



## Lennox Brings to Market Most Efficient Cold Climate Heat Pump Designed to Operate in Extreme Temperatures

February 20, 2025

*The Lennox SL22KLV Cold Climate Heat Pump delivers precise comfort while reducing environmental impact with low global warming potential (GWP) refrigerant.*

RICHARDSON, Texas, Feb. 20, 2025 /PRNewswire/ -- [Lennox Residential HVAC](#), a leader in innovative home comfort solutions, announced today the launch of the [Dave Lennox Signature® Collection SL22KLV Cold Climate Heat Pump](#), the most precise and efficient heat pump available. Designed to deliver efficiency and performance, the SL22KLV offers homeowners reliable comfort in temperatures as low as -20°F, with efficiency levels 150% higher at colder temperatures compared to standard heat pumps.



"At Lennox, we are committed to advancing HVAC technology to meet the evolving needs of our customers," said Prakash Bedapudi, Chief Technology Officer at Lennox. "The SL22KLV Cold Climate Heat Pump exemplifies our dedication to innovation, integrating cutting-edge features that ensure optimal performance and energy efficiency even in the most challenging climates."

The SL22KLV delivers impressive performance with efficiency ratings of up to 21.10 SEER2, 13.2 EER2, and 10.50 HSPF2, which can provide energy savings and year-round comfort. Its variable-speed compressor, equipped with electronic refrigerant injection (ERI) technology, dynamically adjusts energy usage based on outdoor temperatures, helping to lower energy costs. Additionally, the heat pump features a precision-balanced, direct-drive fan and sound-dampening system for ultra-quiet operation and a peaceful home environment.

For added convenience, the SL22KLV Cold Climate Heat Pump pairs seamlessly with the Lennox S40 Smart Thermostat to create a digital in-home comfort system that automatically adjusts settings to maintain temperatures more accurately and efficiently. Built-in sensors allow the system to optimize performance and assist dealers with routine maintenance and troubleshooting on the unit.

Lennox has remained a leading innovator in next-generation heating and cooling systems for 130 years. In 2022, Lennox was the first company to complete the first phase of the U.S. Department of Energy's (DOE) Residential Cold Climate Heat Pump (CCHP) Technology Challenge, further cementing its legacy of sustainable and reliable home comfort solutions. The SL22KLV is an enhancement of the unit developed for the 2022 DOE CCHP Technology Challenge and leverages the latest technology to push the boundaries of efficiency.

Designed to meet updated EPA refrigerant regulations, the SL22KLV Cold Climate Heat Pump uses the low global warming potential R-454B refrigerant, reducing environmental impact without compromising performance. This product is also eligible for the [Energy Efficient Home Improvement Credit](#), a federal tax credit homeowners may qualify for when installing high-efficiency equipment, in addition to other local utility and provincial incentives as provided in a region.

The SL22KLV Cold Climate Heat Pump is now available for order through [local Lennox dealers](#). For more information about the SL22KLV and other industry-leading Lennox products, visit [www.lennox.com](http://www.lennox.com).

### ABOUT LENNOX

Lennox (NYSE: LII) is a leader in energy-efficient climate-control solutions. Dedicated to sustainability and creating comfortable and healthier

environments for our residential and commercial customers while reducing their carbon footprint, we innovate with our cooling, heating, indoor air quality, and refrigeration systems. Additional information on Lennox is available at [www.lennox.com](http://www.lennox.com).

**Media Contact**

[pr@lennox.com](mailto:pr@lennox.com)

**Investor Contact**

[investor@lennox.com](mailto:investor@lennox.com)



View original content to download multimedia: <https://www.prnewswire.com/news-releases/lennox-brings-to-market-most-efficient-cold-climate-heat-pump-designed-to-operate-in-extreme-temperatures-302380617.html>

SOURCE Lennox International Inc.