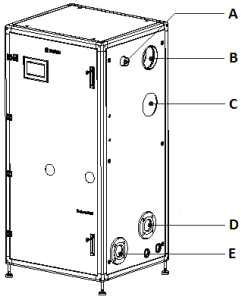
MODEL	COMBUSTION / THERMAL EFFICIENCY	GAS INPUT MBH	GROSS OUT-PUT MBH (KW)	NET IBR MBH (KW)	SHIPPING WEIGHT LBS. (APPROX)	PART NO.	USD PRICE	CAD PRICE
SSB800	97.6 %	798	772 (226)	671.3 (197)	960	7-738-004-897	\$52,784	\$67,488
SSB1000	95.4 %	1024	991 (290)	861.7 (252)	1092	7-738-004-898	\$71,243	\$90,218
SSB1000TL*	95.4 %	1024	991 (290)	861.7 (252)	1224	7-738-006-278	\$71,783	\$90,756

\*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.

## Accessories

MODEL	PART NO.	USD PRICE	CAD PRICE
BacNET Gateway for SSB Boilers	7-738-006-441	\$3,427	\$4,738
LonWorks Gateway for SSB Boilers	7-738-005-170	\$5,085	\$6,912
3" SSB Low Loss Header (Single Boiler Application)	7-738-007-139	\$21,236	\$28,314
5" SSB Low Loss Header (1-4 Boiler Application)	7-738-007-140	\$28,820	\$38,426

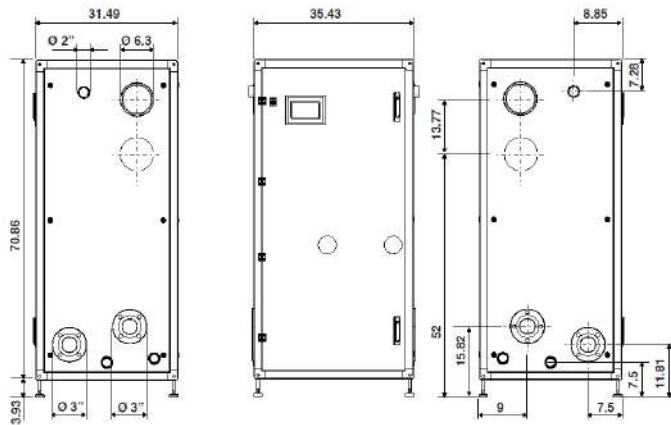
ITEM	DESCRIPTION	SSB800 & SSB1000	SSB1000TL
A	Gas Inlet	2" NPT	3" Flanged
B	Flue Exhaust	6"	10"
C	Air Intake	6"	10"
D	System Return (Flanged)	3"	5"
E	System Supply (Flanged)	3"	5"



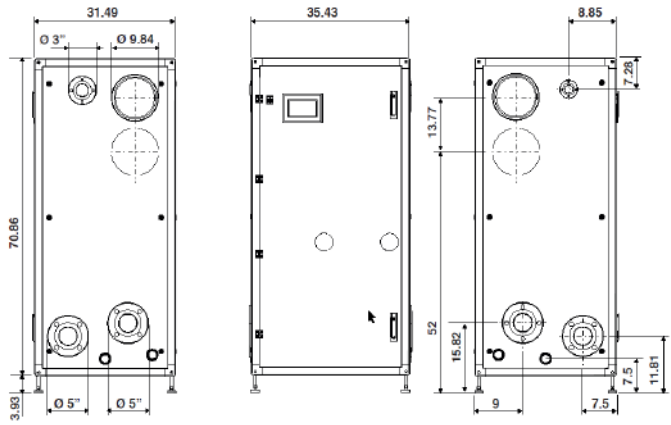
# SSB Commercial Series Dimensions and Connections

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)	
Min input rate	BTU/hr (kW)	96,100 (28.2)		
Turndown	Rate (%)	10:1 (10%)		
Gas Connections (NPT)	Ø Inch	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		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)	
Water flow at max power (ΔT 45°F / 25°C)	GPM (m3/h)	35 (8)	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)		
Max HE allowable temperature	°F (°C)	210 (98.9)		
Ambient storage temperature dry	°F (°C)	5 to 158 (-15 to 70)		
Ambient functioning temperature	°F (°C)	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		
Electrical Req. 120VAC/1PH/60Hz		15.1 FLA *		
Noise rating	dB	51	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)		

\* See manual for details

# Buderus GB162 Boiler

Product  
Brochure  
Scan or Click



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 sq ft of 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



## GB162 Wall Mounted 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.	USD PRICE	CAD 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	\$16,421	\$16,808
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	\$20,578	\$21,269
Single Boiler Kit* (Low-loss header - MUST PURCHASE FOR SINGLE BOILER INSTALLATION)									7-746-901-646	\$910	\$1,174

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.	USD PRICE	CAD PRICE
MCM10 Cascade Module	7-746-900-845	\$2,082	\$2,412
EM10 Modulating Control (0-10v Input Signal)	1-835-8	\$637	\$713

## Accessories

DESCRIPTION	PART NO.	USD PRICE	CAD PRICE
Small Immersion Well	5-446-142	\$70	\$95
LP Conversion Kit one per boiler	7-746-900-499	\$1,434	\$1,868
Single Boiler Stand	W-B1S-TAN-D	\$1,434	\$1,582
Double Boiler Stand	W-B2S-TAN-D	\$1,575	\$1,725
Low Water Cut Off <sup>(1)</sup>	5-50	\$598	\$669
High Limit (L4008E1313) manual reset <sup>(1)</sup>	7-738-001-488	\$684	\$749
50 PSI Relief Valve	1-061-410	\$166	\$182
4" Stainless Steel Termination	4-660-020-4	\$565	\$617

## Cascade Components (Boilers not included)

DESCRIPTION	PART NO.	USD PRICE	CAD PRICE
BACK TO BACK INSTALLATIONS			
TR2 Cascade Pkg. For 2 boilers	7-746-900-913	\$7,422	\$8,279
TR3 Cascade Pkg. For 3 boilers	7-746-900-914	\$14,766	\$16,472
TR4 Cascade Pkg. For 4 boilers	7-746-900-381	\$16,303	\$18,192
TR5/6 Cascade Pkg. For 5 or 6 boilers	7-736-700-233	\$20,964	\$22,635
TR7/8 Cascade Pkg. For 7 or 8 boilers	7-736-700-234	\$29,151	\$31,480
IN-LINE INSTALLATIONS			
TL2 Cascade Package For 2 boilers	7-746-900-378	\$10,763	\$12,004
TL3 Cascade Package For 3 boilers	7-746-900-379	\$13,914	\$15,525
TL4 Cascade Package For 4 boilers	7-746-900-380	\$14,965	\$16,695

Home Comfort Group



**BOSCH**

# Bosch GreenTronic 7000 T Hybrid Electric Water Heater

Bosch's most energy efficient water heater

Product  
Brochure  
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**NEW**



# Bosch GreenTronic 7000 T Hybrid Electric Water Heater

Product  
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To live more sustainably, you do not need to spend a fortune on a water heater or be spartan with your hot water. The Bosch GreenTronic 7000 T is a hybrid electric water heater that can heat your water up-to 3-4 times more efficiently than a traditional electric water heater without sacrificing comfort.

This water heater also qualifies for the federal 25C tax credit as well as many state and utility rebate programs. Check out our website for additional local rebate programs in your area.

## Easy Installation

From retrofits to new construction projects, look no further than the GreenTronic 7000 T. This hybrid electric water heater is designed to be a perfect replacement for electric storage units.

## Benefits

- A** Terminal block wiring: No wire nuts needed, no clips that break. Fast, easy electrical connections for the installer.
- B** Convenient connections: Water connections on the left and electrical on the right means that plumbers and electricians can work simultaneously. The heater can be installed in a corner since there are no connections on the back.
- C** Two integrated handles make moving the unit easier.
- D** Pre-mounted feet for stability & corrosion prevention.

## Included

- Pre-installed T&P valve
- Metal inlet/outlet
- Insulation sleeve
- Brass drain valve
- Condensate drainpipe

Bosch GreenTronic 7000 T Hybrid Electric Water Heater				
Nominal Capacity	50 Gallons		80 Gallons	
Model Name (US: United States, CA: Canada)	TR7000T-50US	TR7000T-50CA	TR7000T-80US	TR7000T-80CA
Part Number	7-738-007-434	7-738-007-436	7-738-007-435	7-738-007-437
USD Price	\$4,495	N/A	\$7,123	N/A
CAD Price	N/A	\$5,395	N/A	\$8,548
UEF	3.75		4.00	
DOE Rated Storage Volume	45 Gallons		74 Gallons	
First Hour Rating	72 Gallons		92 Gallons	
Recovery Rate (90°F rise)	27.5 GPH			
Water Connections	¾" NPT (DN20)			
Max. Water Pressure	150 PSI			
Temperature Setpoint Range	109 – 149°F   43 – 65°C			
Power Supply   Electric Heating Elements	208-240VAC / 30 A (1Ph 60Hz)   2 x 4,500 W			
Refrigerant	R134a			
Compressor Rated Input   Heating Capacity	408 W   1,593 W			
Ambient Operation Temp.	5 – 115°F   -15 – 46°C			
Ambient Operation Temp. for Heat Pump	37 – 109°F   2 – 43°C			
Ingress Protection Rating	IP21			
Dimensions (H x W)	66½ x 21¾		74½ x 25¾	
Available Accessories	Duct adapter for intake and exhaust, leak protection kit			
Warranty <sup>(1)</sup>	10 years parts + 1 year labor			



**Leak Protection Kit**  
This kit consists of a leak sensor plus automatic shutoff valve that will help to protect your home in the event of a water leak.  
Part Number: 7-738-007-445



**Duct Adapter Kit**  
Intake and exhaust adapters allow for connection to air ducts to provide flexibility for installations in limited space or colder climates.  
Part Number: 7-738-007-443




# Bosch Greentherm 9000 Series

Product  
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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 have features never seen on a water heater before.

## Features

- ▶ Space-saving, state-of-the-art tankless design
- ▶ Ultra efficient with UEF ratings of 0.95 
- ▶ Auto-tuning for optimal performance
- ▶ High resolution color LCD interface
- ▶ Wi-Fi accessory & App increases functionality
- ▶ Ability to control external pumps
- ▶ Industry leading 22:1 turn down ratio
- ▶ 60ft venting using 2" pipe
- ▶ Ultra Low NOx Certified
- ▶ Integrated freeze protection
- ▶ Stainless Steel condensing heat exchanger

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 95%, 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

Technical Specifications		T9800 SEO 160	T9800 SEO 199	T9800 SE 160	T9800 SE 199	T9900 SE 160	T9900 SE 199	T9900i SE 199
Part Number		7-736-503-726	7-736-503-727	7-736-503-725	7-736-503-581	7-736-503-730	7-736-503-731	7-736-503-732
USD Price		\$3,607	\$4,113	\$3,701	\$4,204	\$4,378	\$5,112	\$5,694
CAD Price		\$5,109	\$5,825	\$5,243	\$5,956	\$6,200	\$7,234	\$8,065
NG Min-Max Input (kBtu)		9-160	9-199	9-160	9-199	9-160	9-199	9-199
Uniform Energy Factor		0.95						
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)		9	11.2	9	11.2	9	11.2	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				

(1) T9900i SE Pictured Above, Glass cover only on T9900i model (2) WiFi connectivity can be built-in or optional. (3) Integrated pump only on T9900 models (4) Indoor models only

# Bosch Therm Series

Product  
Brochure  
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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



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
USD Price	\$4,174	\$3,605
CAD Price	N/A	N/A
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	

✓ - Standard Equipment, ○ - Optional

\*\*Consult manual and NFPA 54 ANSI Z223.1 national fuel gas code for requirements §Copies of original warranties in their entirety are available at [www.bosch-homecomfort.us](http://www.bosch-homecomfort.us). (1)When installed with high temperature kit (optional accessory) (2)With optional outdoor kit.

# Water Heater Accessories

GreenTronic 7000 T Accessories				GreenTronic 7000 T Hybrid Electric Water Heater			
				50 Gallons		80 Gallons	
ACCESSORIES	PART NO	USD PRICE	CAD PRICE	TR7000T-50US	TR7000T-50CA	TR7000T-80US	TR7000T-80CA
Leak Protection Kit	7-738-007-445	Coming Soon		✓	✓	✓	✓
Duct Adapter Kit	7-738-007-443	Coming Soon		✓	✓	✓	✓

Greentherm 9000 Accessories				T9900 SERIES			T9800 SERIES			
				INDOOR			INDOOR		OUTDOOR	
ACCESSORIES	PART NO	USD PRICE	CAD 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	\$111	\$158				✓	✓	✓	✓
Aquastat Connector Cable	7-736-504-584	\$119	\$162		✓	✓	✓	✓	✓	✓
External NTC with Connector Cable	7-736-504-583	\$111	\$158		✓	✓	✓	✓	✓	✓
Wifi Module	7-736-507-456	\$284	\$380		✓	✓	✓	✓		
Intelligent Cascading Kit	7-709-003-962	\$89	\$106	✓	✓	✓	✓	✓	✓	✓

Therm Accessories				NON CONDENSING MODELS	
ACCESSORIES	PART NO	USD PRICE	CAD PRICE	940 ES	830 ES
Outdoor Kit Gray	7-709-003-913	\$299	\$325	✓	✓
Intelligent Cascading Kit	7-709-003-962	\$89	\$106	✓	✓
Remote Control	7-709-003-213	\$483	\$529	✓	✓
High Temperature Kit	7-736-500-074	\$60	\$62	✓	✓
Pressure Relief Valve	7-738-001-152	\$20	\$20	✓	✓
Exhaust/Intake Brid Screen	L-259-4	\$401	\$439	✓	✓

Therm Venting	PART NO	USD PRICE	CAD PRICE	940 ES	830 ES
Concentric Vent Kit SS 3"/5"	E-SHC-K	\$401	\$439	✓	✓

# Bosch Tankless Water Heaters

## Product Selection Guide

### Choosing the Right Bosch Product

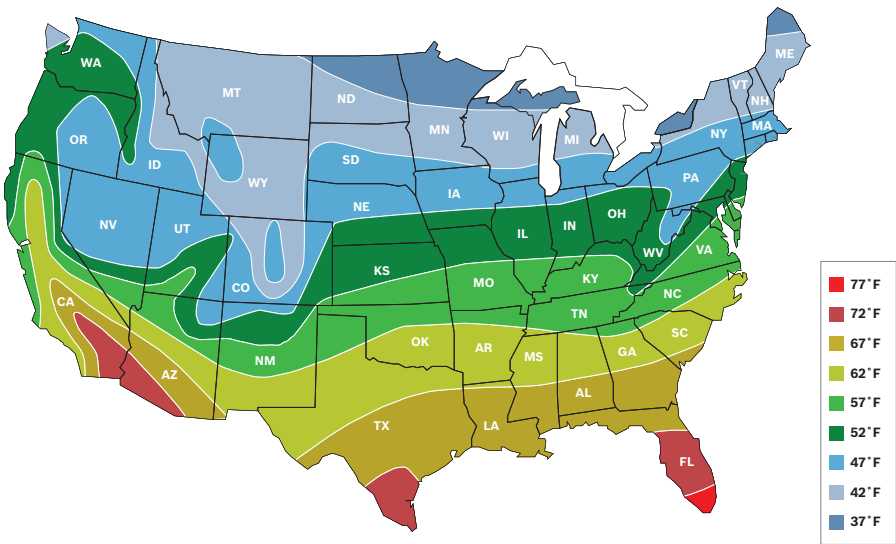
There are many factors to take into account when selecting the right Bosch water heater: the number of people in the home, type of showers and tubs, water pressure, and geographic region.

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°	
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°	
TR6100C-27	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	
TR6100C-18	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.

# Bosch Tronic 4000 C

Product  
Brochure  
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Nothing goes to waste when it comes to the Tronic 4000 C. The unit is compact and lightweight, fitting neatly underneath the sink and saving space. Plus, since the water heater is tankless, the unit only runs when needed. No standby losses means no wasted energy. The Tronic 4000 C's front knob allows you to easily customize the water temperature and is a perfect fit for point of use application with a constant flow.



WARRANTY  
**5**  
YEARS

## Features

- ▶ 96% efficient with no stand-by loss
- ▶ Compact and light weight
- ▶ Control of different power levels
- ▶ Operating light
- ▶ As low as 0.55 GPM activation flow rate
- ▶ 5 year limited warranty, 2 years on parts<sup>s</sup>

## Applications

- ▶ Kitchen & Bathroom
- ▶ RVs, Mobile Homes & Boats
- ▶ Apartments & Garages
- ▶ Warehouses & Factories
- ▶ Stores & Offices
- ▶ Restaurants & Hotels
- ▶ Anywhere hot water is needed!

## The Benefits of Tankless

The Tronic 4000 C 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 it runs on electricity and doesn't hold water, there is no venting and virtually no maintenance required. With significant energy and space savings, this tankless water heater is a great choice for your point-of-use applications.

Technical Specifications	TR4000C-3	TR4000C-6	TR4000C-8	TR4000C-10
Part Number	7-738-007-415	7-738-007-416	7-738-007-417	7-738-007-418
USD Price	\$464	\$464	\$464	\$496
CAD Price	N/A	N/A	N/A	N/A
UEF	0.94	0.96	0.92	0.95
Wattage*	3.5 kW	6.5 kW	8.5 kW	10.5 kW
Voltage	110/120V	208/240V		
Breaker	1 x 30A		1 x 40A	1 x 50A
Water Pressure Range	7 -115 PSI			
Activation Flow	0.25 GPM	0.55 GPM		
Temperature Rise Δt 35°F	0.59	1.26	1.65	2.04
Temperature Rise Δt 45°F	0.50	0.98	1.28	1.59
Temperature Rise Δt 77°F	0.29	0.57	0.75	0.93

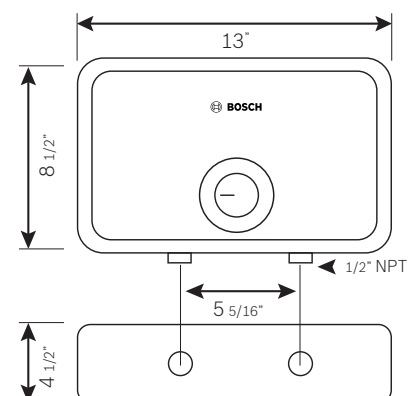
### Choose the Right Model for Your Application

Bathroom Sink <0.8 GPM	✓	✓	⚠	⚠
Kitchen Sink 0.8 - 1.5 GPM	✗	✓	✓	⚠
Commercial Sink >1.5 GPM	✗	✗	✓	✓

✓ ΔT between 25-85 F, ⚠ ΔT above 85 F (Caution: Potential for Scald Risk), ✗ Not recommended for this application

Single Phase Products, \*Wattage Based on Max Voltage supply. Non-thermostatic. The product controls the outlet temperature only by power adjustment. It is designed for constant flow point-of-use applications, be aware of scalding risks before choosing a model. If you are looking for a whole house application with thermostatic control, check out our Tronic 6100 C.

## Dimensions & Weight



4.4 lbs



# Bosch Tronic 6100 C

Product  
Brochure  
Scan or Click



The compact yet powerful Tronic 6100 C electric tankless water heater is easy to install and delivers enough hot water for entire homes. Its modulating elements ensure a constant output temperature that homeowners need for their households. Another bonus: with 95% efficiency and no stand-by loss, no water or electricity goes to waste.



WARRANTY  
**5**  
YEARS

## Features

- ▶ 95% thermal efficiency
- ▶ Compact and lightweight
- ▶ Thermostatic modulation provides constant output
- ▶ Built-in inlet water filter
- ▶ Intuitive and easy temperature control
- ▶ 5 year limited warranty, 2 years on parts<sup>s</sup>

## Applications

The Tronic 6100 C is a perfect solution for both larger and smaller homes. It is compact and very powerful at delivering your hot water needs.

## Water Connections

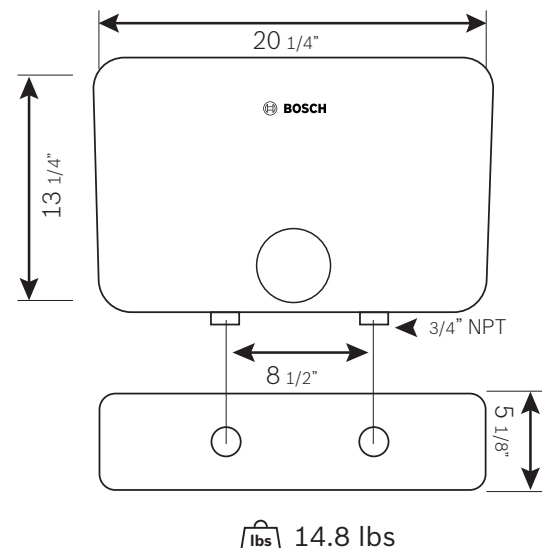
The Tronic 6100 C models have 3/4" NPT fittings for both cold and hot water connections for high flow and easy tank replacement.

## The Benefits of Tankless

The Tronic 6100 C takes up far less space than a traditional water heater. Because it runs on electricity and doesn't hold water, there is no venting and virtually no maintenance required. With significant energy and space savings, this tankless water heater is a great choice and can produce enough hot water for your home's needs.

Technical Specifications	TR6100C-18	TR6100C-27
Part Number	7-738-007-420	7-738-007-421
USD Price	\$1,158	\$1,571
CAD Price	N/A	N/A
UEF	0.94	0.93
Wattage*	18 kW	27 kW
Voltage	208/240V	
Breaker	3 x 30A	3 x 40A
Water Pressure Range	7 -150 PSI	
Activation Flow	0.5 GPM	
Temperature Rise $\Delta t$ 35°F	3.51	5.26
Temperature Rise $\Delta t$ 45°F	2.73	4.09
Temperature Rise $\Delta t$ 77°F	1.59	2.39

## Dimensions & Weight



# Bosch Tronic 3000T

Product  
Brochure  
Scan or Click



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>

## 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.



## Applications

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

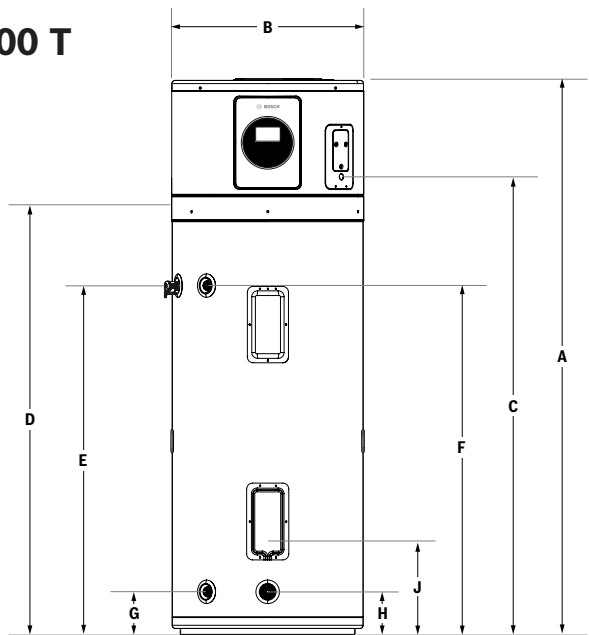
Technical Specifications	ES2.5	ES4	ES8
Part Number	7-738-004-996	7-738-004-997	7-738-004-998
USD Price	\$677	\$702	\$935
CAD Price	N/A		
Tank Volume (gal)	2.7	4	7.1*
Heating Capacity, Watts	1440	1440	1440
Recovery Rate @ 90°F Rise, GPH	6.8	6.8	6.8
Temperature Range (°F)	65 - 145	65 - 145	65 - 145
Maximum Operating Pressure	150	150	150
Weight (lbs)	15.5	17.3	29.5
Dimensions (in)	14 x 14 x 10¾	14 x 14 x 12¾	17½ x 17½ x 14½
Water Fittings	½" Male NPT	½" Male NPT	¾" Male NPT
Relief Valve	Installed	Installed	Included
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 (1) Copies of original warranties in their entirety are available at [www.bosch-homecomfort.us](http://www.bosch-homecomfort.us), (2) ES8 has to be hard wired

# Water Heater Dimensions and Connections

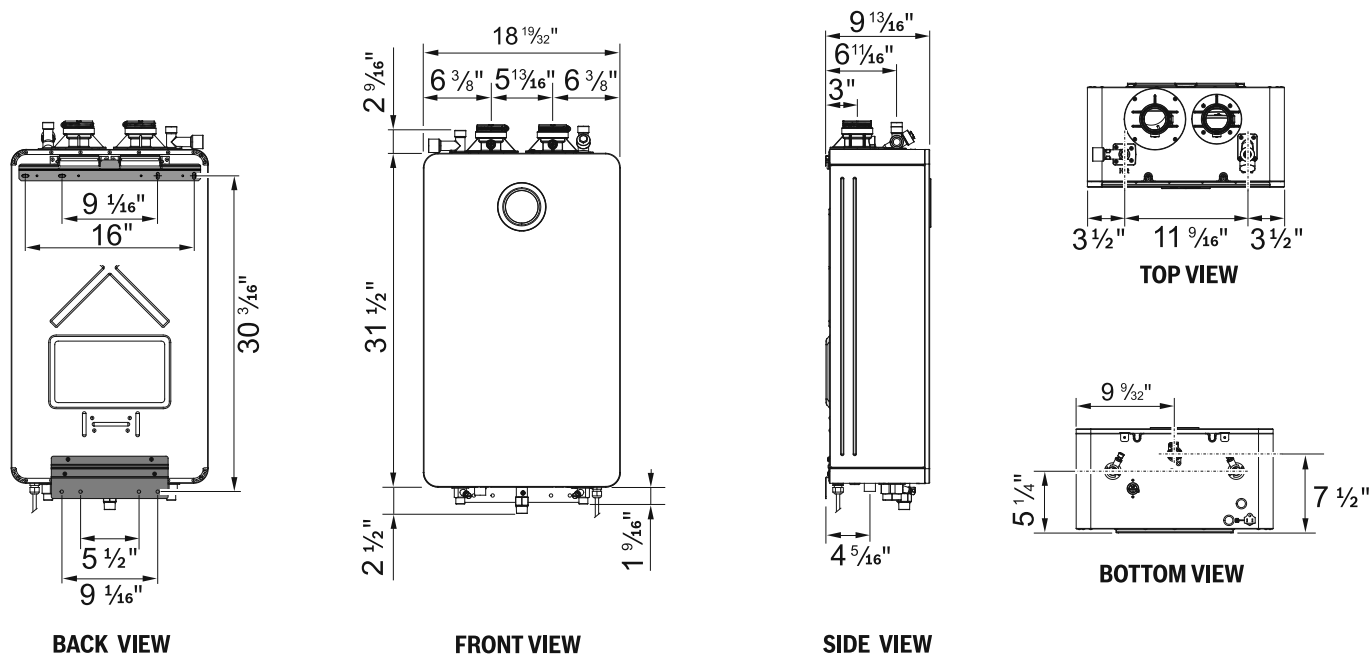
Front, side, top and bottom view measurements in inches.

## Bosch GreenTronic 7000 T

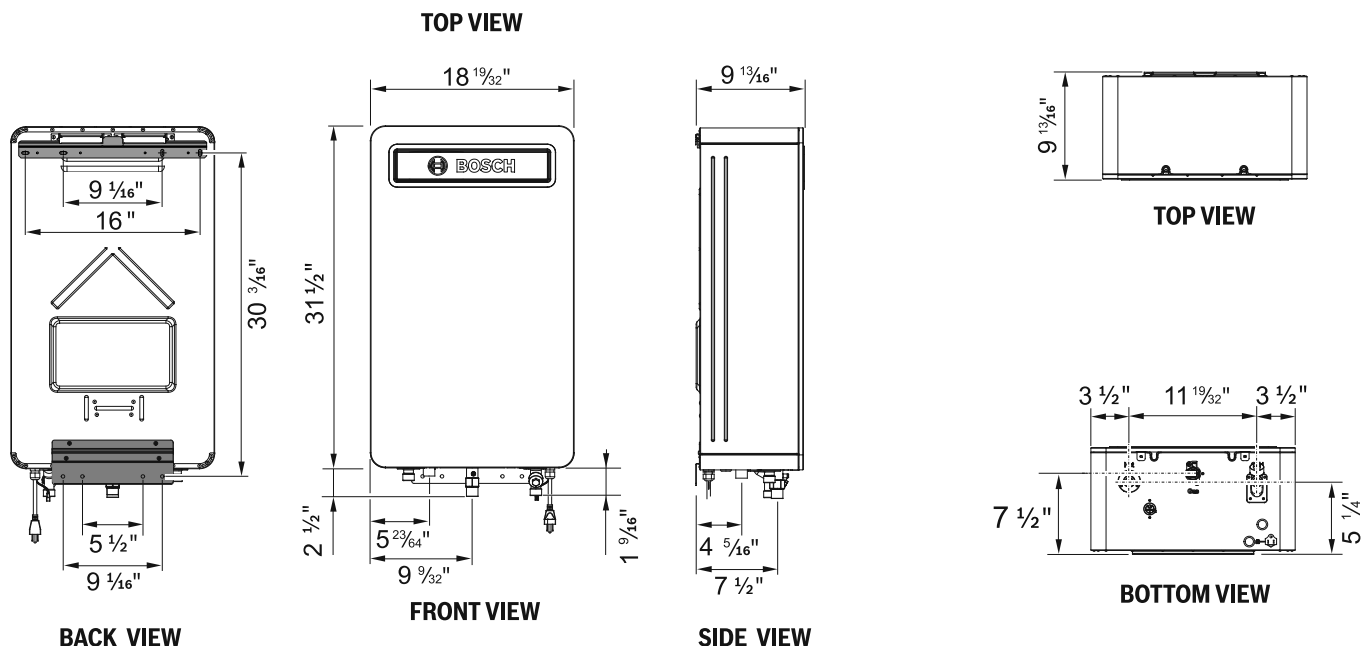


Model Number	Dimensions in inches (floor to)								
	Height A	Diameter BC	Electrical Knockout	Condensate Drain*	T&P Relief Valve	Hot Water Outlet FG	Cold Water Inlet	Drain Valve HJ	Lower Heating Element
TR7000T-50US TR7000T-50CA	66 ½ (169 cm)	21 ¾ (56 cm)	53 ½ (136 cm)	49 ½ (126 cm)	39 ¾ (101 cm)	39 ¾ (101 cm)	5 ½ (14 cm)	5 ½ (14 cm)	14 (36 cm)
TR7000T-80US TR7000T-80CA	74 ½ (190 cm)	25 ¾ (66 cm)	61 ½ (157 cm)	57 ½ (146 cm)	46 ¾ (119 cm)	46 ¾ (119 cm)	5 ½ (14 cm)	5 ½ (14 cm)	12 (31 cm)

## Greentherm 9000 Series Indoor Models

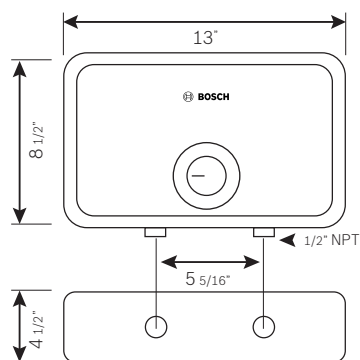


# Greentherm 9000 Series Outdoor Models



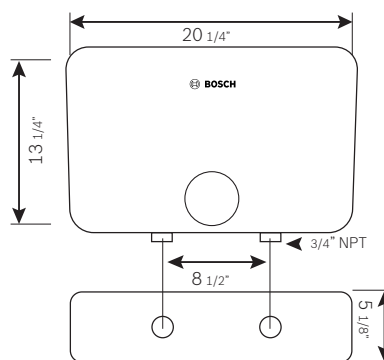
## Tronic 4000 C

Front and top view measurements in inches.



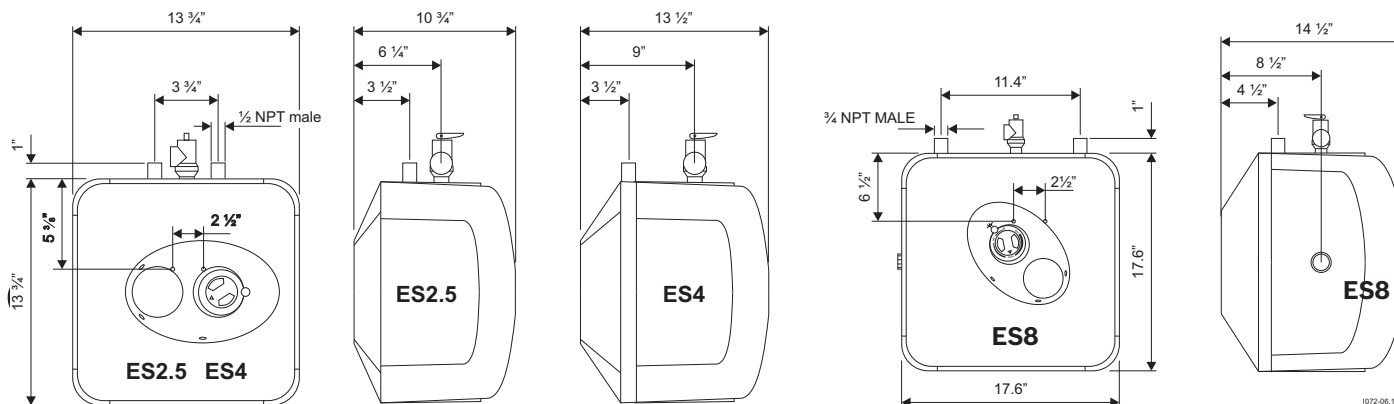
## Tronic 6100 C

Front and top view measurements in inches.



## Tronic 3000T Dimensions and Connections

Vertical Installations



# Bosch Domestic Hot Water Tanks

Product  
Brochure  
Scan or Click



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.

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	VERTICAL SINGLE COIL MODELS				HORIZONTAL SINGLE COIL MODELS		
	S32 (White)	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	8-718573519	8-718573522
USD PRICE	\$2,861	\$4,299	\$4,888	\$7,258	\$4,153	\$4,617	\$6,002
CAD PRICE	\$3,286	\$4,780	\$5,672	\$8,410	\$4,821	\$5,355	\$6,961
Tank Capacity, Potable Volume, gal	30.0	51.3	77.4	98.4	42.6	52.5	76.0
Diameter, in.	21¾		26⅜		25¾		
Height, in.	38⅝	60¼	58⅞	72¼	25¾	25¾	25¾
Length, in.	—				36¾	42¼	57¾
Connection Heat Exchanger Coil, in.	¾	1					
Connection DHW outlet, in.	¾	1					
Connection Cold Water Inlet, in.	¾	1			1¼		
Connection Recirculation, in.	¾						
Approx. Dry Weight, lbs.	160	170	231.5	282	220	247	364
Max. DHW Temperature, °F	203						
Max. DHW Operating Pressure, psi	150						
Max. Heat Exchanger Coil Water Temperature, °F	230	230	230	230	212	212	212
Max. Heat Exchanger Coil Pressure, psi	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 friction loss)	1.9	2.4	2.7	3.8	2.4	2.8	3.2

Vertical Dual Coil Indirect Tanks	SM80 (White)				SM100 (White)			
PART NO.	8-718-541-313				8-718-541-322			
USD PRICE	\$6,891				\$9,706			
CAD PRICE	\$7,717				\$10,878			
Tank Capacity, gal	75.4				96.9			
Diameter, in.	26⅜							
Height, in.	58⅞				72¼			
Connection Heat Exchanger Coil, in.	1							
Connection DHW outlet, in.	1							
Connection Cold Water Inlet, in.	1							
Connection Recirculation, in.	¾							
Approx. Dry Weight, lbs.	260				298			
Max. DHW Temperature, °F	203							
Max. DHW Operating Pressure, psi	150							
Max. Heat Exchanger Coil Water Temperature, °F	230							
Max. Heat Exchanger Coil Pressure, psi	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	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
USD PRICE	\$5,129	\$7,161	\$8,007	\$11,412
CAD PRICE	\$6,072	\$8,474	\$9,478	\$13,509
Tank Capacity, gal	40	67	81.5	113.4
Diameter, in.	20	24	24	28
Height, in.	56	60	70	69
Connection Heat Exchanger Coil, in.	1			
Connection DHW outlet, in.	1	1.5		
Connection Cold Water Inlet, in.	1	1.5		
Approx. Dry Weight, lbs.	105	147	177	213
Max. DHW Temperature, °F	194			
Max. DHW Operating Pressure, psi	150			
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

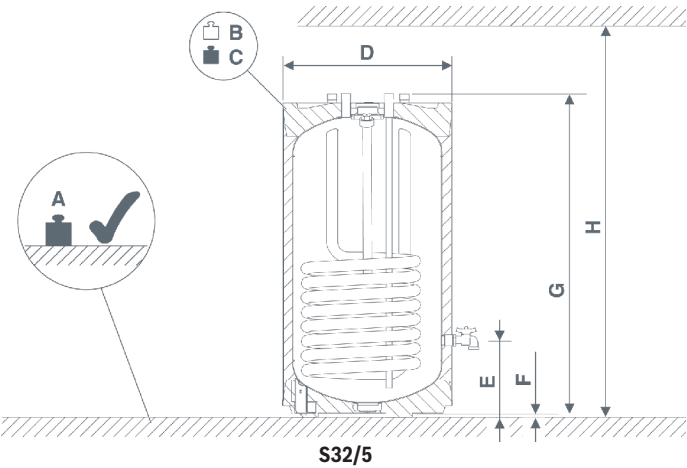
1. All AHRI Certified Ratings are in Purple Boldface Type 2. SM80 & SM100 are UPC, USEC and Low-Lead Certified by IAPMO R & T 3. S32, SU54, SU80, SU100, LT160, LT200, LT300 have UPC and Low-Lead Certification by IAPMO Research & Testing 4. Ratings in BLACK are outside the scope of AHRI-IWH Certification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



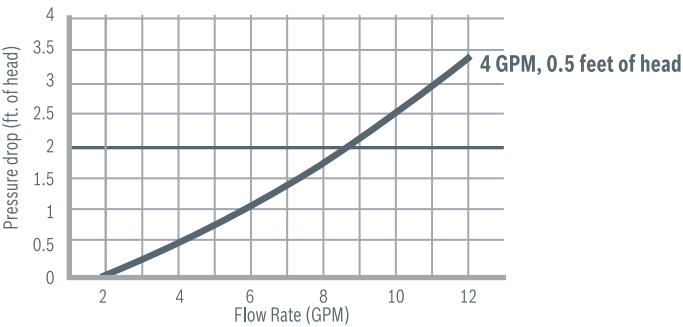
S32/5 Tank Dimensions

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)	21¾ (550)
E	Height of drain valve	inch (mm)	8½ (218)
F	Clearance off floor	inch (mm)	½ (12.5)
G	Height of connections	inch (mm)	38⅝ (980)
H	Minimum room height for anode replacement	inch (mm)	57½ (1460)

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



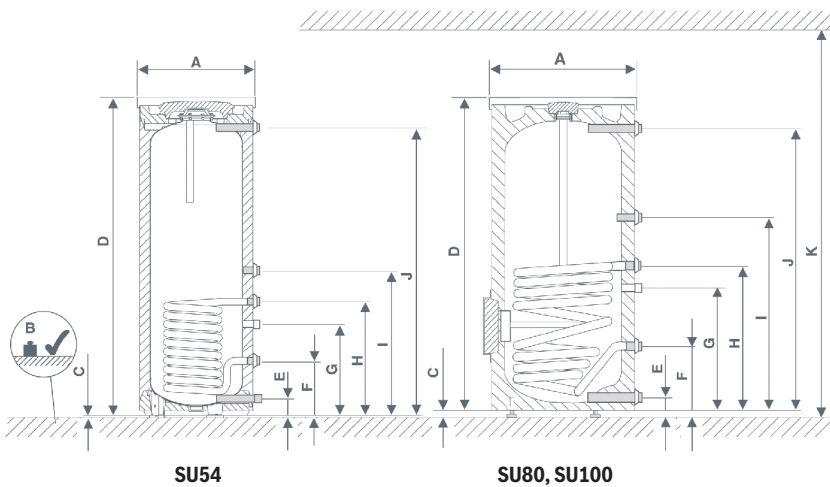
Pressure Drop Curve



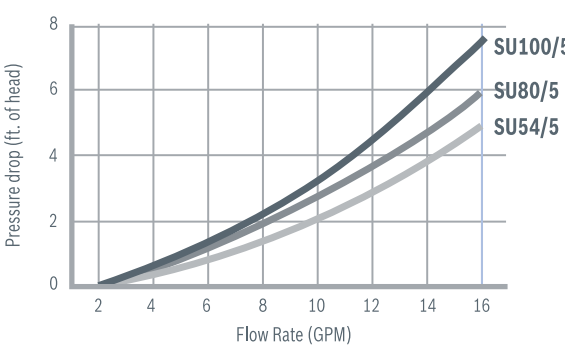
SU54/80/100 Tank Dimensions

ITEM	DESCRIPTION	SU54/5	SU80/5	SU100/5
A	Diameter, in (mm)	21¾ (550)	26⅜ (670)	26⅜ (670)
B	Minimum floor weight carrying capacity, lb (kg)	628 (284)	893 (405)	1122 (509)
C	Clearance off floor, in (mm)	½ (12.5)	⅜ - ¾ (10-20)	⅜ - ¾ (10-20)
D	Overall height in (mm)	60¼ (1530)	57 7/8 (1495)	72¼ (1835)
E	Height, cold water inlet, in (mm)	3¼ (80)	3⅛ (80)	3⅛ (80)
F	Height, tank return, in (mm)	10½ (265)	12½ (318)	12½ (318)
G	Height, sensor well for temperature sensor, in (mm)	17⅞ (433)	24⅜ (617)	31 ⅞ (793)
H	Boiler flow height, in (mm)	21⅞ (553)	28½ (722)	35⅜ (898)
I	Height, recirculation correction, in (mm)	27¼ (703)	35½ (903)	45 (1148)
J	Height, DHW outlet, in (mm)	56¼ (1339)	53⅜ (1355)	66¼ (1695)
K	Minimum room height for anode replacement, in (mm)	74¼ (1880)	72⅞ (1850)	82¼ (2100)

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



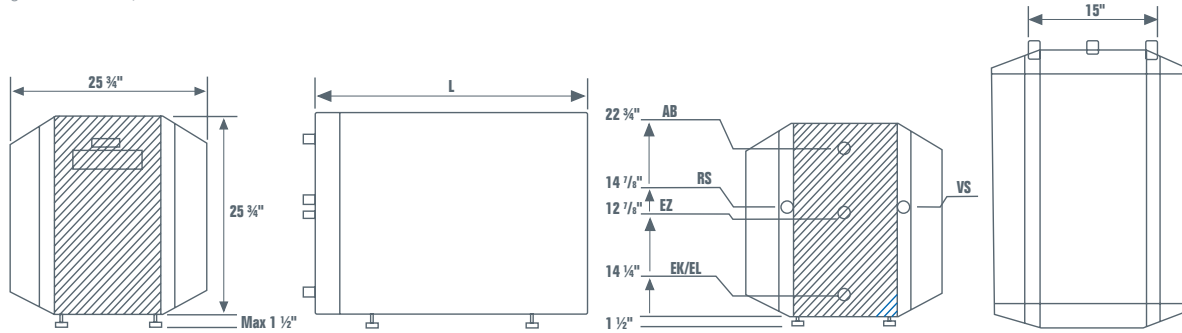
Pressure Drop Curve



## LT Tank Dimensions

ITEM	DESCRIPTION	ALL LT MODELS
AB	DHW Outlet, in	1
EZ	P&T/Recirculation Return, in	$\frac{3}{4}$
VS	Boiler Water Supply, in	1
RS	Boiler Water Return, in	1
EK/EL	Cold Water Feed/ DHW Drain, in	$1\frac{1}{4}$

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

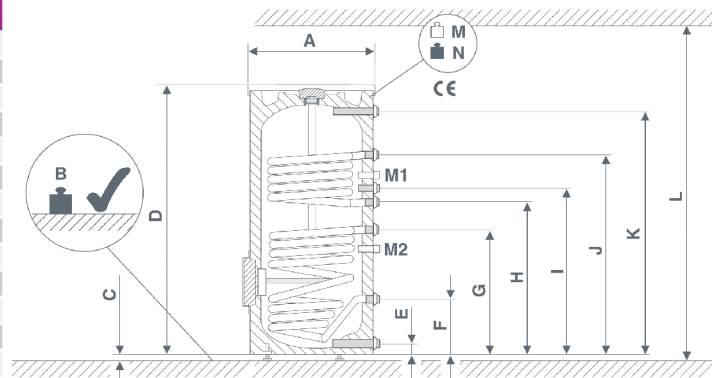
TANK MODELS	USABLE FOR	PART NO.	USD PRICE	CAD PRICE
LT160/200/300	G115WS/3 - G115WS/4	8-738-804-332	<b>\$367</b>	<b>\$528</b>
LT200/300	G115WS/5			
LT160	G215/3 - G215/4	5-261-230	<b>\$132</b>	<b>\$150</b>
LT200	G215/3 - G215/5	5-261-232	<b>\$145</b>	<b>\$164</b>
LT300	G215/3 - G215/6	5-261-234	<b>\$319</b>	<b>\$368</b>

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

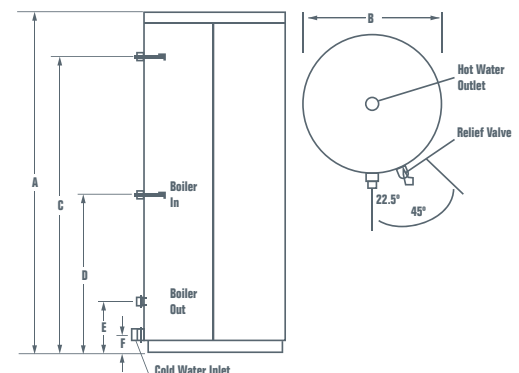
ALL MODELS: Adjustable feet may be exposed by laying tank on its side—consult manual for details.



## 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: $\frac{3}{4}$ " NPT, in	46 $\frac{1}{2}$	52 $\frac{1}{4}$	61 $\frac{1}{4}$	60 $\frac{1}{4}$
D	Boiler In: 1" MPT, in	48 $\frac{1}{2}$	52 $\frac{1}{4}$	61 $\frac{1}{4}$	60 $\frac{1}{4}$
E	Boiler Out: 1" MPT, in	25	28	28	31 $\frac{3}{4}$
F	Cold Water Inlet, °F, in	8 $\frac{3}{4}$	9 $\frac{3}{4}$	9 $\frac{3}{4}$	9 $\frac{3}{4}$

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



# Bosch Connected Control (BCC110 Thermostat)

Product  
Brochure  
Scan or Click



The Bosch Connected Control BCC110 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 EasyAir app or your voice with the Bosch EasyAir 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 schedules



### 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<sup>(1)</sup>

## 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
- ▶ Modes: Heat, Cool, Auto, Em Heat (Heat Pump only), Off
- ▶ Fan Modes: Auto, On, Circulate

## In The Box

- ▶ BCC110 Thermostat
- ▶ Wire Labels
- ▶ BCC110 Wall Plate
- ▶ Screwdriver
- ▶ User Guide
- ▶ Screws & Wall Anchors
- ▶ Video Card
- ▶ Jumper Cable

## Certifications

- ▶ FCC: 2A271-BCC110 (US)
- ▶ IC: 27899-BCC110(CA)

THERMOSTAT MODEL	PART NUMBER	USD PRICE	CAD PRICE
Bosch Connected Control BCC110 Thermostat	7-738-007-442	\$431 <sup>(A)</sup>	\$539 <sup>(A)</sup>

SPARE PARTS	PART NUMBER	LIST PRICE	CAD PRICE
Wall Plate, Screws & Wall Anchors	8-733-948-984	\$33 <sup>(A)</sup>	\$48 <sup>(A)</sup>
Outer Sleeve	8-733-952-996	\$6 <sup>(A)</sup>	\$7 <sup>(A)</sup>

(A) Apply Bosch AC Multiplier

## Bosch EasyAir 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!



# Greenstar and Buderus GB Controls

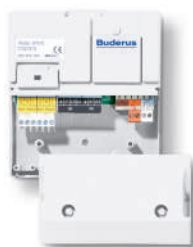
**ICM Cascade Module** for Greenstar Boilers designed to control cascade system – where several smaller boilers are connected in parallel to achieve a higher output. Part # 7719003528

**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



CRC200



MCM10 Multi Cascade Module



ICM Cascade Module

## Logamatic 2107

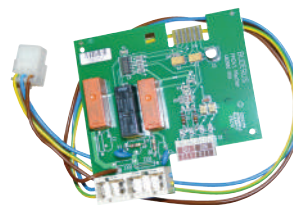
The Logamatic 2107 with outdoor reset capability reduces fuel usage by as much as 30%. By monitoring outdoor as well as indoor temperature (requires BFU), the R2107 maximizes fuel efficiency while delivering unmatched comfort. Space heating, domestic hot water production and programmable setback are 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



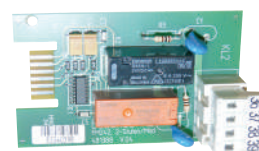
Logamatic 2107

## 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

## Greenstar Gas Condensing, Residential Boiler

DESCRIPTION	PART NO.	USD PRICE	CAD PRICE	GREENSTAR
ICM Cascade Module for Greenstar Boilers	7-719-003-528	\$1,293	\$1,529	✓
Programmable Comfort Room Controller 200 (CRC200)	7-738-111-034	\$312	\$353	✓

## GB162

DESCRIPTION	PART NO.	USD PRICE	CAD PRICE	GB162	GB162 CASCADES
MCM10 Cascade Module	7-746-900-845	\$2,082	\$2,412	✓	✓
EM10 Modulating Control with 0-10v Input Signal	1-835-8	\$637	\$713	✓	✓
Manual Reset Aquastat (200 Max Setpoint)	7-738-001-463	\$382	\$484	✓	
Hydrolevel 550 Low Water Cut-off with Manual Reset	5-50	\$598	\$669		✓

## Residential Oil – G115WS / G215

DESCRIPTION	PART NO.	USD PRICE	CAD PRICE	G115WS	G215
2107 Logamatic Control Includes DHW Package	8-718-573-874	\$2,322	\$2,587	✓	✓
2107 BFU Room Sensor	5-720-724	\$335	\$351	✓	✓
FM 241 Mixing Valve Module for 2107	5-016-598	\$776	\$841	✓	✓
FM 242 2-Stage or Modulating Firing Module for 2107	8-718-585-040	\$331	\$382	✓	✓
Hydrostat Jacket/Wall Mounting Kit	7-738-003-609	\$115	\$130	✓	✓
Hydrostat Outdoor Sensor Kit	7-738-003-610	\$125	\$134	✓	✓
Hydrolevel control (includes sensor & well)	7-738-003-606	\$509	\$537	✓	✓



# 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

### BGH96 Furnace

- ▶ 5 years parts limited warranty, 20 year heat exchanger limited warranty

### Panel Radiators

- ▶ 5 years limited warranty

## Water Heating

### GreenTronic 7000 T

- ▶ 10 year limited warranty, 1 year labor warranty

### Greentherm

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

### Tronic 3000T

- ▶ 6 year limited warranty, 2 years on parts

### Tronic 4000C/6100C

- ▶ 5 year limited warranty, 2 years on parts

### 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

## Controls

### Logamatic Controls

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

### Thermostats

- ▶ BCC110 is 5 year limited warranty
- ▶ All other thermostats; 1 year limited warranty

## Additional Online Warranty Resources

Product Warranty Library

Warranty At A Glance Tool

**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.bosch-homecomfort.us](http://www.bosch-homecomfort.us)**

## Submitting a Warranty Claim

Warranty claims are handled online at **[claims.bosch-homecomfort.us](http://claims.bosch-homecomfort.us)**. 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, open the navigation toolbar, and select the “Claims” menu. Within the “Claims” menu, select either “Warranty Form,” “Damaged Shipment Form,” “Lost Shipment Form,” or “Product Return Form” 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 attach images to the forms in order to provide additional details about the issue(s).

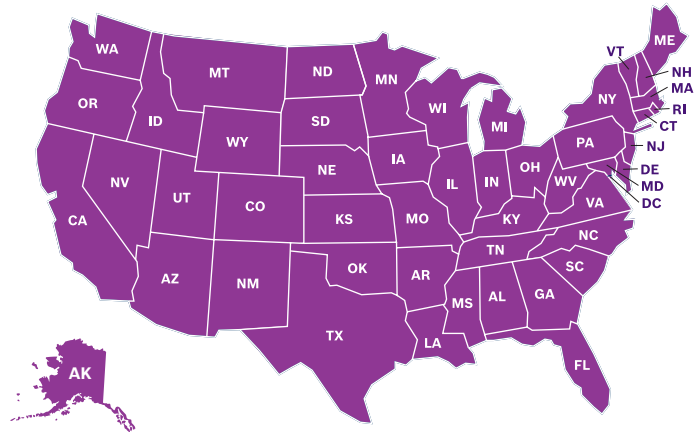
To view the status of submitted claims, log in to <https://claims.bosch-homecomfort.us/> select “Claims Dashboard” within the navigation toolbar. This will open up a dashboard that displays the status of any claim that has been submitted. Each claim type has its own dashboard, or you can search across all claim types in the “All Claims” dashboard. You can use your dashboards to easily sort and search by claim number or relevant keywords, or to view/edit a claim by click the blue “View/Edit” button to see further details about individual claims. Claims in “More Info Needed” status can be updated directly in the claim form, and any changes or correspondence on a claim can be in the “Claim History” section of the claim form. Once completed, all relevant documents can be found in the “View Documents” section of the claim form.

\*For complete warranty details please go to [www.bosch-homecomfort.us](http://www.bosch-homecomfort.us)

# 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 Home Comfort 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.
- ▶ 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)	FLAT RATE SHIPPING			
Shipping Time	Standard*	3rd Day*	2nd Day*	Next Day*
\$4,000	\$302	\$474	\$982	\$1,166
\$7,000	\$389	\$610	\$1,141	\$1,400
\$12,000	\$506	\$770	\$1,254	\$1,633
\$24,000	\$669	\$1,037	\$1,445	\$2,135
\$30,000	\$726	N/A	N/A	N/A
\$42,000	\$771	N/A	N/A	N/A
\$42,001+	FFA	N/A	N/A	N/A

# Overview of USA Standard Terms and Conditions of Sale

A quick overview of Bosch Home Comfort Group ("Bosch") Standard Terms & Conditions of Sale ("Terms of Sale") can be found below. Please refer to our website: [www.bosch-homecomfort.com](http://www.bosch-homecomfort.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 to 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

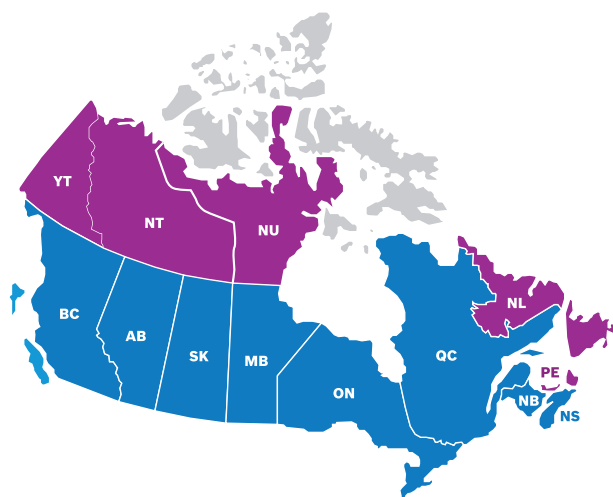
5.1 EXCEPT AS EXPRESSLY PROVIDED IN THE TERMS OF SALE, BOSCH MAKES NO OTHER WARRANTY OR REPRESENTATION TO CUSTOMER, EITHER EXPRESS OR IMPLIED, AND TO THE FULLEST EXTENT PERMITTED BY LAW, BOSCH SPECIFICALLY AND EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR 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.

# Canada 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.
- ▶ 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 (CAD)	ZONE 1	ZONE 2
Shipping Time	Standard	Standard
\$5,000	\$410	\$582
\$10,000	\$615	\$777
\$17,000	\$931	\$1,076
\$32,000	\$1,078	\$1,232
\$41,000	\$1,225	\$1,388
\$56,000	\$1,402	\$1,538
\$65,000	\$1,600	\$1,645
\$73,000	FFA	\$1,782
\$82,000+	FFA	FFA

# Overview of Canada 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 to 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 Inquiry WebForm

[www.bosch-homecomfort.com/us/en/residential/service/contact-customer-service/general-product-info-inquiries/](http://www.bosch-homecomfort.com/us/en/residential/service/contact-customer-service/general-product-info-inquiries/)

## Customer Service E-mail Address

[residential.salessupport@us.bosch.com](mailto:residential.salessupport@us.bosch.com)

[commercial.salessupport@us.bosch.com](mailto:commercial.salessupport@us.bosch.com)

## Technical Support E-mail Addresses

AC: [ac.techsupport@us.bosch.com](mailto:ac.techsupport@us.bosch.com)

Furnace: [furnace.techsupport@us.bosch.com](mailto:furnace.techsupport@us.bosch.com)

Boiler: [boiler.techsupport@us.bosch.com](mailto:boiler.techsupport@us.bosch.com)

Tankless: [tankless.techsupport@us.bosch.com](mailto:tankless.techsupport@us.bosch.com)

## Aftermarket Resource Center

Part Number Lookup Tool: [spareparts.bosch-climate.us/eRep/parts/search/parts?ModeSelected=1](http://spareparts.bosch-climate.us/eRep/parts/search/parts?ModeSelected=1)

Pricing & Availability Tool: [spareparts.bosch-climate.us/eRep/parts/search/parts?ModeSelected=2](http://spareparts.bosch-climate.us/eRep/parts/search/parts?ModeSelected=2)

Warranty At A Glance Tool: [spareparts.bosch-climate.us/eRep/parts/search/parts?ModeSelected=3](http://spareparts.bosch-climate.us/eRep/parts/search/parts?ModeSelected=3)

## Parts Orders or Parts Inquiries E-mail Address

[parts.salessupport@us.bosch.com](mailto:parts.salessupport@us.bosch.com)

## Warranty & Returns Support E-mail Address

[warranty\\_returns@us.bosch.com](mailto:warranty_returns@us.bosch.com)

## Addresses

65 Grove Street, Watertown, MA 02472

555 NW 65th Court, Fort Lauderdale, FL 33309

50 Wentworth Avenue, Londonderry, NH 03053

## Contractor Website

[bosch-homecomfort.com/us/pro](http://bosch-homecomfort.com/us/pro)

[bosch-homecomfort.com/ca/pro](http://bosch-homecomfort.com/ca/pro)

## Social

[youtube.com/boschheatingcooling](https://youtube.com/boschheatingcooling)

[facebook.com/boschheatingcooling](https://facebook.com/boschheatingcooling)

[instagram.com/boschhvac](https://instagram.com/boschhvac)



# Bosch Home Comfort Group

We invent sustainable heating, cooling and well-being solutions – for a smarter and better life.

## Bookmark Our Service & Support Overview Page

We all need a little help sometimes, and with that in mind this online directory page is there to give you immediate 24/7 access to all of our product information and self-help 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

**[www.bosch-homecomfort.com/us/en/residential/service/](http://www.bosch-homecomfort.com/us/en/residential/service/)**



Scan QR  
With Mobile Device



# Grow Your Business With Bosch



Home Comfort PRO



At Bosch Home Comfort, we are committed to supporting our installers 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 Professional dealers to gain access to rewards, exclusive sales and marketing tools, technical support, and more.



## New Digital Platform

Improved UI & Mobile App



## Product Registration

Incentives for product registration



## Dealer Locator

Minimum turnover requirement



## Extended Warranty

1yr parts for all Platinum Home Comfort PROs



## Partner Shop

Exchange points for apparel, marketing materials & more

## Home Comfort PRO Benefits

- ▶ Manage your company registrations
- ▶ Access to Bosch current & exclusive promotions
- ▶ Lead generation
- ▶ Rally annual growth incentive
- ▶ Access to technical documentation
- ▶ Access to Bosch product brochures
- ▶ Access to dedicated support line
- ▶ Access partner shop for redeeming points

## Register for your FREE Account!

Join the Bosch Home Comfort Program by scanning the QR below



URL: [scnv.io/NfCc](https://scnv.io/NfCc)



Note: Benefits are not valid for commercial products and installations.

# About Bosch

## **Bosch Home Comfort Group in North America**

Bosch Home Comfort Group is a leading source of high quality water heating and comfort systems. The company offers gas tankless, electric whole house and point-of-use water heaters, Bosch and Buderus floor-standing and wall mounted boilers, Bosch and FHP geothermal, water-source and air-source systems as well as controls and accessories for all product lines. Bosch Home Comfort is committed to being Simply Smart by offering products that work together as integrated systems that enhance quality of life in an ultra-efficient and environmentally friendly manner. For more information, visit [bosch-homecomfort.us](http://bosch-homecomfort.us).

## **Bosch Group**

The Bosch Group is a leading global supplier of technology and services in the areas of Automotive, Industrial Technology, Consumer Goods and Building Technology. The company was founded in Stuttgart, Germany, in 1886 and presently has more than 440 subsidiaries and is represented in over 150 countries.

In the U.S., Canada and Mexico, the Bosch Group manufactures and markets automotive original equipment and aftermarket solutions, industrial drives and control technology, power tools, security and communication systems, packaging technology, home comfort solutions, household appliances and software solutions. The Bosch Group's products and services are designed to improving quality of life by providing innovative and beneficial solutions. In this way, the company offers technology worldwide that is Invented for life. Additional information is available online at [www.bosch.com](http://www.bosch.com)



## **Bosch Home Comfort Group**

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

General Inquiries: 1-866-642-3198

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[www.bosch-homecomfort.us](http://www.bosch-homecomfort.us)