

Load Bank

Model – Resistive Avtron 3110

DATA SHEET – ORDER CODE – LB1000

TEMPLANT

Rental Power

TECHNICAL DATA

Electrical

Standard Capacity Rating	Up to 1250 kW
Standard Load Step Resolution	1 kW
Auxiliary Supply	Requires 32 Amp 3 Phase Inlet
Standard Voltage Ratings	
Voltage	(50Hz) 400V (60Hz) 480V
Max Capacity	(50Hz) 1025kW (60Hz) 1250kW

Airflow and Noise Level:

Cooling	Forced-air cooling
Fan Motor Rating	50Hz (Direct-On-Line), 4.5 kW
Airflow	8.3 m ³ /s (17,587 CFM)
Typical Noise Level	73 dBA at 50Hz

Load Control

Control System	Sigma 2 Controller
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Construction

Weight (Kg)	1290
Frame	2mm 'Zintec' steel, folded and welded
Doors	Double-skinned recessed doors
Discharge Duct	Horizontal discharge duct with heat shield
Safety Screens	Stainless steel mesh screens
Electrical Enclosures	IP54 Rated
Lifting Frame	Yes

Resistor Elements

Elements	Replaceable, non-finned stainless steel
Operating Temperature	Up to 800°C continuously
Load Tolerance	Within 2½ % of total capacity
Safety Screens	Stainless steel mesh screens
Electrical Enclosures	IP54 Rated

Safety Features

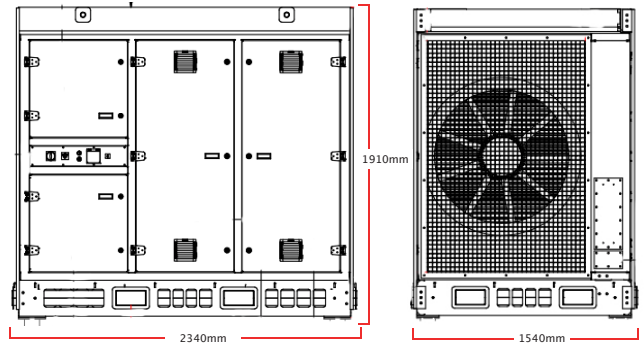
Emergency Stop/Disconnect Switch	Yes
Control Circuit Transformer	110 Volt AC
Fan Motor Protection	Fuses and thermal overload
Phase Rotation Detection	Yes
HRC Fuses	Yes
Load Contactor Interlock	Yes
Safety Screens	Polycarbonate screens

Power Terminals & Cable Entry

Live Terminals	5 x M12 Bolts
Neutral / Earth	1 x Neutral M12 Bolts / 2 x Earth M12 Bolts
Cable Entry	Gland plates (various types)

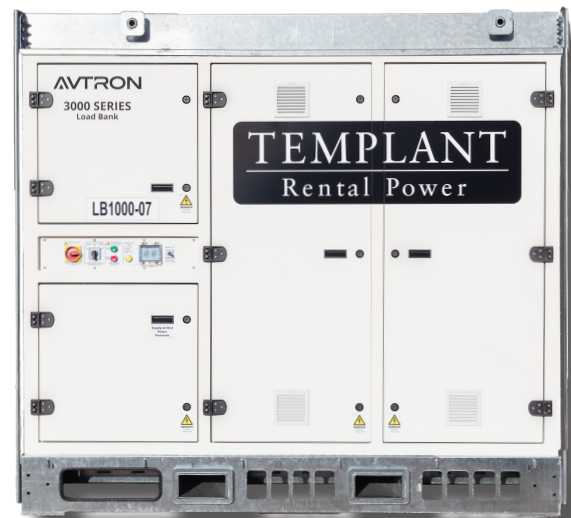
Testing and Standards

Functional operation and load tests completed on all load banks
Avtron load banks comply with international standards and are CE marked



KEY FEATURES

- High Capacity Loads ✓
- Precise Load Control: ✓
- Versatile Voltage Ratings: ✓
- Robust Construction ✓
- Safety Assurance ✓



Sigma 2

A sophisticated load bank control solution that offers advanced instrumentation, ISO8528-compliant data acquisition, and site load correction for any application.



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365 DAYS A YEAR**
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