



News Release

Daikin Innovations Advance Air Intelligence™ at AHR EXPO 2019

Industry-leading products in booth demonstrate Daikin's commitment to maintaining its status as the world's leading HVAC manufacturer

ATLANTA— January 14, 2019 — Revolutionary products and experiences are at the center of Daikin's presence at this year's AHR Expo. The Daikin booth will highlight new, advanced residential and commercial HVAC equipment for providing superior air to end-users. Daikin's Innovation Roadshow trailer also made the trip to Atlanta, and is featured as an interactive demonstration of Daikin's industry-leading commercial HVAC solutions, for show attendees to experience Daikin's advanced technology first-hand.

"Daikin is invested in the next generation of HVAC technology by continuously creating innovative solutions for improving building efficiency," said Mike Schwartz, CEO of Daikin Applied Americas. "With the Innovation Roadshow trailer, we are able to give visitors a unique and immersive experience with the latest Daikin technology. Customers can dive into the products and fully experience how buildings of all sizes can benefit."

Debut of new Daikin *One*™ Ecosystem

With the introduction of the Daikin *One* ecosystem, Daikin is up-ending the status quo in the HVAC market, where players have been conservative in adopting IoT technologies and, until recently, relegated leadership in the smart thermostat category to consumer electronics brands. At the heart of the new Daikin *One* ecosystem is the new Daikin *One+*™ smart thermostat, engineered to communicate seamlessly with all Daikin *One* ecosystem components, including the new Daikin *Fit*™ condensing units, Daikin *One* air cleaners, and communicating furnaces and evaporator coils.

The new *Daikin One+* smart thermostat is the first smart thermostat to offer full two-way communications and serves as a cloud-connected hub and controller for sophisticated, communicating HVAC systems. In combination with Daikin's smart inverter HVAC systems, such as the new Daikin *Fit*™ systems, the Daikin *One* ecosystem of indoor air quality modules provides an unparalleled, integrated solution for temperature control and air quality. It allows people to "*Visualize the Air*™" inside their home and reacts on cues to provide a premium indoor air environment. That's "*Air Intelligence*™."

The Daikin *Fit* system provides a cost-competitive condensing unit in the mid-efficiency category with clear design and performance advantages. Daikin *Fit* condensing units are engineered with high performing,



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quiet inverter compressors and side discharge cabinet designs that are smaller, lighter and quieter than traditional residential unitary outdoor condensing units and provide efficiencies up to 18 SEER.

“This past year, Daikin has again engineered revolutionary HVAC technologies for the North American market. As we move into 2019, the Daikin team looks to find more success by continuing to drive *Air Intelligence* with new HVAC technology,” said Takayuki (Taka) Inoue, Executive Vice President and President, Daikin North America LLC.

New VRV products from Daikin include the following:

- **New VRV LIFE™ System**

The VRV LIFE™ system is the industry’s first single phase VRV heat pump with optional gas furnace connectivity for residential applications. The system offers solutions to some of the traditional HVAC challenges for single-family applications. The slim, quiet, inverter-driven VRV LIFE system outdoor unit can accommodate up to nine indoor units with multiple ducted and ductless styles for design and application flexibility. All indoors can be controlled and integrated using Wi-Fi based controls.

- **New VRV IV X Heat Recovery System**

Daikin’s new VRV IV X heat recovery systems adapt Daikin’s industry leading VRV technology to the unique North American HVAC market. VRV IV X is the industry’s first VRV system to be engineered and assembled in North America. VRV IV X systems are packed with features that provide solutions to traditional commercial HVAC challenges of North America. VRV IV X heat recovery systems are engineered with features that provide ease of configurability and optimal total life cycle cost for multi-phased installations and buildings with changing applications. VRV IV X systems are the industry’s first dual fuel, 3-phase, VRV systems. The ability to integrate VRV IV X systems with Daikin communicating gas furnaces provides a choice of heat pump or gas heating. The VRV IV X systems are also the first in the industry to simultaneously launch 208/230V, 460V, and 575V systems.

Other new applied products from Daikin include the following:

- **OptiLine™ Hydronic Vertical Stacked Fan Coil**

With the smallest footprint in the industry, Daikin’s new OptiLine™ is the ideal solution when livable space is at a premium. Engineered for high-rise apartments, office buildings, dormitories, and hotels, OptiLine provides new levels of quiet, comfortable, and economical heating and cooling in a



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very slender package. Daikin engineers designed *OptiLine* to efficiently condition air from 300 to 1200 cfm, optimally matching a building's space restrictions and efficiency needs.

- ***PreciseLine*® Large Capacity Blower Coil**

Daikin's large capacity horizontal blower coil affordably conditions air to precise levels up to 5000 cfm, designed to match a building's air handling demand at a blower coil price point. *PreciseLine* offers a wide range of standard features that sets this blower coil above the rest. Standard double-wall foam construction provides high energy efficiency and budget-minded lifetime performance, all while conditioning air for large spaces in a small package to meet a wide range of building designs.

- **Daikin Applied *Rebel*® Commercial DOAS with *CORE*® Enthalpy Energy Ventilator**

Rebel® DOAS with *CORE*® pairs the ultra-high efficiency of *Rebel*'s inverter compressor, which maintains extremely consistent tempering of the ventilation air, with energy savings of the *CORE*'s full enthalpy heat exchanger, to provide clean, cool, dry air to the occupied space. The perfected combination of these technologies allows the HVAC installer to provide the highest quality of conditioned fresh air for most applications while not having to compromise energy efficiency.

- **Daikin *Intelligent Solutions*®**

Daikin's *Intelligent Equipment*® connects directly to 150 points on rooftop units and 350 points on air-cooled chillers to monitor energy consumption at the equipment level for deeper, more accurate performance measurement. Daikin *Intelligent Systems*® can connect up to 127 total devices in a system, with easy-to-use controls, to achieve high performance and efficiency at a building system level.

- **Air-cooled and water-cooled chillers with advanced compressor technology**

Daikin's *Pathfinder*® (air-cooled) and *Magnitude*® (water-cooled) chillers are both available with compressor technology to maximize efficiency. Magnitude chillers are up to 40 percent more efficient than standard centrifugal chillers with oil-free, magnetic bearing compressor technology. Pathfinder AWW features the industry-first Variable Volume Ratio (VVR®) technology which allows the chiller's compressor to optimize performance for every condition and at every hour of the day, significantly improving efficiency levels.

- **100 percent outside air water source heat pumps**

Daikin's *SmartSource*® DOAS 100 percent outside air water source heat pump offers superior discharge air temperature and humidity control at an economical price. Its unique design allows for 100 percent outside air heating down to 0°F entering air without the use of pre-heat.



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To learn more about these and other innovative solutions from Daikin at AHR Expo, please visit us at booth B3239 in the Georgia World Congress Center in Atlanta from January 14-16, 2019.

About Daikin

Daikin Industries, Ltd. (DIL) is a Fortune 1000 company with more than 70,000 employees worldwide, and is the world's number 1 air conditioning company. Daikin North America LLC (DNA) and Daikin Applied (DAA) are both subsidiaries of DIL. DNA, DAA and their affiliates manufacture heating and cooling systems for residential, commercial and industrial use and are sold via a select group of independent HVAC contractors. DIL manufacturing operations include facilities at Houston, TX, Fayetteville, TN, Faribault, MN, Owatonna, MN and Verona, VA. For additional information, visit www.daikin.com.

Additional Information:

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost, or energy efficiency rating that is available from your retailer.

The "Daikin" and "VRV" trademarks are owned by Daikin Industries, Ltd. and Registered in the U.S. Patent and Trademark Office.

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Media Contacts

Susan Kaufman
Daikin Applied
763-203-1679
susan.kaufman@daikinapplied.com

Marc Bellanger
Daikin North America
713-263-5505
marc.bellanger@daikincomfort.com

Cassie Batinich
Weber Shandwick/Daikin Applied
952-346-6073
cbatinich@webershandwick.com