



# Inverter Ducted Split Air Source Heat Pump System with Inverter Drive Technology

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. [boschheatingandcooling.com](http://boschheatingandcooling.com)

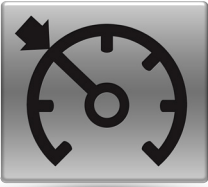


**BOSCH**

Invented for life



Info for the  
Homeowner



# Comfort Cruise Control

**Inverter Ducted Split Heat Pump System**  
with Variable Speed, High-Efficiency Inverter Drive

Quality engineering, quiet performance and an unbeatable warranty from Bosch delivers exceptional home comfort. Whether heating or cooling, our reliable inverter heat pumps keep homeowners comfortable by providing precise indoor temperature and humidity control. These high-efficiency, robust and quiet Inverter Ducted Split system heat pumps are available in four sizes ranging from 2 to 5 ton capacity to suit your needs. This system boasts a variable speed inverter drive which adjust the speed of the compressor to optimize comfort, while keeping sound levels to a minimum and utilizing just the right amount of energy to achieve maximum efficiency up to 18 SEER for lower energy bills and higher comfort levels.

UP TO  
**18**  
SEER

AS LOW AS  
**56**  
dB SOUND



## Key Features and Benefits

- ▶ **Ultra-efficient inverter drive system delivers up to 18 SEER and towers over 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 sound levels as low as 56 dB**
- ▶ **Delivers ultimate comfort through stable room temperature using your choice of thermostat**
- ▶ **10-year Limited Warranty**





# Why Choose the Inverter Ducted Split System

## Consistent Room Temperature

### No Ups and Downs, Ons and Offs

Conventional heat pumps 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 below 5° F.

## 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.

## 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 foil-faced air handler cabinet insulation, silent blade technology, sound isolating mounts and outdoor condensing section placement - the system can deliver sound levels as low as 56dB - which is far superior to any standard system on the market.

## Heats Up Quickly for Fast Response

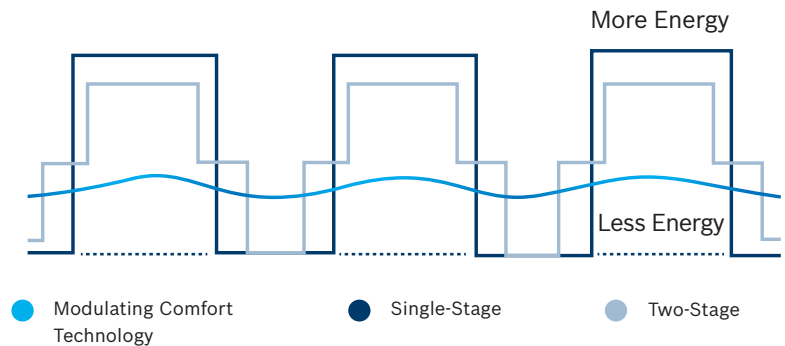
It takes traditional systems a long time to reach the homeowner's desired temperature, while the boosted compressor speed of inverter systems allow for quicker, smoother and more efficient heating and cooling.

## Intelligent Control

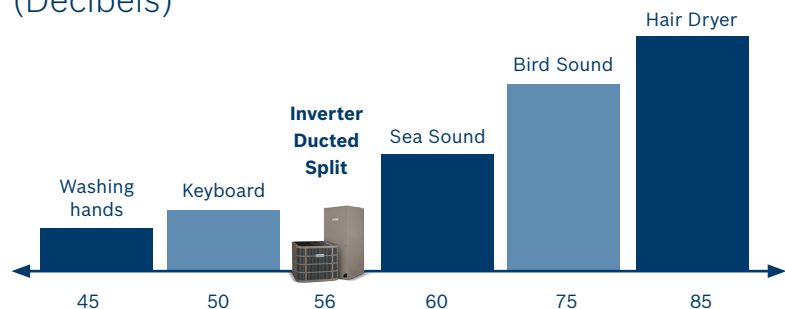
The system along with an appropriate thermostat can learn your preferences, and adjust the output capacity to match your ideal temperature levels. The units also are compatible with any traditional thermostat.

## 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, avoids spikes in energy use and protects the system's life-cycle.

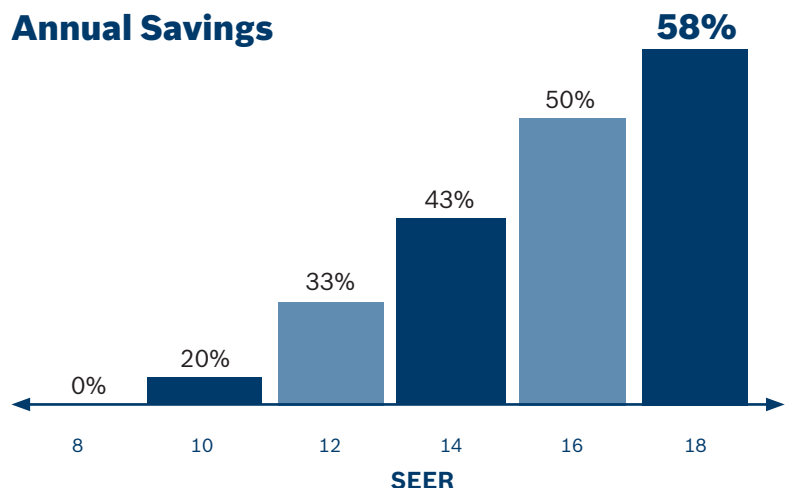


## Comparison Sound Ratings (Decibels)



The lowest average sound rating is 56dB for the Inverter Ducted Split 3 and 4 Ton unit. Based on a weighted overall (dB), according to ARI-260:2001(100hz-10kHz). Actual sound rating may vary depending on system setting, equipment maintenance, and other factors that may affect the sound rating.

## Annual Savings

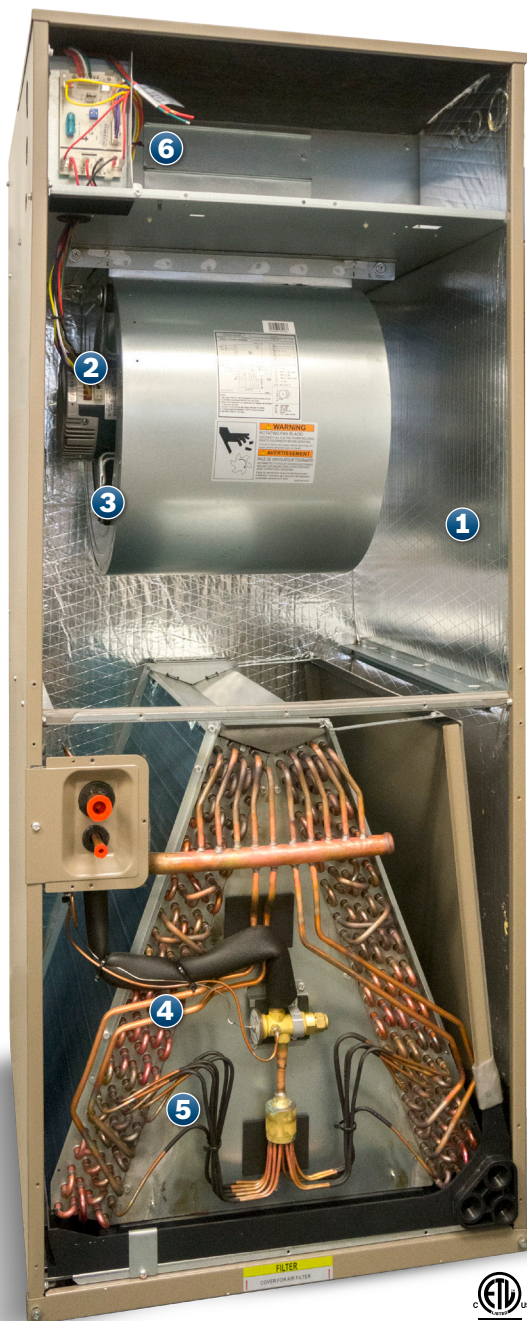


Annual savings for cooling your home, based on the efficiency of a matched system. Potential energy savings may vary depending on your personal lifestyle, system settings, equipment maintenance, local climate, actual construction and installation of equipment and duct system.

# Quality Inside and Out

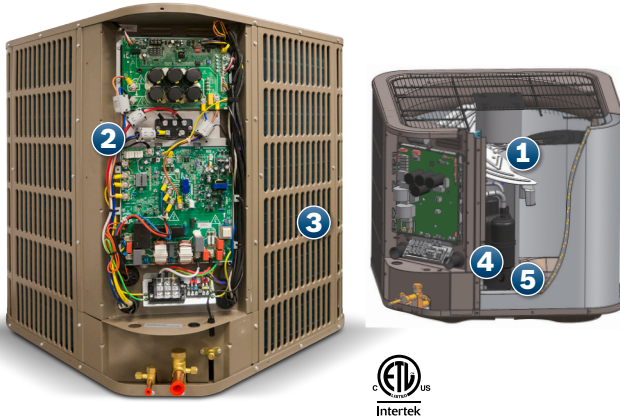
The Bosch Inverter Ducted Split system provides supremely-efficient comfort by adjusting operating speeds rather than a simple on/off control like other units, thereby reducing operating costs and saving you money. These robust and durable units are made with the Bosch quality you expect and deserve. 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.

## Robust and Reliable **Indoor Air Handler**



- 1** Bosch offers a complete range of air handler units from 2 through 5 ton sizes. These units are robust and constructed with heavy duty commercial grade epoxy 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.
- 2** The blower motor is a constant torque ECM motor and comes standard in all size units. 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.
- 3** Foil faced insulation helps to prevent fibers entering the air stream and ensure against energy loss through the cabinet as well as keeping the unit quieter.
- 4** The “A” shaped 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.
- 5** Bosch’s “A” shaped coil includes two drain pans to help reduce the build-up of mold, bacteria and airborne pollutants. 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.
- 6** Electric heat can be added to the air handler for additional heat on-demand when you need it most.

# High-Efficiency Outdoor **Condensing** **Section**



- 1** 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 dB.
- 2** Intelligent control features help adjust the output capacity allowing the unit to keep the temperature and humidity at your desired levels without fluctuation. Whether it be the summer or winter, the system keeps your home comfortable and the living conditions to your desired taste.
- 3** The air coil provides exceptional heat transfer and low air-resistance for high-efficiency operation that can help lower your energy costs.
- 4** 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.
- 5** The units come standard with a 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.





# About the Bosch Group

The Bosch Group has been a leading global supplier of technology and services in the areas of Automotive, Industrial Technology, Consumer Goods and Building Technology for over 100 years. Every Bosch product is built with one goal in mind; to enhance the quality of life by providing innovative technological solutions. Bosch is a leader in the development of next generation technologies that deliver improved performance and peace of mind while conserving and sustaining natural resources. Bosch is highly regarded for its development of automotive braking and steering safety systems (ABS) which have been improving automotive performance for over 30 years, helping reduce the number of accidents on North America's roads and highways. Environmental stewardship inspires and drives Bosch product development. Bosch is a leader in the development of next generation technologies that deliver improved performance and efficiency while conserving natural resources. In the area of sustainable mobility, Bosch is helping reduce the fuel consumption and CO<sub>2</sub> emissions of new vehicles. Energy efficiency and environmental protection are also shaping Bosch's Industrial Technology, Consumer Goods and Building Technology products. Green technologies, such as gas tankless water heaters, wind power and geothermal heat pumps are perhaps the best examples of smart technologies growing in demand and shaping the future of Bosch.

## About **Bosch Thermotechnology** in North America

Bosch Thermotechnology Corp. is a leading source of high quality water heating and comfort heating systems in North America. The company offers Bosch tankless water heaters, electric point-of-use water heaters, water heater storage tanks, radiant heat products, Buderus and Bosch wall-hung boilers, Buderus floor-standing boilers, Bosch water source heat pumps, Bosch geothermal heat pumps as well as controls and accessories for every product line. Bosch Thermotechnology is committed to reinventing energy efficiency by offering smart products that work together as integrated systems, which enhance quality of life in an ultra efficient and environmentally friendly manner.

## Residential Limited Warranty<sup>(1)</sup>

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.

(1) Please go to [boschheatingandcooling.com](http://boschheatingandcooling.com) for full limited warranty details

### **Bosch Thermotechnology Corp.**

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Contact your local Bosch HVAC contractor for details.  
[boschheatingandcooling.com](http://boschheatingandcooling.com)

**Scan the QR code to access product information.**

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