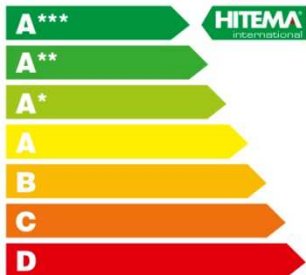




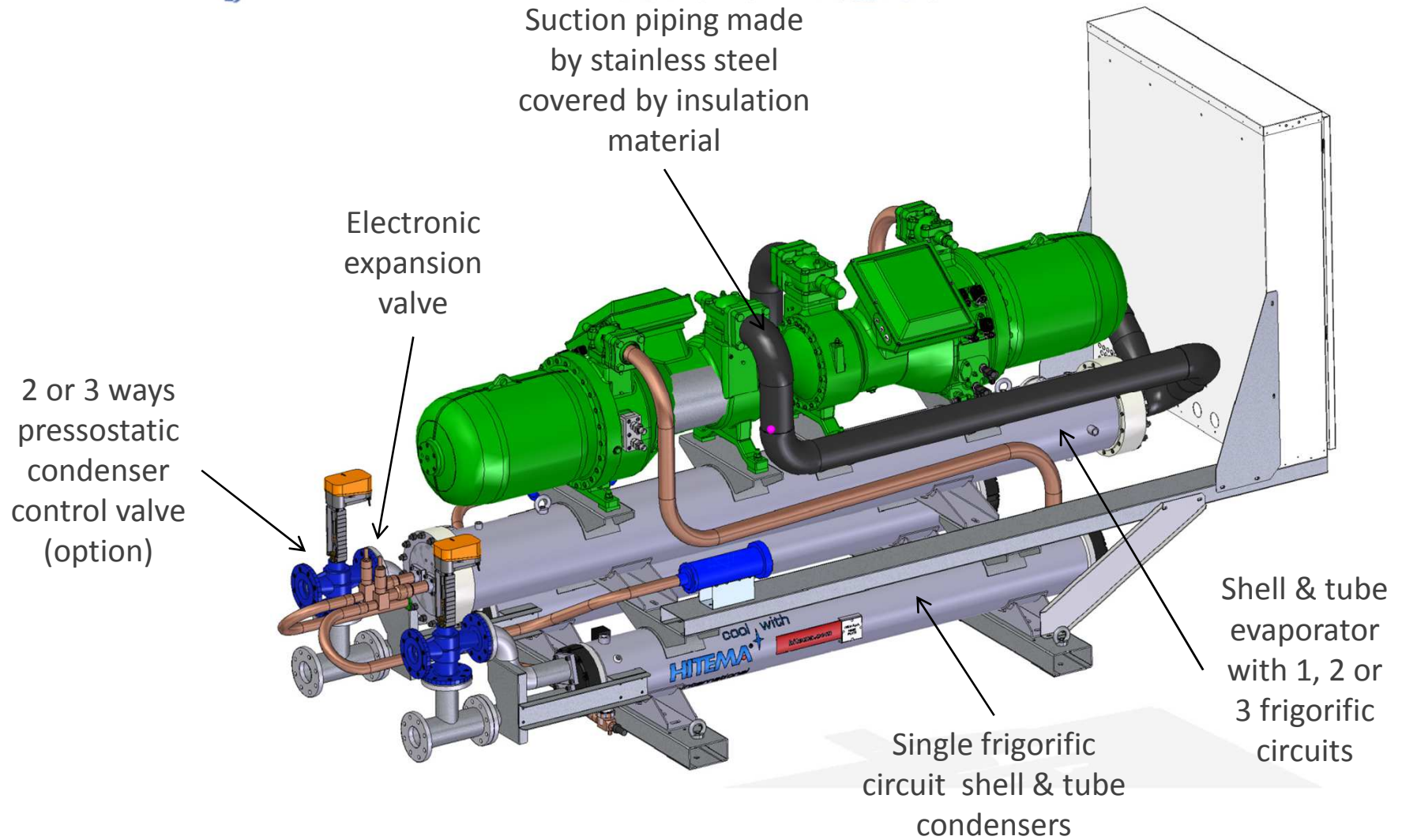
HITEMA NEW SERIES WATER COOLED **EWB** CHILLERS
&
WATER COOLED **CWB** CONDENSERLESS VERSION

MAXIMUM ENERGY EFFICIENCY



R134a





R134a

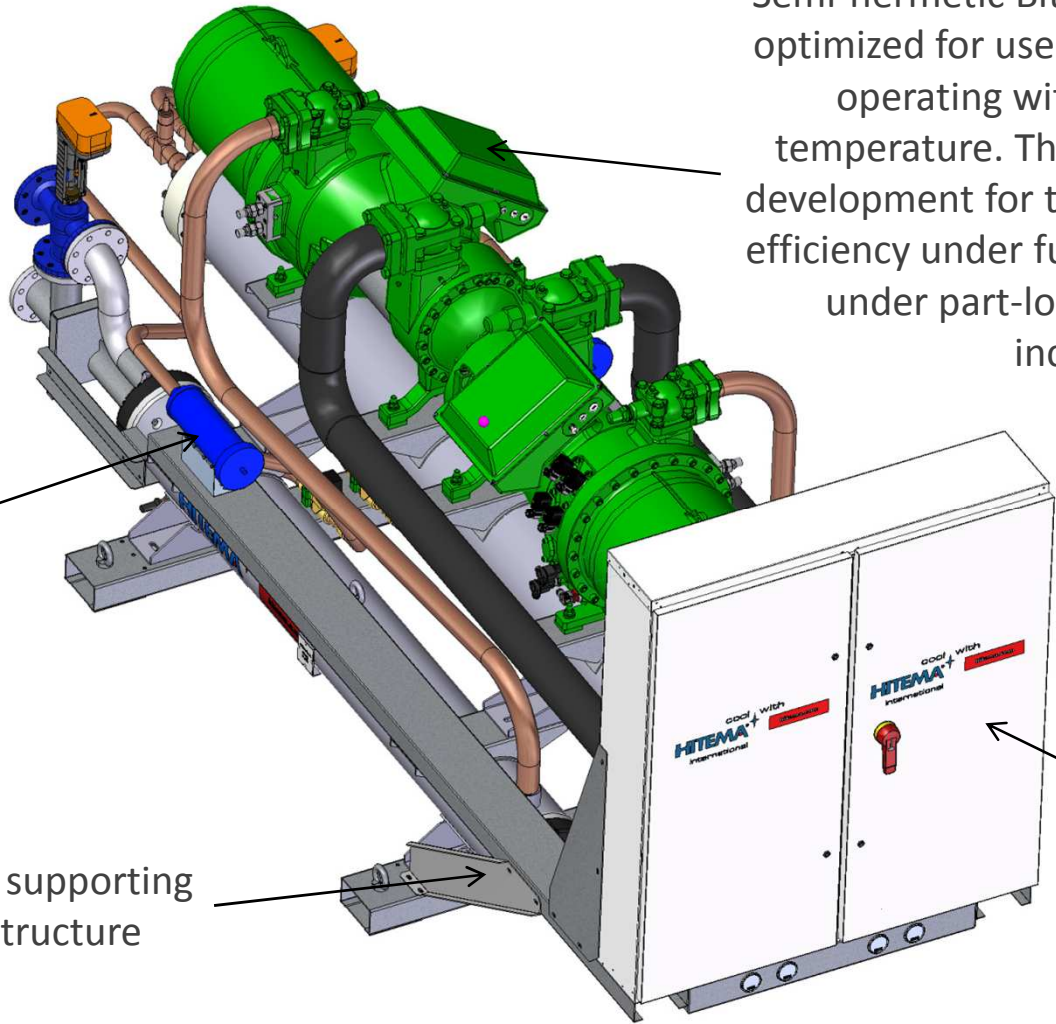


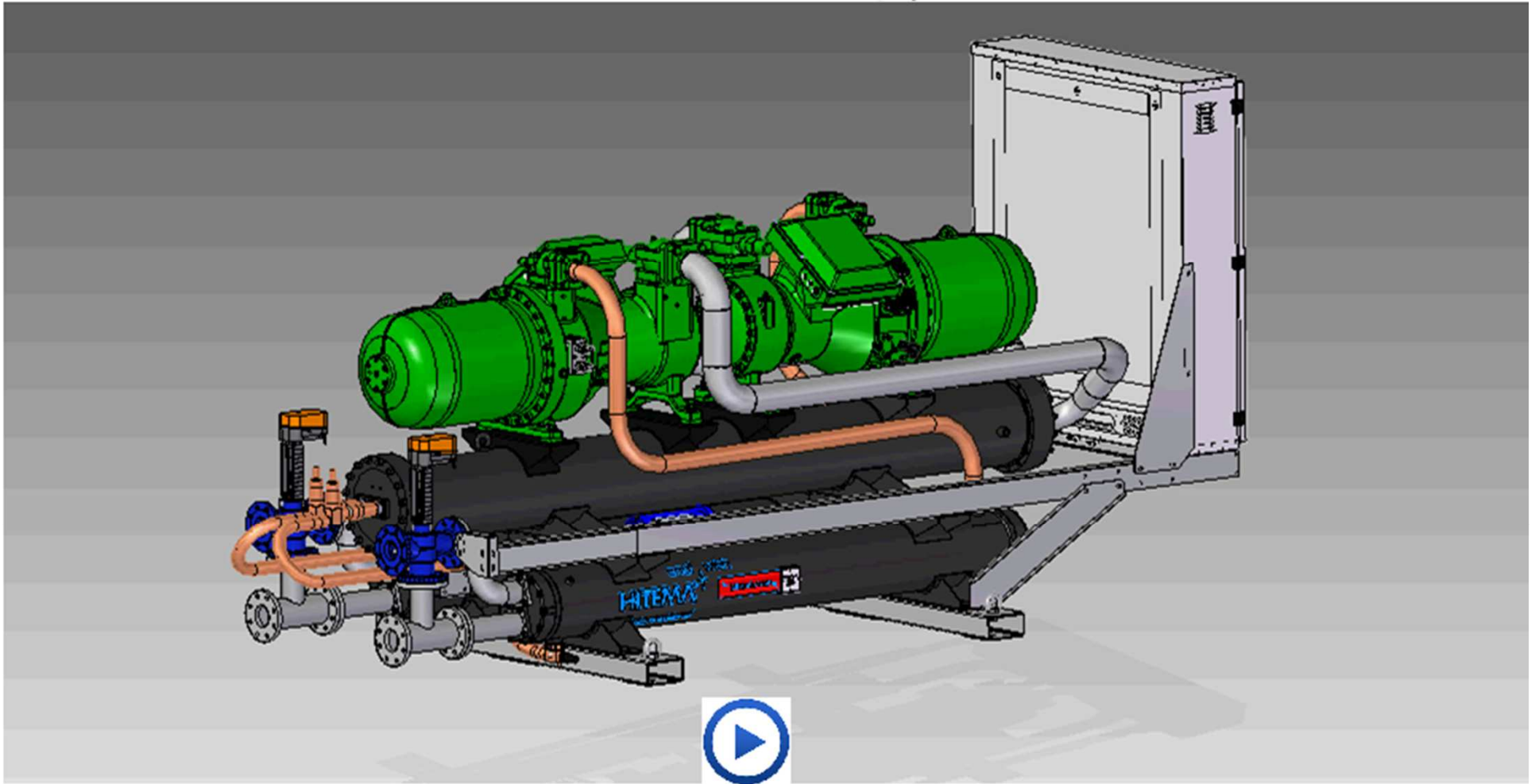
Semi-hermetic Bitzer screw compressors optimized for use in R134a liquid chillers operating with low condensing temperature. Thanks to their targeted development for these applications, their efficiency under full-load – and especially under part-load – is significantly increased.

Filter-dryer hygroscopic

Self supporting structure

Electrical panel with forced ventilation IP 54 and with volt-metric relay included





R134a





VERSIONS

COOLING OPERATION (EWB): Max operating outlet water temperature from 5°C up to 18°C. Condenser outlet water temperature up to 45°C (up to 55°C on request).

CONDENSERLESS (CWB) : Units supplied without condensers and refrigerant charge; the units in condenserless version are equipped with an oil separator for each circuit. Condensing temperature up to 58°C.

LOW WATER TEMPERATURE : Suitable to operate with evaporator brine outlet temperatures lower than +5°C (on request).

SILENCED VERSION : this version allows a reduction of about 5dB(A) compared to the basic version 90 ÷ 103 sound power dB(A). The compressors are enclosed within an enclosure with panels acoustically insulated (on request).

R134a





GENERAL DESCRIPTION

The water cooled chillers series **EWB** and **CWB** (condenserless version) are chillers of “*Cooling BIG evolution*” series operating with refrigerant **R-134a**. These chillers are PED certificated TUV Italy number 0948 and the **nominal cooling capacity of the complete series is 290÷2240 kW** with n°25 different model sizes.

The series is designed for use both in the process and comfort sectors. The chillers are equipped with all the components that ensure automatic cooling of water or a water/glycol solution.

The units have one, two or three completely independent refrigeration circuits and they are supplied with a full oil and refrigerant charge after having been factory tested with water.

The standard range of **EWB** series has an EER (Energy Efficiency Ratio) average of 5,1 and an ESEER (European Seasonal Energy Efficiency Ratio) up to 6,8 thanks to the optimized Bitzer compressors of the series CSW.

On request it's possible equip the chiller with a partial desuperheater (up to 10 % of the cooling capacity).

R134a





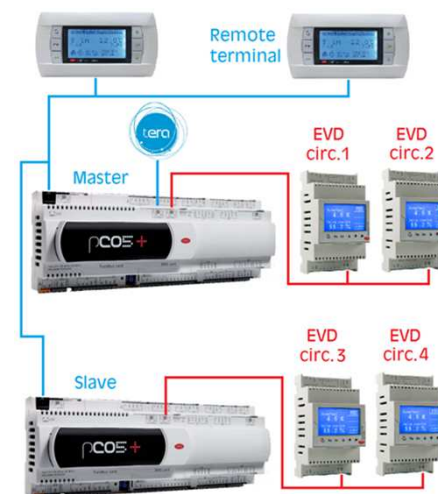
Cooling Capacity 290 – 2240 [kW]

Design condition for **COOLING MODE**: Evaporator Inlet/Outlet water temperature = +12/+7 °C; Condenser Inlet/Outlet water temperature = +30/+35 °C; fouling factor = 0.000043 m²K/W.

R134a



MICROPROCESSOR CONTROLLER



- pCO 5 microprocessor controller with user terminal installed on the electrical panel;
- USB port standard allows to update the software and to download the log file;
- Display of IN / OUT water temperatures and evaporation and condensation pressures; instantaneous and average percentage of capacity; main parameters of the electronic expansion valve;
- Alarms: HP, LP, antifreeze, compressor failure, insufficient water flow, high in / out water temperature, phase sequence;

R134a



THANK YOU VERY MUCH



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As part of our continuous product improvement, we reserve the right to change technical data without prior notice

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