



THERMODYNAMIXX

The ultimate concept in cooling and heating.



Thermal energy solutions individually adapted to your needs.

KKT chillers provides innovative cooling solutions, ranging from 1 to 1,000 kW, for a great variety of applications and almost any relevant facility in the global market. At top quality and with a total delivery volume of over 1,500 professional chillers annually.

But this is not all KKT chillers has to offer: No matter whether you are looking for energy saving systems, heat recovery or process optimization – we are able to provide you with a customized, energy-efficient solution for your particular application.

Our portfolio is complemented by convincing thermal energy solutions. So get in touch with us if you are looking for an application in the field of heating technology in a power range of 200 to 1,000 kW and the utilization of waste heat. – THERMODYNAMIXX our promise of performance to you!



ARCTIC

MAGMA

A wide range of options.

Our chiller technology is based on thermodynamic processes that entail the generation of heat along with cold – and vice versa.

Taking advantage of the physical correlation between cold and heat, KKT chillers offers two thermal energy management systems ARCTIC and MAGMA that can generate cold and heat at the same time, depending on the main area of application. The result: a reduction in operating costs of up to 50%.

While identical elements are used for the two models, the combination of individual components depends on the requirements profile of the facility in question. Depending on the respective operating conditions, a customized setup is chosen in which the elements are put together, specified and aligned with an eye to material, configuration and sensor technology.

Besides the compressor unit, KKT chillers also develops a compatible water management system. The control unit, specifically developed for the system, handles communication between the compressor unit and the water management system. It can be directly incorporated into the customer's application via a bus system.

No matter what you require: heating and cooling solutions for industrial and technical building systems, compact high power heat pumps, special solutions for high-temperature applications or water management systems including the corresponding services – discover the perfect synergy with THERMODYNAMIXX our successful cooling and heating concept- 'made in Kasendorf'.

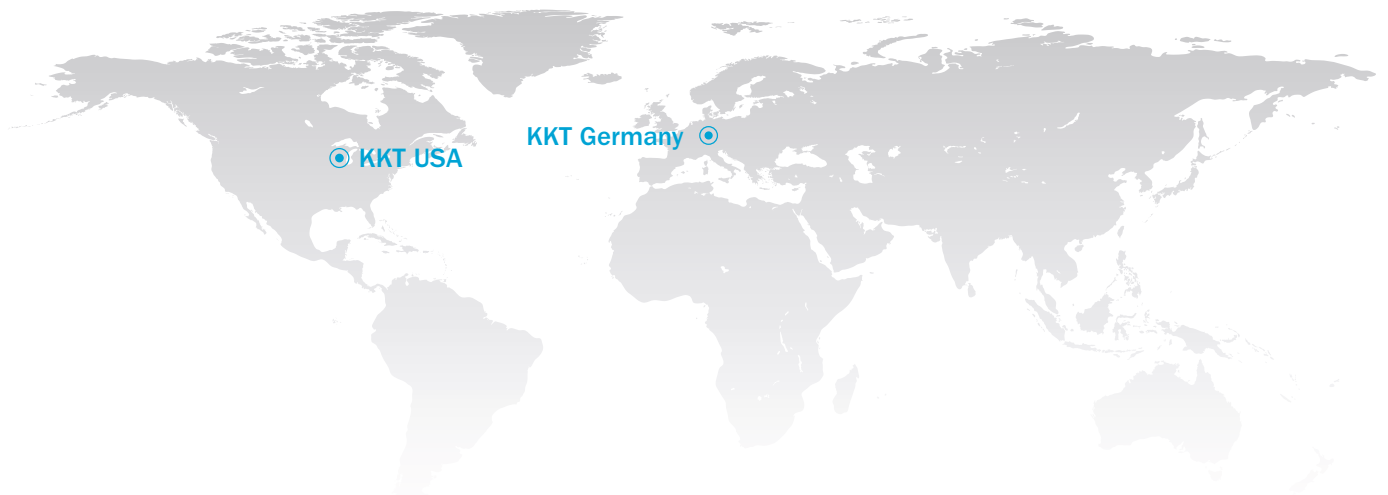
Technical data

THERMODYNAMIXX	ARCTIC	MAGMA
Cooling / heating capacity	200 - 1.000 kW	
COP	<10	
Ambient temperature range	-25°C - 50°C	
Fluid temperature	-40°C - 70°C	
Temperature constancy	± 1 K	
Coolant flow rate	20 - 200 m³/h	
Water connection	DN 50 - 200	
Pressure range	PN 6 - PN 25	
Voltage/frequency	country-specific	
OPTIONS		
Coolant	water/brine/air	
Tank	✓	
Pump	✓	
Sensor technology	✓	
Stainless steel piping	✓	
Touch panel	✓	
Bus system	✓	
High efficient motor management	✓	
Energy saving mode	✓	
Economizer	✓	
Heat recovery	✓	
Passive cooling	✓	





Simply scan and find out more about our applications.



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KKT chillers - a brand of ait-deutschland GmbH

 Made in Germany