S-Series Chillers

Recirculating, Air-Cooled

S1K S2K S4K S6K

S-Series Chillers

Designed to meet the demanding cooling requirements of industrial and laboratory applications, the S-Series delivers quick connection, intuitive operation and 'set-it-and-forget-it' performance.

Choose the S-Series model that matches your heat load (1kW to 6kW), select your cooling set point, and start experiencing the high performance and peace-of-mind that comes from having Lytron Affinity chillers in your process.

System Features:

- Series Cooling Capacity Range up to 6000W @ 60 Hz (4750W @ 50 Hz)
- Cooling Range: 39°F to 86°F (4°C to 30°C)
  14°F to 86°F (-10°C to 30°C) Optional
- ±0.2°F (0.1°C) Temperature Stability
- Copper or stainless steel wetted materials
- Enhanced ergonomic operator interface
- Adjustable bypass integrated in chiller
- Industry standard communication options for remote monitoring and control
- RoHS, MET and CE Compliant
- "Green" Design – low resource consumption
- Small in size and quiet
- Options enable tailoring to the specific application
- Quick turn preventative maintenance
- Worldwide service and support available 24/7

LYTRON®
Affinity® Thermal Systems

S-Series Chillers

Specifications

	S_{1K}	S_{2K}	S_{4K}	S_{6K}
Cooling Capacity SP: 68°F (20°C) / Ambient: 68°F (20°C)	1100W @ 60 Hz 985W @ 50 Hz	2000W @ 60 Hz 1685W @ 50 Hz	4250W @ 60 Hz 3525W @ 50 Hz	5700W @ 60 Hz 4750W @ 50 Hz
Reservoir Capacity (Level Indicator on front of unit)	1.2 gal (4.5 liters)	1.2 gal (4.5 liters)	1.75 gal (6.5 liters)	1.75 gal (6.5 liters)
Pumps –Standard	PD1: 2 gpm (7.6 lpm) PD pump	PD1: 2 gpm (7.6 lpm) PD pump	PD1: 2 gpm (7.6 lpm) PD pump	T4: 8 gpm (30.4 lpm) Turbine pump
Pumps – Options	PD2: 4 gpm (15.2 lpm) PD pump T3: 4 gpm (15.2 lpm) Turbine pump	PD2: 4 gpm (15.2 lpm) PD pump T3: 4 gpm (15.2 lpm) Turbine pump	PD2: 4 gpm (15.2 lpm) PD pump T3: 4 gpm (15.2 lpm) Turbine pump T4: 8 gpm (30.4 lpm) Turbine pump	Turbine pump is standard on S6K
	55.3 dBA @ 1 meter	60.7 dBA @ 1 meter	66.7 dBA @ 1 meter	66.7 dBA @ 1 meter
	B: 100V / 1 phase / 50 Hz 115V / 1 phase / 60 Hz Q: 220-240V / 1 phase / 50 Hz T: 200V / 1 phase / 50 Hz 208 –230V / 1 phase / 60 Hz	Q: 220-240V / 1 phase / 50 Hz T: 200V / 1 phase / 50 Hz 208 –230V / 1 phase / 60 Hz	T: 200V / 1 phase / 50 Hz 208-230V / 1 phase / 60 Hz K: 200-220V / 3 phase / 50 Hz 208-230V /3 phase / 60 Hz L: 380V / 3 phase / 50 Hz 460V / 3 phase / 60 Hz	K: 200-220V / 3 phase / 50 Hz 208-230V /3 phase / 60 Hz L: 380V / 3 phase / 50 Hz 460V / 3 phase / 60 Hz
Dimensions	L: 26.5" (67.4 cm) W: 16.4" (41.7 cm) H: 26.8" (68.0 cm)	L: 26.5" (67.4 cm) W: 16.4" (41.7 cm) H: 26.8" (68.0 cm)	L: 31.5" (80 cm) W: 19.8" (50.3 cm) H: 31.9" (81.0 cm)	L: 31.5" (80 cm) W: 19.8" (50.3 cm) H: 31.9" (81.0 cm)
Unit Weight (Dry)	165 lbs (75 kg)	180 lbs (82 kg)	272 lbs (123 kg)	302 lbs (137 kg)

S-Series Features & Options

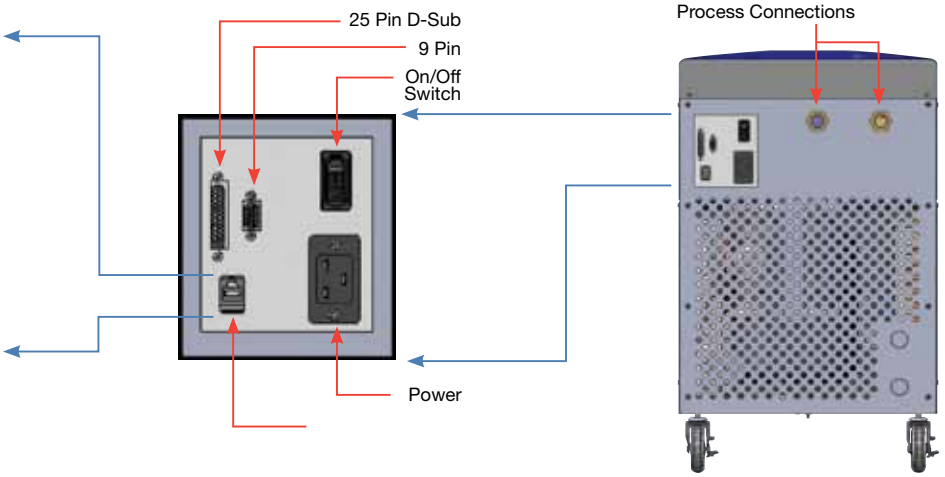
Cooling Type	Standard: Air Optional: Water
Cooling Loop	Standard: Copper / Brass / EPDM Optional: Stainless / Nickel / Plastic
Temperature	Ambient: 41°F to 95°F (5°C to 35°C) Process: 39°F to 86°F (4°C to 30°C) 14°F to 86°F (-10°C to 30°C) Option Stability: ±0.2°F (0.1°C)
Refrigerant	R-134a

Operator Interface	Ergonomic, LED display and function buttons
Machine Interface (Optional)	RS485: 25-pin D-sub RS232: 9-pin D-sub Ethernet : RJ45 Alarms: 25-pin D-sub
Pressure Reading	Optional transducer with reading available through operator display
Certifications	Standard: MET Listing to UL 1995, CE, RoHS / Optional: SEMI S2
Filtration	Optional: 5, 20 & 50 micron filters
Ionization	Optional: Static level @ 1 M /cm Controlled with Level monitoring

Communications

PC Interface to control chiller

Electrical Interface



Americas

775 Route 16
Ossipee, NH 03864
(603) 539-3600

Europe

Hubertusstrasse 47
Castrop- Rauxel 44577
Germany
49 173 85 11550

Asia

Hola Centre
65 Ubi Crescent #06-08
Singapore 408559
65 6841-6283

email: info@Lytron.com

LYTRON®
Affinity® Thermal Systems