

Home Comfort Group



BOSCH

Bosch IDS Light

An inverter system at a price point you'll love!

The first 15-SEER2 Inverter condenser solution on the market



NEW



www.bosch-homecomfort.us



Bosch Inverter Drive Technology Provides Premium Comfort, Minimal Energy!

Bosch IDS Light

The Bosch IDS Light 15 SEER2 System is the first inverter condenser on the market to combine premium inverter technology designed for warmer climates. An ENERGY STAR rated system, IDS Light delivers the steady energy use and minimal noise expected of an IDS system at an unbeatable price point. The BOVA15 outdoor unit is available in 24k, 36k and 60k BTU capacity and can be paired with the BIVA15 fixed-speed air handler. Equipped with R-454B refrigerant, the IDS Light meets the criteria for a lower global warming potential A2L refrigerant.

Features

- ▶ Up to 15.2 SEER2 | 8.5 HSPF2
- ▶ Fully-modulating inverter drive
- ▶ Sound levels as low as 59 dBA
- ▶ 3 condensing units & 4 air handlers available
- ▶ System capacity range from 24K to 60K
- ▶ Compatible with most 24 VAC thermostats
- ▶ Bosch engineering & quality
- ▶ Designed and tested to Bosch standards
- ▶ 10-year residential limited warranty[§]
- ▶ Premium 15 SEER2 inverter technology

Installer Friendly

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



Learn About The Bosch IDS Light

Scan to Watch Video



Why Choose A Bosch IDS System

Quiet Comfort Achieved

Through the use of silent blade technology, sound isolating mounts and outdoor condensing section placement - this IDS system can deliver outdoor sound levels as low as 59 dBA - which 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.

Peace of Mind

The IDS Light can also be paired with a backup electric heat element or the Bosch BGH96 Gas Furnace to create a dual fuel system for added peace of mind during the colder months. Our ENERGY STAR-rated furnace offers up to 96% efficiency, a two-stage gas valve, and a multi-speed blower, as well as a blower built with constant air flow technology.

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.

Fast Response

The boosted compressor speed of inverter systems allows for quicker, smoother and more efficient heating and cooling.

Residential Limited Warranty[§]

Receive up to 10 years protection on parts and up to 2 years on gateway connectivity components. This standard offering covers all components incorporated 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 is the leading source of high-quality heating, cooling and hot water systems and that’s why I am only installing Bosch products on my next projects”

– MIKE HOLMES

HOLMES | **APPROVED PRODUCTS**

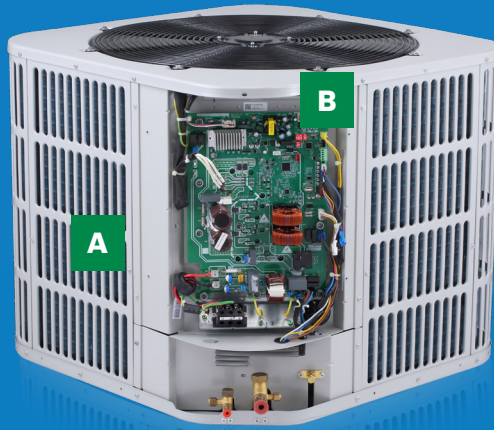
[§] Please go to www.bosch-homecomfort.us for full limited warranty details.

IDS Light Components Features & Benefits



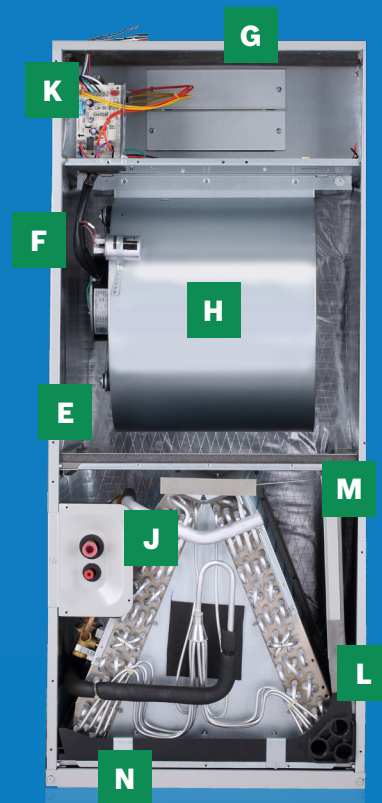
*What is Inverter
Technology?*

Scan to Watch Video



Bosch BOVA15

Outdoor Inverter Condenser



Bosch BIVA15

Robust & Reliable Indoor Air Handler

A

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 summer or winter, the system keeps your home comfortable. The BOVA15 condenser has a competitive small footprint, and also includes an ECM motor and also includes an ECM Motor for all capacities.

- ▶ 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 low noise at high speed - with sound levels as low as 59 dBA.
- ▶ The condensing units come standard with an electronic expansion valve (EEV) to ensure proper refrigerant flow during all conditions. This helps optimize the unit's operation to the highest efficiency possible.

B

The high-efficiency inverter compressor in the condensers can adjust to speeds ranging from 26% to 130% to perfectly cool and heat your home using minimal energy for maximum comfort.

- ▶ BOVA15 can adjust to any speed between 33% and 133% (in 1% increments).

E

Material – Foil-faced insulation material on the inner walls decreases energy loss and reduces condensation.

F

Cabinets – Painted galvanized steel cabinet is salt spray tested for improved durability and corrosion-resistance.

G

Electric Heat – Can accommodate electric heat with no modification to the cabinet for additional heat on-demand when you need it most.

H

ECM style motor – simple and cost-effective solution.

J

All-Aluminum Coil – With excellent heat transfer, efficiency, and humidity removal, the A-coil is more durable and has a lower chance of refrigerant leakage compared to typical copper coils.

K

Control Board Pocket – A dedicated slot for the control board protects it from humidity in the airstream and extends its lifetime.

L

Integrated Drain Pan – Made from corrosion-resistant composite material, sloped to reduce standing water.

M

Drain Pan – Flexibility for VT or HZ applications.

N

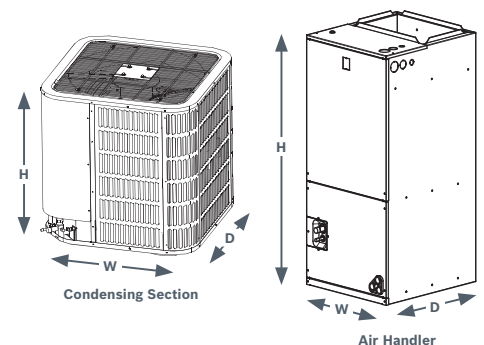
Filter Rack – Factory reserved, provides convenience for field installation and serviceability.

IDS Light System & Technical Information

IDS LIGHT BOVA15 + BIVA AHRI 210/240 - 2023 PERFORMANCE DATA							
OUTDOOR UNIT MODEL	INDOOR AIR HANDLER MODEL	COOLING CAPACITY (BTU/H)			HEATING CAPACITY (BTU/H)		
		TOTAL	EER ²⁽³⁾	SEER ²⁽⁴⁾	HI	HSPF ²⁽⁵⁾	LOW
❄️ BOVA-24RXB-M15S	BIVA-24RXB-M15X	24000	10.6	15.2	24000	8.5	20000
❄️ BOVA-36RXB-M15S	BIVA-24RXB-M15X	24000	11.7	15.2	24000	8.5	20600
BOVA-36RXB-M15S	BIVA-36RXB-M15X	34200	10.0	14.3	34600	8.0	25000
BOVA-60RXB-M15S	BIVA-36RXB-M15X	34600	10.6	14.6	35200	8.2	28400
BOVA-60RXB-M15S	BIVA-48RXB-M15X	46000	10.6	14.3	47000	8.0	38000
BOVA-60RXB-M15S	BIVA-60RXB-M15X	54000	9.8	14.3	56000	8.0	40500

Blue Text = ENERGY STAR Certified V6.1. ❄️ = ENERGY STAR V6.1 Cold Climate and ENERGY STAR V6.1 certified. (3) Energy Efficiency Ratio; Certified per AHRI 210/240. (4) Seasonal Energy Efficiency Ratio; Certified per AHRI 210/240. (5) HSPF = Heating Seasonal Performance Factor; 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 for further details. ♦ Visit www.bosch-homecomfort.us to find the available efficiency rebates in your area.

IDS LIGHT DESCRIPTION & DIMENSIONS					
MODEL NUMBER	DESCRIPTION	PART NUMBER	WIDTH (W)	HEIGHT (H)	DEPTH (D)
BOVA15 OUTDOOR CONDENSING SECTION					
BOVA-24RXB-M15S	24 kBTU/hr (2 ton)	8733965412	28.000	24.938	28.000
BOVA-36RXB-M15S	36 kBTU/hr (3 ton)	8733965413	28.000	24.938	28.000
BOVA-60RXB-M15S	60 kBTU/hr (5 ton)	8733965414	29.125	33.188	29.125
BIVA INDOOR AIR HANDLER					
BIVA-24RXB-M15X	24 kBTU/hr (2 ton)	8733965419	19.625	46.5	21.625
BIVA-36RXB-M15X	36 kBTU/hr (3 ton)	8733965420	19.625	46.5	21.625
BIVA-48RXB-M15X	48 kBTU/hr (4 ton)	8733965421	22.0	54.5	24.0
BIVA-60RXB-M15X	60 kBTU/hr (5 ton)	8733965422	22.0	54.5	24.0



IDS PORTFOLIO PAIRING		OUTDOOR UNIT
		IDS LIGHT (BOVA15)
Indoor unit	BIVA15	✓ (IDS Light System Combination)
	BIVA20	✓ (IDS Plus System Combination)
	Cased Coil Only	✓
	BGH96 + Cased Coil	✓

IDS Portfolio Pairing

Refer to the chart on the left for product combination availability.

IDS LIGHT FIELD INSTALLED ELECTRIC HEAT KITS		
MODEL NUMBER	PART NUMBER	DESCRIPTION
EHK-05B	8733977739	5 kW Electric Strip Heater
EHK-08B	8733977740	7.5 kW Electric Strip Heater
EHK-10B	8733977741	10 kW Electric Strip Heater
EHK-15B	8733977742	15 kW Electric Strip Heater
EHK-20B	8733977743	20 kW Electric Strip Heater

A2L ACCESSORY BOX

The A2L accessory Box is required when pairing the Bosch Low GWP Cased Coil with a 3rd party Furnace.

A2L ACCESSORY BOX	
PART NUMBER	DESCRIPTION
8733967005	A2L Accessory Box

BMAC CASSED COIL DIMENSIONS							
MODEL NUMBER	PART NUMBER	CASED			UNCASED		
		WIDTH	HEIGHT	DEPTH	WIDTH	HEIGHT	DEPTH
BMAC2430ABTA	8733965423	14.5	20.0	21.0	13.375	15.625	20.5
BMAC2430BBTA	8733965424	17.5	20.0	21.0	16.375	15.375	20.5
BMAC3036ABTA	8733965425	14.5	20.0	21.0	13.375	15.625	20.5
BMAC3036BBTA	8733965426	17.5	20.0	21.0	16.375	15.375	20.5
BMAC3036CBTA	8733965427	21.0	20.0	21.0	19.875	15.25	20.5
BMAC4248BBTA	8733965428	17.5	30.0	21.0	16.375	26.88	21.0
BMAC4248CBTA	8733965429	21.0	30.0	21.0	19.875	26.8	21.0
BMAC4248DBTA	8733965430	24.5	30.0	21.0	23.625	26.6	21.0
BMAC4860CBTA	8733965431	21.0	30.0	21.0	19.875	27.0	21.0
BMAC4860DBTA	8733965432	24.5	30.0	21.0	23.625	26.8	21.0



The Bosch BGH96 provides reliable, exceptional, & efficient heating during the cold winter months.

Bosch IDS Dual Fuel, Optimal Comfort For Every Season!

An Ideal Solution to Maximize Comfort & Efficiency



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Bosch BGH96
Product Brochure

Dual fuel systems are the ideal solution to maximize comfort and efficiency. In the summer, the Bosch IDS efficiently cools and dehumidifies your home. In the colder months, the system senses when it is more economical for the heat pump to shut off and the Bosch BGH96 gas furnace to take over. Installing a Bosch matched dual fuel system is the best choice to optimize both savings and comfort.



Outdoor Unit BOVA15



BMAC Cased Coil



BGH96 Furnace

System Efficiency

Dual fuel systems are the ideal solution to maximize comfort and efficiency. Bosch offers a complete dual fuel system with the Bosch Inverter Ducted Split (IDS) heat pump, BMAC cased coil, 96% AFUE Gas Furnace and the Bosch Connected Control thermostat. In the summer, the Bosch IDS efficiently cools and dehumidifies your home. In the shoulder seasons, the IDS system will provide the exact amount of heating or cooling that your home requires, no more, no less. In the colder months, the system senses when it is more economical for the heat pump to shut off and the Bosch BGH96 gas furnace to take over. Installing a Bosch matched dual fuel system is the best choice to optimize both savings and comfort.

Savings

Homeowners will see the savings on their energy consumption by converting up to 96% of the fuel purchased to heat their home. The furnace's two-stage gas valve switches between high and low fire settings, allowing enhanced comfort and more efficient operation.

Residential Limited Warranty[§]

You will receive replacement parts protection for up to 5 years and up to 20 years on the heat exchanger. This offering covers all components incorporated into the BGH96 Furnace at the time of manufacture. All other components or parts that from Bosch and installed in the field have a 1 year parts warranty.

LIGHT SERIES OUTDOOR UNIT + BMAC CASED COIL + BGH96 FURNACE AHRI 210/240 - 2023 PERFORMANCE DATA									
OUTDOOR UNIT MODEL	CASED COIL MODEL	PAIRING FURNACES	COOLING CAPACITY (BTU/H)			HEATING CAPACITY (BTU/H)			CFM
			TOTAL	EER2 ⁽³⁾	SEER2 ⁽⁴⁾	HI	HSPF2 ⁽⁵⁾	LOW	
❄️ BOVA-24RXB-M15S	BMAC2430ABTA	BGH96M060B3C	23600	10.6	16.0	24000	8.5	17600	750/550
❄️ BOVA-24RXB-M15S	BMAC2430ABTA	BGH96M080B3C	23600	10.6	16.0	24000	8.5	17600	750/550
❄️ BOVA-24RXB-M15S	BMAC2430BBTA	BGH96M060B3C	24000	10.6	16.0	24000	8.5	17600	750/550
❄️ BOVA-24RXB-M15S	BMAC2430BBTA	BGH96M080B3C	23600	10.6	16.0	24000	8.5	17600	750/550
BOVA-36RXB-M15S	BMAC3036ABTA	BGH96M060B3C	32400	10.0	16.0	34200	8.5	22800	1100/800
BOVA-36RXB-M15S	BMAC3036ABTA	BGH96M080B3C	32600	10.0	16.0	34200	8.5	22800	1100/800
BOVA-36RXB-M15S	BMAC3036BBTA	BGH96M060B3C	33000	10.5	16.0	34200	8.5	23000	1100/800
BOVA-36RXB-M15S	BMAC3036BBTA	BGH96M080B3C	32600	10.5	16.0	34200	8.5	23000	1100/800
BOVA-36RXB-M15S	BMAC3036CBTA	BGH96M080C4C	32800	10.5	16.0	34200	8.5	23000	1100/800
BOVA-36RXB-M15S	BMAC3036CBTA	BGH96M100C5C	32800	10.5	16.0	34200	8.5	23000	1100/1000
BOVA-36RXB-M15S	BMAC4248BBTA	BGH96M080B3C	33400	10.5	16.0	34200	8.5	23000	1100/800
BOVA-36RXB-M15S	BMAC4248CBTA	BGH96M100C5C	33600	10.5	16.0	34200	8.5	23000	1150/1000
❄️ BOVA-60RXB-M15S	BMAC4248BBTA	BGH96M080B3C	43000	10.5	16.0	44000	8.5	33000	1300/900
❄️ BOVA-60RXB-M15S	BMAC4248CBTA	BGH96M080C4C	43000	10.5	16.0	45000	8.5	33000	1300/900
❄️ BOVA-60RXB-M15S	BMAC4248CBTA	BGH96M100C5C	44500	10.5	16.0	47000	8.5	34000	1350/1150
❄️ BOVA-60RXB-M15S	BMAC4248DBTA	BGH96M100D5C	45500	10.5	16.0	47000	8.5	34200	1500/1150
❄️ BOVA-60RXB-M15S	BMAC4248DBTA	BGH96M120D5C	45500	11	16.0	47000	8.5	34200	1500/1150
BOVA-60RXB-M15S	BMAC4860CBTA	BGH96M100C5C	53500	10	16.0	54000	8.5	37600	1350/1150
BOVA-60RXB-M15S	BMAC4860DBTA	BGH96M100D5C	53500	10	16.0	54000	8.5	37600	1500/1150
BOVA-60RXB-M15S	BMAC4860DBTA	BGH96M120D5C	53000	10	16.0	53500	8.5	37600	1500/1150

LIGHT SERIES OUTDOOR UNIT + BMAC CASED COIL AHRI 210/240 - 2023 PERFORMANCE DATA									
OUTDOOR UNIT MODEL	CASED COIL MODEL	PAIRING FURNACES	COOLING CAPACITY (BTU/H)			HEATING CAPACITY (BTU/H)			CFM
			TOTAL	EER2 ⁽³⁾	SEER2 ⁽⁴⁾	HI	HSPF2 ⁽⁵⁾	LOW	
BOVA-36RXB-M15S	BMAC4248BBTA	-	33200	10.2	14.3	34200	8.0	23000	1000
BOVA-36RXB-M15S	BMAC4248CBTA	-	33200	10.2	14.3	34200	8.0	23000	1050
BOVA-36RXB-M15S	BMAC4248DBTA	-	33200	10.2	14.3	34200	8.0	23000	1100
BOVA-60RXB-M15S	BMAC4248BBTA	-	43500	10.0	14.3	46000	8.0	32600	1140
BOVA-60RXB-M15S	BMAC4248CBTA	-	44500	10.0	14.3	47000	8.0	32800	1300
BOVA-60RXB-M15S	BMAC4248DBTA	-	45000	10.0	14.3	48000	8.0	32800	1400
BOVA-60RXB-M15S	BMAC4860CBTA	-	53000	9.5	14.3	54500	8.0	37000	1300
BOVA-60RXB-M15S	BMAC4860DBTA	-	54000	9.5	14.3	55500	8.0	37400	1500

Blue Text = ENERGY STAR Certified V6.1. ❄️ = ENERGY STAR V6.1 Cold Climate and ENERGY STAR V6.1 certified. (3) Energy Efficiency Ratio; Certified per AHRI 210/240. (4) Seasonal Energy Efficiency Ratio; Certified per AHRI 210/240. (5) HSPF = Heating Seasonal Performance Factor; 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 for further details. NOTICE: Bosch's BGH96 96% Furnace is not to be sold or installed in the State of California in the South Coast Air Quality Management District or San Joaquin Valley Air Basin territory.

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.

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



BOSCH

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