

# Smart Cooling Solutions by HITEMA<sup>®</sup> International

Tailored Cooling Technologies and  
Flexible Rental Solutions for  
Diverse Applications

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***At HITEMA<sup>®</sup>, we recognize that each cooling requirement is unique.***

That's why we offer a comprehensive range of air-cooled chillers equipped with various compressor technologies, as well as flexible rental solutions, to ensure optimal performance, energy efficiency, and reliability for your specific applications.



# Air-Cooled Process Cooling Units

Our dedicated Process Cooling series ENR, ENRF, LGX, CFT, CSE are built to support industrial processes where precision and reliability are critical. Designed for compactness and integration, these units are ideal for machine tools, plastics, food & beverage, and many more sectors.



## Key Features

Cooling capacities from 1 to 430 kW

Standard configuration with P3 pump and tank

Available in R410A, R32, R454B, R454C and R290 (depending on the cooling capacity)

Compact layout for easy installation

Also available in heat pump and free-cooling variants

Available in both 400V/3Ph/50Hz and 460V/3Ph/60Hz configurations

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# Oil-Free Magnetic Bearing Compressors

Experience the pinnacle of cooling innovation with our TFV, TFVF, and TFW series, featuring Turbocor<sup>®</sup> compressors by Danfoss. These oil-free, magnetic bearing compressors deliver exceptional efficiency, low maintenance, and ultra-quiet operation. Ideal for critical applications such as data centers, hospitals, and high-end commercial buildings.



## Key Features

Cooling capacities up to 1215 kW (air-cooled) and 3000 kW (water-cooled)

Free-Cooling version available

Compatible with low GWP refrigerants: R134a, R513A, R1234ze, R515B

Equipped with flooded or hybrid film evaporators for optimal performance

Optional features: Automatic Transfer Switch (ATS), Fast Restart, Power Factor Correction (PFC), ultra-low noise design

Designed to operate at full capacity even at ambient temperatures up to 45°C

Available in both 400V/3Ph/50Hz and 460V/3Ph/60Hz configurations

Standard models can be delivered in as little as 12 weeks, depending on availability

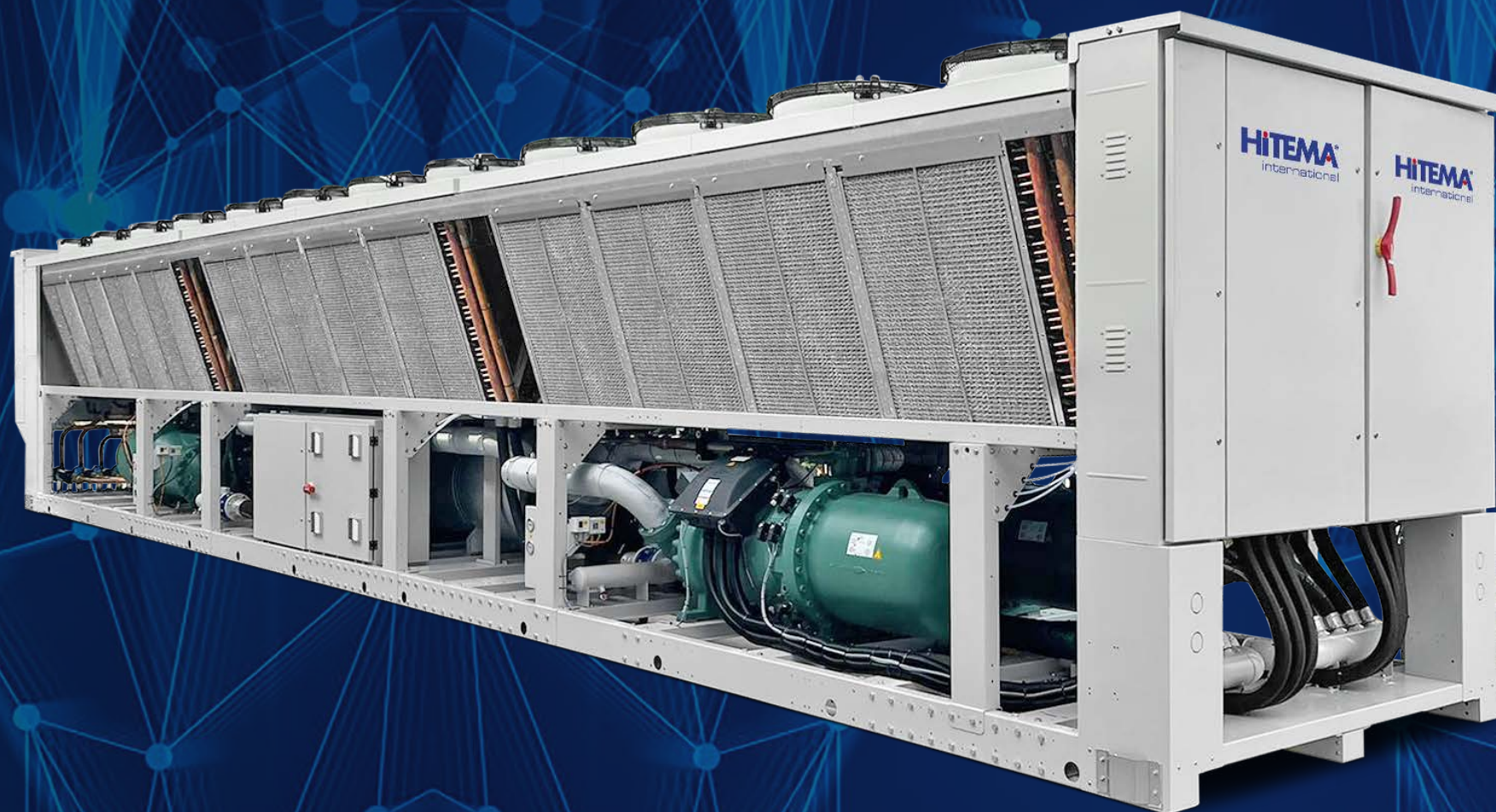
Depending on the model, units can be shipped in either 20-foot or 40-foot containers for ease of transport

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# Screw Compressors

Our NOVA, NOVAF, DTS, DTSF, ISV, ISVF and EWB series are engineered for industrial applications requiring robust performance and continuous operation. These chillers offer high reliability and are suitable for environments with varying load conditions.



## Key Features

Cooling capacities ranging up to 2250 kW (air-cooled) and 3000kW (water-cooled)

Utilize low GWP refrigerants: R134a, R513A, R1234ze, R515B

Equipped with shell and tube evaporators

Options for inverter-driven compressors for capacity regulation from 20% to 100%

Integrated free-cooling coils available in NOVAF, DTSF and ISVF series for enhanced energy savings

Modular configurations and optional pump/tank integration

Available in both 400V/3Ph/50Hz and 460V/3Ph/60Hz configurations

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# Multi-Scroll Compressors

Our SBS, SBSF, SBSF-OPT, and SBS-MC series offer flexible and energy-efficient solutions, particularly effective under partial load conditions. These chillers are compact, cost-effective, and ideal for commercial and process cooling applications.



## Key Features

Cooling capacities up to 1288 kW

Compatible with low GWP refrigerants: R410A, R454B, R32

Equipped with shell and tube or brazed plate evaporators

Integrated free-cooling coils in SBSF and SBSF-OPT series for significant energy savings

Modular designs with options for inverter-driven compressors

Designed to operate efficiently in ambient temperatures as low as -20°C

Microchannel condensers coil as optional

Available in both 400V/3Ph/50Hz and 460V/3Ph/60Hz configurations

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# Rental Solutions

For projects requiring temporary cooling solutions, HITEMA<sup>®</sup> offers a versatile rental fleet designed for rapid deployment and seamless integration. Our rental units are suitable for various applications, including industrial processes, events, and emergency cooling needs.



## Key Features

Different capacities and configurations to meet specific requirements

Advanced monitoring and control systems for real-time performance insights

Energy-efficient designs utilizing eco-friendly refrigerants

Flexible rental terms to accommodate short-term and long-term needs

Cost-effective solutions with reduced capital expenditure

Available in both 400V/3Ph/50Hz and 460V/3Ph/60Hz configurations

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# Ready-to-Ship Units – Stock Availability

To guarantee rapid delivery and immediate support for urgent projects, Hitema International offers a selection of high-performance units available directly from stock. These ready-to-ship solutions are perfect for last-minute installations or emergency cooling and heating needs, ensuring reliability and energy efficiency without compromise.

*Among the units currently available in our stock:*

## TFVF.350

Air-cooled Free-Cooling chiller featuring two oil-free Danfoss Turbocor<sup>®</sup> compressors, operating with low-GWP refrigerant R1234ze. It delivers 320 kW at 12/7°C water temperatures and 35°C ambient, with full Free-Cooling capability at just 1°C. Originally designed for 400V/3Ph/50Hz operation, it can also be configured to run on 460V/3Ph/60Hz, upon request.



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## CDU.600

Coolant Distribution Unit with a brazed plate heat exchanger, capable of transferring 600 kW with a temperature approach of just 1.5°C, ideal for high-density data center applications.



## APH.055

Propane (R290) heat pump equipped with an innovative defrost system. It delivers 48 kW in cooling mode (15/10°C, 35°C ambient) and 60 kW in heating mode (55/60°C, 7°C ambient), ensuring performance and sustainability.





# Why Choose HITEMA<sup>®</sup>?

With over 35 years of experience, HITEMA<sup>®</sup> International specializes in customized industrial cooling solutions. Our commitment to innovation and customer satisfaction ensures that we provide reliable, efficient, and sustainable cooling systems tailored to your needs.

## Let's Find the Right Solution for You

Whether you're designing a new system, upgrading an existing one, or seeking temporary cooling solutions, our technical team is here to assist you in selecting the most suitable option.

*Contact Us Today or visit our website to learn more:*

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## **HITEMA INTERNATIONAL<sup>®</sup> is a specialist manufacturer of Standard and Customized cooling solutions.**

We believe that small but steady progress is key in business. We at Hitema<sup>®</sup> International perceive continuous improvement as an on-going effort to enhance our workflows, services and products whilst minimizing waste. We use self-reflection and we learn from feedback to drive the right changes in our processes in order to improve all aspects of our organization and perform more efficiently.



## **Our vision**

Our focus is keeping our Customers running 100% of the time. Our goal is to satisfy the Customers, by offering efficient and reliable solutions. The Keywords that better describe us are customization, efficiency, reliability and sustainability.



**Our  
Numbers**

**60**  
Employees

**7** Production  
Plan

**35** Years  
Experience

**29** MLN  
Turnover

**2000**  
Units per Year

**30** Ranges  
of Products

**18.750** sqm  
Indoor space

**85%** of Units  
Customized

**100%** Italian  
Manufacture



hvac smart  
**HiTEMA**<sup>®</sup>  
international



**HITEMA INTERNATIONAL S.R.L.**

Via Mons. G. Babolin, 14 - 35024 Bovolenta - PD (IT)

Tel. +39 0495386344 | [customer.care@hitema.it](mailto:customer.care@hitema.it) | [burbam@hitema.it](mailto:burbam@hitema.it) | [www.hitema.com](http://www.hitema.com)