

Qualiterme

HYBRID LINE

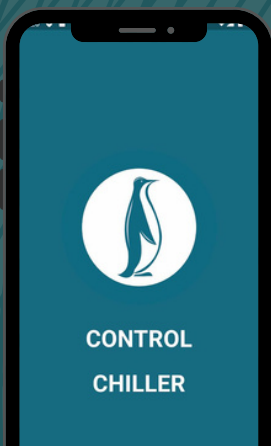
CHILLED WATER AND COOLING SYSTEM



The equipment in this series of chillers boasts capacities ranging from 35,000 to 250,000 kcal/h and features two models of advanced compressors: 50% fixed compressor and 50% variable inverter compressor. These chillers are engineered to minimize energy consumption and enhance the temperature control process, which are their primary advantages. Furthermore, they are equipped with a frequency inverter that enables the modulation of the compressor's variable speed, leading to energy savings of up to 20%.

Control Chiller Application

With the Control Chiller app, it is possible to access essential information about the equipment and remotely control functions for production process management.



DISCOVER MORE

TAILORED PRODUCT

Customization for various applications, tailored to fulfill the requirements of any industry or critical environment.

CERTAIN STANDARD COMPONENTS OF THIS EQUIPMENT

FAN

Each fan is equipped with automatic regulation technology, utilizing a pressure transmitter connected to the motor inverter.

CONDENSER

Finned microchannel featuring a high-performance louver fin.

EVAPORATOR

System featuring a brazed stainless steel plate, ensuring efficient heat exchange. Contemporary, compact, and highly effective for liquid cooling.

COMPRESSOR

Facilitates the automatic adjustment of thermal load speed in accordance with the process temperature.

WATER PUMP

Water circulates throughout the system via the industrial process.



The quantity of controllers may fluctuate based on the capacity and configuration of the equipment.

CONTROLLER

The controller (PLC) features both analog and digital inputs and outputs, complemented by an intuitive touch screen that facilitates the management of critical functions, including the compressor, pump, and fan. It also presents temperature readings, alarms, and an event identifier, while maintaining a record of activity history. Access to settings and data is secured by password protection, thereby safeguarding the security and integrity of the information.

TECHNICAL SPECIFICATIONS

DUAL HYBRID SYSTEM WITH TWO COMPRESSORS

Air Condensation **Calculations conducted at a working temperature of 10°.** **Connections**

Model	Capacity	Three-phase			Single-phase	Scroll Inverter Compressor	Water pump	Dimensions			Chilled Water Inlet/Outlet	Abastec.
		220V	380V	440V	220V			Width	Length	Height		
E035	35000	✓	✓	✓	✓	2X5TR	5 HP	950	1400	2050	1,½"	½"
E065	65000	✓	✓	✓	✓	2X10TR	7.5 HP	950	1800	2050	2"	½"
E105	105000	✓	✓	✓	✓	2X15TR	10CV	1300	2400	2300	2,½"	½"
E125	125000	✓	✓	✓	✓	2X20TR	10CV	1300	2400	2300	2,½"	½"

QUAD HYBRID LINE FEATURING FOUR COMPRESSORS

Air Condensation **Calculations conducted at a working temperature of 10°.** **Connections**

Model	Capacity	Three-phase			Single-phase	Scroll Inverter Compressor	Water pump	Dimensions			Chilled Water Inlet/Outlet	Abastec.
		220V	380V	440V	220V			Width	Length	Height		
E205	205000	✓	✓	✓	✓	4X15TR	15 CV	2000	2600	2650	2,½"	½"
E250	250000	✓	✓	✓	✓	4X20TR	20CV	2000	2600	2650	3"	½"

NOTE: FOR EQUIPMENT EXCEEDING THESE CAPACITIES, PLEASE CONSULT THE ENGINEERING DEPARTMENT.
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