

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 ³ per 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	1183
Width (Approx.)	mm	902
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 - August 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

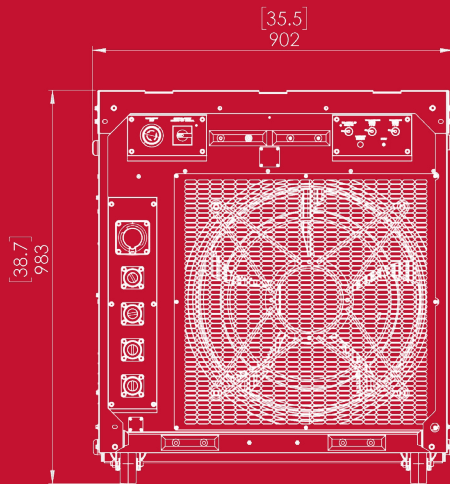
A traditional control set-up for load testing generators, whereby the load is applied to the first loadbank until its capacity is reached, before applying the remaining load to the next loadbank(s) in-line, until maximum selected load is reached.

Key Features:

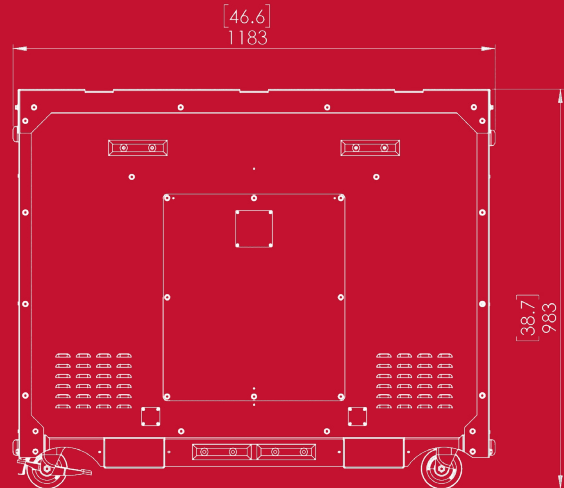
- AC loadbank control system for resistive-only operation (kW)
- Single or multiple loadbank operation from an individual controller (up to 20 loadbanks or 4.0MW)
- Automatic IP assignment of each loadbank to the controller
- Multiple load sharing programme: Follow, Proportional and Overflow
- Typical 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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