

Home Comfort Group



**BOSCH**

# Bosch IDP Family of Inverter Packaged Heat Pumps

Maximizes your home comfort while minimizing your energy usage





# Bosch Inverter Drive Technology Provides Maximum Comfort, Minimum Energy!

## Bosch Inverter Ducted Packaged Family

Featuring all of the benefits of the Bosch Inverter Ducted Split systems in a single package, the IDP offers best-in-class efficiency and comfort. Each system in the IDP Family delivers premium comfort and performance by adjusting compressor capacity rather than a simple on/off control like other traditional units. This customizable feature allows you to bask in comfort while still reducing operating costs and saving money. The system works seamlessly with your thermostat to automatically adjust to your preferences. Plus, integrated sound dampening features keep the unit nice and quiet all day long. Equipped with R-454B refrigerant, the Bosch IDP Family meets the criteria for a lower global warming potential A2L refrigerant.



16 SEER2 System

**IDP Plus** 

3-ton Model

- ▶ The IDP Plus provides the perfect balance of efficiency and comfort at the standard 16-SEER2 efficiency level, without breaking the bank.
- ▶ This unit features a fully modulating inverter drive to precisely match the heating/cooling load.



19 SEER2 System

**IDP Premium**  

3-ton Model

- ▶ Qualify for maximum energy rebates and save the most on energy costs with our highest efficiency up to 19 SEER2 offering.
- ▶ The Inverter Compressor operates at 33%-114% speed and modulates in 1% increments.
- ▶ Easy to install - 2-way design allows for horizontal and downflow installations, air return/supply are field convertible

# Why Choose A Bosch IDP System

## Quiet Comfort Achieved

The Bosch IDP 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 60dBA on IDP Premium. This sound performance is far superior to any standard system on the market.

## 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. Bosch's IDP system can provide you with maximum comfort levels at a minimum cost.

## Fast Response

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

## Consistent Room Temperature

Conventional heat pumps frequently cycle on and off, resulting in uncomfortable temperature fluctuations. Inverter-driven heat pumps are able to self-adjust, providing consistent room temperature, even when the temperature outdoors dips below freezing.

## 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<sup>§</sup>

With the residential limited warranty, you receive peace-of-mind knowing you will receive up to 10 years protection on parts. 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.

## Intelligent Control

The IDP automatically adjusts its output capacity to accommodate your ideal temperature setting. The unit also reduces humidity through a system of four-stage fan controls.



We invent sustainable heating, cooling and well-being solutions – for a smarter and better life.

[Bosch-HomeComfort.us](https://www.bosch-homecomfort.us)

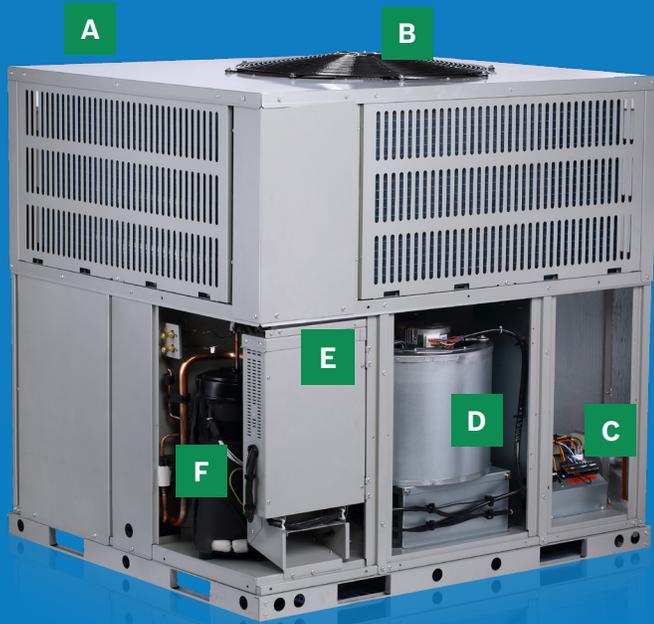


<sup>§</sup> In Commercial applications the parts warranty goes to 3 years. Please go to [www.bosch-homecomfort.us](https://www.bosch-homecomfort.us) for full limited warranty details.

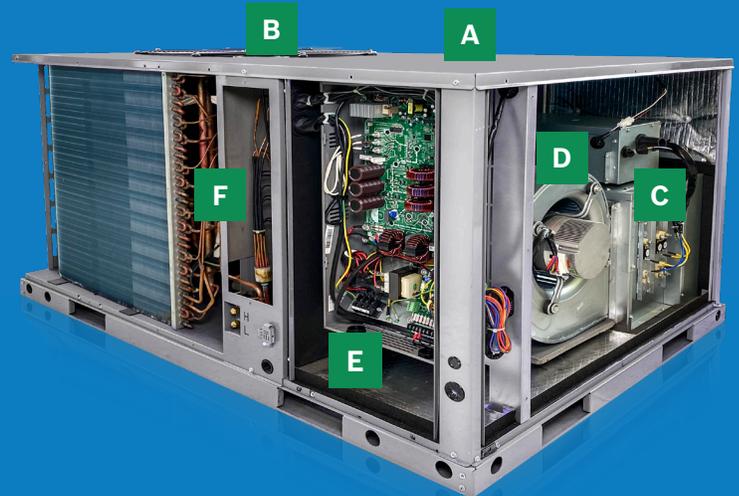
# IDP Family Components Features & Benefits

What is Inverter  
Technology?

Scan to Watch Video



IDP Premium



IDP Plus

## 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.<sup>(1)</sup>
- 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 60 dBA.<sup>(2)</sup>
- 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. 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, to perfectly cool or heat your home using minimal energy for maximum comfort.

(1) only available on IDP Premium, (2) 60 dBA sound level is based on 3T IDP Premium in Low Speed operation (3) Product sold separately

# Bosch Has Developed and Built The Perfect HVAC System For Your Home

Bosch IDP systems utilize just the right amount of energy to achieve ultimate comfort year after year, all while keeping sound levels to a minimum. Choose the Bosch IDP system that is right for you and enjoy our peace of mind 10 Year Bosch warranty!<sup>§</sup>

## Bosch IDP Family

- ▶ Superior energy efficiency
- ▶ IDP Plus up to 16 SEER2 | 8.5 HSPF2
- ▶ IDP Premium up to 19 SEER2 | 9.0 HSPF2
- ▶ Fully-modulating inverter drive
- ▶ All-aluminum evaporator coil provides superior protection against corrosion
- ▶ Sound levels as low as 60 dBA<sup>(1)</sup>
- ▶ 11 speed ECM outdoor motor for premium efficiency and whisper quiet operation
- ▶ Compatible with most 24 VAC thermostats
- ▶ Bosch engineering & quality
- ▶ Designed and tested to Bosch standards
- ▶ 10-year residential limited warranty<sup>§</sup>



## Installer Friendly

- ▶ Designed for easy installation
- ▶ Intuitive controls
- ▶ Support readily available
- ▶ Spare parts readily available
- ▶ Easy to maintain and service
- ▶ On-board diagnostics



(1) 60 dBA sound level is based on 3T IDP Premium in Low Speed operation § Please go to [www.bosch-homecomfort.us](http://www.bosch-homecomfort.us) for full limited warranty details



# Choose the System That's Right For You

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 Packaged heat pump systems are available in two sizes ranging from 3 to 5 ton capacity to suit your needs. This system boasts an inverter drive that adjusts the speed of the compressor to optimize performance, while keeping sound levels to a minimum and utilizing the right amount of energy to achieve maximum comfort.

16 SEER2 System

**IDP Plus**



- ▶ The IDP Plus provides the perfect balance of efficiency and comfort, without breaking the bank.
- ▶ This unit features a fully modulating inverter drive to precisely match the heating/cooling load.

IDP PLUS AHRI 210/240 PERFORMANCE DATA

NOMINAL HP SYSTEM TONNAGE	MODEL NUMBER	COOLING CAPACITY (BTU/H)			HEATING CAPACITY (BTU/H)			CFM
		TOTAL	EER2 <sup>(2)</sup>	SEER2 <sup>(3)</sup>	HI	HSPF2 <sup>(4)</sup>	LOW	
5	BPHA-60RCB-M16S	57000	10.0	16.0	57000	8.5	40500	1720/1210
3	BPHA-36RCB-M16S	34200	9.0	16.0	34600	8.1	25000	1200/940

19 SEER2 System

**IDP Premium**



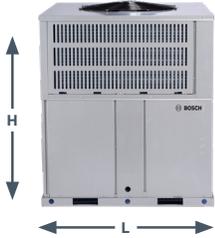
- ▶ Qualify for maximum energy rebates and save the most on energy costs with our highest efficiency<sup>◇</sup>
- ▶ The Inverter Compressor operates at 33%-114% speed and modulates in 1% increments.

IDP PREMIUM AHRI 210/240 PERFORMANCE DATA

NOMINAL HP SYSTEM TONNAGE	MODEL NUMBER	COOLING CAPACITY (BTU/H)			HEATING CAPACITY (BTU/H)			CFM
		TOTAL	EER2 <sup>(3)</sup>	SEER2 <sup>(4)</sup>	HI	HSPF2 <sup>(5)</sup>	LOW	
5	BPBA-60RCB-M18S	57000	11.2	19.0	57000	9.0	43000	1700/1250
3	BPBA-36RCB-M18S	34200	11.0	18.0	36000	8.1	25400	1200/950

**Blue Text** = ENERGY STAR Certified V6.1. (3) EER2: Energy Efficiency Ratio 2; Certified per AHRI 210/240. (4) SEER2: Seasonal Energy Efficiency Ratio; Certified per AHRI 210/240. (5) HSPF2: Heating Seasonal Performance Factor 2; Certified per AHRI 210/240. Note: Always check the rating plate for electrical data on the unit being installed. The listed data is for reference only. Please consult [www.bosch-homecomfort.us](http://www.bosch-homecomfort.us) for further details. <sup>◇</sup> Visit [www.bosch-homecomfort.us](http://www.bosch-homecomfort.us) to find the available efficiency rebates in your area.

# System & Technical Information



INVERTER DUCTED PACKAGED FAMILY DIMENSIONS (IN INCHES)					
MODEL NUMBER	DESCRIPTION	PART NUMBER	LENGTH (L)	WIDTH (W)	HEIGHT (H)
<b>IDP PLUS</b>					
BPBA-36RCB-M16S	36 kBTU/hr (3 ton)	8733965451	52	37-3/4	24-13/16
BPBA-60RCB-M16S	60 kBTU/hr (5 ton)	8733965452	58-1/2	42-1/16	33-1/16
<b>IDP PREMIUM</b>					
BPBA-36RCB-M18S	36 kBTU/hr (3 ton)	8733965449	50-11/16	46-13/16	35-1/16
BPBA-60RCB-M18S	60 kBTU/hr (5 ton)	8733965450	51-9/16	51-7/16	44-13/16

INVERTER DUCTED PACKAGED FAMILY ELECTRIC HEAT KIT		
MODEL NUMBER	PART NUMBER	DESCRIPTION
<b>IDP PLUS</b>		
EHK-05J-15	8733957338	5 kW Electric Heat Kit
EHK-08J-15	8733957339	7.5 kW Electric Heat Kit
EHK-10J-15	8733957340	10 kW Electric Heat Kit
EHK-15J-15	8733957341	15 kW Electric Heat Kit
EHK-20J-15*	8733957342	20 kW Electric Heat Kit
<b>IDP PREMIUM</b>		
EHK2-05J	8733981074	5 kW Electric Heat Kit
EHK2-08J	8733981075	7.5 kW Electric Heat Kit
EHK2-10J	8733981076	10 kW Electric Heat Kit
EHK2-15J	8733981077	15 kW Electric Heat Kit
EHK2-20J*	8733981078	20 kW Electric Heat Kit

\*20kW EHK can only be used on 5T capacity units

## Bosch Rebate Center

### Save Money on Energy Efficient Bosch HVAC Products

Take a look at the Bosch Rebate center to explore incentives & rebates on select Bosch heating and cooling solutions in your area.



# About Bosch

## **Bosch Home Comfort Group in North America**

Bosch Home Comfort Group 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 Home Comfort 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 [bosch-homecomfort.us](http://bosch-homecomfort.us).

## **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, home comfort solutions, 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 [www.bosch.com](http://www.bosch.com)



## **Bosch Home Comfort Group**

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