



For Immediate Release

Media Relations, Toshiba Carrier
Tcc-media-relations@carrier.com

Toshiba Carrier Launches Under-Ceiling *Heatcle Air* Total Heat Exchanger Series

Driven by DC Motor for enhanced energy efficiency in ventilation

KAWASAKI CITY, Japan, Dec. 21, 2023 - [Toshiba Carrier Corporation](#) (TCC) will expand its *Heatcle Air*[™] light commercial total heat exchanger^(*) lineup in Japan with four new basic ceiling suspended models^(**), which will be launched in January 2024 in response to growing consumer demand. These new basic ceiling suspended type models are driven by DC motors and feature a micro control unit help enhance indoor air quality and provide high-quality ventilation solutions with higher energy efficiency and design flexibility, the same features as the ceiling cassette types launched in September 2023. TCC is a part of Carrier Global Corporation (NYSE: CARR), global leader in intelligent climate and energy solutions.

“The *Heatcle Air* series is a very popular choice among customers with its high energy efficiency and high-quality ventilation capability. We are confident that the launch of the new ceiling suspended models in addition to the ceiling cassette models will allow us to address a wider range of customers’ needs,” said Toru Kubo, President,

HVAC Japan, Carrier. “We continue our endeavor to develop products and solutions that exceed expectations, anticipate needs and deliver value to customers.”

Key features of the new models include:

1) Higher external static pressure ^(*3) 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.

2) High-efficiency DC 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, enabling fine-tuning of air volume for enhanced energy efficiency and easy adjustment after installation.

3) Optional CO₂ and PM2.5 sensor ^(*4)

- Detecting and monitoring CO₂ and PM2.5 values displayed on a screen panel of remote control.

- Automated ventilation control according to the CO₂ and/or PM2.5 density, 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 *Heatcle Air* solutions and Toshiba SMMS-u series variable refrigeration flow (VRF) system.

*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

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), global leader in intelligent climate and energy solutions that matter for people and our planet for generations to come. For more information, visit www.toshiba-carrier.co.jp/global/.

Heatcle Air™

