

Home Comfort Group



**BOSCH**

## Bosch IDS *ULTRA*

*The Next-Generation of Heating & Cooling*

A cold climate heat pump for all seasons,  
even in sub-zero temperatures



NEW



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

# Warm Up Efficiently in Frigid Temperatures

## Bosch IDS Ultra

Introducing the Bosch IDS Ultra — a heat pump designed to keep you and your family warm even on the coldest nights. Powered by Bosch inverter technology, the Bosch IDS Ultra Heat Pump is the first Bosch air-to-air heat pump designed to provide reliable, energy efficient heating even in sub-zero temperatures. This cold climate heat pump can provide 100% heating down to an outdoor temperature of 5° F. and will continue to initiate heating even down to -13° F. The IDS Ultra also provides efficient cooling in the warmer months for ultimate home comfort all year long.



### All-Season Comfort

Reliable heating and cooling throughout the year, ensuring optimal indoor comfort in all weather conditions.



### DOE Challenge Approved

Approved by the U.S. Department of Energy's Cold Climate Heat Pump Challenge for its effectiveness in enhancing energy efficiency.



### Reliable Heating in Extreme Cold

Engineered to provide dependable warmth even during the coldest winter nights, ensuring comfort when it's needed most.



### Energy Star V6.1 Cold Climate Certified<sup>(A)</sup>

The Bosch IDS Ultra qualifies for federal tax credits and state rebates. Scan or click the QR code to learn more.



### Advanced Inverter Technology

Utilizes Bosch's inverter technology to precisely modulate output, ensuring a stable and comfortable indoor environment.



### Rigorous Testing

Extensive testing at National Laboratory to meet stringent performance standards, including heating capacity and refrigerant efficiency.

# Why Choose The Bosch IDS Ultra 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.

## 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.

## Peace of Mind

The IDS Ultra can also be paired with a backup electric heat element or the Bosch BGH96 Gas Furnace to create a dual fuel system for added peace of mind for extreme winter nights. Our ENERGY STAR-rated furnace offers up to 96% efficiency, a two-stage gas valve, and a multi-speed blower, as well as a blower built with constant air flow technology.

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

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.

## Ultra Connected HVAC Solution<sup>(1)(2)</sup>

Featuring wireless connectivity as well as in-app warranty registration, installation, and troubleshooting, the IDS Ultra 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.



§ Please go to [www.bosch-homecomfort.us](http://www.bosch-homecomfort.us) for full limited warranty details. \*Product sold separately (1) Connected features available through the Bosch EasyAir app are offered for free of charge for 36-months. Afterwards, certain fees may apply. For more information see Section 3.4 of the Mobile App Terms and Condition - Bosch EasyAir. (2) Bosch IDS products utilize LTE gateways dependent on third-party cellular service. Signal availability, strength and performance can be affected by location, weather, terrain, user equipment, network capacity and other factors. Bosch does not guarantee cellular service availability or uninterrupted gateway operations.

## DOE Cold Climate Heat Pump Challenge

The U.S. Department of Energy (DOE) confirmed that Bosch's solution meets the requirements of the Residential Cold Climate Heat Pump Challenge. The goal of the challenge is to advance the technology to allow consumers to make the switch to a cleaner energy future with less carbon emissions.

The Bosch IDS Ultra underwent extensive testing at the Oak Ridge National Laboratory. For five weeks, the system was placed inside an ice-cold lab that was surrounded by chillers to see how well it could operate in freezing conditions and meet various performance criteria, including: heating to at least 5°F, low global warming potential refrigerant, auxiliary heat, connectivity, and other performance criteria critical to energy efficient electric heating performance in colder regions.



### Outstanding Performance All Year Long

The IDS Ultra has a continuous variable speed inverter compressor, meaning it can fully modulate and adjust its output to meet the heating and cooling needs of your home. By ramping the compressor up or down, the IDS Ultra can help to achieve an optimal and consistent indoor temperature. This is an extremely efficient way to control the temperature in your home all year long without compromising comfort.

### How Does the System Produce Heat?

Usually, colder outdoor temperatures make it harder for heat pumps to extract heat from the air. Bosch engineers addressed this with the IDS Ultra's Enhanced Vapor Injection (EVI) compressor. The EVI compressor borrows extra heat from the hot side of the refrigerant cycle, redirecting it to warm the home. This design boosts the IDS Ultra's performance, keeping homeowners warm on the coldest winter days.





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



The Bosch EasyAir App is your one-stop shop for troubleshooting the IDS Ultra. 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

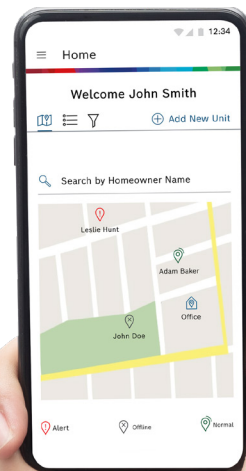
Track your monthly energy use. Read tips on how to improve efficiency and save energy.

### 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

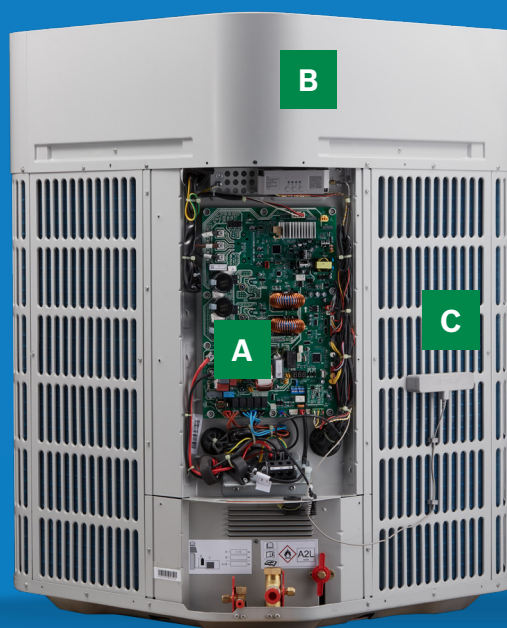
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# IDS Components Features & Benefits

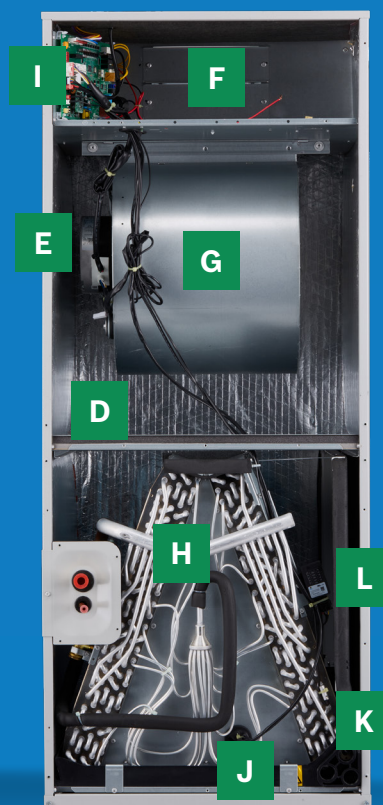


*How Does  
the Bosch  
IDS ULTRA  
Work?*

Scan to Watch Video



**Bosch BOVA Ultra Series**  
High-Efficiency Outdoor Inverter Condenser



**Bosch BIVA Ultra Series**  
High-Efficiency & Reliable Indoor Air Handler

**A** 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.

**B** The high-efficiency variable capacity inverter compressor in the condensers can adjust speeds to perfectly cool and heat your home using minimal energy for maximum comfort.

**C** Featuring wireless connectivity as well as in-app warranty registration, installation, and troubleshooting, the IDS Ultra provides an interactive Internet of Things (IoT) platform for contractors and homeowners.

The IDS Ultra enables connectivity features while offering the same performance and comfort as the existing model.<sup>(1)(2)</sup>

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

**E** Cabinets – Painted galvanized steel cabinet is salt spray tested for improved durability and corrosion-resistance.

**F** Electric Heat – Can accommodate electric heat with no modification to the cabinet for additional heat on-demand when you need it most.

**G** Four-stage ECM motor in the IDS Ultra Air Handler – Indoor blower stages up and down to provide enhanced comfort, energy savings, and superior humidity control.

**H** 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.

**I** Control Board Box – A dedicated slot for the control board protects it from humidity in the airstream and extends its lifetime.

**J** Integrated Drain Pan – Made from corrosion-resistant composite material, gently sloped to reduce standing water.

**K** Drain Pan – Flexibility for VT or HZ applications.

**L** Filter Rack – Change to factory installed, provides convenience for field installation and serviceability.

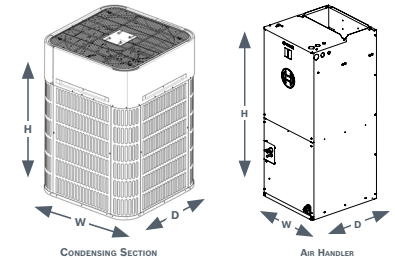
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# IDS Family System & Technical Information



IDS ULTRA AHRI 210/240 - 2023 PERFORMANCE DATA							
OUTDOOR UNIT MODEL	INDOOR AIR HANDLER MODEL	COOLING CAPACITY (BTU/H)			HEATING CAPACITY (BTU/H)		
		TOTAL	EER2 <sup>(3)</sup>	SEER2 <sup>(4)</sup>	HI	HSPF2 <sup>(5)</sup>	LOW
❄️ BOVA-60MTB-M19E	BIVA-48MCB-M19X	48500	12.00	19.00	48500	10.00	48500
❄️ BOVA-60MTB-M19E	BIVA-60MCB-M19X	53500	11.70	19.00	55000	10.00	55000

BOSCH IDS ULTRA DESCRIPTION & DIMENSIONS					
MODEL NUMBER	DESCRIPTION	PART NUMBER	WIDTH (W)	HEIGHT (H)	DEPTH (D)
ULTRA SERIES OUTDOOR CONDENSING SECTION					
BOVA-60MTB-M19E	60 kBTU/hr (5 ton)	8733958901	29.125	43.3125	29.125
ULTRA SERIES INDOOR AIR HANDLER					
BIVA-48MCB-M19X	48 kBTU/hr (4 ton)	8733958904	22.0	54.5	24.0
BIVA-60MCB-M19X	60 kBTU/hr (5 ton)	8733958905	22.0	54.5	24.0



ULTRA SERIES OUTDOOR UNIT + BMAC CASED COIL + BGH96 FURNACE AHRI 210/240 - 2023 PERFORMANCE DATA									
OUTDOOR UNIT MODEL	CASED COIL MODEL	PAIRING FURNACES	COOLING CAPACITY (BTU/H)			HEATING CAPACITY (BTU/H)			CFM
			TOTAL	EER2 <sup>(3)</sup>	SEER2 <sup>(4)</sup>	HI	HSPF2 <sup>(5)</sup>	LOW	
❄️ BOVA-60MTB-M19E	BMAC4248BBTA	BGH96M080B3C	43000	11.70	16.00	46000	9.50	46000	1300/900
❄️ BOVA-60MTB-M19E	BMAC4248CBTA	BGH96M080C4C	43500	11.70	16.00	46000	9.50	46000	1300/900
❄️ BOVA-60MTB-M19E	BMAC4248CBTA	BGH96M100C5C	44000	11.70	16.50	47000	9.50	47000	1350/1150
❄️ BOVA-60MTB-M19E	BMAC4248DBTA	BGH96M100D5C	44500	11.70	16.50	47000	9.50	47000	1500/1150
❄️ BOVA-60MTB-M19E	BMAC4248DBTA	BGH96M120D5C	44500	11.70	17.00	47500	9.50	47500	1500/1150
❄️ BOVA-60MTB-M19E	BMAC4860DBTA	BGH96M100D5C	52000	11.70	18.00	55000	9.50	53000	1500/1150
❄️ BOVA-60MTB-M19E	BMAC4860DBTA	BGH96M120D5C	52500	11.70	18.00	55000	9.50	53000	1500/1150
❄️ BOVA-60MTB-M19E	BMAC4860CBTA	BGH96M100C5C	52000	11.70	18.00	55000	9.50	52000	1350/1150
ULTRA SERIES OUTDOOR UNIT + BMAC CASED COIL AHRI 210/240 - 2023 PERFORMANCE DATA									
❄️ BOVA-60MTB-M19E	BMAC4248BBTA	-	42500	11.20	15.20	45500	8.50	45500	1150
❄️ BOVA-60MTB-M19E	BMAC4248CBTA	-	43500	11.70	15.20	46000	8.50	46000	1300
❄️ BOVA-60MTB-M19E	BMAC4248DBTA	-	43500	11.70	15.20	46000	8.50	46000	1300
❄️ BOVA-60MTB-M19E	BMAC4860CBTA	-	52000	11.20	15.20	55000	8.50	52000	1350
❄️ BOVA-60MTB-M19E	BMAC4860DBTA	-	52000	11.20	15.20	55000	8.50	52000	1350

IDS ULTRA FIELD INSTALLED ELECTRIC HEAT KITS		
MODEL NUMBER	PART NUMBER	DESCRIPTION
EHK-05B	8733977739	5 kW Electric Strip Heater
EHK-08B	8733977740	7.5 kW Electric Strip Heater
EHK-10B	8733977741	10 kW Electric Strip Heater
EHK-15B	8733977742	15 kW Electric Strip Heater
EHK-20B	8733977743	20 kW Electric Strip Heater
EHK-15I(UL)	8733977744	15 kW Electric Strip Heater (3 stg)
EHK-20I(UL)	8733977745	20kW Electric Strip Heater (3 stg)

BMAC CASED COIL DIMENSIONS								
MODEL NUMBER	PART NUMBER	CASED			UNCASED			
		WIDTH	HEIGHT	DEPTH	WIDTH	HEIGHT	DEPTH	
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	

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.

# 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**

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