

Ductless Minisplit System by Bosch



BOSCH

Invented for life

Simply Smart

An exceptional alternative to traditional HVAC systems is here with the Bosch Climate 5000 ductless heating and cooling minisplit system. By focusing on individual rooms and living spaces instead of a central HVAC approach, Bosch minisplit systems provide energy-efficient, on-demand comfort that is flexible, simple to install and easy to maintain.

boschheatingandcooling.com





Home Comfort at the Push of a Button

The Bosch Climate 5000 ductless minisplit series provides simple installation, maintenance, and cleaning. Shorter service times and high quality means minimizing money spent while maximizing comfort and peace-of-mind. The Climate 5000 system utilizes a combination of efficient technologies to achieve up to a 22 SEER rating, reducing electricity usage and lowering your electric bill.⁽¹⁾



Fascinating Features for Quiet Comfort, Efficiency and Convenience

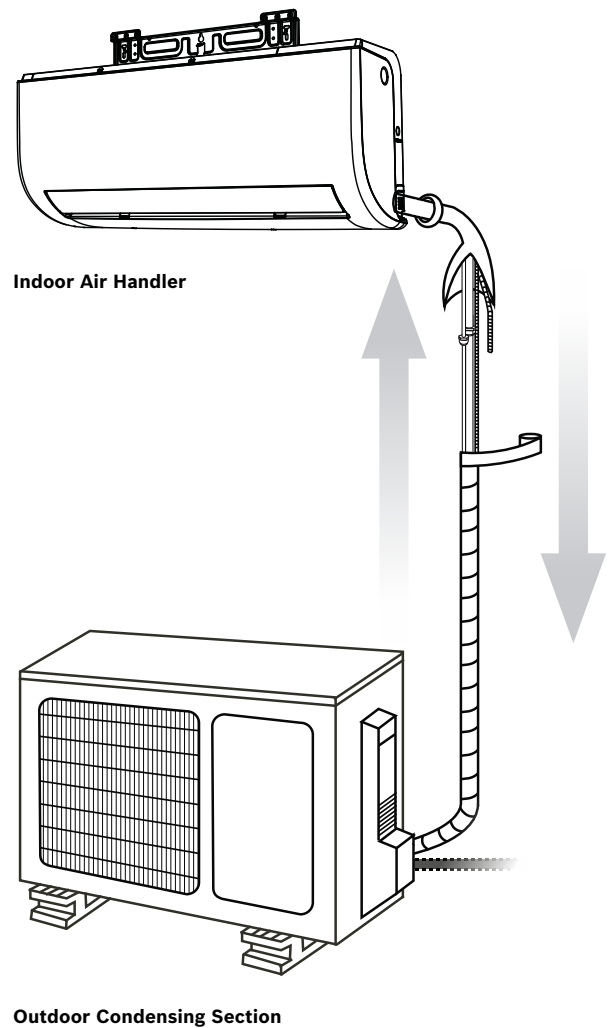
The Bosch minisplit system is an ENERGY STAR rated highly-efficient elegant solution where space, style and ease of comfort are needed.

No Space? No Problem! Do Away with Ductwork and Bulky Systems

The Bosch minisplit system provides high-efficiency heating and cooling comfort and the flexibility to fit virtually anywhere. When central HVAC equipment or ductwork doesn't fit the space or is overly costly, minisplits are a great solution to a wide variety of installation challenges. Similar to a regular split system A/C or heat pump, the condenser is located outdoors which increases the space and quiet comfort, while one or more air handlers are conveniently placed indoors. The two units are connected by electrical, refrigerant, and condensate drain lines that run through a 3" diameter or less sized hole in an exterior wall, thereby allowing for an easy installation and the peace of mind you deserve.

How Does a Minisplit Ductless System Work?

In many ways, a ductless minisplit system works similarly to a ducted HVAC system, or even your refrigerator. The system utilizes electricity to pump refrigerant and transfer heat from one space to another. In air conditioning / cooling mode during warm or summer months, the system efficiently moves heat from inside the space to the outdoors. Conversely, in heating mode during cold or winter months, the units utilize refrigerant, which is naturally colder than outdoor temperatures, to absorb heat from the outside and transfer it to inside the space.



Common Minisplit Applications:

- ▶ Individual rooms with inadequate heating or cooling
- ▶ Additions and renovations
- ▶ Enclosed patios
- ▶ Homes without space for ductwork
- ▶ Entire home

Why Bosch Ductless Minisplit Systems



ENERGY STAR rated high-efficiency system with whisper quiet operation, and easy-to-use connected controls

Our ENERGY STAR rated system provides high-efficiency, quiet comfort up to 22 SEER (which far exceeds the EPA requirement for minisplit systems of 14 SEER) while lowering energy costs plus provides sound levels as low as 20 dBA. By utilizing advanced, energy-saving inverter drive technology the system can help to achieve consistent and even temperature / humidity levels throughout the space. The indoor unit senses the room's temperature and makes automatic adjustments to the fan speed to eliminate the feeling of areas in a home that are too hot or too cold.



Extra Simplified, Award-winning Design⁽²⁾

Our sleek, award-winning units have been designed to blend in to any environment. Our aesthetically pleasing, compact, and easy-to-install outdoor units are simple to camouflage. The stylish and modern indoor air handler is designed to be unobtrusive and can be installed almost anywhere within the room.

Take control of your comfort

The indoor air handler is dedicated to the room being conditioned and can be controlled by the included easy-to-use wireless remote. Since everyone has a different comfort level, the controller can be used to keep the room at a desired temperature and humidity level which may be different from the rest of the house or building. Our intuitive air handler regulates these levels according to the remote users' requests, but can be programmed for automatic operation. A unit in a bedroom for instance, can be programmed for different hours of operation with the 24-hour timer function. The system also comes equipped with automated settings such the "Follow Me" feature which allows the system to heat or cool toward a set-temperature based on where the user (with remote) is located within the room, thereby providing exact comfort attuned to the individual user. The "Turbo" feature is also helpful when you need faster, on-demand comfort by speeding up the heating or cooling process when you need it the most.

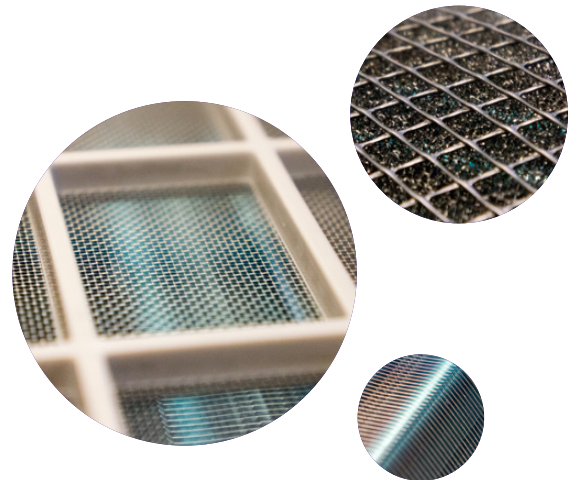


(2) Good Design Award of Japan Institute of Design Promotion.



Extremely Easy Installation⁽³⁾

Our simplified installation allows for an easy mounting of the indoor air handler, quick connection of the refrigerant lines and electrical connections, and only a small 3” diameter or less opening for running the entire lineset. This setup is perfect for tight spaces in a pinch or where you cannot accommodate ductwork. No ductwork is required - which means no messy renovation! Simply smart.



Indoor Air Quality, Maintenance, and Cleaning

The integrated multi-part filter system refreshes and cleans the circulating air by reducing potential odors, allergens, viruses and bacteria while providing the peace-of-mind that you and your family are breathing easy. Additionally, the system helps to trap dust, pollen, mites and other particles that plague allergy sufferers. Our filters and components create a stellar sifting net in order to provide fresh breathable air. When it comes to cleaning the filters, our indoor air handler is simple to access, quick to clean and easy to maintain. Our system also comes equipped with a Self Cleaning Mode to help remove additional particles internally as well as moisture via our water-wicking blue fin technology, thereby eliminating mildew.

(3) Heating and cooling equipment installation must be performed in accordance with the requirement of NEC (National Electric Code) and CEC (Canadian Electric Code) by licensed and qualified personnel only. Installation must conform with national and local code requirements.



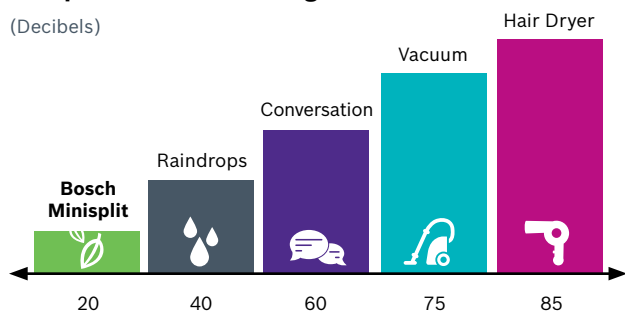
Features & Benefits

Creates a Comfortable Environment in Any Room

- ▶ Energy efficient to save you money - Up to 22 SEER
- ▶ Silent mode - Super quiet with sound levels as low as 20 dBA
- ▶ Enjoy a quiet and comfortable sleep
- ▶ Power cooling - Use turbo mode to quickly create a comfortable temperature
- ▶ 3D airflow - Deflectors move automatically in all directions for a balanced airflow covering every corner of the room
- ▶ Follow me feature - Provides individualized comfort

Comparison Sound Ratings

(Decibels)



Easy Maintenance - Saves Time, Labor and Money

- ▶ Fan motor designed for quick removal and replacement
- ▶ Universal internal control design reduces maintenance time and component complexity
- ▶ Easy to detach air handler with simple, pull-out feature
- ▶ Quick access to system components

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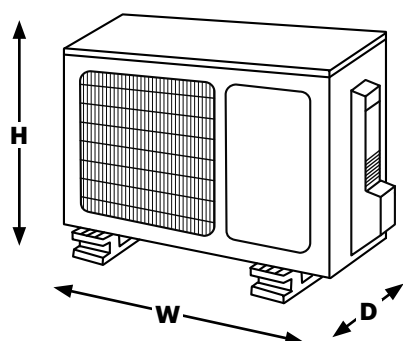
MINISPLIT ORDER INFORMATION			
UNIT TYPE	MODEL NUMBER	PAIRING UNITS	MATERIAL NUMBER
Air Handler	BMS500-AAU009-0AHXXA	9K 115V System	8733942691
Condensing Sect.	BMS500-AAS009-0CSXXA	Pair These Units Together	8733942692
Air Handler	BMS500-AAU012-0AHXXA	12K 115V System	8733942693
Condensing Sect.	BMS500-AAS012-0CSXXA	Pair These Units Together	8733942694
Air Handler	BMS500-AAU009-1AHXXA	9K 230V System	8733942695
Condensing Sect.	BMS500-AAS009-1CSXXA	Pair These Units Together	8733942696
Air Handler	BMS500-AAU012-1AHXXA	12K 230V System	8733942697
Condensing Sect.	BMS500-AAS012-1CSXXA	Pair These Units Together	8733942698
Air Handler	BMS500-AAU018-1AHXXA	18K 230V System	8733942699
Condensing Sect.	BMS500-AAS018-1CSXXA	Pair These Units Together	8733942700
Air Handler	BMS500-AAU024-1AHXXA	24K 230V System	8733942701
Condensing Sect.	BMS500-AAS024-1CSXXA	Pair These Units Together	8733942702

MINISPLIT PIPING KIT ORDER INFORMATION ⁽⁴⁾			
MODEL NUMBER	COMPATIBILITY	LENGTH	MATERIAL NUMBER
BMS-PK1-7XX	9k Units	24 ft	8733942707
BMS-PK2-7XX	12k and 18k Units	24 ft	8733942708
BMS-PK3-7XX	24k Units	24 ft	8733942709
BMS-PK1-5XX	9k Units	16 ft	8733942710
BMS-PK2-5XX	12k and 18k Units	16 ft	8733942711
BMS-PK3-5XX	24k Units	16 ft	8733942712

(4) Piping kits include refrigerant line-sets and cables for wiring between outdoor unit and indoor unit.

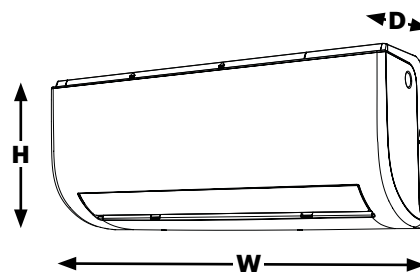
Technical Information

- ▶ High efficiency (up to 22 SEER)
- ▶ 4 capacities from 9,000 to 24,000 Btu/h
- ▶ Available in both 115/120V and 208/230V (up to 12,000 Btu/h)
- ▶ Electronic Expansion Valve (EEV) included for smart inverter technology (variable speed compressor)
- ▶ Sound levels as low as 20dB(A)
- ▶ Operating range of outdoor unit from -13 to 122° F



Limited Residential Warranty⁽⁵⁾

With the limited residential warranty, you receive peace-of-mind knowing you will receive replacement parts protection for up to 5 years (7 years for the compressor). This standard offering covers all components incorporated into the units at the time of manufacture. Unless otherwise stated, other components or parts that are purchased from Bosch and installed in the field have a 1 year replacement parts warranty from proof of certificate of occupancy date or proof of certified start-up date.



CONDENSING SECTION DIMENSIONS (IN INCHES)				WEIGHT (LBS.)
MODEL (OUTDOOR)	HEIGHT (H)	WIDTH (W)	DEPTH (D)	WEIGHT
BMS500-AAS009-0CSXXA	21.85	30.31	11.81	63.9
BMS500-AAS012-0CSXXA	21.81	31.50	13.11	81.6
BMS500-AAS009-1CSXXA	21.85	30.31	11.81	63.9
BMS500-AAS012-1CSXXA	21.81	31.50	13.11	81.6
BMS500-AAS018-1CSXXA	27.64	33.27	14.29	101.0
BMS500-AAS024-1CSXXA	31.89	37.24	16.54	136.7

AIR HANDLER DIMENSIONS (INCHES)				WEIGHT (LBS.)
MODEL (INDOOR)	HEIGHT (H)	WIDTH (W)	DEPTH (D)	WEIGHT
BMS500-AAU009-0AHXXA	11.81	31.65	7.60	18.7
BMS500-AAU012-0AHXXA	11.81	31.65	7.60	18.7
BMS500-AAU009-1AHXXA	11.81	31.65	7.60	18.7
BMS500-AAU012-1AHXXA	11.81	31.65	7.60	18.7
BMS500-AAU018-1AHXXA	13.46	43.54	9.13	29.1
BMS500-AAU024-1AHXXA	13.46	43.54	9.13	29.1

ARI 210/240 PERFORMANCE DATA								
BOSCH MODEL (INDOOR)		BMS500-AAU009-0AHXXA	BMS500-AAU012-0AHXXA	BMS500-AAU009-1AHXXA	BMS500-AAU012-1AHXXA	BMS500-AAU018-1AHXXA	BMS500-AAU024-1AHXXA	
BOSCH MODEL (OUTDOOR)		BMS500-AAS009-0CSXXA	BMS500-AAS012-0CSXXA	BMS500-AAS009-1CSXXA	BMS500-AAS012-1CSXXA	BMS500-AAS018-1CSXXA	BMS500-AAS024-1CSXXA	
Cooling	Capacity	Btu/h	9000	12000	9000	12000	18000	24000
	EER	Btu/w	14	12.5	14	12.5	13	12.5
	SEER	Btu/w	22	20.9	20.5	20.7	22	20
Heating	HSPF4	Btu/w	10.5	10	10	9.6	10	10
Indoor Air Flow (Hi/Med/Lo)		CFM	271/229/165	306/265/200	271/229/165	306/265/200	589/483/353	589/483/353
Indoor Noise Level (Hi/Med/Lo) ⁽⁶⁾		dB(A)	39/34/26	39/35/28	39.5/34/25	39.5/35/28	47/41/32	47/41/33
Refrigerant Piping	Equivalent Pipe Length	ft	82	82	82	82	98	164

(5) For complete Warranty details please go to boschheatingandcooling.com

(6) When operating in Silent Mode, sound is further decreased to levels as low as 20 dBA.

About **Bosch**

Bosch Group of Companies

The Bosch group of companies 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 360 subsidiaries and is represented in over 150 countries.

In the U.S., Canada and Mexico, the Bosch group of companies manufactures and markets automotive original equipment and after-market solutions, industrial drives and control technology, power tools, security and communication systems, packaging technology, thermotechnology, household appliances, and software solutions. Bosch products and services are designed to improve 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 boschheatingandcooling.com and boschusa.com.

Our company is founded on the Robert Bosch Stiftung - a charitable organization which originated at the request of our founder. The Robert Bosch Stiftung pursues its aims in a nonpartisan and independent manner. The funded projects and programs tackle social challenges in order to develop solutions and bring about change. The organization also supports third-party submitted projects that correspond with the foundation’s funding goals. In 2015, the Robert Bosch Stiftung charitable organization gave a total of 85.9 million dollars⁽⁷⁾ to support science, health, international relations, education and society.

Bosch Thermotechnology in North America

Bosch Thermotechnology 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 Thermotechnology 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 boschheatingandcooling.com

(7) In accordance with Foundation rules (without Berghof Foundation).

Bosch Thermotechnology Corp.

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boschheatingandcooling.com

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