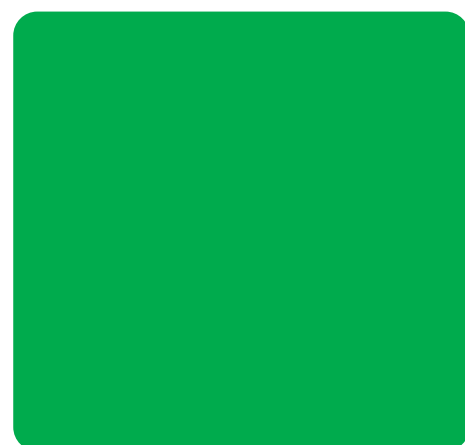


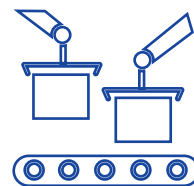


Efficient, high-performing Carrier HVAC solutions for giga factories



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



AIR HANDLING UNIT



WATER TO WATER HEAT PUMPS



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

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	• Optimise technology to meet application requirements	• Best in class efficiency • Energy saving features include free cooling	• Medium • Long

Solutions suitable for your installation

LIQUID COOLING AND HEATING SOLUTIONS

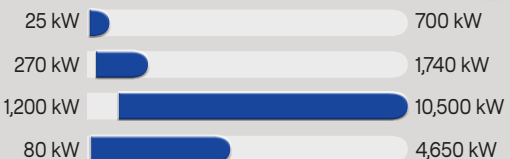


CHILLERS Air-Cooled



SCROLL
SCREW
CENTRIFUGAL
ABSORPTION

CHILLERS Water-Cooled

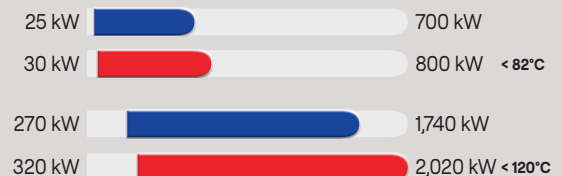


HEAT PUMPS Air to Water



SCROLL
SCROLL
SCREW
SCREW

HEAT PUMPS Water to Water



AIR TREATMENT SYSTEMS

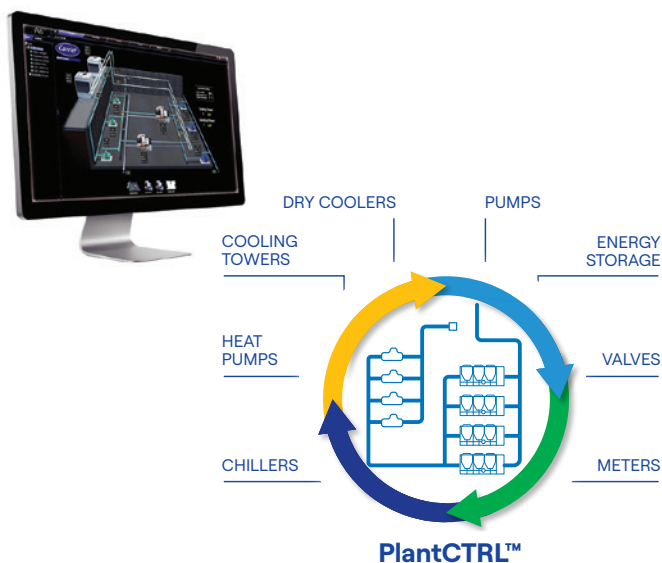
AIR HANDLING UNITS



UP TO
130,000 m³/h

- Ventilation with heat recovery
- Plug & play unit
- Modular Ultra-Slim AHU for compact installation
- High-efficiency heat recovery unit
- High performance plug fan
- Extremely quiet operation
- Flexibility for simplified installation

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

carrier.com

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