



Mitsubishi Electric Introduces H2i R2-Series VRF Zoning Systems

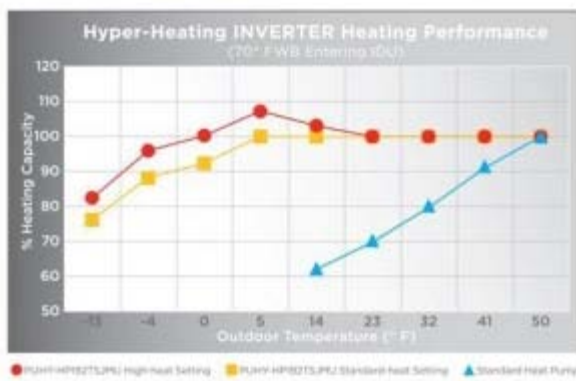
HVAC, PRODUCT NEWS · FEBRUARY 6, 2014



SUWANEE, Ga. — Mitsubishi Electric US Cooling & Heating Division has introduced the Hyper-Heating R2-Series of Variable Refrigerant Flow zoning systems. It can operate at up to 100 percent of its rated heating capacity at temperatures down to zero degrees Fahrenheit – the highest performance heating capacity at the lowest temperature in its field. The H2i R2-Series joins the Hyper-Heating INVERTER family of products, the most complete family of cold climate heating products. The patented flash injection technology allows the H2i R2-Series to simultaneously cool and heat down to minus 4 degrees Fahrenheit.

“The H2i R2-Series is the most significant development in commercial VRF cooling and heating since we first introduced VRF zoning technology to the U.S. market in 2003 and later pioneered hyper-heating capabilities in 2007,” says Mark Kuntz, vice president, marketing & engineered solutions, Mitsubishi Electric US Cooling & Heating Division. “With the addition of the H2i R2-Series to our family of products, we now offer the most complete family of cooling and heating products with cold climate performance capabilities for almost any application.”

No other manufacturer has achieved the same level of heating capacity at low ambient conditions as the H2i R2-Series – available up to 16 tons. In addition to heating at 100 percent at zero degrees Fahrenheit, the system can operate at 85 percent heating capacity down to minus 13 degrees Fahrenheit (see chart below).



“The system is the ideal solution for commercial applications in climates such as the Midwest and New England where winter temperatures dip as low as 10 degrees Fahrenheit,” says Kuntz. “The simultaneous cooling and heating capability is uniquely suited to service buildings in these climates that require varied heating and cooling points, such as multifamily housing, educational and institutional buildings, office buildings, data centers and healthcare facilities.”

The unique two-pipe configuration allows for more efficient design and installation, while the compact system components, as with all Mitsubishi Electric VRF zoning systems, allow for convenient application to both historic retrofit and new building construction. One outdoor unit can connect to up to 48 indoor units, and the heat pump is compatible with all CITY MULTI indoor unit styles, including ducted ceiling-concealed and vertical-concealed types, and ductless ceiling-recessed cassette, ceiling-suspended, floor-standing and wall-mounted types. The H2i R2-Series features up to 150 percent connected capacity.

“This enhanced Hyper-Heating INVERTER technology eliminates the need for supplemental heat in many cases, saving installation time, improving energy efficiency and addressing significant industry demand to provide heat pump operation in extreme conditions without relying on fossil fuels,” says Kuntz.

technical support departments at 1-800-231-3345.

Photo caption from left to right: David Smith, president, RectorSeal, Houston, Texas; Gabriel Isaacs, former chief operating officer of RCT and now COO of Vizco, Sarasota, Fla.; Henry J. Gohlke, vice president, Capital Southwest Corp., Dallas, an investment firm of which RectorSeal is a portfolio company.

LG Electronics Introduces Dedicated Outside Air Solution with Energy-Saving VRF Technology

HVAC, [PRODUCT NEWS](#) · JANUARY 31, 2014



NEW YORK, N.Y. — LG Electronics USA's Commercial Air Conditioning division has augmented its range of Variable Refrigerant Flow solutions with the new LG Dedicated Outdoor Air System.

The LG DOAS can be used in multiple settings, meeting the needs of a wide variety of end-users. It provides dehumidification of outdoor air using LG's inverter compressor outdoor units. In addition to being seismically certified by California

Office of Statewide Planning & Development, this high-quality dedicated outdoor air system is designed to provide conditioned outdoor air and maximum energy savings.

The unit is designed to deliver flexibility to meet the local design conditions, complete with three different airflow rates of 2000, 1600 and 1200 cfm. The DOAS also retains external static pressure of up to 1.65 inches and offers long-lasting comfort with a fan that stays on during the defrost cycle. This innovative DOAS by LG comes with MERV 8 filters included, but the filter rack can also accommodate up to MERV 14 filters.

The versatile DOAS can be used in various settings, such as healthcare, retail, banking, hotels and residential, making it an ideal option for a variety of building needs. Its low profile design allows for seamless installation above ceilings, and web accessible controls deliver unrivaled convenience and comfort.

For information on the complete portfolio of LG's Commercial Air Conditioning solutions, visit www.lg.com.

Source: LG Electronics USA, Inc.

Fresh-Aire UV Announces Daugherty Sales as 'Rep of the Year 2013'

[UNCATEGORIZED](#) · JANUARY 30, 2014



NEW YORK, N.Y. – Fresh-Aire UV, Jupiter, Fla., named Daugherty Sales Co. Inc., Charlotte, N.C., as its "Rep of the Year 2013" at the International Air-Conditioning, Heating and Refrigerating Exposition Jan. 21, in New York City.

The 14-year-old manufacturer's representative firm presented dozens of UV technology seminars and installation tips on Fresh-Aire UV's APCO, Blue-Tube UV and the Mini-UV System to large HVAC contracting companies and wholesale distributors throughout its territory of North Carolina and South Carolina.

Fresh-Aire UV also issued the "Rookie of the Year" to manufacturer's

representative, Brian Bushnell, principal, HBB Pro Sales Group, Chagrin Falls, Ohio.

“After eight years as our rep, Daugherty Sales exemplify what a long-lasting manufacturer and representative relationship should be,” said Ron Saunders, vice president, Fresh-Aire UV.

The rep firm also diversified into commercial markets in 2013 with projects such as a large pharmaceutical plant HVAC systems that Daugherty helped consulting engineers retrofit for UV. The plant's more than 100,000 cfm of air handlers were retrofitted to use dozens of Fresh-Aire UV's TRS Series of UV light systems for mold and biological contaminant elimination.

For more information on Fresh-Aire UV products, visit www.freshaireuv.com.

Photo from right to left: Chris Willette, president, Fresh-Aire UV, Daugherty Sales Company's (left) Scott Daugherty, president and (right) Justin Revels, regional sales manager.

Snow Storm Didn't Dampen Spirits at Record-Breaking 2014 AHR Expo in NYC

INDUSTRY NEWS · JANUARY 30, 2014



WESTPORT, Conn. — Despite a storm that dropped 10 inches of snow on New York City and created a state of emergency in parts of New York, the severe weather couldn't stop thousands of determined attendees and exhibitors from filling the aisles and booths at the 2014 AHR Expo held at the Javits Convention Center on Jan. 21-23.

According to show organizer International Exposition Company, a total of over 61,000 attendees (42,991 visitors and 18,219 exhibitor personnel) registered for the 2014 AHR Expo. HVACR professionals from all 50 states and over 130 countries braved the elements to see the latest products and technologies on display from over 1,900 exhibiting companies from around the world. Pending verification, these figures make the 2014 AHR Expo the event with the highest-registered attendance in the history of the exposition.

“We were obviously very concerned when the weather forecast predicted there would be a snow storm on opening day and arctic cold the last two days of the show,” said Clay Stevens, president of International Exposition Company. “However, we were encouraged when we saw thousands of people pouring into the show as if the weather wasn't even a factor.”

“We were very happy with the attendance, as were all the exhibitors and attendees we spoke with,” Stevens added. “However, I'm sure we would have blown away the all-time attendance record even more if the weather hadn't been so severe.”

It was announced before the show that the 2014 event had already broken the Northeast record for exhibit space reserved at 385,000 square feet. That total exceeded the old record by nearly 6 percent.

The 2014 AHR Expo is co-sponsored by ASHRAE and AHRI. The Heating, Refrigeration and Air-Conditioning Institute of Canada is an honorary sponsor. For more information, visit www.ahrexpo.com.