

### **Maximum Comfort in Sub-Zero Temperatures: Meet Bosch's IDS Ultra Cold Climate Heat Pump**

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Bosch becomes the first manufacturer to launch a cold climate heat pump developed for DOE Challenge

**WATERTOWN, MASS.** -- Bosch Home Comfort, a leading source of high-quality heating, cooling and hot water systems, is unlocking a new product category with the market launch of its latest innovation, the IDS Ultra Cold Climate Heat Pump. Originally unveiled at the AHR Expo and Consumer Electronics Show (CES) in January 2024, the IDS Ultra Cold Climate Heat Pump is advancing HVAC industry solutions with a cold climate heat pump designed for all seasons—even when the temperature falls below zero.

“The IDS Ultra has been carefully designed and rigorously tested to withstand low temperatures while maintaining strong performance,” said Mohamad Nasab, Senior Product Manager. “With this latest innovation, Bosch is proud to be the first to market with an extreme heat system, as well as play a role in making energy-efficient home heating and cooling more accessible across almost all climate zones in the United States. We expect IDS Ultra to fulfill a major need for homeowners living in colder regions who are looking to reduce their carbon footprint while maintaining the same level of comfort, especially during those harsh winter months.”

One of just a handful of companies to undergo extensive testing, participate and receive certification from the Department of Energy’s Cold Climate Heat Pump Challenge—and the first solution from the challenge to enter the market. In order to meet the DOE Challenge’s criteria, the heat pump solutions had to meet certain heating performance baselines.

Bosch’s IDS Ultra can support climates reaching temperatures as low as -13° F, with a 100% heating capacity down to 5° F. Compared to 70% capacity on the IDS Premium. The IDS Ultra also achieves this greater capacity at a significantly

higher efficiency, a COP of 2.1. It is also compliant with the new low global warming potential (GWP) A2L refrigerant requirements. The IDS Ultra is the first cold climate heat pump to market that meets these criteria from the DOE Challenge.

Historically, the colder it is outside, the harder it is for heat pumps to extract heat from the air. However, the IDS Ultra is outfitted with an Enhanced Vapor Injection (EVI) compressor that allows more heat to be absorbed from very cold environments and directed to warm the home, boosting performance and overall comfort on the coldest days. Additionally, the IDS Ultra features demand response capability, allowing utilities (with the homeowner's permission) to manage electrical load intelligently prior to peak usage time to avoid outages.

The IDS Ultra qualifies for federal tax credits and state rebates as an Energy Star V6.1 Cold Climate certified product. Homeowners can visit [energystar.gov](https://energystar.gov) to learn more about the qualifying criteria and how to apply. The IDS Ultra also includes a Residential Limited Warranty and is widely compatible with existing air-to-air systems.

IDS Ultra heat pumps are now available for purchase by HVAC industry professionals in time for the 2024 winter season. For more information on IDS Ultra and Bosch Home Comfort solutions, please visit [bosch-homecomfort.us/ultra](https://bosch-homecomfort.us/ultra)

**Press photos and info charts are available on the Bosch Media Service at [us.bosch-press.com](https://us.bosch-press.com).**

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**About Bosch Home Comfort**

*Bosch Home Comfort is a leading source of high-quality heating, cooling and hot water systems. The Company offers Bosch tankless, point-of-use and electric water heaters, Bosch and Buderus floor-standing and wall-hung boilers, Bosch and FHP water-source, geothermal and air-source heat pump systems, as well as controls and accessories for every product line. Bosch Home Comfort is committed to reinventing energy efficiency by offering smart products that work together as integrated systems that enhance quality of life in an ultra-efficient and environmentally friendly manner.*

*Bosch strives to bring the most energy-efficient and environmentally responsible products to global consumers. In delivering the best products at affordable prices to our markets, Bosch has established multiple collaborations and joint ventures on a global scale to bring the latest technologies to North America. All global manufacturing facilities must adhere to stringent quality standards in order to provide the trusted Bosch brand. For more information, visit [www.bosch-homecomfort.us](https://www.bosch-homecomfort.us)*

## **About Bosch**

*Having established a presence in North America in 1906, today the Bosch Group employs 42,000 associates in more than 100 locations in the North American region (as of Dec. 31, 2023). Bosch generated consolidated sales of \$16.5 billion in the U.S., Mexico and Canada in 2023. For more information visit [www.bosch.us](http://www.bosch.us), [www.bosch.mx](http://www.bosch.mx) and [www.bosch.ca](http://www.bosch.ca).*

*The Bosch Group is a leading global supplier of technology and services. It employs roughly 429,000 associates worldwide (as of December 31, 2023). The company generated sales of \$99 billion in 2023. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology. With its business activities, the company aims to use technology to help shape universal trends such as automation, electrification, digitalization, connectivity, and an orientation to sustainability. In this context, Bosch's broad diversification across regions and industries strengthens its innovativeness and robustness. Bosch uses its proven expertise in sensor technology, software, and services to offer customers cross-domain solutions from a single source. It also applies its expertise in connectivity and artificial intelligence in order to develop and manufacture user-friendly, sustainable products. With technology that is "Invented for life," Bosch wants to help improve quality of life and conserve natural resources. The Bosch Group comprises Robert Bosch GmbH and its roughly 470 subsidiary and regional companies in over 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. Bosch's innovative strength is key to the company's further development. At 136 locations across the globe, Bosch employs some 90,000 associates in research and development, of which nearly 48,000 are software engineers.*

*The company was set up in Stuttgart in 1886 by Robert Bosch (1861–1942) as "Workshop for Precision Mechanics and Electrical Engineering." The special ownership structure of Robert Bosch GmbH guarantees the entrepreneurial freedom of the Bosch Group, making it possible for the company to plan over the long term and to undertake significant upfront investments in the safeguarding of its future. Ninety-four percent of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a charitable foundation. The remaining shares are held by Robert Bosch GmbH and by a corporation owned by the Bosch family. The majority of voting rights are held by Robert Bosch Industrietreuhand KG. It is entrusted with the task of safeguarding the company's long-term existence and in particular its financial independence – in line with the mission handed down in the will of the company's founder, Robert Bosch.*

*Additional information is available online at [www.bosch.com](http://www.bosch.com), [www.iot.bosch.com](http://www.iot.bosch.com), [www.bosch-press.com](http://www.bosch-press.com).*

*Exchange rate: 1 EUR = 1.0818*