



Air conditioning, ventilation & heating

# SOLUTIONS FOR INDUSTRY

The cooling requirements for a process are specific to each industry. Whether you are in the agri-food business, pharmaceuticals, plastic manufacturing or other industries, optimising an industrial cooling installation **to extend production tool life and minimise the carbon footprint** is a major challenge for today's businesses.

With our comprehensive selection of air conditioning, ventilation and heating solutions covering wide water temperature ranges (-15 °C to +85 °C), we offer a variety of products to meet the requirements of all industrial manufacturers.



# Complete solutions for industry



Available  
HFO  
R-1234ze

## 30XB/P(-ZE) liquid chiller

Very economical operation  
Low noise level  
Easy to install  
Environmentally responsible  
Exceptional reliability



Available  
HFO  
R-1234ze

## 30KAV(-ZE) liquid chiller

High level of performance  
Low noise level  
Intelligence and connectivity  
Respects the environment  
Easy to install and maintain



Available  
HFO  
R-1234ze

## 30KAVP(-ZE) liquid chiller

Permanent magnet compressors  
Exceptional energy efficiency  
Power factor of 0.98  
Very low sound level  
Smart energy metering  
25% more compact



HFO  
R-1234ze  
Up to  
85 °C

## 61XWHZE high-temperature heat pump with water cooled condenser

Hot water production up to 85 °C  
Low total cost of ownership  
COP between 2.5 and 5.0  
in a packaged configuration  
COP up to +40%  
configured in series  
Compact design (from 1 to 1.4 m wide)



HFO  
R-1233zd

## 19DV centrifugal liquid chiller

Reliability  
Efficiency  
Acoustic comfort  
Flexibility  
Compact dimensions



Available  
R-32

## 30RB/P liquid chiller

High full and part load efficiency  
Compact and simple to install  
Low noise level  
Low refrigerant charge

| Model                       | Refrigerant | Max. outdoor air T° range (°C) | Water outlet T° (°C)* | Capacity range (kW) | Available options |        |             |               |       |
|-----------------------------|-------------|--------------------------------|-----------------------|---------------------|-------------------|--------|-------------|---------------|-------|
|                             |             |                                |                       |                     | Brine             |        |             | Heat recovery |       |
|                             |             |                                |                       |                     | Medium T°         | Low T° | Very low T° | Partial       | Total |
| <b>Fixed-speed units</b>    |             |                                |                       |                     |                   |        |             |               |       |
| 30RB/P                      | R410A       | -20 / 48                       | Down to -15 °C        | 160  520            |                   |        |             | ✓             |       |
| 30XBE-ZE                    | HFO R1234ze | -20 / 55                       | Down to -12 °C        | 200  1200           |                   |        |             |               | ✓     |
| 30XBP                       | HFC R134a   | -20 / 55                       | Down to -15 °C        | 250  1500           |                   |        |             |               | ✓     |
| 30XBE                       | HFC R134a   | -20 / 55                       | Down to -15 °C        | 250  1700           |                   |        |             |               | ✓     |
| 61XWHZE                     | HFO R1234ze | N/A                            | Up to +85 °C          | 200  2500           |                   | N/A    |             | N/A           |       |
| <b>Variable-speed units</b> |             |                                |                       |                     |                   |        |             |               |       |
| 30KAV-ZE                    | HFO R1234ze | -20 / 55                       | Down to -12 °C        | 350  800            |                   |        |             | ✓             | ✓     |
| 30KAV                       | HFC R134a   | -20 / 55                       | Down to -15 °C        | 500  1100           |                   |        |             | ✓             | ✓     |
| 30KAVP-ZE                   | HFO R1234ze | -20 / 55                       | Down to -12 °C        | 350  800            |                   |        |             | ✓             | ✓     |
| 30KAVP                      | HFC R134a   | -20 / 55                       | Down to -15 °C        | 500  1100           |                   |        |             | ✓             | ✓     |
| 19DV                        | HFO R1233zd | N/A                            | Down to 4.4 °C        | 2000  2800          |                   |        |             |               | ✓     |

\*with 40% mono-ethylene glycol for -15 °C or 35% mono-ethylene glycol for -12 °C



### 61WG heat pump

Compact design  
 Plug & play approach  
 High efficiency  
 High temperature (65 °C)



### 10TE gasketed plate heat exchanger

Separation of the machines from the system  
 Cost efficient design  
 Qualified and reliable  
 High heat transfer coefficient  
 Close temperature approach



### 39CP modular air handling unit

Energy savings  
 High efficiency heat recovery system  
 Onboard control  
 Anticorrosion treatment for the coils  
 Steam coils



### 39CZ modular air handling unit

High degree of modularity  
 Onboard control  
 Air flow rates up to 50,000 m<sup>3</sup>/h  
 Available in a single- or dual-flow version



### 42AM air heater

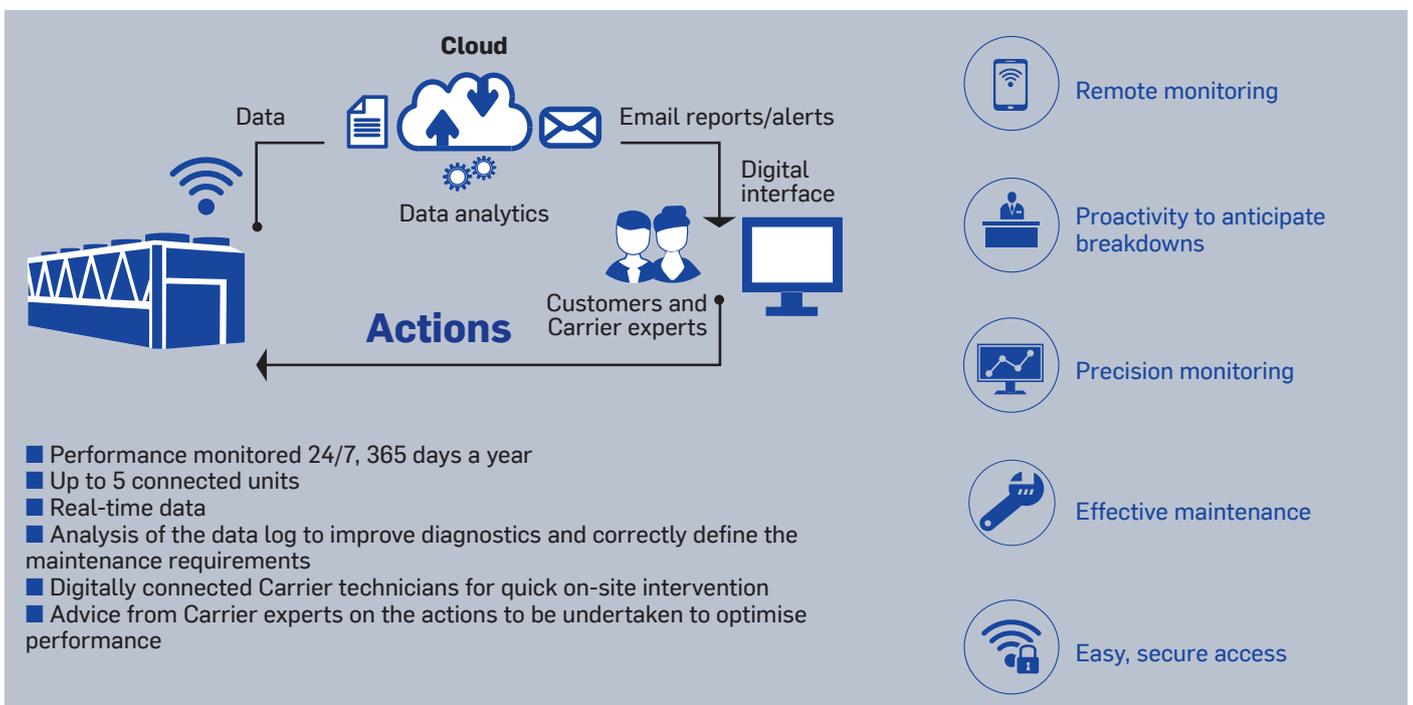
The best solution for heating and/or cooling large spaces  
 Ensures buildings warm up ultra fast  
 Excellent diffusion via patented JET+ double deflection technology  
 Available with an EC motor  
 Low consumption  
 Destratifier version for better air mixing in heating mode



### Rooftop 50FF & 50FC

Energy recovery  
 Variable speed EC fans  
 Option for operating with 100% fresh air  
 Anticorrosion treatment on the coils and casing  
 Vertical supply for assembly on a plinth  
 Supervision via the CMS

## Connected services



# An expert by your side

In the agri-food industry, ensuring the cooling chain is not broken is key to ensuring consumer safety and safeguarding the future of your business. This is why Carrier is by your side to help you manage your costs, make your process reliable, and ensure continuity of service for your production equipment. Thanks to our 110 years of experience, a comprehensive offering of products and services, and our expert sales teams, Carrier combines an extensive portfolio of products including heating, air conditioning and control with knowledge, innovation and performance.

## Why choose Carrier?



### Long Product Service Lifecycles

We provide solutions which meet and exceed current and future legislative standards. Benefiting from a high level of energy efficiency, our products anticipate the requirements of the Ecodesign standard while complying with the F-Gas standard designed to reduce the carbon footprint of our equipment. Equipped with high performance solutions which ensure greater environmental responsibility, you can concentrate on your core business and develop your operations.



### Complete control

Our machines can be connected to your building management system to analyse data, and optimise their operation and predictive maintenance. Machine Learning is another example of a potential application which enables your machine to adapt to your individual building and the specific details of your process with the aim of optimising the interoperability of the machines.



### A comprehensive suite of reliable services

We can offer you a variety of maintenance contracts adapted to your industrial requirements. Our team of experts can quickly provide assistance on site to give you complete peace of mind.



### Controlled operating costs

Thanks to a wide range of available options, including the capacity to produce chilled water down to -15 °C with very low pressure drops, and the chilled water flow rate function which adapts to your actual requirements to allow you to manage your operating costs.



### Optimised energy expenses

Thanks to our equipment which can, for example, recover heat from your industrial process for re-use in process cleaning applications, pre-heating of domestic hot water, heating of premises, process preparation, etc.

## Carrier Services

Your daily challenge is a complex balance between maintaining optimal comfort levels, maximising system uptimes and minimising cost of ownership. Carrier teams are committed to ensuring your peace of mind and supporting your business objectives throughout the life cycle of your equipment.



Present  
in more than

**60**  
countries

More than

**115**  
years of  
experience

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