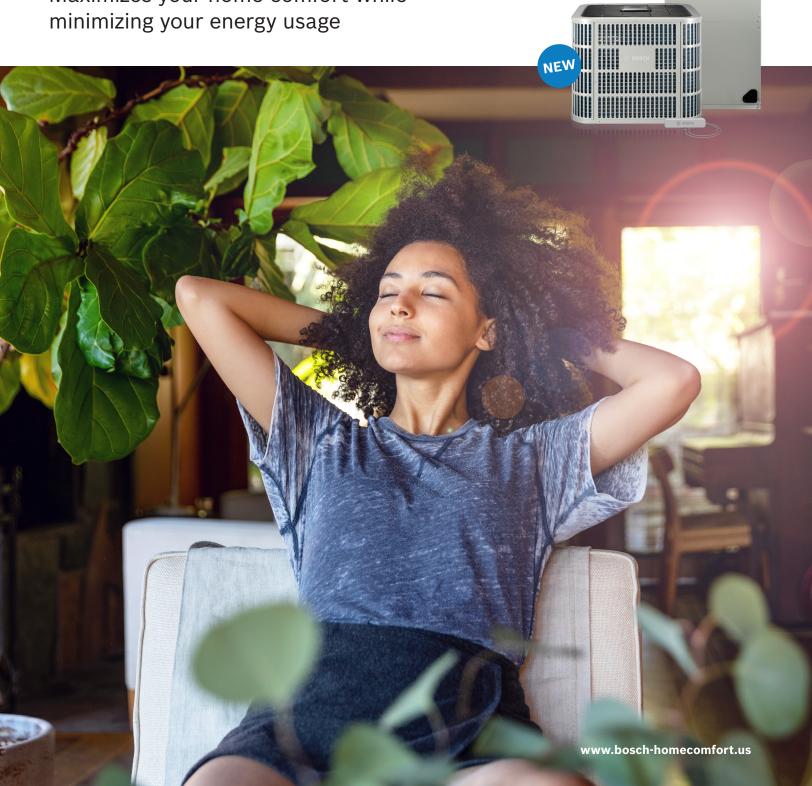


# **Bosch IDS Premium Connected**

Maximizes your home comfort while





## **Bosch IDS Premium Connected**

The Bosch Inverter Ducted Premium Connected provides supremely-efficient comfort by adjusting compressor capacity. With enhanced humidity control and higher efficiency, the performance of the Bosch IDS Family provides you with maximum comfort with minimal energy usage. Our system's intelligent features work in tandem with your thermostat to automatically adjust to your preferences, while integrated sound dampening features keep the equipment quiet for your peace of mind. Equipped with R-454B refrigerant, the IDS Premium Connected meets the criteria for a lower global warming potential (GWP) A2L refrigerant.

#### **Features**

- ▶ Up to 20 SEER2 I 9.5 HSPF2
- Fully-modulating inverter drive
- Sound levels as low as 60 dBA
- ▶ 4 Air handlers 2, 3, 4, 5 Ton
- 2 Condensing units 3, 5 Ton
- Compatible with most 24 VAC thermostats
- Optional communication between IDU and ODU
- Bosch engineering & quality
- Designed and tested to Bosch standards
- 10-year residential limited warranty§
- Qualify for maximum energy rebates and save the most on energy costs with our IDS Premium Connected.
- This system combines our top tier BOVA20 outdoor unit with our exceptional BIVA20 two stage constant torque ECM style air handler.
- Features wireless connectivity<sup>(1)(2)</sup>
- The Bosch EasyAir app enables in-app product registration, simplifies installation and troubleshooting, and allows remote monitoring of energy usage as well as critical alerts.

#### **Installer Friendly**

- Designed for easy installation
- ► Intuitive controls
- Support readily available
- Spare parts readily available
- Easy to maintain and service
- On-board diagnostics



NEW

# Why Choose A Bosch IDS System

#### **Quiet Comfort Achieved**

Through the use of silent blade technology, sound isolating mounts and outdoor condensing section placement - this IDS system can deliver outdoor sound levels as low as 60 dBA - which is far superior to any standard system on the market.

#### **Consume Only the Energy You Need**

Modulating inverter systems deliver only the amount of hot or cool air needed to achieve the desired temperature – no more, no less.

## **Energy Use is Even and Steady**

The frequent on and off of traditional units creates an in-rush current surge which uses more energy and causes unneeded wear and tear on your system. The Bosch inverter system smoothly ramps up operation, avoiding spikes in energy use and protecting the system's life-cycle.

### **Fast Response**

The boosted compressor speed of inverter systems allows for quicker, smoother and more efficient heating and cooling.

## Residential Limited Warranty§

Receive up to 10 years protection on parts and up to 2 years on gateway connectivity components. This standard offering covers all components incorporated 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.

#### Premium Connected HVAC Solution(1)(2)

Featuring wireless connectivity as well as in-app warranty registration, installation, and troubleshooting, the IDS Premium Connected provides an interactive Internet of Things (IoT) platform for contractors and homeowners. Connected features available through the Bosch EasyAir app include:

#### **Remote Monitoring**

Allows contractors and homeowners to monitor data for their unit even without a communicating thermostat.

#### **Bosch EasyAir App**

Contractors can easily access the information they need to conduct on-site installation, troubleshooting, and warranty registration.





# Contractor Troubleshooting Made Easy<sup>(1)(2)</sup>



The Bosch EasyAir App is your one-stop shop for troubleshooting the IDS Premium Connected. With just a few swipes on your phone, you can easily access information about installation, warranty registration, and monitor the unit remotely.

## **Remote Monitoring & Troubleshooting**

Monitor the heat pump's health and visualize real time alerts remotely. View fault codes, live check point values and calculate superheat and subcool values that will help installing the heat pump and troubleshooting faults quickly.

## **Get Notified on Systems Faults**

Receive alerts on your phone right away about unit errors, warnings, and other important updates.

## **Manage Your Technicians**

As the owner of the company or an office admin that dispatches technicians, you can add installers/technicians to your company profile and manage which homeowner units they can access.

## **Warranty Registration**

Quickly & efficiently register products for warranty at the click of a button in the EasyAir app. All serial numbers of registrable products can be scanned via the app for quick & easy job site product registration. The App enables multiple employees within a company to register products on the go.

# Homeowners, Monitor Your Energy Usage<sup>(1)(2)</sup>



Bosch EasyAir helps you to monitor your heat pumps energy usage during those hot summer months or cold winter nights. Through the app, you can receive critical alerts directly to your phone and have your contractor information handy to get you up and running as quickly as possible.

## **Monitor Energy Usage**

Track your monthly energy use. Read tips on how to improve efficiency and save energy.

#### **Get Notified on Alerts**

Get notified about warnings and alerts regarding your heat pump through the app.

## **Get Help Faster**

Give remote access to your contractor to get your issue fixed as quickly as possible. Contractor and warranty information is also available through this app.







Scan QR with Smartphone to Download App

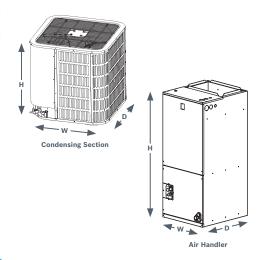


# **IDS Premium Connected System & Technical Information**

IDS PREMIUM CONNECTED BOVA20 + BIVA20 AHRI 210/240 - 2023 PERFORMANCE DATA									
OUTDOOR UNIT	INDOOR AIR HANDLER	COOL	ING CAPACITY (E	вти/н)	HEATING CAPACITY (BTU/H)				
MODEL	MODEL	TOTAL	EER2 <sup>(3)</sup>	SEER2(4)	HI	HSPF2 <sup>(5)</sup>	LOW		
₩ BOVA-36RTB-M20S	BIVA-24RCB-M20X	24000	13	20	24000	9.5	22400		
₩ BOVA-36RTB-M20S	BIVA-36RCB-M20X	34200	12	19	34200	9.5	28000		
₩ BOVA-60RTB-M20S	BIVA-48RCB-M20X	47000	12	18.5	48000	9.5	40000		
₩ BOVA-60RTB-M20S	BIVA-60RCB-M20X	52000	11.7	18	55000	9.5	44000		

Blue Text = ENERGY STAR Certified V6.1. \$ = ENERGY STAR V6.1 Cold Climate and ENERGY STAR V6.1 certified. (3) Energy Efficiency Ratio; Certified per AHRI 210/240. (4) Seasonal Energy Efficiency Ratio; Certified per AHRI 210/240. Note: Always check the rating plate for electrical data on the unit being installed. The listed data is for reference only. Please consult www.bosch-homecomfort.us for further details.  $\diamondsuit$  Visit www.bosch-homecomfort.us to find the available efficiency rebates in your area.

IDS PREMIUM CONNECTED DESCRIPTION & DIMENSIONS										
MODEL NUMBER	DESCRIPTION	PART NUMBER	WIDTH (W)	HEIGHT (H)	DEPTH (D)					
BOVA20 OUTDOOR CONDENSING SECTION										
BOVA-36RTB-M20S	36 kBTU/hr (3 ton)	8733965410	29.125	24.9375	29.125					
BOVA-60RTB-M20S	60 kBTU/hr (5 ton)	8733965411	29.125	33.1875	29.125					
	BIVA20 INI	DOOR AIR HAND	LER							
BIVA-24RCB-M20X	24 kBTU/hr (2 ton)	8733965415	19.625	46.5	21.625					
BIVA-36RCB-M20X	36 kBTU/hr (3 ton)	8733965416	19.625	46.5	21.625					
BIVA-48RCB-M20X	48 kBTU/hr (4 ton)	8733965417	22.0	54.5	24.0					
BIVA-60RCB-M20X	60 kBTU/hr (5 ton)	8733965418	22.0	54.5	24.0					



		OUTDOOR UNIT
IDS	PORTFOLIO PAIRING	PREMIUM CONNECTED (BOVA20)
<u> </u>	BIVA20	$\checkmark$
Indoor	Cased Coil Only	$\checkmark$
= -	BGH96 + Cased Coil	$\checkmark$

## **IDS Portfolio Pairing**

Refer to the chart on the left for product combination availability.

IDS FAMILY FIELD INSTALLED ELECTRIC HEAT KITS							
MODEL NUMBER	PART NUMBER	DESCRIPTION					
EHK-05C	8733977739	5 kW Electric Strip Heater					
EHK-08C	8733977740	7.5 kW Electric Strip Heater					
EHK-10C	8733977741	10 kW Electric Strip Heater					
EHK-15C	8733977742	15 kW Electric Strip Heater					
EHK-20C	8733977743	20 kW Electric Strip Heater					



A2L ACCESSORY BOX						
PART NUMBER	DESCRIPTION					
8733967005	A2L Accessory Box					

#### **A2L ACCESSORY BOX**

The A2L accessory Box is required when pairing the Bosch Low GWP Cased Coil with a 3rd party Furnace.

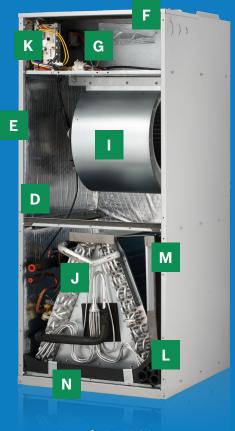
# IDS Components Features & Benefits



What is Inverter Technology?
Scan to Watch Video



**Bosch BOVA20**High-Efficiency Outdoor Inverter Condenser



**Bosch BIVA20** 

High-Efficiency & Reliable Indoor Air Handler

- Intelligent control features help adjust the output capacity, allowing the unit to keep the temperature at your desired level without fluctuation and to keep humidity in check during the summer months. Whether it be summer or winter, the system keeps your home comfortable and the living conditions to your desired taste.
- The high-efficiency variable capacity inverter compressor in the condensers can adjust to speeds ranging from 35% to 138% (in 1% increments) to perfectly cool and heat your home using minimal energy for maximum comfort.
- Featuring wireless connectivity as well as inapp warranty registration, installation, and troubleshooting, the IDS Premium Connected provides an interactive Internet of Things (IoT) platform for contractors and homeowners.

The IDS Premium Connected enables connectivity features while offering the same performance and comfort as the existing model. (1)(2)

Material – Foil-faced insulation material on the inner walls decreases energy loss and reduces condensation.

- Cabinets Painted galvanized steel cabinet is salt spray tested for improved durability and corrosion-resistance.
- G Electric Heat Can accommodate electric heat with no modification to the cabinet for additional heat on-demand when you need it most.
- Two-stage ECM motor in the Bosch BIVA20 Indoor blower stages up and down to provide enhanced comfort, energy savings, and superior humidity control.
- All-Aluminum Coil With excellent heat transfer, efficiency, and humidity removal, the A-coil is more durable and has a lower chance of refrigerant leakage compared to typical copper coils.
- Control Board Box A dedicated slot for the control board protects it from humidity in the airstream and extends its lifetime.
- Integrated Drain Pan Made from corrosion-resistant composite material, gently sloped to reduce standing water.
- M Drain Pan Flexibility for VT or HZ applications.
- N Filter Rack Change to factory installed, provides convenience for field installation and serviceability.



# **Bosch IDS Dual Fuel Provides Optimal Comfort Every Season!**

An Ideal Solution to Maximize Comfort & Efficiency

Bosch offers a complete dual fuel heating and cooling system for your home. Dual fuel systems are the ideal solution to maximize comfort and efficiency. In the summer, the Bosch IDS efficiently cools and dehumidifies your home. 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.





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



# A

#### BOVA20 Outdoor Unit\*

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





#### Bosch BGH96 96% Furnace<sup>\*</sup>

The BGH96 Gas Furnace offers up to 96% efficiency, a two-stage gas valve, and a multi-speed blower and a blower built with constant air flow technology. This ENERGY STAR rated furnace offers premium comfort and energy savings, it is the perfect solution to efficiently heat your home. Compatible with R454B heat pump systems.





# Bosch BMAC Cased Coil\*

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



# D

# Bosch BCC110 Wi-fi Thermostat\*

The BCC110 is a sleek, internet-connected thermostat that offers easy all-in-one control for your heating and cooling systems. It can be controlled using the Bosch EasyAir app and is compatible with most 24VAC HVAC equipment on the market.

# Why Choose Bosch Dual Fuel?

## **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, BMAC cased coil, 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.

## **Savings**

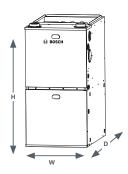
Homeowners will see the savings on their energy consumption by converting up to 96% of the fuel purchased to heat their home. The furnace's two-stage gas valve switches between high and low fire settings, allowing enhanced comfort and more efficient operation than single stage technology.

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

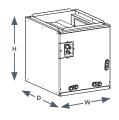
With the residential limited warranty, you receive peace-of-mind knowing you will receive replacement parts protection for up to 5 years and up to 20 years on the heat exchanger. This offering covers all components incorporated into the BGH96 Furnace at the time of manufacture. All other components or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

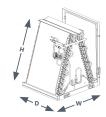


# **Dual Fuel System & Technical Information**



BGH96 FURNACE DIMENSIONS <sup>D</sup>									
MODEL NUMBER	PART NUMBER	WIDTH (W)	HEIGHT (H)	DEPTH (D)					
BGH96M060B3C	8733965433	17.5							
BGH96M080B3C	8733965434	17.5							
BGH96M080C4C	8733965435	21	33-3/4	28-1/2					
BGH96M100C5C	8733965436	21	33-3/4	20-1/2					
BGH96M100D5C	8733965437	24.5							
BGH96M120D5C	8733965438	24.5							





BMAC CASED COIL DIMENSIONS <sup>D</sup>			CASED		UNCASED			
MODEL NUMBER	PART NUMBER	WIDTH (W)	HEIGHT (H)	DEPTH (D)	WIDTH (W)	HEIGHT (H)	DEPTH (D)	
BMAC2430ABTA	8733965423	14.5	20.0	21.0	13.375	15.625	20.5	
BMAC2430BBTA	8733965424	17.5	20.0	21.0	16.375	15.375	20.5	
BMAC3036ABTA	8733965425	14.5	20.0	21.0	13.375	15.625	20.5	
BMAC3036BBTA	8733965426	17.5	20.0	21.0	16.375	15.375	20.5	
BMAC3036CBTA	8733965427	21.0	20.0	21.0	19.875	15.25	20.5	
BMAC4248BBTA	8733965428	17.5	30.0	21.0	16.375	26.88	21.0	
BMAC4248CBTA	8733965429	21.0	30.0	21.0	19.875	26.8	21.0	
BMAC4248DBTA	8733965430	24.5	30.0	21.0	23.625	26.6	21.0	
BMAC4860CBTA	8733965431	21.0	30.0	21.0	19.875	27.0	21.0	
BMAC4860DBTA	8733965432	24.5	30.0	21.0	23.625	26.8	21.0	

BOVA20 OUTDOOR UNIT + BMAC CASED COIL + BGH96 FURNACE AHRI 210/240 - 2023 PERFORMANCE DATA									
OUTDOOR UNIT MODEL	CASED COIL	DAIDING FUDNACES	COOLING CAPACITY (BTU/H)			HEATING	0514		
OUTDOOK UNIT MODEL	MODEL	PAIRING FURNACES	TOTAL	EER2(3)	SEER2(4)	ні	HSPF2 <sup>(5)</sup>	LOW	CFM
₩ BOVA-36RTB-M20S	BMAC2430ABTA	BGH96M060B3C	23800	11.7	18.0	24000	9.0	19600	740/540
₩ BOVA-36RTB-M20S	BMAC2430ABTA	BGH96M080B3C	23800	11.7	18.0	24000	9.0	19600	750/560
₩ BOVA-36RTB-M20S	BMAC2430BBTA	BGH96M060B3C	24000	12.0	18.5	24000	9.0	20000	760/550
₩ BOVA-36RTB-M20S	BMAC2430BBTA	BGH96M080B3C	24000	12.0	18.5	24000	9.0	20000	750/560
₩ BOVA-36RTB-M20S	BMAC3036ABTA	BGH96M060B3C	32800	10.6	17.0	34000	9.0	25000	1090/840
₩ BOVA-36RTB-M20S	BMAC3036ABTA	BGH96M080B3C	32800	10.6	17.0	34000	9.0	25000	1050/840
₩ BOVA-36RTB-M20S	BMAC3036BBTA	BGH96M060B3C	33600	11.0	17.5	34200	9.0	25000	1120/870
₩ BOVA-36RTB-M20S	BMAC3036BBTA	BGH96M080B3C	33600	11.0	17.5	34200	9.0	25000	1060/850
₩ BOVA-36RTB-M20S	BMAC3036CBTA	BGH96M080C4C	33600	11.0	17.5	34200	9.0	25000	1100/870
₩ BOVA-36RTB-M20S	BMAC3036CBTA	BGH96M100C5C	33200	11.0	17.5	34200	9.0	25000	1000/780
₩ BOVA-36RTB-M20S	BMAC4248BBTA	BGH96M080B3C	33000	11.0	18.0	34200	9.0	25200	1100/880
₩ BOVA-36RTB-M20S	BMAC4248CBTA	BGH96M100C5C	33000	11.7	18.0	34200	9.0	25600	1060/840
₩ BOVA-60RTB-M20S	BMAC4248BBTA	BGH96M080B3C	42500	11.7	16.0	43500	8.8	35000	1120/880
₩ BOVA-60RTB-M20S	BMAC4248CBTA	BGH96M080C4C	42500	11.7	16.0	44500	8.8	35000	1130/900
₩ BOVA-60RTB-M20S	BMAC4248CBTA	BGH96M100C5C	44000	11.7	16.5	46500	8.8	35600	1370/1150
₩ BOVA-60RTB-M20S	BMAC4248DBTA	BGH96M100D5C	44500	11.7	16.5	47000	9.0	35600	1480/1200
₩ BOVA-60RTB-M20S	BMAC4248DBTA	BGH96M120D5C	44500	11.7	17.0	47000	9.0	35600	1480/1200
₩ BOVA-60RTB-M20S	BMAC4248CBTA	BGH96M100C5C	51500	11.4	17.5	53500	8.5	38000	1370/1150
₩ BOVA-60RTB-M20S	BMAC4860DBTA	BGH96M100D5C	51500	11.7	18.0	54000	8.5	38500	1460/1170
₩ BOVA-60RTB-M20S	BMAC4860DBTA	BGH96M120D5C	51500	11.7	18.0	54000	8.5	38500	1460/1170

BOVA20 OUTDOOR UNIT + BMAC CASED COIL ONLY AHRI 210/240 - 2023 PERFORMANCE DATA								
OUTDOOR UNIT MODEL	CASED COIL	COOLING CAPACITY (BTU/H)			HEATII	CFM		
	MODEL	TOTAL	EER2 <sup>(3)</sup>	SEER2(4)	н	HSPF2 <sup>(5)</sup>	LOW	CFIVI
₩ BOVA-36RTB-M20S	BMAC2430ABTA	23000	11.7	15.2	24000	9.0	19400	750
₩ BOVA-36RTB-M20S	BMAC2430BBTA	23400	12.0	15.2	24000	9.0	19400	750
BOVA-36RTB-M20S	BMAC3036ABTA	32000	10.6	14.3	34000	9.0	23400	900
BOVA-36RTB-M20S	BMAC3036BBTA	32000	11.0	14.3	34200	9.0	23600	900
BOVA-36RTB-M20S	BMAC3036CBTA	32000	11.0	14.3	34200	9.0	23600	1050
₩ BOVA-36RTB-M20S	BMAC4248BBTA	32000	11.0	15.2	34000	9.0	24600	1000
₩ BOVA-36RTB-M20S	BMAC4248CBTA	32000	11.0	15.2	34200	9.0	24600	1050
★ BOVA-36RTB-M20S	BMAC4248DBTA	32000	11.0	15.2	34200	9.0	24600	1100
BOVA-60RTB-M20S	BMAC4248BBTA	42500	11.2	14.3	45500	8.5	33000	1200
BOVA-60RTB-M20S	BMAC4248CBTA	43500	11.7	14.4	46000	8.5	33000	1350
BOVA-60RTB-M20S	BMAC4248DBTA	43500	11.7	14.4	46000	8.5	33200	1450
BOVA-60RTB-M20S	BMAC4860CBTA	52000	10.8	14.5	55000	8.2	38000	1350
BOVA-60RTB-M20S	BMAC4860DBTA	52000	10.8	14.5	55000	8.2	39000	1460

Blue Text = ENERGY STAR Certified V6.1. Se = ENERGY STAR V6.1 Cold Climate and ENERGY STAR V6.1 certified. (3) Energy Efficiency Ratio; Certified per AHRI 210/240. (4) Seasonal Energy Efficiency Ratio; Certified per AHRI 210/240. (5) HSPF = Heating Seasonal Performance Factor; Certified per AHRI 210/240. Note: Always check the rating plate for electrical data on the unit being installed. The listed data is for reference only. Please consult www.bosch-homecomfort.us for further details. NOTICE: Bosch's BGH96 96% Furnace 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.



# **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.

#### **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



#### **Bosch Home Comfort Group**

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