

**TECHNICAL SUMMARY SHEET**  
**HAC400-110PX 400V 110KW AC Load Bank**

Doc Ref	HAC400-110PX
Issue	Issue 2
Date	20/10/2014
Pages	4

**Features**

- **SIMPLE OPERATION**
- **ISOLATION CONTACTORS**
- **FAN FAIL PROTECTION**
- **LOW COST**
- **HIGH POWER**
- **NO AUX MAINS REQUIRED**
- **FUSE PROTECTION**
- **HAND HELD CONTROL**
- **PARALLEL OPERATION**



*HAC Case*

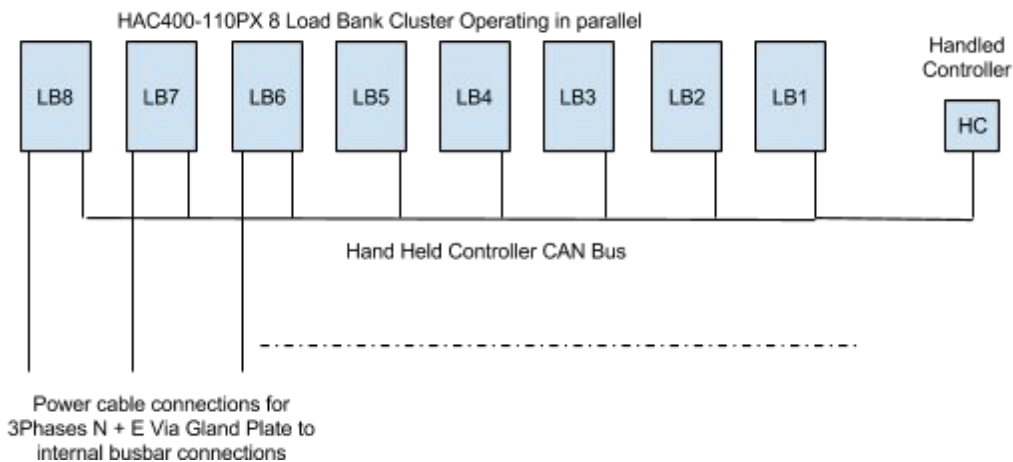
**Product Summary**

The Hillstone HAC400-110PX series load banks offer a low cost solution to data centre heat load testing. The design incorporates force cooled high powered resistor elements to give a heat load of 110KW @ 400V 50Hz.

Load resolution is from a minimum 10KW incremental load selection. A profile of 4 load steps give flexibility from 10KW to 110KW at nominal volts.

Other features include: fully rated HRC fuse protection, fan failure shut down and emergency stop push button isolation. Simple control of the 4 load steps via Handheld controller.

The feature of parallel control for multiple load banks is available by fitting one of our standard controllers into the load bank and by using our canbus technology we can link up to 8 load banks to a single remote hand held controller. The handheld controller can be used for an individual load bank and allows the operator to walk up or walk down the delivered load in 10 KW incremental steps. When multiple load banks are connected a simultaneous change of load profile is made on all load banks at the same time.



**Performance Table**

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Load Bank Type	Power At 400V	Amps At 400V	Approx Weight
HAC400-110PX	110KW	160A	150Kgs

**Approximate Case Size**

Case Size	Length	Width	Height
6	1100mm	600mm	1130mm

**Specification**

Max Voltage	400 volts, three phase 50Hz
Frequency	50Hz
Rating	see above table
Adjustment	From 10KW to max power, selected via hand held controller.
Controls	Control / fan control switch and emergency stop push button. Parallel control of 8 load banks with 10KW incremental or decremental remote control, 1 x 10KW, 1 x 20KW, 2 x 40KW
Cable Termination	Gland plate with internal studs for cable connection to L1, L2, L3, N, E
Cooling	400V 3 phase, 50 Hz., horizontal force air cooling fan, powered from the test source
Element Type	Insulated, air cooled, stainless steel, Incoly, finned sheathed resistor elements.
Environmental Protection	Designed for outdoor operation, electrical control chamber IP54, element chamber IP21
Construction	Robust Zintec steel frame and panels. Single module assembly supplied on castors
Finish	Powered coated, textured finish RAL 7032
Operating Temperature	0-40 deg C
Storage Temperature	0-80 deg C
Movement	Swivel Castors

**Notes :**

1. Units are rated for continuous operation at max volts
2. Standard resistance element tolerance +5 /- 10%
3. External power and control cables are not included
4. Changes to specification, components, dimensions or weights may vary without prior notice.
5. Information in literature, quotations, manuals or data sheets are intended to be correct at the time of publication.
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