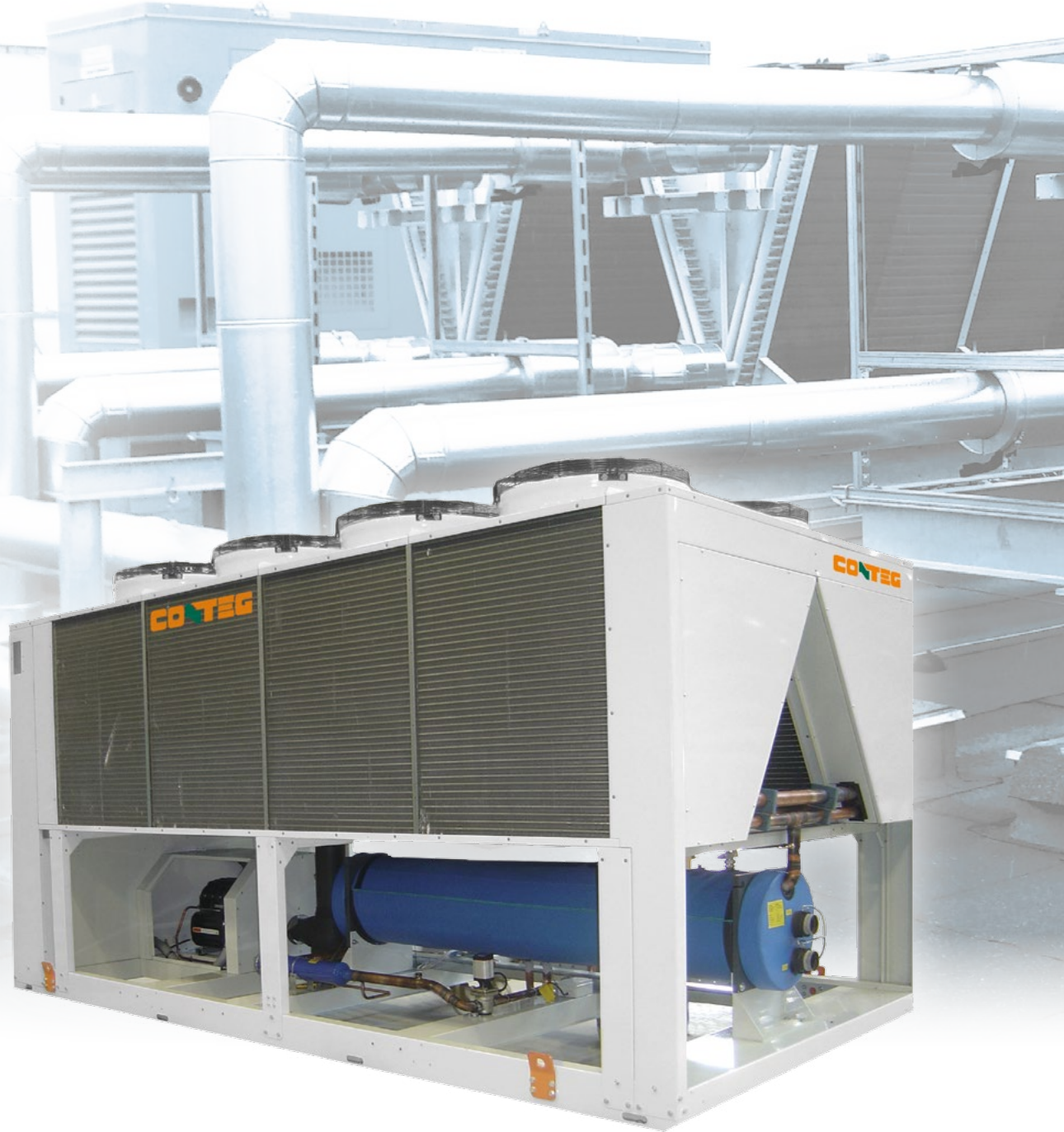
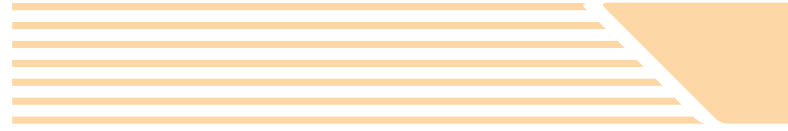


CONTEG

AIR COOLED CHILLERS FOR DATA CENTERS



TO COMPLETE YOUR NETWORK



AIR COOLED CHILLERS

MAIN ADVANTAGES

- Air cooled chillers specially designed for data centers
- Wide cooling capacity range from 5,5 kW up to 1400 kW
- Available in 3 variants: standard, silenced, ultrasilenced
- Free-cooling possibility
- High energy efficiency thanks to the best quality components
- Precise manufacturing process avoiding any failure
- All units tested in a special climatic chamber
- Large heat exchanger surface for higher efficiency
- Low noise level
- Customer modifications – wide range of optional accessories
- Compact design allowing easy transport and installation
- Base frame made of high thickness steel to assure total rigidity
- Operation limit from -40 °C up to +45 °C
- Service partners across Europe



CHILLER CHE-RAE

AIR COOLED WATER CHILLERS WITH MULTISCROLL COMPRESSORS AND AXIAL FANS

- Base frame made of high thickness galvanized steel
- Multiscroll compressor for refrigerant R410A
- Stainless steel plate evaporator with high thickness closed-cell insulation
- Heat-exchange external coils with micro-finned copper tubes, positioned in staggered rows and mechanically expanded into an aluminum fins
- Axial fans with wing-profile aluminum blades designed to create no turbulence ensuring maximum efficiency and minimum noise level
- Independent cooling circuits with complete equipment
- Free-cooling possibility



COOLING CAPACITY: 5,5 – 618 kW



Scroll compressor

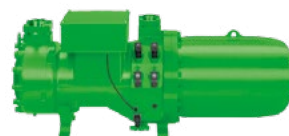
CHILLER CHE-RAH

AIR COOLED WATER CHILLERS WITH SCREW COMPRESSORS AND AXIAL FANS

- Strong compact frame made of pressed and bended galvanized steel profiles
- Semi-hermetic screw compressor equipped with stepwise capacity control
- Heat-exchange external coil with turbofins copper tube and aluminum fins
- Low speed axial fans with wing-profile blades
- One or two independent cooling circuits
- Available in compact RAH version and extended RAHT version with separated technical housing
- RAHT series has larger heat exchanger more suitable for free-cooling



COOLING CAPACITY: 155 - 1187 kW



Screw compressor

CHILLER CHE-RAC

AIR COOLED WATER CHILLERS WITH BRUSHLESS OIL-FREE COMPRESSORS AND AXIAL FANS

- Turbocor compressor
- Permanent magnetic bearings with no friction
- Total oil-free technology assuring maximal refrigerant usage
- Wide cooling capacity range
- Frequency controlled compressor for maximum efficiency
- Remarkable EER values in partial load
- Slight inrush current
- High efficiency Shell & Tube flooded evaporator
- EC axial fans
- Low sound level and minimum vibrations
- Free-cooling possibility



Turbocor compressor



COOLING CAPACITY: 359 - 1398 kW

CHILLER CHE-RAS

AIR COOLED WATER CHILLERS WITH SEMI-HERMETIC RECIPROCATING COMPRESSORS AND AXIAL FANS

- Semi-hermetic reciprocating compressor
- Environmentally friendly refrigerant R290 – propane
- Natural refrigerant with zero environmental impact
- Ozone depleting potential is zero (ODP=0)
- Global warming potential (GWP=3)
- Non-toxic refrigerant (even in high concentration)
- Copper micro finned coils
- Axial fans made of composite material
- Maximum efficiency, minimum sound emission
- Free-cooling possibility



Semi-hermetic reciprocating compressor



COOLING CAPACITY: 66 - 487 kW

Accessories

ENERGY EFFICIENCY AND SAFETY



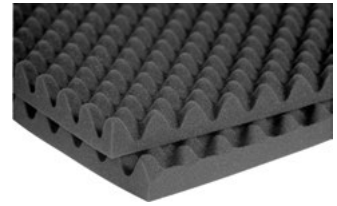
EC fans, modulating capacity control, protection grid for coils and compressor, condensing heat recovery, dual pump system for maintenance during operation.

MODIFICATION FOR DIFFERENT CLIMATIC CONDITIONS



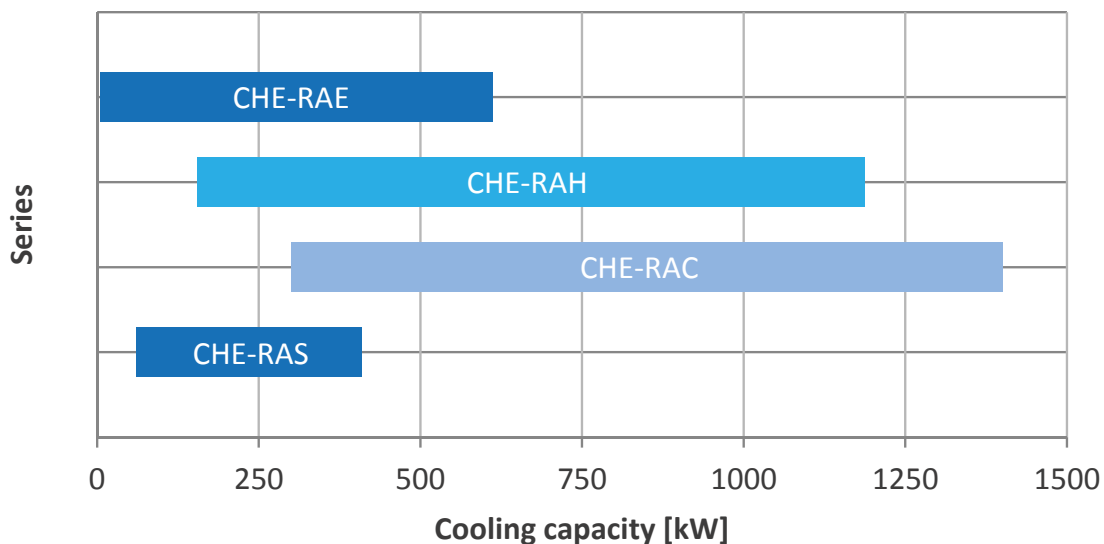
Electronic device for continuous fan speed regulation, defrost system, electrical heater, no plastic components, liquid receiver, plug-in display, etc.

MINIMAL SOUND EMISSION



Sound and fireproof insulation of compressor case and technical housing by closed-cell material, muffler on discharge pipe, rubber type, or spring vibration dampers.

Chiller cooling capacity range



Legend



scroll compressor



screw compressor



turbocor compressor



semi-hermetic reciprocating compressor



only cooling operation



high efficiency and energy saving unit



unit in low noise version



air cooled unit



R-134a ecological refrigerant R134a



R-290 ecological refrigerant R290 - propane



R-410A ecological refrigerant R410A



FC free-cooling possibility

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