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.
The Comfort Your Home is Waiting For

Meet the Bosch Inverter Ducted Split System

The Bosch Inverter Ducted Split system provides supremely-efficient comfort by adjusting operating speeds rather than a simple on/off control like other units, thereby reducing operating costs and saving you money. These robust and durable units are made with the Bosch quality you expect and deserve. The system’s intelligent features work in tandem with your thermostat to automatically learn your preferences, while integrated sound dampening features keep the units nice and quiet for your peace of mind.

Features

- Ultra-efficient inverter drive system delivers up to 18 SEER outperforming less efficient 1 and 2-stage systems
- Variable capacity control to precisely match the cooling/heating load - no more no less
- One of the quietest and most compact air-to-air systems with outdoor sound levels as low as 56 dBA(1)
- Delivers ultimate comfort through stable room temperature using your choice of thermostat
- 10-year Residential Limited Warranty(2)
- Smoothly ramps up operation, which avoids spikes in energy use and protects the system’s life-cycle

(1) 56 dBA sound level is based on outdoor unit. (2) Please go to boschheatingandcooling.com for full limited warranty details
Why Bosch Inverter Ducted Split System

**Consistent Room Temperature**
Conventional heat pump's frequent cycling on and off can result in uncomfortable temperature fluctuations. While Inverter-driven pumps are able to self-adjust, providing consistent room temperature, even when the outdoor temperature dips to 50 F.

**Heats Up Quickly for Fast Response**
It takes traditional systems a long time to reach the homeowner's desired temperature, while the boosted compressor speed of inverter systems allow for quicker, smoother and more efficient heating and cooling.

**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. With an 18 SEER rating and 9.5 HSPF, the Inverter Ducted Split system can provide you with maximum comfort levels at a minimum cost.

**Intelligent Control**
The system, along with an appropriate thermostat, can learn your preferences and adjust the output capacity to match your ideal temperature levels. The units are also compatible with any traditional 24 VAC thermostat.

**Quiet Comfort Achieved**
The Bosch Inverter Ducted Split system is one of the quietest air-to-air systems on the market. Through the use of silent blade technology, sound isolating mounts and outdoor condensing section placement - the system can deliver outdoor sound levels as low as 56 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.

**Residential Limited Warranty**
With the residential limited warranty, you receive peace-of-mind knowing you will receive replacement parts protection for up to 10 years. This standard offering covers all components incorporated into the heat pump system 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.
Bosch offers a complete range of air handler units from 2 through 5 ton sizes. These units are robust and constructed with a commercial-grade, powder-coated steel for durability. The unit comes standard for upflow applications. These cabinets are field convertible for horizontal right, horizontal left, or downflow/counterflow applications.

Electric heat can be added to the air handler for additional heat on-demand when you need it most.

The blower motor is a constant torque ECM motor and comes standard in all unit size. These intuitive motors can deliver comfortable air flow at quiet sound levels, while adapting to changing conditions in your home. Additionally, the unit is a true modulating unit by varying the compressor speed for smooth temperature transitions and ultimate humidity control within the home.

Foil faced insulation helps to prevent fibers from entering the air stream and prevents energy loss through the cabinet.

The A-Coil is a specifically designed evaporator coil shape that has a low static pressure drop and high efficiency heat transfer capabilities along with latent heat (humidity) removal.

Bosch’s A-Coil includes two drain pans to accommodate vertical or horizontal installation. Auxiliary drain connections are available should local code require an auxiliary drain pan. The drain pans are made of corrosion-resistant composite material for strength and durability rated to withstand 400°F. For your protection, both drain pans have also been tested to resist UVC light.

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 the summer or winter, the system keeps your home comfortable and the living conditions to your desired taste.

The air coil design provides exceptional heat transfer and low air-resistance for high-efficiency operation that can help lower your energy costs.

The direct-drive fan blades provide vortex suppression to reduce sound of airflow exiting the condensing section, thereby retaining relatively low noise at high speed - with sound levels as low as 56 dBA.

The high-efficiency variable capacity inverter compressor can adjust output to any level between 25% and 110%, to perfectly cool and heat your home using minimal energy for maximum comfort.

The condensing units come standard with an electronic expansion valve (EEV) to ensure proper refrigerant flow during all conditions in order to optimize the unit’s process to the highest efficiency possible.

Note: Plenum section may be required based on flow configuration.
Dependable and Multi-Positional Cased Coils

The Inverter Ducted Split Evaporator Coil, when paired with a furnace or a Bosch hydronic air handler along with an IDS outdoor condensing section, will deliver some of the best comfort levels and efficiency on the market today. Bosch offers a complete range of cased evaporator coils to fit your needs.

### Cased Evaporator Coil

The cased evaporator coils include easy-to-clean foil-back insulation which helps to ensure against energy loss through the cabinet as well as keeping the unit quiet.

Bosch offers a complete range of 10 evaporator coil models from 2 through 5 ton sizes, in all orientations including upflow, downflow and horizontal to fit all duct sizes and meet your needs. Bosch cased coils can be easily installed for retrofit using simple slide-out feature or new construction applications. The cased evaporator coils are constructed with heavy duty commercial grade powder-coated steel for durability.

### Cased Evaporator Coil Displaying Dual Drain Pan

Bosch’s cased coil includes bottom and side drain pans so the unit can be mounted horizontally or vertically. The pans help reduce the build-up of mold, bacteria and airborne pollutants no matter the orientation. The pans are made of a strong, 94-5V (QMF2Z) rated plastic, and poly-vinyl chloride (PVC) for strength and durability.

For your protection, both drain pans have also been tested to resist UVC light.

### Slide-out For Uncased Coil Application

All-Aluminum fins with aluminum tubing help to prevent formicary corrosion while maintaining the high heat transfer efficiency thereby increasing longevity and cost savings of the unit.

The A-Coil is a specifically designed evaporator coil shape that allows for low static pressure drop and high efficiency heat transfer capabilities along with optimum latent (water) removal. The units come standard with a thermal expansion valve (TXV) to ensure proper refrigerant flow during all conditions in order to optimize the highest efficiency possible.
Bosch IDS | Simply Smart

- 18 SEER / 9.5 HSPF
- Fully-modulating inverter drive
- Sound levels as low as 56 dBA
- 4 Air handlers – 2, 3, 4, 5 Ton
- 2 Condensing units – 3 and 5 Ton
- No special thermostat needed
- Operates down to 5°F
- Bosch quality
- 10-year residential limited warranty*

Field Friendly
- Designed for easy installation
- Simple to set up
- Intuitive controls
- Support readily available
- Field installed electric heater kits

System & Technical Information

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 IDS

AEHDCOIL DIMENSIONS

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<th>MODEL NUMBER</th>
<th>PART NUMBER</th>
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*Please go to boschheatingandcooling.com for full limited warranty details
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**FIELD INSTALLED ELECTRIC HEAT KITS**

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<tr>
<th>OUTDOOR UNIT MODEL</th>
<th>INDOOR AIR HANDLER MODEL</th>
<th>COOLING CAPACITY (BTU/H)</th>
<th>HEATING CAPACITY</th>
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(3) Seasonal Energy Efficiency Ratio; Certified per AHRI 210/240
(4) Energy Efficiency Ratio; Certified per AHRI 210/240
(5) HSPF = Heating Seasonal Performance Factor; Certified per AHRI 210/240

- Always check the rating plate for electrical data on the unit being installed.
- The listed data is for reference only. Please consult boschheatingandcooling.com for further details.
About Bosch

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, thermotechnology, 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 boschheatingandcooling.com and bosch.ca.

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.

Bosch Water-Source Heat Pumps: Made in the U.S.A.
Bosch and FHP water-source and geothermal heat pumps are made by highly trained and skilled workers in our factory based in Fort Lauderdale, Florida. They are manufactured with rigorous standards and factory testing ensuring high efficient operation over the life of the unit. Bosch’s ISO 9001 and ISO 14001 certified facilities provide consistent quality in every unit built.