



# BOSCH

Invented for life

## Bosch Packaged Heat Pump IDP

Inverter Ducted Packaged System

Bosch Inverter Drive technology is now available in a Packaged System. With this product, you will find superior efficiency and precise modulation to maximize comfort and ensure minimum energy usage. Choose the best, choose Bosch!

Now Available in 3 & 5 Ton





# Maximum Comfort, Minimum Energy, In One System!

## Bosch Inverter Ducted Packaged Unit IDP

Meet the Bosch Inverter Packaged Heat Pump (IDP). With all of the benefits of the Bosch Inverter Ducted Split systems now in a single package, the IDP offers best-in-class efficiency and comfort. The system delivers premium comfort and performance by adjusting compressor capacity rather than a simple on/off control like other traditional units, so you can enjoy maximum comfort while reducing operating costs and saving money. The system works seamlessly with your thermostat to automatically adjust to your preferences, while integrated sound dampening features keep the unit quiet for top level comfort.

### Features

- ▶ Superior efficiency – rated up to 19 SEER, 12.5 EER, 10 HSPF
- ▶ Inverter Compressor (36%-118% speed), modulation in 1% increments
- ▶ IDP 3T – Provides up to 4-stage indoor fan control, mobile home certified for high static
- ▶ IDP 5T – Provides up to 2-stage indoor fan control
- ▶ 10 speed ECM outdoor blower for premium efficiency and whisper quiet operation
- ▶ Easy to install – 2-way design allows for horizontal and downflow installations, air return/supply are field convertible
- ▶ ENERGY STAR rated
- ▶ Compatible with the Bosch Connected Control (BCC) Thermostat family<sup>(1)</sup>
- ▶ Operates in cooling up to 125°F



(1) Product sold separately.

## Consistent Room Temperature

Conventional heat pumps frequently cycle on and off, resulting in uncomfortable temperature fluctuations. While inverter-driven pumps are able to self-adjust, providing consistent room temperature, even when the outdoor temperature reaches up to 125°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 up to 19 SEER and 10 HSPF, the Inverter Ducted Packaged system can provide you with maximum comfort levels at a minimum cost.

## Quiet Comfort Achieved

The Bosch Inverter Ducted Packaged system is one of the quietest air-to-air heat pumps 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 59 dBA - which is far superior to most standard units on the market.

## Residential Limited Warranty<sup>(2)</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.

## Fast Response

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

## Intelligent Control

The unit will adjust the output capacity to match your ideal temperature requirements. Also, with up to four stage fan control, the unit delivers enhanced humidity control.

## 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 unit smoothly ramps up operation, avoiding spikes in energy use and protecting the system's life-cycle.

**10 Year  
Warranty**



(2) In Commercial applications the parts warranty goes to 3 years. Please go to [boschheatingandcooling.com](http://boschheatingandcooling.com) for full limited warranty details.

# IDP Components

## Features & Benefits



The Bosch IDP heat pump has best-in-class efficiency ratings and provides maximum comfort levels at a minimum cost.

## A Robust & Reliable All-In-One System

- A** The Bosch IDP heat pump offers a robust package and is constructed with a commercial-grade, powder-coated steel for durability. The unit comes standard for horizontal discharge applications. The unit is field convertible for downflow applications.
- B** 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 59 dBA.
- C** Electric Heat<sup>(3)</sup> - Can accommodate electric heat with no modification to the cabinet for additional heat on-demand when you need it most.
- D** The indoor blower motor is a constant torque ECM motor.<sup>(4)</sup> This intuitive motor 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.
- E** 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.
- F** The high-efficiency variable capacity inverter compressor can adjust to any speed between 36% and 118% (in 1% increments), to perfectly cool or heat your home using minimal energy for maximum comfort.

(3) Product sold separately.

(4) IDP 3-ton model supports up to four stage fan control. IDP 5-ton model supports up to two stage fan control.

## Bosch IDP | Simply Smart

- ▶ Up to 19 SEER and 10 HSPF
- ▶ ENERGY STAR rated
- ▶ Fully-modulating inverter compressor
- ▶ Sound levels as low as 59 dBA
- ▶ Compatible with most 24 VAC thermostats
- ▶ Operates in heating down to -4° F
- ▶ Operates in cooling up to 125° F
- ▶ 10-year residential limited warranty<sup>(5)</sup>

## Field Friendly

- ▶ Designed for easy installation
- ▶ Simple to set up
- ▶ Intuitive controls
- ▶ Support readily available
- ▶ Common field installed electric heat kits for 3T & 5T IDP



## System & Technical Information



### INVERTER DUCTED PACKAGED SYSTEM DIMENSIONS (IN INCHES)

MODEL NUMBER	PART NUMBER	WIDTH (W)	HEIGHT (H)	DEPTH (D)
BRB-36HWD1N1-M18	8733954410	35-1/16	46-13/16	50-11/16
BRB-60HWD1N1-M19	7738006459	44-13/16	51-7/16	51-9/16

### INVERTER DUCTED PACKAGED SYSTEM

MODEL NUMBER	PART NUMBER	DESCRIPTION
BRB-36HWD1N1-M18	8733954410	36 kBTU/hr (3 ton) Inverter Ducted Packaged Heat Pump
BRB-60HWD1N1-M19	7738006459	60 kBTU/hr (5 ton) Inverter Ducted Packaged Heat Pump

### INVERTER DUCTED PACKAGED SYSTEM AHRI 210/240 PERFORMANCE DATA

NOMINAL HP SYSTEM TONNAGE	CASED COIL MODEL	COOLING CAPACITY (BTU/H)			HEATING CAPACITY (BTU/H)			CFM
		TOTAL	EER <sup>(6)</sup>	SEER <sup>(7)</sup>	HI	HSPF <sup>(8)</sup>	LOW	
3	BRB-36HWD1N1-M18	34800	12	18.5	36000	9	23000	1250/950
5	BRB-60HWD1N1-M19	57000	12.5	19	57000	10	44000	1800/1300

### FIELD INSTALLED ELECTRIC HEAT KITS

MODEL NUMBER	PART NUMBER	DESCRIPTION
EHK-05J	8733953088	5 kW Electric Heat Kit
EHK-08J	8733953089	7.5 kW Electric Heat Kit
EHK-10J	8733953090	10 kW Electric Heat Kit
EHK-15J	8733953091	15 kW Electric Heat Kit
EHK-20J <sup>(9)</sup>	8733953092	20 kW Electric Heat Kit

(5) Please go to [boschheatingandcooling.com](http://boschheatingandcooling.com) for full limited warranty details. (6) Energy Efficiency Ratio; Certified per AHRI 210/240. (7) Seasonal Energy Efficiency Ratio; Certified per AHRI 210/240. (8) HSPF = Heating Seasonal Performance Factor; Certified per AHRI 210/240. (9) 20kW EHK can only be used on 5T IDP. Note: Always check the rating plate for electrical data on the unit being installed. The listed data is for reference only. Please consult [boschheatingandcooling.com](http://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](http://boschheatingandcooling.com) and [bosch.ca](http://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](http://boschheatingandcooling.com).



Heating



Cooling



Hot Water



Controls

### **Bosch Thermotechnology Corp.**

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