



For Immediate Release

Contact: Public Relations Office
Toshiba Carrier Corporation
Tcc-media-relations@ml.toshiba.co.jp

Toshiba Carrier Air-cooled Modular Heat Pump USX EDGE32 Series Honored at 2021 Energy Conservation Grand Prize Award of Japan

Kawasaki-shi, Japan, December 22, 2021 - Toshiba Carrier Corporation announced that the USX EDGE32, its newly launched air-cooled modular heat pump series, won the Director-General of the Agency for Natural Resources and Energy Prize, the second highest honor, in the product and business model segment of the 2021 Energy Conservation Grand Prize Award of Japan.

The Energy Conservation Grand Prize Award of Japan is an annual event sponsored by Japan's Energy Conservation Center (JEC) and supported by the Ministry of Economy, Trade and Industry (METI). The government program is designed to commend energy saving efforts executed by private companies, autonomous communities and educational institutes. Winners in this category create business models which have great effects on energy conservation for the country and society.

The award ceremony will be held on January 26, 2022 at Tokyo Big Sight, which will also serve as the venue of HVAC&R Japan 2022 from February 1 through 4, 2022. Toshiba Carrier will participate in the trade show as an exhibitor to showcase its products. The prize-winning USX EDGE32 heat pump will be among the products on display during the show.

The USX EDGE32 heat pump is based on technologies used for the Universal Smart X EDGE Series, which was the highest prize winner at 2017 Energy Conservation Grand Prize Award of Japan. The USX EDGE32 uses low global warming potential (GWP) refrigerant R32 to mitigate environmental impact.

Toshiba Carrier's USX EDGE32 and its heat source energy-saving operation system are driven by the HVAC Module Kit and cloud-based remote management system TCCR-NET™, which are robust solutions for complying with energy and environmental regulations and the complex design and installation needs of control systems. The HVAC Module Kit is instrumental in reducing operational cost by up to 8%^(*1) with its optimized valve opening control, contributing to reducing energy consumption for the entire system, and ensuring a coordinated control with the secondary-side HVAC equipment.

As a sophisticated cloud based system, TCCR-NET™ is a significant upgrade from the conventional remote monitoring system that allows customers access to new services for reducing management costs and providing other added energy-saving features.

The USX EDGE32 aligns with Toshiba Group's Environmental Vision 2050 to contribute to the development of society through its business.

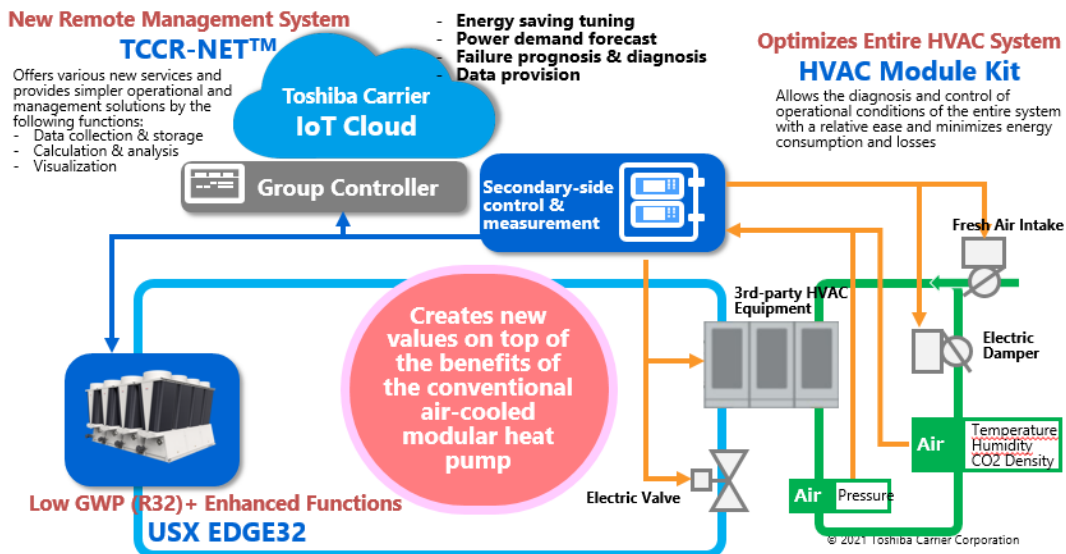
Environmental Future Vision 2050

Toshiba Carrier Group has been making efforts to solve the three issues of "Mitigation of Climate Change", "Effective Use of Resources", and "Management of Chemicals" in the "Environment

Vision 2050" which formulated in Toshiba group in 2007. With the goal of "contributing to the realization of a sustainable society through environmental management which aims to create enriched value and to ensure harmony with the earth," Environmental Future Vision 2050 which newly formulated in 2020 aims to realize a sustainable society—in other words, a decarbonized society, a resource-circulating society, and a society that is in harmony with nature. We will promote the implementation of initiatives in three areas: "response to climate change," "response to the circular economy," and "consideration of ecosystems" so as to realize the ideal situation in 2050.

(1*) Source: simulated by Toshiba Carrier Corporation in case of using 11 EDGE32 units connected with the HVAC Module Kit under conditions based on guidelines provided by the Ministry of Land, Infrastructure, Transport and Tourism

Heat Source System



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