



ComRent International

LOAD BANK RENTALS AND SALES

K595—55.5 kW Portable Resistive Load Bank

- **Mobile and Lightweight**
- **Simple to Use**
- **Single or Dual Voltage Designs**
- **Rugged Resistive Load Elements**
- **50 Hertz Models Available**
- **No “Cool Down” Period After Operation**



►The Avtron Model K595 is a portable load bank designed for indoor use, rated at 55.5 KW, 240 volts, 3-phase, 60 Hz. A dual voltage unit is also available, rated at 55.5/54 KW at 240/480 volts, 3-phase, 60 Hz. The K595 is a wye-connected unit. This makes it more versatile as it can also be used for testing 120 volt, single phase, power sources.



►This unit is engineered for fast and accurate testing. It is equipped with a large, easy to read, analog voltmeter and ammeter. Load connections are made quickly and easily at the bus bars located behind the access door on the front of the unit.

►The K595 incorporates industrial type contactors for application and removal of loads. They are positioned in an area that is isolated from the high heat generated by the resistive elements for improved reliability.

►Load elements used in the K595 are made of a corrosion resistive material and are specially wound and supported their full length for long and reliable operation. Each element is individually wound, tested and calibrated at our plant to ensure that the applied load is within 3% of the control switch value. These load elements are engineered to operate at one half – or less – of their temperature rating, which is the main reason why a “cool-down” period is not required after load bank operation.

ComRent International is your complete source world wide for load bank rentals, sales, and refurbishments. Products include: Load Banks 1kW – 30mW • Resistive • Reactive • Capacitive • 1–1000 VDC • Electronic Loads • Power Cables Medium Voltage Resistive, Reactive & Capacitive • 4mW @ 4160 VAC • 5mW @ 13.8 kV • 20–30mW @ 11–13.8 kV

K595 RATINGS AND SPECIFICATIONS

| Total Load kW | Voltage | Load Step Resolution kW |
|---------------|---------|------------------------------|
| 55.5 | 240 | 0.5, 1, 2, 4, 8, 16, 24 |
| 55.5 (240V) | 240/480 | 240V 0.5, 1, 2, 4, 8, 16, 24 |
| 54 (480V) | 240/480 | 480V 2, 4, 8, 16, 24 |

- ▶ **CONSTRUCTION:** A rugged enclosure equipped with screened inlet and exhaust openings houses the K595. Two fixed and two lockable swivel casters mounted at the corners of the enclosure are provided for mobility.
- ▶ **CONTROL POWER:** 120 volts, 60 Hz, 1-phase. A 10 foot line cord with 3 prong plug is provided.
- ▶ **COOLING:** A 1/3 horsepower blower motor requires 120 volt, 60 Hz, single phase.
- ▶ **CONTROLS/METERING:** The control panel is equipped with a POWER ON/OFF switch, a METER SELECT switch, a MASTER LOAD ON/OFF switch, and individual load step switches.
- ▶ **SAFETY CIRCUITS:** Control and motor power circuits are fuse protected. A differential pressure switch drops out load if cooling air flow is insufficient. The load connection is protected by a micro switch that disables the control circuit if the access door is opened.
- ▶ **WEIGHT:** Approximately 295 pounds

OPTIONS:

- ▶ Frequency Meter 45-65 Hz Range
- ▶ Frequency Meter 380-400 Hz Range
- ▶ Kilowatt Meter
- ▶ Voltmeter 250 V, 1% Full Scale Accuracy
- ▶ Voltmeter 500 V, 1% Full Scale Accuracy
- ▶ Vinyl Dust Cover
- ▶ Running Time Meter

All dimensions are in inches (millimeters).
 Specifications subject to change without notice.
 Printed in U.S.A. Rev. B.

