

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

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^(A)

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.

♦ Visit www.bosch-homecomfort.us to find the available efficiency rebates in your area. § Please go to www.bosch-homecomfort.us for full limited warranty details.

(1) These features 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
(A) Rebates and tax credits are subject to meeting qualifying criteria. Visit energystar.gov to learn more.

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[§]

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⁽¹⁾

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.



“Bosch is the leading source of high-quality heating, cooling and hot water systems and that’s why I am only installing Bosch products on my next projects”

– MIKE HOLMES

APPROVED PRODUCTS

§ Please go to www.bosch-homecomfort.us for full limited warranty details. (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

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.





Bosch EasyAir App



Contractor Troubleshooting Made Easy



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.

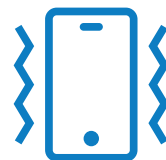
Manage Your Technicians

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



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

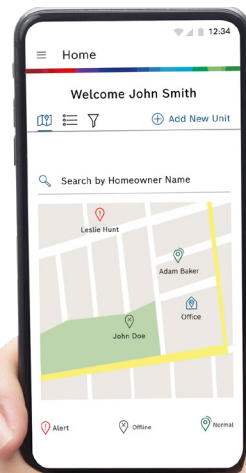
Track your monthly energy use. Read tips on how to improve efficiency and save energy.

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.



Download on the App Store

GET IT ON Google play



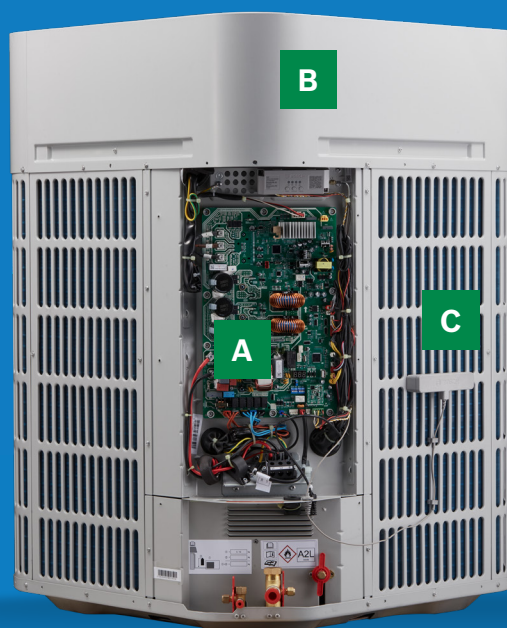
Scan QR with Smartphone to Download App

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 to speeds ranging from 35% to 138% (in 1% increments) 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.⁽¹⁾

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.

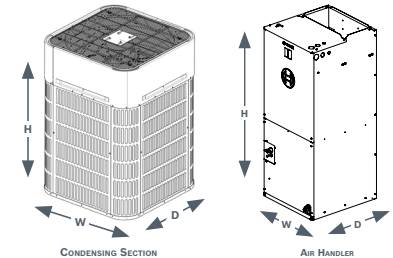
(1) Connected features available through the Bosch EasyAir app are offered for free of charge for 36-months. Afterwards, certain fees may apply. For more information see Section 3.4 of the Mobile App Terms and Condition - Bosch EasyAir

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 ⁽³⁾ | SEER2 ⁽⁴⁾ | HI | HSPF2 ⁽⁵⁾ | 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 ⁽³⁾ | SEER2 ⁽⁴⁾ | HI | HSPF2 ⁽⁵⁾ | 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.

Blue Text = ENERGY STAR Certified V6.1. ❄️ = ENERGY STAR V6.1 Cold Climate. (3) Energy Efficiency Ratio; Certified per AHRI 210/240. (4) Seasonal Energy Efficiency Ratio2; Certified per AHRI 210/240. (5) HSPF2 = 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. ♦ Visit www.bosch-homecomfort.us to find the available efficiency rebates in your area.

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

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