



BOSCH

Invented for life

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

Simply Smart

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.





Comfort Cruise Control

UP TO
18
SEER

AS LOW AS
56
dB SOUND



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.

Key Features and Benefits

- ▶ **U**ltra-efficient inverter drive system delivers up to 18 SEER and towers over 1 and 2-stage systems
- ▶ **V**ariable capacity control to precisely match the cooling/heating load - no more no less
- ▶ **O**ne 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, On 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 to 50 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

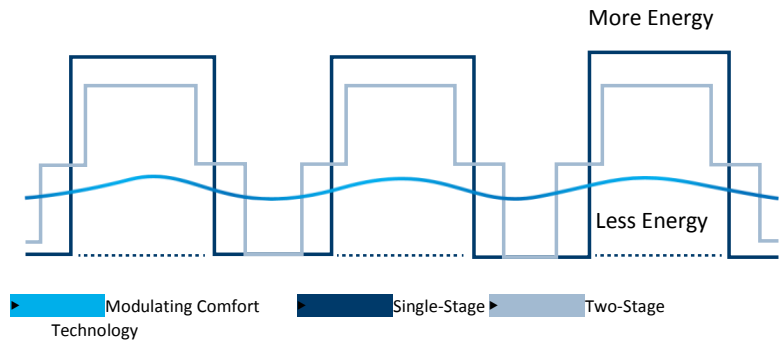
It takes traditional systems a long time to reach the homeowner's desired temperature, while the boosted compressor speed of inverter systems allow for quicker, smoother and more efficient heating and cooling.

Intelligent Control

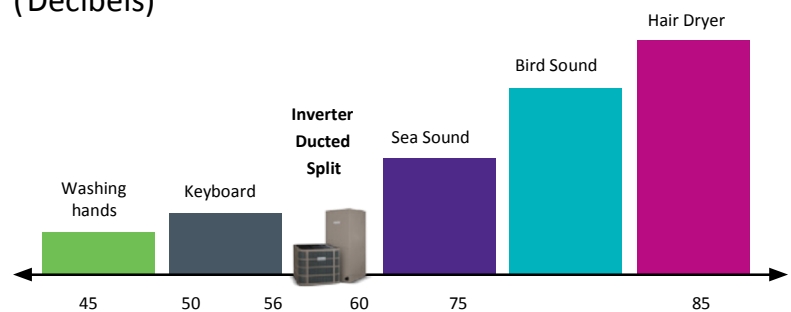
The system along with an appropriate thermostat can learn your preferences, and adjust the output capacity to match your ideal temperature levels. The units also are compatible with any traditional thermostat.

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.

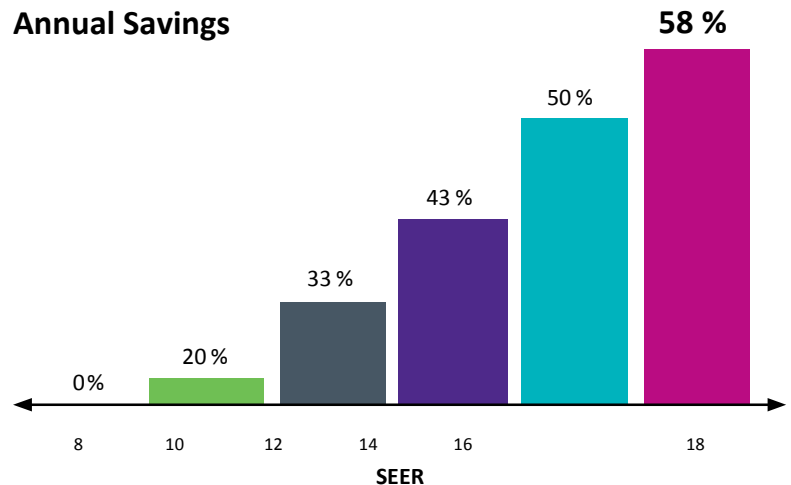


Comparison Sound Ratings (Decibels)



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.



1 Robust and Reliable Indoor Air Handler

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

4

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.

5

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.

Bosch's "A" shaped coil includes two drain pans to accommodate vertical or horizontal installation. Auxiliary

6

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 4000 F. For your protection, both drain pans have also been tested to resist UVC light.

Electric heat can be added to the air handler for

High-Efficiency Outdoor Condensing Section

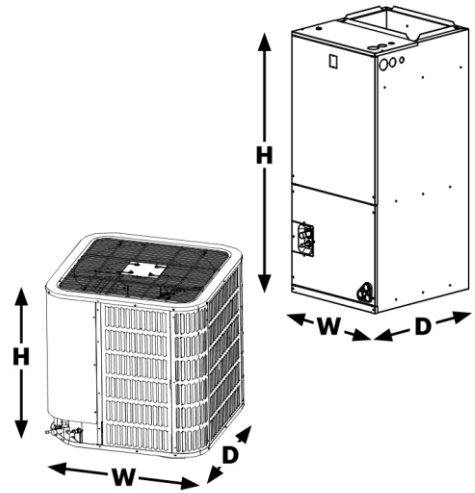


- 1** The direct-drive fan blades provide vortex suppression to reduce sound of airflow exiting the condensing section, thereby retaining relatively low noise at high speed - with sound levels as low as 56 dB.
- 2** Intelligent control features help adjust the output capacity allowing the unit to keep the temperature 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.
- 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.



Technical Information

- ▶ **Product – Simply Smart**
 - ▷ 18 SEER / 9.5 HSPF
 - ▷ Fully-modulating inverter drive
 - ▷ Sound levels as low as 56 dB
 - ▷ 4 Air handlers – 2, 3, 4, 5 Ton
 - ▷ 2 Condensing units – 3 and 5 Ton
 - ▷ No special thermostat needed
 - ▷ Operates down to 50 F
 - ▷ Bosch quality
- ▶ **Field Friendly – Adaptive Technology**
 - ▷ Simple to install
 - ▷ Simple to setup
 - ▷ Simple controls
 - ▷ Simple to understand
 - ▷ Simple to support
 - ▷ Field installed heater kits
 - ▶ **Bosch Advantages**
 - ▷ 10-year limited warranty



PART NUMBER	DESCRIPTION
7739832068	ODU, 36kBTU, Inverter Condensing Unit
7739832070	ODU, 60kBTU, Inverter Condensing Unit
7739832071	IDU, 24kBTU, Air Handler Unit
7738005278	IDU, 36kBTU, Air Handler Unit
7739832073	IDU, 48kBTU, Air Handler Unit
7739832074	IDU, 60kBTU, Air Handler Unit
7739832075	Electrical Heater EHK-05A
7739832076	Electrical Heater EHK-08A
7739832077	Electrical Heater EHK-10A
7739832078	Electrical Heater EHK-15A
7739832079	Electrical Heater EHK-20A

MODEL SIZE	AIR HANDLER DIMENSIONS (IN INCHES)		
	Height (H)	Width (W)	Depth (D)
024	46.5	19.625	21.625
036	46.5	19.625	21.625
048	54.5	22.0	24.0
060	54.5	22.0	24.0

MODEL SIZE	CONDENSING SECTION DIMENSIONS (IN INCHES)		
	Height (H)	Width (W)	Depth (D)
036	24.9375	29.125	29.125
060	33.1875	29.125	29.125

ARI 210/240 PERFORMANCE DATA								
Model Size	Indoor Unit Coils/Air Handlers	Cooling Capacity (BTU/h)			Heating Capacity			CFM
		Total	SEER ⁽¹⁾	EER ⁽²⁾	Hi	HSPF ⁽³⁾	Low	
036 CS	024 AHU	24000	18.5	13.0	24000	9.5	19000	800
036 CS	036 AHU	34600	17.5	11.4	34200	9.0	24000	1120
060 CS	048 AHU	47000	18.5	12.5	46500	9.5	35000	1560
060 CS	060 AHU	57000	17.5	11.2	55000	9.5	40000	1700

(1) Seasonal Energy Efficiency Ratio; Certified per ARI 210/240 • Always check the rating plate for electrical data on the unit being installed. (2) Energy Efficiency Ratio; Certified per ARI 210/240 • The listed data is for reference only. Please consult (3) HSPF = Heating Seasonal Performance Factor; Certified per ARI 210/240 boschheatingandcooling.com for further details.

Residential Limited Warranty⁽⁴⁾

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.

(4) Please go to boschheatingandcooling.com for full limited warranty details

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Contact your local Bosch HVAC contractor for details.

boschheatingandcooling.com

Scan the QR code to access product information.

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