

January 22, 2024

Daikin Presents a “Simple. Powerful. Sustainable.” Approach to Decarbonization at the 2024 AHR Expo

As a global HVAC solutions leader, Daikin will exhibit innovative solutions that help home and building owners reduce energy use and carbon emissions

Daikin, the world's preeminent air-conditioning company, will highlight its commitment to leading the HVAC industry's transition to a sustainable future at the 2024 AHR Expo, Jan. 22-24 in Chicago. As a longstanding AHR Expo exhibitor, Daikin will display a wide range of heating and cooling solutions from across its portfolio, with a focus on decarbonizing homes and buildings to help improve the environment inside and out while reducing utility and operating costs. The Daikin booth will be the largest at the 2024 AHR Expo, spanning approximately 743 square meters (8,000 square feet).

The AHR Expo is one of the world's largest HVAC&R exhibitions, which has been held in the U.S. since 1930. Companies in the air conditioning, heating, and refrigeration sectors from around the world exhibit their latest products and technologies.



“Daikin has been at the forefront of HVAC solutions for decades,” said Philip Johnston, General Manager, Environmental Business Development Center at DAIKIN APPLIED AMERICAS INC. “As industry demands evolve based on emerging climate-related HVAC challenges, Daikin has the talent, technology and services to deliver unique, tailored solutions to customers who want to decarbonize.”

At AHR Expo, Daikin will showcase a “Simple. Powerful. Sustainable.” approach to decarbonization that revolves around the core technologies — low-global warming potential (GWP) refrigerants, inverter compressors and heat pumps — developed to create more comfortable, efficient and planet-friendly spaces to live and work. Offerings featured at the expo will include:

Simple: R-32 Refrigerant

Daikin is focused on the “right refrigerant for the right application” by assessing four basic factors comprehensively: safety, environmental impact, energy efficiency, and cost-effectiveness. Daikin is integrating low-GWP refrigerants that reduce the climate impact of heating and cooling homes and buildings. In particular, the company has committed to R-32 refrigerant in applications that previously used R-410A, which is being phased out due to state and federal regulations. R-32, a single-component refrigerant, has two-thirds less GWP than R-410A, and more than 230 million R-32 HVAC units are installed in over 130 countries.

Powerful: Inverter Compressors

Inverter compressors are foundational to energy-efficient heating and cooling. With inverter technology, Daikin HVAC systems optimize energy use and eliminate wasted operation by precisely controlling the motor speed within a unit’s compressor. Inverter-based systems offer additional benefits including quiet operation, consistent temperature and comfort, and reduced environmental impact.

Sustainable: Heat Pumps

As the industry moves away from fossil fuels, residential and commercial heat pumps deliver electricity-powered heating and cooling, eliminating the need to use standard combustion methods, and reducing indirect carbon emissions associated with powering HVAC units. Daikin offers an extensive lineup of inverter heat pump systems, providing immense flexibility for all applications.

About the 2023 AHR Expo

(The International Air-Conditioning, Heating, Refrigerating Exposition)

Sponsors: ASHRAE and AHRI

Date: January 22nd to 24th, 2024

Location: McCormick Place 2301 S King Dr., Chicago, IL 60616

Exhibitors: 1600+ manufacturers and others related to HVAC&R industries.

[The 2024 AHR Expo Official Website](#)