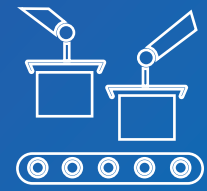




EFFICIENT, HIGH-PERFORMING CARRIER HVAC SOLUTIONS
FOR GIGA FACTORIES



Lifecycle solutions for complete giga factories optimisation



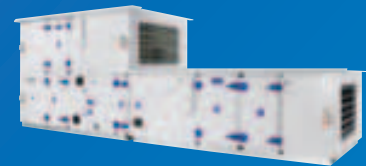
Giga factories are facing challenges to rapidly construct facilities to meet development and production targets and are increasingly seeking cost effective standard, modular and flexible solutions for heating, ventilation and cooling to meet short-, medium- and long-term investments.

Complete solutions for giga factories

WATER TO WATER HEAT PUMPS



AIR HANDLING UNIT



AIR TO WATER HEAT PUMPS



AIR-COOLED CHILLERS



WATER-COOLED CHILLERS



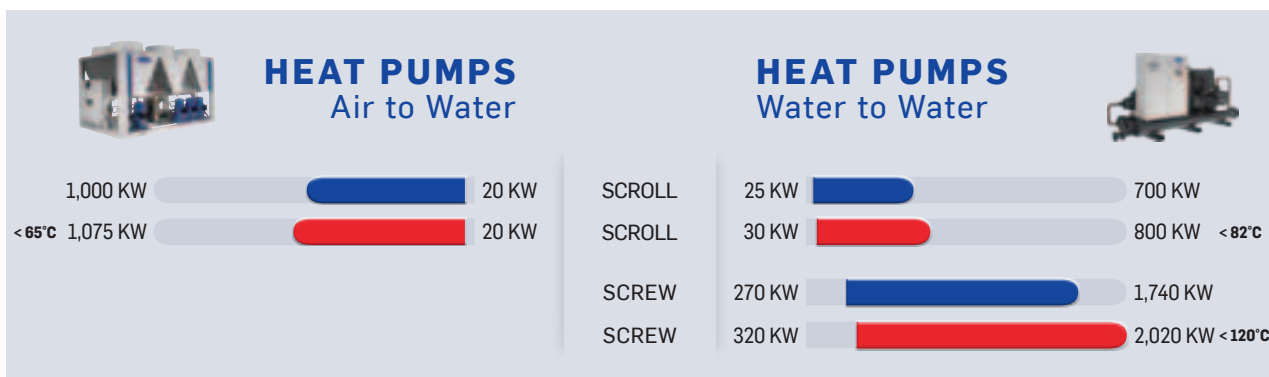
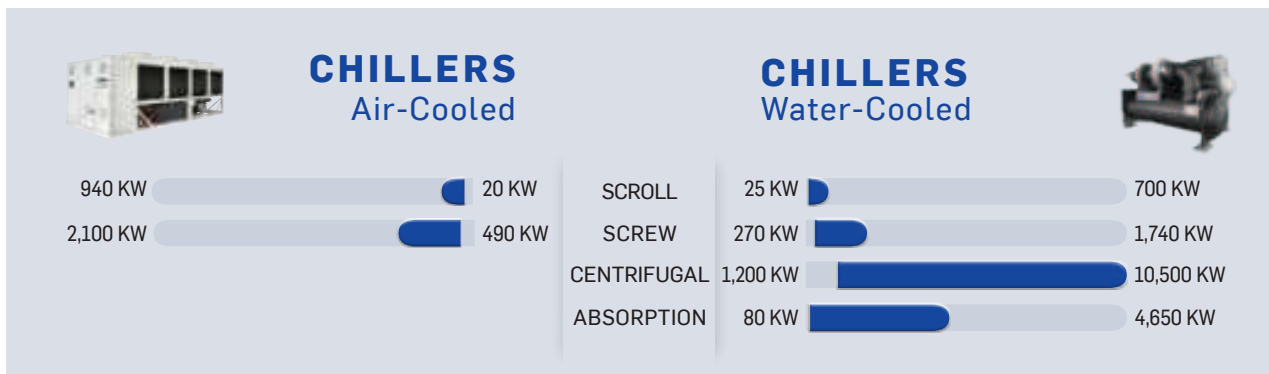
Carrier's state-of-the-art solutions are designed to optimise and minimise energy consumption and environmental impact while creating a comfortable and safe working environment.

Simplified solutions overview

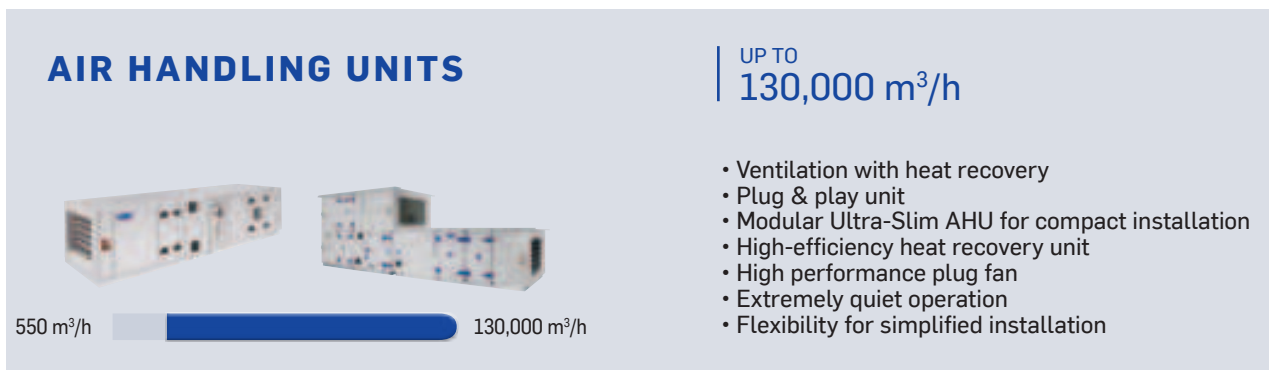
LIQUID COOLING AND HEATING SOLUTIONS

TECH	GWP GUIDE	KEY GUIDE FEATURES			INVESTMENT (TCO / LCCA)
		Design	Options	Energy	
Scroll	• Medium GWP	• Cost-effective and compact	• Facilitate and reduce purchase and onsite costs (pumps etc.)	• Free cooling • Heat recovery <50°C for heating/hot water	• Short • Medium
Screw	• Low GWP • Application specific refrigerant	• Efficient premium solutions	• Facilitate and reduce purchase and onsite costs	• Premium efficiency • <100% free cooling • Heat recovery <120°C for heating/hot water	• Medium • Long
Absorption	• Water as a refrigerant offers zero GWP solution	• Cooling from onsite waste heat • Heating version	• Use waste hot water or steam with efficiencies of <1.2	• Cooling by repurposing waste energy	• Medium • Long
Centrifugal	• Low and ULTRA low GWP	• Highly standardized premium solutions	• Optimize technology to meet application requirements	• Best in class efficiency • Energy saving features include free cooling	• Medium • Long

Solutions suitable for your installation



AIR TREATMENT SYSTEMS



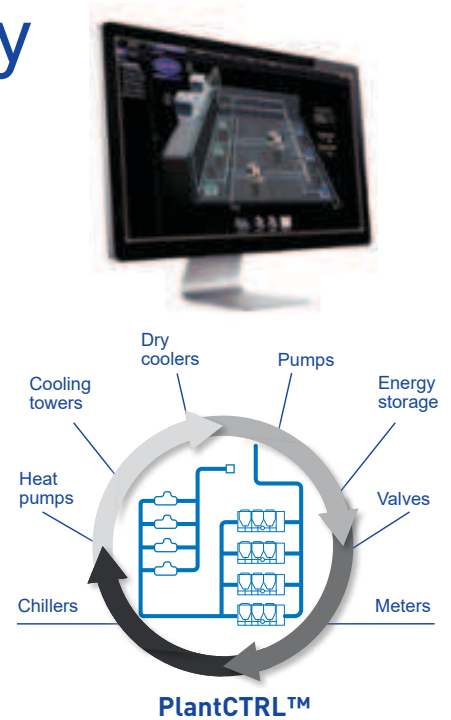
365 Operational efficiency through web-based connectivity

i-Vu® Building Automation System and PlantCTRL

For a complete view of heating, ventilation and air conditioning systems at a building or site level, the Carrier i-Vu Building Automation System can bring all subsystems together within one web-based platform.

Enables easy management, control and analysis of all buildings HVAC operations. Powerful visualisation tools, robust procedural tracking and secure user verification contribute to implement intelligent strategies to balance operation and efficiency targets.

For plant room management, Carrier PlantCTRL system offers integration of all cooling and heating system components into a seamless, automated network customised to your plant's design and specifications. PlantCTRL system is fully compatible with the Carrier i-Vu Building Automation System (BAS).



Your service partner

Your daily challenge is a complex balance between maintaining optimal comfort levels, maximising system uptimes and minimising cost of ownership. Carrier service teams are committed to ensuring your peace of mind and supporting your business objectives throughout the lifecycle of your equipment. **We can help you create a customised program that is suited to your specific goals and needs.**

With our BluEdge service agreements, you can receive digital connectivity and continuous monitoring via **Abound HVAC performance**, part of Carrier's cloud-based IoT Abound platform. Through it you'll receive the benefit of real-time data and insights to drive predictive insights helping to optimise your asset performance and longevity.



Present
in more than

60
countries

24/7
on-site
availability

More than

120
years
of experience

www.carrier.com

Giga factories ©2024 Carrier. All Rights Reserved. NA23.23A
The materials and information referenced in this brochure are for informational purposes only and not intended to provide legal or other professional advice. Since standards, specifications and designs are subject to occasional change, please ask for confirmation of the information provided in this publication. Carrier reserves the right to change certain information and specifications contained in this document at any time and without prior notice. Availability depends on each country. Please contact your CARRIER representative.
Photo credits: Carrier, istock, Fotolia

