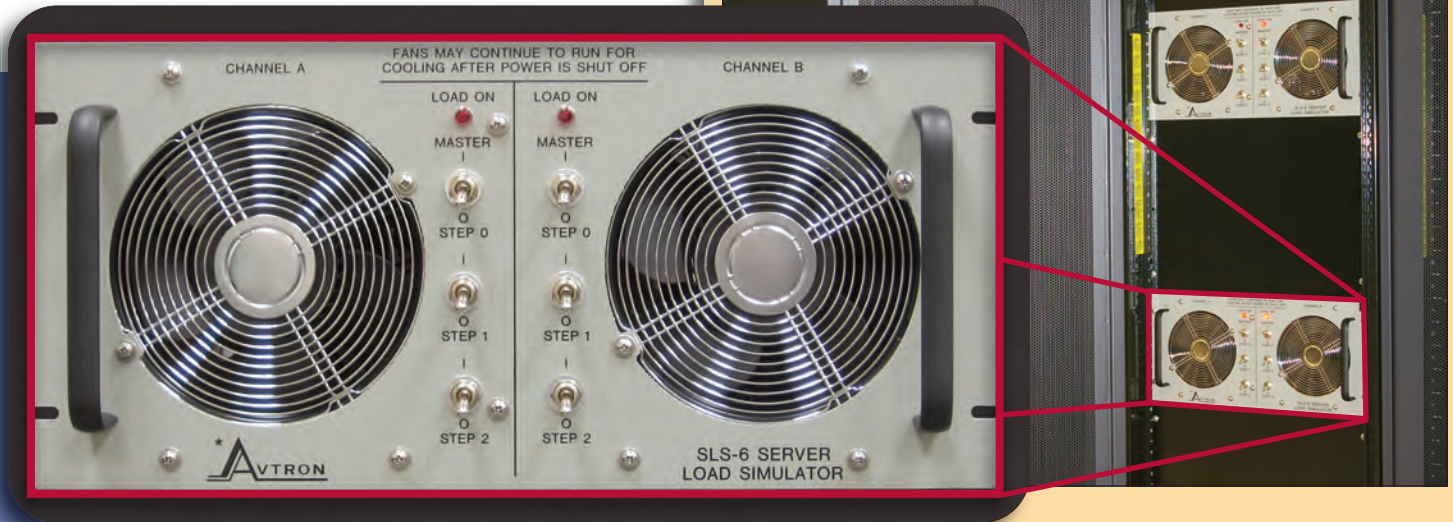




Server Load Simulator

Model SLS-6

6 KW



The *ALL-NEW* Avtron Server Load Simulator Model SLS-6 is a self-contained, rack-mounted unit that simulates the actual heat loading of a computer server.

The SLS-6 is designed for data center heat-load testing and server placement during the data center design and construction stage. In today's high power data center environments, it is absolutely critical to design and test the facility HVAC cooling system prior to installation of the actual servers themselves. The Avtron Server Load Simulator mimics the exact heat output of the actual server under load and has the same form factor and dimensions as the servers themselves, whether they are conventional low power density servers (2-6 KW per rack) or the new

high-density blade servers (up to 24 KW per rack). This real-world heat loading using actual Avtron Server Load Simulators is far more accurate and precise than using conventional HVAC software simulation (without any heat loading). Potential heating problems can be easily identified and corrected using the SLS-6 Server Load Simulator.

The Avtron Server Load Simulator is rated for single phase 120 VAC or 208 VAC input with a power output up to 6 KW total. The 6 KW total rating of the SLS-6 (in 120 VAC mode) is 50% greater than competitive units! This saves time and money when performing a data center server load simulation since fewer units are needed. For example, a 120 VAC, 48 KW load simulation could be done with eight Avtron units

at 6 KW each vs. twelve competitive units at 4 KW each. The SLS-6 load simulator is 5U (8.75") high and up to eight loads will fit into an industry standard 42U rack. However, a more realistic heat load would be one to four SLS-6 loads per rack. Cold-side blanking panels (to prevent recirculation of hot air) are available as an option.

The Avtron SLS-6 is self-cooled with two integral cooling systems (one per channel) which operate from a 120 VAC, single-phase external power supply or from internal load power. The SLS-6 draws in cool air through it's front side from the "Cold Aisle". The hot air exhaust is then discharged through the rear of the unit into the "Hot Aisle". Units may be operated remotely via a rear-mounted 8-pin DIN connector.

Model SLS-6

SLS-6 RATINGS:

CAPACITY: 2 x 3 KW channels, up to 6 KW total

VOLTAGE: 120 VAC, 1 PH, 60 Hz or 208 VAC, 1 PH, 60 Hz

LOAD STEPS: 120 V Operation – Two Channels, each with two inputs

Step	KW per Input	KW per Channel	KW Total
0	0.83 KW	1.66 KW	3.33 KW
1	1.00 KW	2.00 KW	4.00 KW
2	1.50 KW	3.00 KW	6.00 KW

LOAD STEPS: 208 V Operation – Two Channels, each with one input

Step	KW per Input	KW per Channel	KW Total
0	NA	1.25 KW	2.50 KW
1	NA	1.50 KW	3.00 KW
2	NA	2.25 KW	4.50 KW

CONTROL POWER:

120 VAC, 1 PH, 60 HZ - Switch selectable INTERNAL (derived from load voltage), or EXTERNAL (derived from power cord).

SAFETY FEATURES:

- Touch safe terminal connections
- Individual load element over-temperature protection
- Branch circuit fusing
- Control circuit fusing
- Automatic fan-run circuit for element cooling at shut-down
- Unit is UL listed

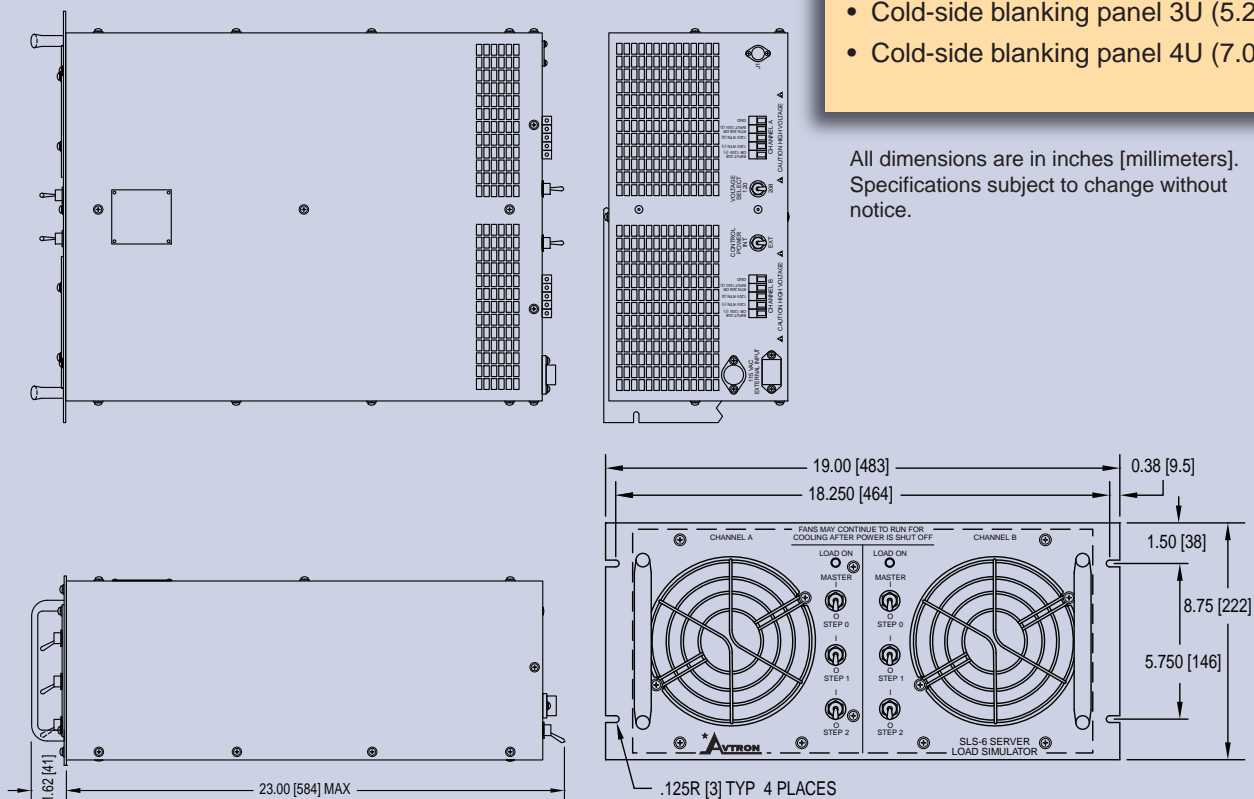
REMOTE OPERATION:

An 8-pin DIN connector is mounted on the rear of the load bank, permitting remote closure of the master load switch for both channel A and channel B. Contact closure feedback is also available, to support lamps indicating master contactor closure for both channel A and channel B. This feature permits several load banks to be controlled from a central operator console (including competitive units).

OPTIONS:

- Cold-side blanking panel 2U (3.5") high
- Cold-side blanking panel 3U (5.25") high
- Cold-side blanking panel 4U (7.0") high

OUTLINE DRAWING



All dimensions are in inches [millimeters]. Specifications subject to change without notice.

