GENERATOR SOLUTIONS

ACCESSORIES

500kW AND 1000kW RESISTIVE LOAD BANKS

CHARACTERISTICS AND DIMENSIONS		
Model	**GA LB-500**	**GA LB-1000**
Testing Capacity at 3 Phase 415 VAC	0 - 500kW	0 - 1000kW
Testing Capacity at Single Phase 240 VAC	0 - 83.3kW	0 - 166.37kW
Type of Load	Resistive, PF = 1.0	
Duty	Continuous	
Cooling System	4 x 650W industrial grade axial fan	6x 650W industrial grade axial fan
Phase	Available at both single and 3 phase	
Rated Testing Voltage	240/415VAC	
Rated Frequency	50/60Hz	
Dimensions (L x W x H mm)	2100 x 1560 x 1700	2100 x 1660 x 2450
Weight (kg)	1200	1800

TECHNICAL SPECIFICATIONS

Resistive type of load, PF = 1.0. Stainless steel sheathed elements manufactured from high grade magnesium oxide

Rated testing voltage AC 3P4W, 240/415V 50/60Hz

Cooling mode - Forced air-cooled, fans mounted on the side of the load bank blow horizontally. Testing power or external utility power supply for fans

Working mode - Load step control:

Total testing capacity ranges from 0kw to the max consisting of 10kW, 20kW, 50kW, 100kW load setting switches plus a 0-10kW fine-tuning knob From 0kW to the max, any load combination is achievable. Load step resolution is 10kW

Our load banks feature world-famous components to ensure reliable performance and longer service life including:

Contractors Schneider Electric

Switches, knobs and indicators SIEMENS

Circuit breakers ABB

Intermediate relays OMRON

Terminal blocks PHOENIX CONTACT

Parameter measuring accuracy grade: 0.5

Load control accuracy: ±5%

Load bank protections - Overheating protection, cooling fans failure protection and over load protection with alarm

Control mode - Two control modes available:

a) Local manual control;
b) Optional: manual control via a remote control panel (max. control distance is 20m)

Parameter display and measurement:

Control panel contains a socomec Innovative Power Solutions multifunction electricity meter displaying voltage, current, load power, reactive power, apparent power, power factor, frequency etc.

(Optional: a professional generator tester displays and measures all sorts of steady, dynamic parameters as well as harmonic wave, can be connected to a PC for data recording and test report printing)

Operating environment:

Altitude: ≤1000m above sea level. Ambient temp: -10ºC ~+40ºC

Relative humidity: ≤80% ventilated environment without explosive or corrosive dust. Not allowed to use in rainy outdoor environment