

# Julabo Product Data Sheet

## SC5000a SemiChill - Recirculating Cooler

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### Product Image



### Order Information

**Model:** SC5000a  
**Order no.:** 9500050XXP3H0D0M0

Available mains power:  
 400V / 3 Ph. / 50Hz  
 208-230V / 3 Ph. / 60Hz

### Description

Recirculating Cooler for industrial applications (basic model, additional options for specific requirements available)

The SemiChill series offers powerful recirculating coolers. These units have been especially designed for applications in the semiconductor industry. Five models are available, with cooling capacities from 2.5 to 10 kW (air- or water-cooled). Working temperature ranges from +5 to +35 °C which can optionally be extended from -20 to +130 °C. Also available is a selection of powerful pumps. The units can be modified to provide heater capacities up to 5 kW. Selection between different electronic modules to conform to simple or high demands such as, for example flow rate and conductivity measurement, external temperature control or integration of the coolers via analogue signals, RS232, devicenet or ethernet. A large range of accessories and options including DI filters, microfilters, USB adapters, etc. is available.

### Advantages

- o For the most demanding applications
- o Space-saving, no lateral ventilation
- o Handles and castor make relocation easy
- o Industrial grade mains power switch and emergency cut-off
- o Pressure gauge
- o Liquid level indicator
- o Front filling port
- o Low noise level
- o PID temperature control
- o ATC3 3-point calibration
- o Early warning system for low liquid level
- o Warning and safety functions
- o Modular design allows selection between different options
- o Air-cooled

### Sales & Support:

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 Pictures may differ from original.

### Technical Specifications

Working temperature range	-20 ... 130 °C <a href="#">Options</a>
Temperature control	PID
Temperature stability	±0.1 °C
Display	LED <a href="#">Options</a>
Display resolution	0.1 °C
Integrated programmer	not available
Heater capacity	0 W <a href="#">Options</a>
Cooling capacity	20    0    -10    °C 5000   2500   1200    W
Refrigerant	R404A
Pump capacity	Pressure: 3,5 bar <a href="#">Options</a> Flow rate: 33 l/min
Digital interfaces	RS232
Bath opening / bath depth (W x L / D)	Ø = 7 / - cm
Filling volume	43 ... 60 Liters
Dimensions (W x L x H)	59 x 67 x 112 cm
Weight	153 kg
Ambient temperature	5...40 °C
Classification according to DIN 12876-1	3

### Miscellaneous

Important information: this data sheet contains only the basic model. Select your individual SemiChiller according to your specific requirements and the available options. Please contact us: we help you to configure a suitable model for your requirements.