



**For Immediate Release**

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## **Carrier Japan Launches Toshiba Carrier USX FIT Air-Cooled Modular Heat Pump in Japan**

**Tokyo, Japan, June 24, 2024** - Carrier Japan Corporation (CJC), today announces its new Toshiba Carrier Universal Smart X (USX) FIT™, an air-cooled heat pump system as an energy-saving solution for applications such as industrial processes and air conditioning for comfort in factories and other facilities. CJC is a part of Carrier Global Corporation (NYSE: CARR), global leader in intelligent climate and energy solutions.

CJC first launched its modular air-cooled chiller equipped with a built-in pump for water conveyance and driven by fixed-speed compressors in 2003. Since then the segment of modular air-cooled chillers/heat pumps has grown rapidly in Japan and today there are a growing number of the modular chillers that require replacement as the systems approach end-of-product life. In new buildings, air-cooled chillers/heat pumps with compact size and large capacity are ideal to accommodate such design requirements.

The USX FIT is a perfect package to meet these challenging needs: the air-cooled modular chiller/heat pump with its compact size and large capacity can flexibly serve different customers' needs in both new construction and replacement. The systems deliver high energy performance by leveraging technologies of other USX Series systems with R32 inverter DC triple rotary compressors.

“As we look toward the future, our commitment to providing tailored solutions to meet the needs of our Japanese building customers is evident in this latest product, which is compact in size, large in capacity, while keeping all USX Series' advantages such as high energy efficiency and risk diversification,” said Toru Kubo, President, Carrier Japan Corporation. “We are dedicated to driving continued innovation to meet evolving customer needs and delivering diverse solutions.”

For more details, please click [here](#) and visit [Carrier Japan Corporation website](#) (Japanese only).



Air-Cooled modular heat pump "USX FIT"

**Key features of the USX FIT include:**

- Designed with a new compact 1000 mm (W) x 1850 mm (D) x 2350 mm (H) chassis for limited space; its compact size and light weight can allow the product to fit through doors of many of urban buildings for easy installation.
- Compact size with large capacity
  - + Cooling-only model available up to 50 HP (with sprinkler system, rated cooling capacity 150 kW)
  - + Heat pump models available up to 40 HP (rated cooling / heating capacity 118 kw)
- Expanded temperature range with 3 C chilled water supply can meet requirements for many food manufacturing factories.
- Harmonic suppression function is included in standard specifications; no additional accessory such as active filter is needed.
- Power factor (99%) contributes to the reduced size of power supply equipment.
- Retrofit model designed for Super Flex Module Chiller™ (SFMC) renewal projects  
The "SFMC Renewal Model" was designed in case the customer, considering environmental impact and other factors, wishes to leverage some of the existing installation, such as water pipes, power supply wires, installation dimensions, used for SFMC, sold by CJC previously.

**Product Lineup**

Model	Rated cooling capacity [kW]	Rated heating capacity [kW]	Standard type				High-pressure gas report	Refrigerant
20 HP	50	50	Heatpump cooling-only	Standard type High COP (with spray system)	Pumpless, inverter pump is incorporated	200V	No required	R32
30 HP	85	85						
40 HP	118	118						
50 HP	150	-	Cooling-only	High COP (with spray system)	400V			

\*In addition to the models shown above, models with enhanced heating capacity model (30HP heat pump), brine model (heat pump & cooling-only) are to be added to the line-up.

**About Carrier Japan Corporation**

Carrier Japan Corporation (CJC) provides sustainable solutions integrating energy efficient products for residential, light commercial and industrial customers. CJC 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 [Carrier HVAC Asia Pacific website](#).