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Daikin aims to expand R32 AC production in Brazil

Daikin Brasil has announced the acquisition of the Manaus factory, with the intention of setting up full-scale production of R32 air conditioners and expansion of future business in Brazil. Daikin Manaus factory has been producing residential and light commercial air conditioning systems with capacities of 9,000 to 48,000 BTU/h.

The revision of Ambient Air Quality Directives

As part of the European Green Deal, the EU is revising relevant standards that aim to avoid build-up of excessive pollution concentrations and align them with recommendations of the World Health Organization (the latest Air Quality Guidelines of the WHO have been published on 22 September 2021). To this end, the Commission has published an Inception Impact Assessment to assess the impact of a possible revision of the Ambient Air Quality Directives (Directive 2008/50/EC, Directive 2004/107/EC, Directive 2015/1480/EC, Commission Implementing Decision 2011/850/EU), planned for 2022. Aiming to receive feedback from all citizens and stakeholders, an open public consultation will be running from 23 September till 16 December 2021.

Frigoblock Refrigerates UK's first fully electric large goods trucks

Frigoblock EK25R refrigeration unit enables multi-temperature large goods deliveries without serious compromise to the BEV's range and operational duty time. Frigoblock, one of the leading manufacturers of transport refrigeration units in Europe and a brand of Thermo King has announced it collaborated with NRG Riverside, one of the fastest-growing fleet management companies in the United Kingdom (UK), to create the

Cold chain technology brief: Vaccines

This IIR note provides an overview of the vaccine cold chain in general and COVID-19 in particular, its requirements and challenges. First, the effects of temperature on these vaccines, old and new, and their storage and transport requirements should be known. Second, the temperature-controlled logistics of vaccines in general and COVID-19 vaccines in particular, and the equipment and solutions used for their cold chain, must be analysed. Finally, if refrigeration is essential for our health as well as for our food, it must be sustainable, and it is therefore necessary to analyse the challenges to be met so that the cold chain for vaccines disrupted by COVID-19, is sustainable in the short, medium, and long term

Is the U.S. unitary market cooling after overheating?

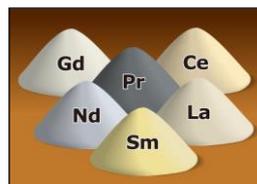
According to AHRI, the shipments of residential unitary air conditioners in the first Half of 2021 are showing strong growth. How did the good performance of residential unitary systems arise? There were several possible factors. The first factor was that a large amount of money was released to the public as the U.S. government generated a large amount of public spending designed to rebuild the economy, which had been battered by the pandemic. The second factor was that people were interested in improving their living environments and comfort at home, since they could not go to work or attend school due to lockdowns and were spending more time at home

Chinese CAC market grows by 35.8% in first half of 2021

According to 'Commercial Air Conditioner Market', sales performance data of 50 mainstream brands from vkhvacr.com, the commercial air conditioner market enjoyed 35.8% year-on-year growth in the first half of 2021, achieving sharp growth following -20.3% in 2020. Direct expansion (DX) systems such as variable refrigerant flow (VRF) systems as well as chillers showed strong growth momentum, with an obvious rising trend in the industry. Recovery of medium and small projects, and a very strong performance in the market segment all drove market growth.

Daikin rare earth metals free in its ACs by 2025

Nikkei reported that Daikin plans not to use rare earth metals in its ACs before 2025. The technology developed this time is to coat a small amount of rare earth coating on the inside of the motor magnet, which can reduce the amount of rare earth used by more than 95%. By further improving the inverter control technologies, the goal of maintaining the motor's high efficiency is achieved even if a rare earth metal magnet is not used. The company plans to use this new technology in some of its products sold in 2022.



The Pandemic slows down, AC production tends to recover:

According to data from Johns Hopkins University in the United States, the number of new global infections decreased by nearly 40% from the peak in August. With the advancement of vaccination, the business climate of the service industry in developed countries has improved significantly since this spring.

The manufacturing industry in Southeast Asia is also showing signs of improvement. As the largest production base of Japanese manufacturers, Southeast Asia is gradually returning to normal air-conditioning production, which provides a guarantee for normal global supply.