



the NEWS

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INDUSTRY BRIEFS

Price Increase

■ **Baltimore Aircoil Co.** (Baltimore) has announced a price increase of 3-5 percent on all new equipment and accessories manufactured in North America, and aftermarket parts have increased up to 7 percent, and equipment controls have increased up to 10 percent, effective immediately.

Manufacturers

■ **LG Electronics USA** (Atlanta) named **Kevin McNamara** vice president of Commercial Air Conditioning.



■ **Purafil** (Doraville, Ga.) appointed **Thomas Ramsey** director of business development.



■ **John Guest® USA** (Fairfield, N.J.) has added three manufacturer rep agencies to its sales roster for the Speedfit® push-fit line of fittings: **The Walter S. Morris Co.** (Foxboro, Mass.), **BWA South** (Hilliard, Ohio), and **Triangle Sales** (Bridgeville, Pa.).

■ **Emerson Climate Technologies** (St. Louis) appointed **Kent Hiland** as president of Emerson Climate Technologies — Latin America.



■ **ICOR International Inc.** (Indianapolis) has named **Jamie Magee** national account manager within its refrigerant reclamation division, Refri-Claim®.



■ **Geosystems LLC** (Maple Grove, Minn.) added **Stephen Kesler** as quality manager, **Jennifer Holden** as customer service manager, and **Nic Wahlquist** as technical support representative.

■ See **FYI** page 7

Energy Star Guidelines Become More Rigorous

By Joanna R. Turpin of *The NEWS* Staff

Since its inception in 1995, the goal of the Energy Star for New Homes program has been to help homebuyers identify homes that are significantly more energy efficient than typical homes in the marketplace. As code requirements have become more rigorous over the years, the Environmental Protection Agency (EPA) has responded by modifying the Energy Star guidelines periodically to ensure that new homes that earn the label continue to represent a meaningful improvement in efficiency, comfort, and quality over non-labeled homes.

In 2010, EPA released new guidelines required for homes to earn the Energy Star label (called Version 3). The new guidelines were needed to ensure that Energy Star-qualified homes continued to out-perform homes built to minimum code and standard building practices and to address key building science improvements to enhance home quality and durability. Certain elements of the Version 3 guidelines are being phased in during 2011 — under the auspices of Version 2.5 — but they become fully mandatory on Jan. 1, 2012.

At that point, EPA will require that the HVAC systems in all homes that earn the Energy Star label be installed

■ See **ENERGY STAR** page 54

Showcase Helps Prep for Cooling Season

Every year *The NEWS* introduces the latest air conditioning units available for the upcoming summer season. The intent is to help contractors prepare for this busy period by doing the research that will help them to distinguish between brands.

Like last year, this year's Cooling Showcase is split into two parts — commercial and residential. The commercial informa-

tion will be published in the May 2 issue, while this issue will focus on the residential/light commercial side of the air conditioning industry. The coverage features specific information about each individual product as submitted by the manufacturers.

Included in the coverage is the product grid, which includes technical facts, such as unit tonnage, refrigerant type, efficiency rating, and cooling capacity. The photo

feature, which begins on page 8, provides more in-depth information on the features of each individual unit and also includes technical support information from the manufacturer. The manufacturers provided all of the data included in the product grid, as well as in the photo feature. Therefore, any questions should be directed to them via the contact information provided in the photo feature section. ■

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REPLACEMENT PARTS COMPATIBILITY: Some shared parts, some unique.

ADDITIONAL FEATURES: Anti-ice circuit prevents the fan from snow build-up in the winter. Long pipe run capability, up to 245-foot length and 100-foot elevation, for increased flexibility.

WARRANTY INFORMATION: Standard and extended warranties are available (up to 10 years on the compressor).

SPECIAL INSTALLATION REQUIREMENTS: Manufacturer did not specify.

CONTACT: Carrier Corp.; www.carrier.com.

eProduct 225

Trane

MODEL: Hyperion air handler

FOOTPRINT (INCHES): 50-62 (length) by 18-24 (width) by 22 (height)

SERVICEABILITY FEATURES: Modular cabinet disassembles for single-person installation. Front sight glass allows circuit board diagnostic lights to be viewed without cabinet panel removal. Coil and blower pullout using a new integrated rail system. Panel identifiers and quarter-turn fasteners facilitate installation and service.

TECHNICAL SUPPORT: Contact local distributor.

TECHNICAL MATERIALS: The Comfort-Site intranet site for dealers and distributors allows access to current support materials, including catalogue pages, installer guides, service facts, dealer sheet, product data, submittals, and owner manuals.

NOISE-REDUCTION FEATURES: The Vortica™ blower, designed for quiet, efficient operation, uses less energy to deliver more air while reducing energy consumption, carbon emissions, and noise. The Air-Tite™ II cabinet with double-wall construction and enclosed foam insulation provides quiet operation.

IAQ EQUIPMENT SUPPORTED: CleanEffects whole-house air cleaner removes up to 99.98 percent of all the particles and allergens from the filtered air.

THERMOSTAT COMPATIBILITY: Compatible with most thermostats.

REPLACEMENT PARTS COMPATIBILITY: Shares replacement parts with other models.

ADDITIONAL FEATURES: Constructed more like a refrigerator than a typical air handler, with insulation fully enclosed in double walls of the Air-Tite II cabinet, preventing condensation. The cabinet also eliminates loose fibers from fiberglass insulation that may enter the airstream.

WARRANTY INFORMATION: Base limited for XL and XR air handlers; one-year functional parts, or 10-year functional parts with product registration. Base limited for XB air handlers; one-year functional parts, or five-year functional parts with product registration. If installed concurrently with a Trane outdoor unit and thermostat, the registered limited warranty terms of the Hyperion air handler will match the registered limited warranty terms of the outdoor unit. Optional extended warranties are available.

SPECIAL INSTALLATION REQUIREMENTS: None.

CONTACT: Trane, 903-581-3467; www.trane.com.

eProduct 226



MODEL: Precedent packaged units, gas/electrics (YHC037, 047, 067) and cooling packaged products (THC037, 047, 067)

FOOTPRINT (INCHES): 70-89 (length) by 44-53 (width) by 36-41 inches (height)

SERVICEABILITY FEATURES: Single side service through Quick-Sess™ panels. ReliaTel™ controls with test modes, and colored and numbered wiring. Variable-speed, direct-drive motor. Patented, hybrid coil for ease of cleaning, and factory-installed options (hail guards, disconnects, 115-vac outlets, and hinged access doors).

TECHNICAL SUPPORT: Available through local distribution, plus factory support.

TECHNICAL MATERIALS: RT-SVD03*-EN (micro guide)

NOISE-REDUCTION FEATURES: Foil-faced insulation.

IAQ EQUIPMENT SUPPORTED: MERV-13, 2-inch pleated filters — factory-installed option; 2-inch filters standard; slide-out, double-sloped, noncorrosive drain pan; CO₂ sensing, clogged-filter switch, and cleanable, foil-faced insulation.

THERMOSTAT COMPATIBILITY: Compatible with most thermostats.

REPLACEMENT PARTS COMPATIBILITY: Shares replacement parts with other models.

ADDITIONAL FEATURES: Super-high-efficiency, two-stage systems (17+ SEER). Variable-speed indoor fan provides commercial Comfort'R™ for comfort and humidity control. ReliaTel controls (with energy-saving programming standard when applied with Trane zone sensors), test modes. Numerous factory-installed and -tested options, for improved installation and reduced callbacks.

WARRANTY INFORMATION: Five-year compressor, five-year standard gas heat exchanger, 10-year stainless steel heat exchanger.



SPECIAL INSTALLATION REQUIREMENTS: The zone sensor can be installed a greater distance from the unit without increasing the size of the control wiring (reducing installation cost for the installing contractor).

CONTACT: Trane, 903-509-7240; www.trane.com.

eProduct 227

WaterFurnace

MODEL: Envision geothermal heat pump

FOOTPRINT (INCHES): Manufacturer did not specify.

SERVICEABILITY FEATURES: Tool-less filter rack, lift-out panels, swing-out control box, onboard diagnostics.

TECHNICAL SUPPORT: 24/7 factory-direct technical support for dealers.

TECHNICAL MATERIALS: Specification catalog (SC1000AN), installation manual (IM1000AN), submittal data (SD1000AN), wiring diagrams.

NOISE-REDUCTION FEATURES: Compressor blankets, double-isolated base pans, insulated cabinets.



IAQ EQUIPMENT SUPPORTED: MERV-13 filters, AlpinePure ERV/HRV, electronic air cleaners, AlpinePure HEPA filter.

THERMOSTAT COMPATIBILITY: Compatible with most thermostats.

REPLACEMENT PARTS COMPATIBILITY: Shares replacement parts with other models.

ADDITIONAL FEATURES: Factory run-tested for quality assurance, support for dealers as well as consumers.

WARRANTY INFORMATION: Ten-year parts and labor allowance with the option to buy down to a five year.

SPECIAL INSTALLATION REQUIREMENTS: No.

CONTACT: WaterFurnace International, 260-478-5667; www.waterfurnace.com.

eProduct 228

Westinghouse

MODEL: ES4BF air conditioner

FOOTPRINT (INCHES): 31 (length) by 31 (width) by 43 (height)

SERVICEABILITY FEATURES: Copeland Scroll UltraTech compressor operates with two stages of cooling capacity for comfort and efficiency. A composite base pan absorbs sound and is corrosion resistant. Access panels are provided to all controls and the compressor from the side of the unit.

TECHNICAL SUPPORT: Available at 800-422-4328 Monday-Friday, 8 a.m.-4:30 p.m. Central.

Technical literature and training videos are available at <http://nordyneu.com/>.

TECHNICAL MATERIALS: Technical specs, wiring diagrams, and installation instructions are available on <http://nordyneu.com/>.

NOISE-REDUCTION FEATURES: Composite base pan, Copeland two-stage compressor.

IAQ EQUIPMENT SUPPORTED: Air cleaners, humidifiers, UV lights, zoning.

THERMOSTAT COMPATIBILITY: Compatible with most thermostats.

REPLACEMENT PARTS COMPATIBILITY: Shares replacement parts with other models.

ADDITIONAL FEATURES: These air conditioners are cost-effective alternatives to the brand's premium equipment. The ES4BF is a 16-SEER air conditioner that is paired with a variable-speed indoor unit.

WARRANTY INFORMATION: Ten-year all-parts and a one-year Quality Pledge to replace the entire unit if the compressor fails within the first year of operation to the original owner. All split system products must be installed with a matched indoor air handler or indoor coil to qualify. Consumer product registration required within a limited period of time after the installation.

SPECIAL INSTALLATION REQUIREMENTS: No.

CONTACT: Nordyne, 636-561-7300; www.westinghousevac.com.

eProduct 229

MODEL: iQ Drive FT4BI heat pump

FOOTPRINT (INCHES): 31 (length) by 31 (width) by 37-45 (height)

SERVICEABILITY FEATURES: Inverter-driven Panasonic rotary compressor provides fully variable operation. Full-port brass ball valves provide low pressure drop and easier service.

The valves are actuated by quarter-turn full open to full close. Compressor and control access. Diagnostics provided by communicating controller.

