

Press Release



Bosch Thermotechnology Corp. Reveals Energy-Efficient Product Portfolio for 2019 AHR Expo

- ▶ Bosch's first-ever non-condensing BGS80 gas furnace has a four-way multipoise design, ensuring simplified installation
- ▶ New Energy Star BGH96 condensing furnace offers up to 96 percent AFUE heating efficiency
- ▶ Inverter Ducted Split 2.0 offers up to 20.5 SEER and 10.5 HSPF
- ▶ Upgraded SM Rev C geothermal heat pump features a new heat pump control board that can communicate with the new Bosch EasyStart app
- ▶ Bosch Connected Control BCC50 Thermostat uses an app to remotely control thermostat settings and HVAC equipment

Atlanta, AHR Expo Booth B3361 – [Bosch Thermotechnology Corp.](#) will showcase a comprehensive lineup of innovative, sustainable products for heating, hot water and air conditioning at AHR 2019 from Jan. 14-16, 2019, in Atlanta.

Heating and Hot Water

The Bosch BGS80 Gas Furnace is the company's first non-condensing gas furnace, designed to deliver up to 80 percent annualized fuel utilization efficiency (AFUE). The cabinet's compact, 33.75-inch height and four-way multipoise design make it an ideal replacement for aging non-condensing furnaces. The BGS80 can integrate with the Bosch Inverter Ducted Split (IDS) outdoor unit and cased coils for a complete residential heating and cooling system.

The Bosch BGH96 Gas Furnace is Bosch's first condensing furnace. This Energy Star-rated furnace offers a two-stage valve that switches between high- and low-fire settings for added comfort and up to 96 percent AFUE, lowering homeowners' energy bills. Its three-way multipoise design creates flexibility in multiple types of installations, and a fully insulated, anti-rust cabinet minimizes indoor noise levels, while multi-speed electronically commutated motors (ECMs) offer quiet and efficient operation. The BGH96 can integrate with Bosch's IDS outdoor unit and cased coils for a highly efficient dual heating and cooling system.

The Bosch Greentherm 9000 Series of tankless water heaters offers nine models for high-efficiency domestic hot water in residential or commercial applications. The Greentherm 9000 Series delivers endless hot water on demand and features a Uniform Energy Factor of up to

0.96,- Wi-Fi connectivity and an integral recirculating pump. Top-mounted water connections¹ make converting a tank-type water heater easier, faster and more efficient for the installer, and more comfortable and efficient for the owner.

¹Optional on specific models

The Bosch Climate 6000 AH Commercial Air Handler comes in 15 horizontal models, ranging from 800-38,000 cubic feet per minute (CFM), and six vertical models, ranging from 800-4,000 CFM. Heating and cooling coils are available as hydronic or direct expansion (DX). The defining feature of the air handler is an innovative cabinet design suitable for both indoor and outdoor installation. The cabinet's two-inch double wall panels are manufactured using steel sheets coated with polyurethane that pass over heated rollers to ensure a consistently distributed foam insulation. This provides a truly uniform sandwich-type R-13 insulation with improved rigidity, reducing vibration and added sound attenuation, with the panels situated on a framework of extruded aluminum structural supports. Whether your application requires an indoor return air handler or an outside air conditioning unit, or incorporates a heat recovery module, the Bosch Climate 6000 AH provides a cost-effective solution, with best-in-class lead times.

Residential Heat Pump Systems

The Bosch Inverter Ducted Split 2.0 is Bosch's premium air-source heat pump. With up to 20.5 seasonal energy efficiency ratio (SEER), this heat pump offers a full Energy Star*-compliant product range. The accompanying air handler includes an x13 ECM blower with two-stage fan control for enhanced dehumidification, and an all-aluminum coil for superior corrosion resistance. With 10.5 heating seasonal performance factor (HSPF) and heating operation down to four degrees below zero, this heat pump offers highly efficient operation, even in cold-climate applications. The Bosch IDS 2.0 outdoor unit can integrate with Bosch's 96 percent gas furnace and cased coils for an exceptionally efficient dual heating and cooling system.

** Pending, product will be Energy Star certified upon product release.*

The Bosch SM REV C Geothermal Heat Pump is an upgraded model in the Greensource CDI series. The most noteworthy innovation is its new heat pump control board, which can communicate with the new Bosch EasyStart app, downloadable from the App Store or Google Play. Contractors now can troubleshoot the unit using "Test Mode," which sets the system to run a troubleshooting sequence. Contractors also can commission the unit by configuring up to 24 optional settings for customizable comfort. With the app's real-time feedback, contractors can view the live status of components and system temperature readings to aid in start-up, troubleshooting and diagnostics. Through the Bosch EasyStart app and the local Wireless Interface Module, technicians no longer need to open the physical unit to configure it using DIP switches.

The Bosch Climate 5000 Ductless Minisplit Heat Pump Systems are ideal for residential heating and cooling up to 48,000 Btuh and are available for single- or multi-zone applications.

These minisplit systems offer quiet comfort, with an indoor sound level as low as 20dBA in “silent mode,” and a SEER rating of up to 22, far exceeding the U.S. Environmental Protection Agency requirement of at least 14 SEER for minisplit systems. The multi-zone systems enable one condensing section to be paired with any combination of single-zone air handlers.

Residential/Commercial Boilers

The Bosch Greenstar Gas Condensing Boilers deliver space and domestic hot water heating with unsurpassed performance and control. Each fully modulating unit features an American Society of Mechanical Engineers-approved Al-Si heat exchanger, which offers more flexibility than traditional stainless steel. Greenstar wall-mounted and floor-standing boilers (both heat-only and combi models) achieve Energy Star Most Efficient ratings of 95 percent. Since 2001, Bosch has sold more than two million Greenstar units worldwide.

The Buderus SSB Industrial Boilers come in eight models in four separate cabinet sizes, with inputs ranging from 800MBH up to 8192MBH*. They are suitable for use in facilities of all sizes, from small studio units to commercial buildings. Each SSB Industrial Boiler has two fully independent heat exchangers that can be operated individually if necessary. Designed to control central heat and domestic hot water, the SSB works with multiple building communication options, including Modbus, BACnet and LonWorks.

**8192MBH is possible by connecting the communication cable between two sets of SSB1000TL4*

Controls

The Bosch Connected Control BCC50 Thermostat is a sleek, affordable, internet-connected thermostat. It is compatible with the majority of 24VAC heating and cooling equipment, as well as smart-device compatible with Google Assistant or Alexa. With the Bosch Connected Control App, users can control thermostat settings remotely and adjust schedules on the go, or set it to vacation mode to save energy while away. Users also can receive alerts when it's time to replace the system's air filter. The BCC50 can be programmed to control up to three stages of heating and two stages of cooling for heat pump systems. For conventional systems, it can be programmed for up to two stages of heating and two stages of cooling with natural gas, propane or electric warm-air furnaces combined with traditional air conditioning units. The thermostat's intuitive interface features five brightly illuminated touch buttons and a color screen for simple control.

The Bosch Connected Control BCC100 is a full-color, five-inch Wi-Fi thermostat control that is compatible with most 24VAC heating/cooling system manufacturers. It can be programmed to control up to four stages of heating and two stages of cooling for heat pump systems. For conventional systems, it can be programmed for up to two stages of heating and two stages of cooling, with natural gas, propane or electric warm-air furnaces combined with traditional air conditioning units. The thermostat has a dedicated terminal to provide humidifying or dehumidifying. It also can connect to the home's wireless network to allow remote monitoring and control of HVAC equipment while providing local weather information, viewable on the thermostat. Its intuitive scheduling menu helps maintain the most comfortable environment. Its

color touchscreen is easy to use, and users can download a free Bosch mobile app to control their home's HVAC system from any compatible iOS and Android device.

About Bosch Thermotechnology Corp.

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

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

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

For more information, visit www.boschheatingandcooling.com

About Bosch

Having established a regional presence in 1906 in North America, the Bosch Group employs nearly 34,500 associates in more than 100 locations, as of December 31, 2017. In 2017, Bosch generated consolidated sales of \$13.7 billion in the U.S., Canada and Mexico. For more information, visit www.boschusa.com, www.bosch.com.mx and www.bosch.ca.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 402,000 associates worldwide (as of December 31, 2017). The company generated sales of \$88.2 billion in 2017. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT company, Bosch offers innovative solutions for smart homes, smart cities, connected mobility and connected manufacturing. 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 comprises Robert Bosch GmbH and its roughly 440 subsidiaries and regional companies in 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. At 125 locations across the globe, Bosch employs roughly 64,500 associates in research and development.

The Bosch Group's strategic objective is to create solutions for a connected life. 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."

Additional information is available online at www.bosch.com, www.bosch-press.com, <http://twitter.com/BoschPresse>.

Exchange rate: 1 EUR = \$1.1069

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