

idrainverter The **Idrainverter** liquid Chillers and reversible Heat Pumps range is based on Inverter Scroll technology. Units are capable to adapt their power and energy consumption to every need, for the highest efficiency at partial load. The family includes a wide range of air cooled units. Units are available with **R410A**, **R452B** and **R454B** refrigerants.

Thermica The air-to-water Heat Pumps of **Thermica** range are dedicated to room heating and domestic hot water production, supplying **high water temperature** (up to 65°C) and being able to work down to -20°C outside air. Being reversible, they are also able to supply chilled water for air conditioning during the summer period. The whole range has high efficiency both at full load and partial loads and the units, from 20 to 182 kW, work with **R454C** refrigerant with low GWP, less than 150, enabling them to respect the future requirements of the European Community.

Booster The water-to-water Heat Pumps of **Booster** range are the best solution for systems where **very high temperature** (up to 80°C) hot water production is required for domestic use, room heating or industrial processes. The wide operating range makes these units perfectly integrable in any system solution, including 4-pipe systems for air conditioning and industrial heat recovery. Units are available with **R134a** and **R513A** refrigerants.

VECO V-THERM The **Eco V-Therm** new range of air-to-water Heat Pumps in **R290**, with heating capacities from 48 to 166 kW, is an environmentally friendly and efficient solution for room air conditioning and domestic hot water production; the units can produce water at **high temperature** (up to 70°C) and can operate down to -20°C outside air temperature. The refrigerant R290 (Propane) has a GWP = 3 and meets the future requirements of the European Community for reduced environmental impact. The Heat Pumps are available in basic or high-efficiency version, ensuring high performance both at full and part load and very low noise levels.

AQUA PLUS The **AquaPlus** air cooled, water cooled and condenserless liquid Chillers and Heat Pumps range is dedicated to small and medium areas in commercial or industrial buildings, up to 180 kW. Compactness and easy installation are the key benefits of this range. AquaPlus range is available in several levels of energy efficiency, featuring Inverter technology on Scroll compressors and, as option, on fans and circulation pumps. Dedicated Heat Pumps for hot water production at **medium temperature** (up to 55°C) are also available. Units are available with **R410A**, **R452B** and **R454B** refrigerants.

POWER V-TECH The **Power V-Tech** new range offers a series of air-to-water liquid Chillers available in high and very high efficiency versions with Scroll compressors, up to three per circuit, ensuring optimal load management and high reliability. The range is available with **HFO-R1234ze** refrigerant, which significantly reduces environmental impact due to its low global warming potential (GWP<1). In addition, the POWER V-TECH range features V-shaped condensing modules with Microchannel coils (optional with copper/aluminium). With a capacity ranging from 200 to 600 kW, it is an ideal solution for applications requiring high energy efficiency and reliable performance, making it an excellent choice in terms of quality and sustainability.

multi power The **MultiPower** range of chillers and Heat Pumps is based on multi-Scroll technology, for high partial load efficiency as the load is divided between the different compressors, up to 12 on a double refrigerant circuit, according to the required cooling capacity. The MultiPower range is available in different energy efficiency levels also with Inverter technology and includes a line of dedicated Heat Pumps for hot water production at **medium temperature** (up to 55°C). The family includes both air cooled and water cooled models with a capacity range up to 1220 kW. Units are available with **R410A**, **R452B** and **R454B** refrigerants.

ENERGY POWER The air cooled multifunctional units of **EnergyPower** line are able to provide cooling, heating and domestic hot water at the same time and with the same unit. Those multifunctional units, with capacity up to 1130 kW, are dedicated to 4-Pipe systems and are ideal for buildings with simultaneous need of ambient heating, cooling and domestic hot water, such as hotels and multifunctional buildings. The range includes models with both Scroll or Inverter Screw compressors. Units are available with **R410A**, **R452B**, **R454B**, **R134a** and **R513A** refrigerants.

MAXI POWER The **MaxiPower** air cooled, water cooled and condenserless liquid Chillers and Heat Pumps with Screw compressors cover capacities up to 2350 kW. Dedicated models feature Inverter technology on compressors, pumps and fans for an higher efficiency even at part load. The range is available in different variants and with different energy efficiency levels. The MaxiPower range includes models with **HFO-R1234ze** refrigerant (GWP<1) and models with **R134a** and **R513A** refrigerants.

TURBOLINE The **TurboLine** range, equipped with Turbocor Magnetic Levitation compressors, reaches an extremely high efficiency with the highest EER and SEER / SEPR in the market and a low starting current, in addition to maximum reliability and an extra silent operation. The range includes air cooled and water cooled models with a wide capacity range up to 3900 kW. The Turboline range includes models with **HFO-R1234ze** refrigerant (GWP<1) and models with **R134a** and **R513A** refrigerants.

AIRX The Packaged Rooftop units of **AirX** are characterised by single or double panelling, EC Inverter Plug-Fans and Scroll Inverter compressors. The units are available in different configurations with the addition of a Mixing Box and can be supplied with a Wheel Heat Recovery section. Units are available with **R410A** refrigerant.

AIRPLUS The Packaged Rooftop units of **AirPlus** series feature single skin, EC Inverter Plug-Fans and Scroll compressors. The units are available in different configurations with the addition of Mixing Box, Free-Cooling section and Thermodynamic Coil-Boost Heat Recovery. Units are available with **R410A** refrigerant.

AIRMAXI The Packaged Rooftop units of **AirMaxi** series feature double skin and EC Inverter Plug-Fans, also with Inverter Scroll compressors. The units are available in different configurations with the addition of a Mixing Box, a Free-Cooling section and a Cross-Flow, Wheel or Thermodynamic Coil-Boost Heat Recovery. Units are available with **R410A** refrigerant.

OUR SOLUTIONS



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PRODUCT OVERVIEW



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OUR PRODUCTS

PRODUCT RANGE

KTK KLIMATECHNIK offers a complete range of air cooled, water cooled and condenserless liquid Chillers and Heat Pumps especially dedicated to the industrial processes and customized air conditioning applications, with a wide capacity from 10 to 3900 kW. The offer also includes Packaged Roof Top units from 20 to 250 kW, Condensing units and Remote Condensers. A wide range of models is also available with the low GWP refrigerants **R452B**, **R454B**, **R454C**, **R290**, **R513A** and **HFO-R1234ze**.

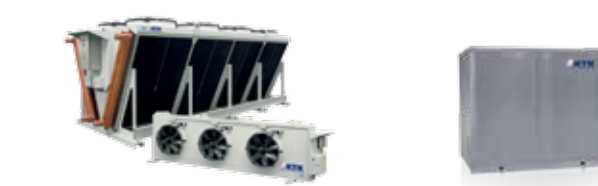
Junior line

Air cooled, water cooled and condenserless liquid Chillers, reversible Heat Pumps and dedicated Heat Pumps for small and medium areas. Condensing units.



System line

Remote Condensers and remote Hydronic Modules.



Top line

Air cooled, water cooled and condenserless liquid Chillers, reversible Heat Pumps and dedicated Heat Pumps for wide areas.



Upper line

Packaged Rooftop units with single or double skin for small, medium and wide areas.



KTK KLIMATECHNIK product ranges are compliant to ErP European Regulations.
- **ErP 2018 SCOP** The EU Regulation n. 813/2013 fixing precise efficiency standards for heat pump units.
- **ErP 2021 SEER** The range of units for comfort cooling application reaches the seasonal energy efficiency standards required from 2021 (EU Regulation n°2016/2281).
- **ErP 2021 SEPR** The range of units for process cooling application reaches the seasonal energy efficiency standards required from 2021 (EU Regulation n°2016/2281).



G.I. INDUSTRIAL HOLDING S.p.A. participates in the EC-programme for COP-HIP-FSU and AHU. Check on going validity of certificate: www.eurovent-certification.com

JUNIOR LINE



Air cooled liquid Chillers and Heat Pumps with Scroll Inverter compressors and plate exchanger						
UNITS NAME			FEATURES			
JWA 14÷20 S/G/P/A	9,7-18	12-20				
JWA 24÷40 S/K/P/A	26-42	29-48				
JWR 14÷34 S/K/P/A	12-36	14-40				
JWA 051÷172 S/K/P/A	50-179	54-193				