

S Series

Self-Contained Reliable Cooling

This standard closed-loop chiller is the quick, reliable solution for process cooling. It offers indoor or outdoor designs from 3 to 20 tons of cooling with a range of voltage and flow options, making it easily adaptable to virtually any application.

It has a digital temperature controller for quick verification, vertical air discharge for operator comfort, cleanable air filters for ease of maintenance, and a brazed plate evaporator for the most efficient thermal transfer available. This unit is a powerhouse of cooling.

We test refrigeration, water and electrical circuits under full load conditions, ensuring a reliable and rugged chiller that will last for many years of operation.

Product Summary:

- Water or water/glycol operations
- 3 to 20 tons of cooling
- Indoor or outdoor designs
- Various voltage options available
- High pressure option available
- 18 month comprehensive warranty
- 24/7 service and support

Sample of Applications:

- Resistance Welding
- Small Lasers
- Spindles
- Induction Heating
- Waterjets
- Chilled Rolls
- Molds
- Heat Exchangers



3 & 5 ton layouts



7.5 & 10 ton layouts



15 & 20 ton layouts

UL 1995 certification | 18 month parts & labor warranty | 24/7 service & support

S Series Specifications and Features

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Features Included:

- Air-cooled, closed loop
- Indoor or outdoor styles available
- Digital temperature controller
- Hermetic compressor
- Brazed plate evaporator
- Hot gas regulator
- Fused disconnect
- Vertical air discharge
- Cleanable air filters
- Manual fluid bypass
- Fluid level sight glass
- Seamless plastic tank
- Remotely located controller (outdoor units only)

High-Flow Package:

- Auto water fill
- Inlet water filter
- High flow pump

Options:

- Anti-back flow
- Inlet water filter
- Casters (indoor up to 5 tons)
- Service/maintenance packages

S Series	3 TON	5 TON	7.5 TON	10 TON	15 TON	20 TON	
Cooling							
Refrigerant:	407C						
Refrigerant capacity:	7	15	18	21	22		lbs
Compressor type:	Scroll Compressor						
Compressor hp:	3	5	7.5	10	2 @ 7.5 ea	2 @ 10 ea	
Condenser type:	Fin and tube						
Fluid Circuit							
Cooling capacity (60Hz):	36,000	60,000	90,000	120,000	180,000	240,000	Btu
Fluid temperature (outlet):	65*						°F
Temperature stability:	3						°F
Cooling medium:	Indoor: Water or water/glycol (70/30)			Outdoor: Water/Glycol (70/30)			
Tank Capacity:	36	60	86				gal
Fluid connections:	1.5	2					in
Wetted component material:	Non-ferrous						
Evaporator:	Copper brazed plate with stainless steel plates						
Climatic Data							
Site of installation:	Indoor and Outdoor Units Available						
Ambient conditions:	Indoor: 50-95 Outdoor: -20-95						°F
Noise level:	70-75						dB(A)
Electrical Data							
Voltage Options:							
230/3/60	•						
460/3/60	•	•	•	•	•	•	
Certifications/Standards:	UL1995						
Controller type:	Indoor: Carel EZ			Outdoor: Ranco			
Additional Data							
Dimensions w/ casters (WxDxH):	35 x 37 x 68	57 x 37 x 68	57 x 60 x 68				in
Finish:	Indoor: RAL 7035 powdercoat			Outdoor: Galvanized			
Crated weight:	690	1100	3000				lb
Wet weight:	1100	1900	3900				lb

* This is the rated temperature at 95°F ambient. Temps can vary but will affect capacity - contact factory.