



AHREXPO

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AHR 2024 Highlights

January 22 - January 24

By: Beyond Design, Inc.

AHR EXPO 2024 HIGHLIGHTS

The International Air-Conditioning Heating Refrigerating Exposition (AHR EXPO) 2024 took place in Chicago from January 22 to 24. AHR Expo is the largest HVAC trade show in North America, drawing over 2,000 companies annually. The gathering of manufacturers, suppliers, contractors, and engineers serves as a platform to exchange ideas and showcase the future of HVACR and plumbing technology.



BOSCH

The Bosch IDS Ultra heat pump transforms cold-weather heating by delivering efficient warmth in temperatures as low as -13°F. The device meets rigorous DOE Cold Climate Challenge standards through lab and field testing. The IDS Ultra is available in capacities up to 5 tons. It integrates with

the Bosch EasyAir App, and the device offers a suite of IoT features, including remote and onsite monitoring, as well as energy usage feedback.



INTELLIHOT

Switch to electric innovation with the world's first tankless heat pump water heater, the iE1. The iE1 has a COP of 4.9 and an integrated tankless heat pump water heater featuring a specially-designed thermal battery. Made for high-pressure multistory buildings, this system effectively

tackles hard water scale, is grid-enabled (CTA-2045), and can wirelessly cascade over Bluetooth (up to four units), while producing water temperatures up to 170°F.



BITRIP

BitRip is an all-in-one tracking solution for materials, equipment, digital assets, and safety codes. This product stores information, but unlike QR Codes, their BR Code™ Scannable Solutions offer superior configuration options, flexibility for different uses, and physical durability. The BR codes come preprinted on a tape roll, ready for immediate field deployment and have enhanced security and monitoring to keep your information private.

HITACHI

The airCore 700 is a new light commercial split system which integrates features to deliver exceptional comfort, achieve remarkable energy efficiency, ease installation, and simplify maintenance processes. It includes an upgraded fan and fan grille, improving both heat discharge and overall aesthetics to meet the exacting standards of engineers, business owners, and designers.



SPAN

SPAN Panel replaces your existing electrical panel and turns any home into a smart home. Giving you control over every circuit and providing money saving energy usage insights from their SPAN Home App. The SPAN Panel assists you in reducing your energy bill, allowing you to prioritize crucial

circuits during a power outage for extended battery life. It enables real-time adjustments to your stored energy usage, even when you're away.



JOHNSON CONTROLS

The York YMAE Air-to-Water Inverter Scroll Modular Heat Pump incorporates cutting-edge electronic vapor injection (EVI) scroll compression technology, allowing it to achieve hot water temperatures up to 140°F even in ambient conditions as low as 13°F. This innovation is accomplished through the utilization of the low-GWP refrigerant R-454B.



DAIKIN

At the core of energy-efficient heating and cooling, inverter compressors are pivotal. Daikin HVAC systems, leveraging inverter technology, finely control the motor speed within the compressor to optimize energy usage and eliminate wasteful operation. The advantages of inverter-based systems extend beyond efficiency,

encompassing benefits such as quiet operation, consistent temperature and comfort, and a reduced environmental impact.

MARLEY

The Architectural Heavy-Duty Wall Heater (AWH Series) provides powerful warmth in any space. With BMS compatibility through an optional relay, the AWH ensures seamless integration into



building management systems. The contemporary bar-stock grille optimizes airflow for efficient heating, while the manual reset thermal overheat protector enhances safety by disconnecting power during accidental blockage. The built-in tamper-resistant thermostat adds to the functionality and security of these advanced wall heaters.



ENGINUITY POWER SYSTEMS

Enginuity's innovative home private generation appliance simplifies energy solutions by replacing a conventional gas-fired water heater with a single unit. This unit efficiently caters to hot water, space heating, and electricity needs, embodying the ethos of 'Simply Efficient.' Notably, the Enginuity 8kW and 20kW combined heat and power systems achieve this with minimal additional natural gas usage, tapping into America's abundant energy source.



RHEEM

The Rheem® Endeavor™ Ultra Low NOx R951V gas furnace not only provides highly efficient heating but also adheres to California's mandatory ultra low NOx regulation in three AQMD districts and complies with Colorado's new Ultra Low NOx state rule. Featuring Rheem's EcoNet® system, the R951V is a fully communicating furnace that facilitates automatic setup and configuration. Utilizing Bluetooth technology and a contractor app, this furnace engages with contractors and homeowners for setup, service, and diagnostics without requiring service panel removal. The Bluetooth app offers comprehensive information, including service details, parts lists, installation instructions, and links to all furnace data.



FELLOWES



Array is a groundbreaking solution that efficiently improves indoor air quality. This innovative approach combines proprietary technology with H13 True HEPA filtration and a suite of indoor air quality sensors. Real-time data enables monitoring, tracking, and enhancing building-wide air quality.

