

High capacity recirculating chillers are the ideal solution when you have a large amount of heat to remove and require below ambient temperature cooling as well as temperature stability. They are compatible with clean water, EGW, and PGW.

High Capacity Recirculating Chiller Features

- High capacity chillers are offered with 21 kW or 50 kW of cooling capacity at 20°C set point, 20°C ambient, and 60 Hz
- Dual voltage allows electrical to be easily switched from 60 Hz to 50 Hz
- High capacity chillers have a temperature stability of either $\pm 0.5^{\circ}\text{C}$ or $\pm 1.0^{\circ}\text{C}$
- High reliability with a 2-year warranty



High Capacity Recirculating Chiller Technical Specifications

Specification	RC27969G1	RC50077G1
Cooling Capacity	21 kW	50 kW
Compressor Type	Centrifugal Pump	Turbine Pump
Compressor Capacity	5 HP	15 HP
Temperature Stability	$\pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$)	$\pm 1^{\circ}\text{C}$ ($\pm 1.8^{\circ}\text{F}$)
Fluid Connections	1" (2.5 cm)	1" (2.5cm) Process and Facility
Coolant Temperature Range	5°C to 30°C (41°F to 86°F)	
Ambient Temperature Range	5°C to 35°C (41°F to 95°F)	5°C to 40°C (41°F to 104°F)
Dimensions (WxDxH) mm (in)	795 X 1532 X 864 (31.3 X 60.3 X 34.0)	823 X 1646 X 1321 (32.4 X 64.8 X 52.0)
Electrical (Amps)	460V, 3 phase, 60 Hz or 380V, 3 phase, 50 Hz	
Communication	25 pin D-sub connector with interlock flow, temp & level	15 pin D-sub connector with custom 0-5 VDC remote set point/retransmission
Process Fluid	Clean water ($\leq 1 \text{ M}\Omega\text{-cm}$)/ EGW/PGW	
Condenser	Air-cooled	Water-cooled
Compliance	CE certified and MET tested to UL 1995	CE certified and MET tested to UL 1995 Designed to the intent of UL 1995 and SEMI S2 Standards
Other Features	EMO, Drip Tray, Seismic brackets	

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