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SPIRIT LOAD BANK

50 TO 150 KW

- Outdoor Installation
- Heavy Gauge Aluminized Steel Construction
- Built-in Forklift Channels
- Fully Supported Load Elements
- Needs No Cool Down Period
- Remote Operator Controls
- Easy Operation and Maintenance



QUALITY SYSTEM CERTIFIED TO
ISO 9001

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he Avtron Spirit Load Bank is designed for permanent outdoor installation when 50 to 150 KW of load is required. The Spirit series is designed and built to incorporate the latest, state-of-the-art load bank features.

The Spirit Load Bank requires no cool down period after load is removed. The contactors are housed in a thermostatically controlled heated enclosure for protection against condensation related problems.

The load bank contains resistive elements and a blower motor in a rigid structure of formed heavy gauge aluminized steel. Designed for outdoor installation, the load bank utilizes a fixed louver on the exhaust opening to protect the motor and resistive elements from the weather.

A remote control panel is provided for load bank operation and includes the necessary controls and status indicators.

Legendary Avtron quality combined with simple operation and maintenance provide years of trouble free service.

The Spirit Load Bank is used in the generator and UPS industries. This unit is designed to be permanently mounted for dedicated, on-site testing.

Avtron's extensive line of Load Bank and Industrial Resistor Products are solid performers used throughout the world.

For total technical support or additional information, please contact Avtron at (216) 573-7600 or LBsales@avtron.com.

SPIRIT LOAD BANK AVAILABLE RATINGS

Rated KW	Rated Voltage (3 Phase, 60 Hertz)	Load Step Resolution KW
50	208, 480, 240/480 VAC	5,10,10,25 KW
75	208, 480, 240/480 VAC	5,10,10,25,25 KW
100	208, 480, 240/480 VAC	5,10,10,25,50 KW
150	208, 480, 240/480 VAC	5,10,10,25,50,50 KW

Other voltages and KW ratings are available. Consult factory.

SPIRIT LOAD BANK SPECIFICATIONS

CONSTRUCTION: The load bank enclosure is constructed of heavy gauge aluminized steel. A fixed louver is provided on the exhaust opening. Permanent base has built-in forklift channels and is designed for outdoor mounting on floor, roof, or concrete pad. Contactors are protected in a thermostatically controlled, heated enclosure.

RESISTOR ELEMENTS: The fully supported Helidyne™ resistive elements are designed by Avtron and manufactured of corrosion resistant chromium alloy wire.

CONTROL POWER: The unit requires control power of 120 volts, single phase, 60 Hz. (Control power transformer optional.)

COOLING: The resistive elements are air cooled by an integrally mounted three phase blower motor. No additional cooling period is required when load is removed.

CONTROLS: The 19" rack-mounted control panel is provided loose for remote mounting (control panel enclosure optional). Controls include a POWER ON-OFF switch, a CONTROL POWER light, BLOWER ON-OFF push buttons with a BLOWER POWER light and AIR FAIL light, MASTER LOAD ON-OFF switch, and individual load step ON-OFF toggle switches.

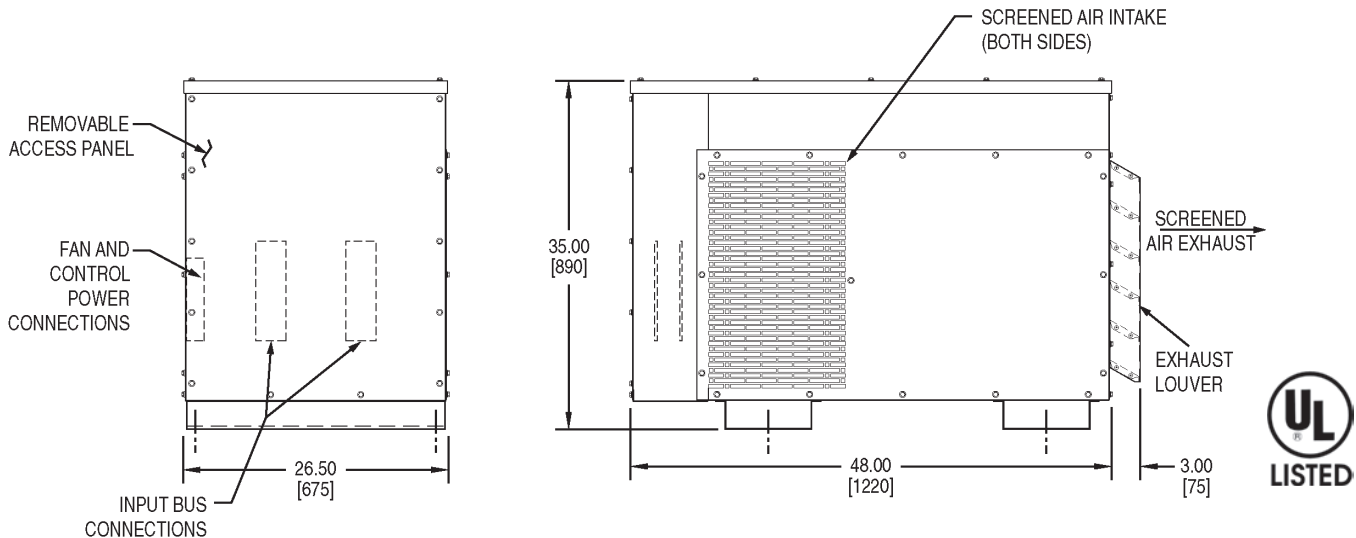
OPTIONAL DIGITAL METERING: Avtron Advanced Digital Monitoring System (ADMS)™ is available as an option for display of Volts, Amps, Frequency, and KW. ADMS™ also includes Communicator EXT™ Data Logging Software.

PROTECTION: The Spirit Load Bank features branch circuit fusing on all load steps and overtemperature protection. A differential pressure air switch on the blower is electrically interlocked to remove the load if the airflow is not sufficient to provide proper cooling.

WEIGHT: Approximately 500 pounds [225 kg].

OPTIONS:

- ADMS™ Digital Metering (V, A, KW, Hz) with Communicator EXT™ Data Logging Software
- Meter and Control Panel Enclosure
- Control Power Transformer
- Automatic Load Step Controller
- 1 KW Load Step Resolution
- Designs for International 50/60 Hertz Voltages or Custom DC Designs are also available



ADMS™ and Helidyne™ are trademarks of Avtron. Communicator EXT™ is a trademark of Electro Industries/GaugeTech.

All dimensions are in inches [millimeters].
Specifications subject to change without notice.
Printed in U.S.A. Rev. A

