



MC Chiller.

Reliable cooling for MRI systems.

Really high reliability thanks to independently working compressors.

Really durable refrigeration components from recognized manufacturers.

Coordinated for use in combination with a wide range of MRI systems from established manufacturers.

System versions for global use with regard to operating conditions and approvals based on current regulations and standards.

Always there for you: worldwide operation and service.





Rely on Riedel Kooling as an established global system provider for all major system manufacturers in the field of Medical Imaging.

Our really useful accessories complete MC-Chiller series for even more comfort and effectiveness.

				MC Chiller series	
Model				MC649ASL	MC670ASL
Refrigerant				R407C	R134a
Coolant fluid				Water or Glycol-water mixture (40:60)	
Net refrigeration capacity ¹⁾	kW			49	70
Coolant outlet temperature	°C			6 to 12	
Ambient temperature, max.	°C			40	
Ambient temperature, min.	°C			-25	
Flowrate coolant	m ³ /h			7.8	
Available pump pressure	bar			3.5	
Water connections	G			R1½" external thread	
Tank volume	l			80	
Air volume flow at ambient conditions	m ³ /h			22000	33000
Power supply	V/Ph/Hz			380 (±10%) / 3 / 50 (±1.5) + Neutral	
Max. operating power consumption ¹⁾	kW			35	48
Max. operating current ¹⁾	A			66	91
Sound pressure level ²⁾	Full load	db(A)			60.5
Sound pressure level ²⁾	Partial load	db(A)			49
Dimensions for transport (W x H x D)	mm			3050 x 2220 x 1170	3050 x 2220 x 1200
Dimensions (W x H x D)	mm			2400 x 2000 x 1070	2860 x 2000 x 1070
Weight for transport	kg			820	1080
Weight (empty)	kg			710	1000

Accessories

Modular system: There are numerous practical options for extending the range of functions, comfort and safety of the MC series.

Remote control panel	Emergency water supply module	Anti-vibration kit	Glycol-water mixture
			
Interface for online monitoring.	Alternative water supply for the helium compressor via the tap water network in the event of maintenance work.	The elastic bedding of the cooling unit prevents disruptive mechanical vibrations.	Ideal coolant fluid ready for use until -37 °C.

¹⁾ tw2 = 10 °C; ambient temperature tu = 40 °C (refrigeration capacity),

²⁾ At a distance of 10 m, average sound pressure level under free field conditions derived from the calculated sound power levels; DIN EN ISO 3741



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