



**For Immediate Release**

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## **Toshiba Carrier to Expand ‘Heatcle Air’ Total Heat Exchanger Series in Japan**

**KAWASAKI CITY, Japan, April 18, 2023** - [Toshiba Carrier Corporation](#) (TCC) will expand its *Heatcle Air* light commercial total heat exchanger <sup>(\*)1</sup> lineup in Japan with nine new models, which will be launched in September in response to growing consumer demand. These basic <sup>(\*)2</sup> ceiling type models that feature a micro control unit help enhance indoor air quality and provide high-quality ventilation solutions with higher energy efficiency and design flexibility. TCC is a part of Carrier Global Corporation (NYSE: CARR), the leading global provider of healthy, safe, sustainable and intelligent building and cold chain solutions.

“These new models provide energy efficiency and comfort, addressing the demand for high-quality ventilation solutions in our post-pandemic era,” said Toru Kubo, President, Global Comfort Solutions (Japan), Carrier. “We continue to strive to develop products and solutions that exceed expectations, anticipate needs and deliver value to customers.”

Key features of the new models include:

- 1) High-efficiency AC motor
  - Lower power consumption compared to the legacy product with AC motor.
  - Automated air ventilation volume control within the range of 35 to 120% of the rated air volume and as a result makes the calculation of air ventilation volume easier.
  - Continuously variable control of static pressure and air volume properties with fixed power control within the range of 5 to 100% of peak power, which enables fine-tuning of air volume for enhanced energy efficiency and easy adjustment after installation.
- 2) Higher external static pressure <sup>(\*)3</sup> compared to legacy product
  - Sufficient air flow capacity secured even in case of a long duct, resulting in enhanced design flexibility and easier installation.
  - Enhanced capability of attaining higher air ventilation volume to address post-pandemic needs.
- 3) Optional CO<sub>2</sub> and PM2.5 sensor <sup>(\*)4</sup>
  - Detecting and monitoring CO<sub>2</sub> and PM2.5 values displayed on a screen panel of remote control.
  - Automated ventilation control according to the CO<sub>2</sub> and/or PM2.5 density, which is also available during operation with fixed air ventilation volume mode.
- 4) Micro control unit for centralized control
  - Customers to build a centralized control system that covers the *Heatcle Air* solutions and Toshiba SMMS-u Series variable refrigeration flow (VRF) system.

TCC also plans to launch under-ceiling *Heatcle Air* models later this year. For more information, visit [www.toshiba-carrier.co.jp/global/](http://www.toshiba-carrier.co.jp/global/).

\*1 Total heat exchanger is a device that recovers heat from air-conditioned indoor air while ventilating.

\*2 The “basic” type means a product without humidifier.

\*3 External static pressure means the pressure measured at the discharge outlet of the fan. The higher the value, the higher the air flow performance.

\*4 Particulate matter (PM) 2.5 refers to tiny particles or droplets in the air that are two and one half microns or less in width.

### **About Toshiba Carrier Corporation**

Toshiba Carrier Corporation (TCC) provides sustainable solutions integrating energy efficient products for residential, light commercial and industrial customers. TCC is a part of Carrier Global Corporation (NYSE: CARR), the leading global provider of healthy, safe, sustainable and intelligent building and cold chain solutions. For more information, visit [www.toshiba-carrier.co.jp/global/](http://www.toshiba-carrier.co.jp/global/).