



**For Immediate Release**

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## **Carrier Announces New ECM Direct-Drive Fan Option with Aero<sup>®</sup> 39M Commercial Air Handler**

*Commitment to continuous improvement yields more flexible air handler*

**Charlotte, NC, June 16, 2017**— [Carrier](#) is pleased to offer an electronically commutated motor (ECM) direct-drive fan option for the Aero<sup>®</sup> 39M commercial air handler. Adding the new ECM fan option enables customers to further improve the system's energy efficiency. This improvement is another enhancement to the recently reinvented 39M commercial air handler product line that now offers customers greater flexibility with more features. Carrier, a world leader in high-technology heating, air-conditioning and refrigeration solutions, is a part of UTC Climate, Controls & Security, a unit of United Technologies Corp. (NYSE: UTX).

Electronically commutated motors are typically more efficient than current premium efficiency motors and consume less power than variable-frequency drive AC motors. Onboard electronics determine the position of the rotor, which then provides an electronic pulse to actuate the motor windings.

These electronics control the speed and level of input power to allow the motor to efficiently deliver the correct level of airflow based on building demand. Since the

variable-speed control is built into the motor, it negates the need for an external speed controller, which saves cost, airway length and weight.

“Carrier continues to provide more technologically advanced options, which help customers save energy with a more compact and cost-effective unit,” said Chris Opie, director, marketing, Carrier Commercial Systems. “Direct-drive fans using ECM technology have a proven track record of energy savings with our residential products. This is yet another enhancement to our reinvented 39M commercial air handler product line.”

In addition to the addition of the ECM direct-drive fan option, the Aero<sup>®</sup> 39M commercial air handler has many new features. It was one of the first units offered in North America with foam-filled, double-wall construction, resulting in panels with an R-13 insulating value. And today it’s offered in more unit sizes, configurations and features than ever before.

The product line also offers Agion<sup>®</sup> anti-microbial technology as a factory-applied optional coating for the inside panel skin. Registered with the Environmental Protection Agency for use in heating, ventilating and air conditioning (HVAC) applications, Agion suppresses the growth of microbes on the treated surface by releasing silver ions at a slow and steady rate, ensuring long-term protection over the product’s lifetime.

Carrier also offers Carrier AHUBuilder<sup>®</sup> software that makes selecting and optimizing 39M air handlers easy, allowing HVAC engineers to model refrigerant-based cooling systems with confidence, generating a cross-plot to help determine the most efficient system possible. Carrier AHUBuilder software also allows the user to select fan systems at full-load and part-load for performance and sound. This software feature

assists in the selection of the most stable, most efficient and quietest fan available in our offering.

Customers interested in learning more about the reinvented Aero 39M commercial air handlers can contact their local expert or visit [www.carrier.com/39M](http://www.carrier.com/39M).

### **About Carrier**

Founded by the inventor of modern air conditioning, Carrier is a world leader in high-technology heating, air-conditioning and refrigeration solutions. Carrier experts provide sustainable solutions, integrating energy-efficient products, building controls and energy services for residential, commercial, retail, transport and food service customers. Carrier is a part of UTC Climate, Controls & Security, a unit of United Technologies Corp., a leading provider to the aerospace and building systems industries worldwide. For more information, visit [www.carrier.com](http://www.carrier.com) or follow [@Carrier](https://twitter.com/Carrier) on Twitter.

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The reinvented Carrier® Aero® 39M air handler line provides even more advanced technology and custom features - like ECM direct drive fan motors - in a streamlined, easy to install package. Indoor and outdoor units are available to handle a wide variety of applications.