



Kool°T series.

Cooling capacities 300 kW up to 1,000 kW.

Intelligent. Already during the development process, the arrangement of the individual components was designed in such a way that easy accessibility of the components in case of service is guaranteed, e.g. during maintenance.

Compact. The unit dimensions have been optimised so that even with a high cooling capacity, little space is required for installation.

Versatile. Various configuration options combined with a wide range of equipment options make these chillers an all-round talent.

Efficient. Thanks to the modular design of the cooling circuit with up to 6 compressors, the chiller is efficient and quiet even in partial-load operation.

Innovative. Modern components from renowned manufacturers, e.g. electronic expansion valve, EC fans, microchannel condenser.

Kool°T series. Technical Data.

Air-cooled chillers for indoor and outdoor installation. Developed for all applications requiring high cooling capacities with particularly high reliability and lowest energy consumption. For maximum energy efficiency.

Riedel Kooling chiller type	300 C1	350 C1	410 C2	480 C2	550 C2	650 C3	700 C3
Net cooling capacity ¹	300 kW	358 kW	421 kW	481 kW	550 kW	653 kW	709 kW
Refrigerant ²	R410A						
Ambient temperature ³	- 20 to + 43 °C						
Water outlet temperature	- 10 to + 15 °C						
Flow	52 m ³ /h	62 m ³ /h	72 m ³ /h	82 m ³ /h	93 m ³ /h	113 m ³ /h	122 m ³ /h
Air flow	86.000 m ³ /h		129.000 m ³ /h			172.000 m ³ /h	
Sound pressure level ⁴	62 dB(A)		63 dB(A)			65 dB(A)	
Power consumption, approx. ⁵	116 kW	143 kW	156 kW	191 kW	228 kW	250 kW	285 kW
Operating voltage	3 Ph / 400 V / 50 Hz						
Weight (net)	1.780 kg	1.825 kg	2.610 kg	2.680 kg	2.985 kg	3.470 kg	3.520 kg
Dimensions (width x height x length)	2.345 x 2.465 x 2.950 mm		2.345 x 2.465 x 4.300 mm			2.345 x 2.465 x 5.550 mm	

Exemplary equipment options at a glance.

- + Hydraulic module incl. 3 bar pump and steel tank for atmospherically closed systems
- + Coated condenser (e-coating)
- + Phase monitoring min. / max.
- + Vibrating metal feet (supplied loose)

¹ Net cooling capacity without considering the pump capacity at the design point (refrigerant outlet temperature 20 °C / ambient temperature 32 °C); 400V / 3 Ph / 50 Hz; Performance deviation possible according to DIN14511

² Further refrigerants on request

³ Option: ambient temperature range up to 48°C; different housing size

⁴ In 10m distance without reflection, without pump

⁵ Maximum absorbed power/maximum current (full load) without pump



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