

# Kool°S

## 适用于各种工业冷却

### Fit For All Kinds of Industrial Cooling



技术参数 Technical Data			Kool°S 8 C2	Kool°S 12 C3
型号 Type				
制冷剂 Refrigerant			R410A	R410A
制冷剂容量 Refrigerant charge	g		1300	2100
冷却剂 Coolant	g		水或乙二醇 / 水的混合物 Water or Glycol/water mixture	水或乙二醇 / 水的混合物 Water or Glycol/water mixture
制冷量① Cooling capacity①	Kw		8.0	11.0
出水温度 Coolant outlet temperature	°C		10~30 可调节 10~30 adjustable	10~30 可调节 10~30 adjustable
温控精度 Temperature stability	K		±1.0	±1.0
环境温度 Ambient temperature	°C		5~45	5~45
环境温度 Ambient temperature	g		3Ph/400V/50Hz	3Ph/400V/50Hz
冷却剂流量 (约...) Coolant flow, approx..	m³/h		1.5	2.0
水泵 Pump	标准版本 Standard version	g	CHL2-50	CHL2-50
	高压版本 High pressure version	g	CHL2-60	CHLF(T)4-60
可供扬程 Free pump pressure	bar		3.0/4.4	3.0/4.4
水箱容量 Tank volume	L		60	80
冷却剂连接方式 Coolant connections	Rp		3/4"	1"
尺寸 (宽 × 深 × 高) Size (W×D×H)	mm		1020×655×1140	1240×770×1650
净重 Net weight	kg		146	193
最大工作压力 Max. working pressure	bar		45	45
噪音等级② Sound Pressure Level②	dBa		<65	<72

- ① 回路供水温度 Tws=20°C, 环境温度 Ta=32°C  
Circuit water supply temperature Tws=20°C and ambient temperature at Ta=32°C
- ② 5米距离无反射声场的一半 - 服务方 1)  
Half the sound field without reflection at 5 m distance - service side 1)



#### 📍 GLEN DIMPLEX CHINA

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# INDUSTRIAL CHILLER Kool°S工业冷水机

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# Kool°S

## 适用于各种工业冷却

### Fit For All Kinds of Industrial Cooling

无论是大规模量产还是小批量生产，冷却始终是生产的关键部分。Kool°S负责确保刀具、工件和机器本身保持的适当温度，整个生产过程的时间和加工设备的使用寿命取决于冷却系统提供理想工作温度的能力。如果所有环节都能得到足够的冷却，整个生产过程就会更加顺利的运行。我们通过提供高效和精确的冷却解决方案来确保这一点，完全基于您的实际需要。

From mass production to small batches, cooling is a crucial part of production. Kool°S is responsible for ensuring appropriate temperatures for the tool, workpiece, and the machine itself. The timings and service lives for the entire production process depend on the degree to which the cooling system provides ideal operating temperatures. If everything is sufficiently cooled, the production process runs like clockwork. And that we ensure by providing individual solutions for efficient and precise cooling. Exactly to the point and completely according to your needs.

激光切割 Laser Cutting	机床 Machine Tooling	能源管理 Energy management
激光焊接 Laser Welding	半导体 Semiconductors	注塑 Injection Molding
数据中心 Data Center	印刷和包装 Printing & Package	食品 Food
微加工 Micro Processing	钎焊 Soldering	增材制造 Additive manufacturing
医疗 Healthcare	表面处理 Surface Treatment	电子设备 Electronic Equipment



- 经典 Riedel Kooling 家族式外观，紧凑的内部结构设计，更小的安装空间需求  
Classic Riedel Kooling family style exterior, compact interior structure design, smaller installation space requirements.
- 使用操作简便，注水 / 排水无需打开设备  
Easy to operate, no need to open the equipment for water injection/drainage.
- 适应更高的环境温度，最高可在 45 度下运行  
ADAPTS to higher ambient temperature, can operate at up to 45 degrees.
- 密闭转子式压缩机，水泵及板式换热器均采用不锈钢材质  
Closed rotor compressor, stainless steel pump and plate heat exchanger.
- 低噪音设计，轴流式风机自带导风罩  
Low noise design, axial fan with air hood.
- 保养维护简单，无耗材，持久耐用的可清洗空气滤网  
Simple maintenance, no consumables, durable washable air filter.
- 高效节能，环保安全  
High efficiency, energy saving, environmental protection and safety.

### 精确的温度控制 Precise Temperature Control.



最佳冷却可靠性和使用寿命，PID 控制的热气旁通电子膨胀阀，可实现精确的制冷量调节。

Optimum cooling for Reliability and Long Life. Cooling capacity adjusted accurately by PID controlled hot gas bypass valve.

### 高可靠性 High reliability



配备压缩机，水泵和风机过载保护，液位开关和安全阀保护水泵，温度，压力传感器和开关保护制冷系统。

Overload protector for compressor, fan, and pump. Pump protection with float switch and safety valve. Refrigeration system protection by temperature/pressure sensor/switch.

### 便捷的用户界面 Convenient user interface.



Kool°S 的用户界面可显示告警信息，参数和设置参数，还支持手动操作。用户可以通过手机上的专属 APP 查看参数和设置参数。

Kool°S uses the user terminal to display the alarms, the main variables and to set the unit set points and manual functions. The information and parameters accessible from the Applica app depend on the access level and the unit configuration parameters.

### 提供通讯功能选项 Communication options.



个人电脑等电子设备可通过 USB 端口接入机组的 RS485 网口实现远程通讯 (ModBus)，支持用户远程读取机组信息和设置参数。

Electronic device used to interface an RS485 network to a personal computer via the USB port (communication protocol ModBus RTU). It allows the user to read all information about the device and to set some parameters.

## FROM OUR SERVICE. 您能从我们的服务获得什么？

### 更多的附加值 Gain added value.

客户的满意是我们对于服务考评的唯一标准。除了我们制冷专家给出的建议之外，我们还为您提供完全符合您实际需求的服务和维护套餐。Our quality standard is the satisfaction of our customers. In addition to advice from our experts, we offer service and maintenance packages that precisely match the respective requirements. The result: an all-inclusive, stress-free route to the ideal cooling solution.

我们的生产行业一流品质的产品，在业内，我们提供的服务也同样名列前茅。Simply the best on the market. And that's true of our service too.

无论您的角色是操作员，安装人员还是 OEM 客户，我们全面的服务范围确保您获得最佳的制冷解决方案体验。Our comprehensive range of services ensures that you receive the very best cooling solution available, whether you're an operator, installer, or OEM customer.

您可以通过两种渠道快速与我们取得联系  
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