CRESTCHIC

Datacentre 200kW Stackable Load Bank

Description		
Model		Stackable Transportable
Country of Origin		United Kingdom
Max Capacity - Packaged Load Bank		200kW
Voltage Ranges - (Continuous Operation at Specified)		400V
Operating Frequency Range		50/60Hz
Test Supply Phases		3ph
Load Connections		Powersafe Connectors
Wires (Star Connection)		3
Load-Step Resolution @ Design Voltage		1kW
Voltage Tolerance (Short Term Operation)		+5%
Load Element Tolerance		+/-5%
Elements		80/20 nickel chrome resistance wire
Insulation Test		500V
Auxiliary Supply Voltage		220V - 240V
Auxiliary Supply Current		10A
Operating Frequency Range		50/60Hz
Phases		1ph
Electrical Protection		Thermal Emergency Cut Out
		Fan Overload
		Over Current Protection
		Emergency Stop
Control Voltage		Selectable - Test or Auxiliary
Cooling Method		Forced Air Cooling (Horizontal)
Air-Flow / Temperature Rise (Approx.)		6435 m^3per hour / <100°C at outlet
Load Switching Category		AC-1 Resistive
Load Switching Contactor Type		3 Pole AC Contactors
Rated Maximum Ambient Temperature Operation		+50°C / +122°F
Rated Minimum Ambient Temperature Operation		-20°C / -4°F
Rated Maximum Relative Humidity		9500% RH
Altitude Rating		<500m [m.a.s.l.]
Noise level (Approx. @ 1m Free Field)		83dBA @ 50Hz
Enclosure		
Material		Sheet Steel
Finish		RAL9002 Grey White
Control Chamber IP Rating		IP55
Lifting		Fork Lift Pockets
Protection Frame		Heavy Duty Rubber Bumper Pack
Enclosure Dimensions		
Length (Approx.)	mm	1159
Width (Approx.)	mm	876
Height (Approx.)	mm	983
Total Weight (Approx.)	kg	275
Load Bank Control Systems		
Control		**VCS**
		LC10
Optional Extras:		Extendable
- Control Extension Cable		10m
- Control Extension Cable		20m

200kW AC Stackable - June 24 (Changes to specification may vary without notice)

Crestchic VCS Control System for 200kW Loadbank

The Crestchic Versatile Control System, VCS, is an easy-to-use manual control system for small to medium resistive-only loadbanks. An advanced microprocessor-based system, VCS can be used to control single voltage loadbanks, or multiple units in parallel with the self-powered LC10 handheld controller. VCS offers the user the ability to set kW loads, whilst accurately displaying applied Power (kW) and Current (A) from the onboard instrumentation module. Loads can be applied in three different ways:

Follow

This application setting is perfect for data centre heat-load testing, as the entire load is evenly distributed across all loadbanks generating an equal heat-load for commissioning purposes.

Proportional

Any given load is precisely applied across multiple loadbanks even when the total kW amount is not evenly divisible across the number of loadbanks in use. Ideal for high precision total load, or where the loadbanks in use are of unequal size.

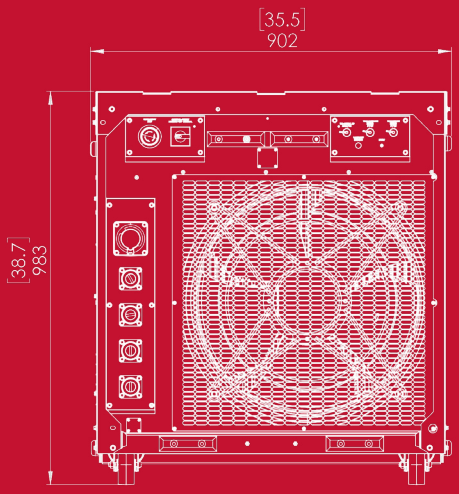
Overflow

A traditional control set-up for load testing generators, whereby the load is applied to the first loadbank until its capacity is reached, before applying the remaining load to the next loadbank(s) in-line, until maximum selected load is reached.

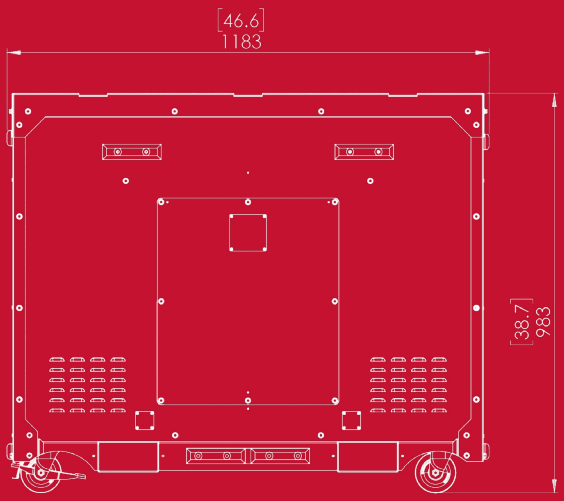
Key Features:

- AC loadbank control system for resistive-only operation (kW)
- Single or multiple loadbank operation from an individual controller (up to 20 loadbanks or 4.0MW)
- Automatic IP assignment of each loadbank to the controller
- Multiple load sharing programme: Follow, Proportional and Overflow
- Typical load resolution of 1kW across the loadbank range
- 0 to 100% load application or load rejection
- Load application in kW or Amps
- Display of Ph-N voltage with kW and Current, both per phase and total
- Ethernet 10/100 BASE-T communication to loadbanks

Front View



Side View



Quality without compromise

Our load banks are characterised by one thing above all: quality. At every stage of our supply chain, from raw material to finished item, we work with established, worldclass suppliers and implement our own uncompromising quality control processes to ensure that our products perform better and last longer.

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