

# TECHNICAL SUMMARY SHEET

## HAC240 series – 3KW to 30KW

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### SINGLE PHASE AC LOAD BANKS

#### Features :

- SIMPLE OPERATION
- SAFETY ISOLATION CONTACTORS
- FAN FAIL PROTECTION
- LOW COST
- HIGH POWER
- CABLE SET INCLUDED
- NO AUX MAINS REQUIRED
- HRC FUSE PROTECTION
- HAND HELD CONTROLLER OPTION
- POWER METER OPTION
- COMPUTER DATA LOGGING OPTION



Typical unit illustrated

The Hillstone HAC series load banks offer a low cost solution to on-site AC testing of small UPS and generators. Units incorporate force cooled high powered, isolated resistor elements plus safety features including HRC fuse protection, isolation contactors and fan failure shut down plus 3 metre cable sets with matching connectors. Optional extras include hand held controller or panel meter with digital display of volts, amps, power and frequency plus data logging to separate laptop computer.

#### Performance table

LOAD BANK type ref.	Max volts	Power at 240V	Amps at 240V	Power at 230V	Amps at 230V	Power at 220V	Amps at 220V	Case size	Approx weight
HAC240-3	240V	3KW	12.5A	2.8KW	12A	2.5KW	11A	1	18kgs
HAC240-5	240V	5KW	21A	4.6KW	20A	4.2KW	19A	1	20kgs
HAC240-10	240V	10KW	42A	9.2KW	40A	4.8KW	38A	1	25kgs
HAC240-15	240V	15KW	63A	13.8KW	60A	12.6KW	57A	2	30kgs
HAC240-20	240V	20KW	83A	18.4KW	80A	16.8KW	76A	2	35kgs
HAC240-25	240V	25KW	104A	23KW	100A	21KW	95A	3	40kgs
HAC240-30	240V	30KW	125A	27.6KW	120A	25.2KW	115A	3	45kgs

#### Specification

Max voltage	240volts, single phase, 50 hz / 60 hz			
Adjustment	from 333W to max power, selected via panel mounted switches			
Controls	Start stop push buttons, fan control & emergency stop, load selection switches ( see note 7 )			
Cable	3 metre cable set ( see note 2 ) with matching industrial panel mounted plug type BS4343 on 3KW & 5KW models, or quick release twist lock connectors ( see photo ) on 10KW to 30KW models			
Cooling	1 phase, 50 /60 Hz, horizontal force air cooling fan, powered from the test source			
Protection	HRC fuse protection, emergency stop and fan fail auto shut down.			
Element type	Stainless steel insulated INCOLY sheathed elements			
Environmental	IP20 Designed for indoor operation or outdoors under a ventilated shelter			
Construction	Light weight aluminium case, zintec steel grill			
Finish	Powered coated, textured finish RAL 7032			
Operating temperature	0-40 deg C ( see note 4 )			
Storage temperature	0-80 deg C			
Movement	Top handles and swivel castors			
Optional extras	Hand held controller Data logging to PC	Digital Power Meter 480V / 277V designs	Extra cable length available	Transit / storage case Separate auxiliary control/fan supply

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## HAC240 series continued .....

case size	length	width	height
1	850 mm	330 mm	570 mm
2	900 mm	450 mm	670 mm
3	1000 mm	550 mm	750 mm

### Optional extras - additional information

#### Digital Power Meter

A panel mounted power meter can be provided to display, line volts, phase volts, line current, power and frequency.

#### Hand Held Controller – iHHC

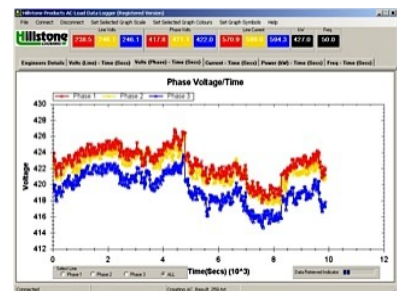
The optional iHHC ( intelligent hand held controller ) provides remote control of the load bank power level plus display of the voltage, current and frequency. The software allows the operator to pre-select the required load on the iHHC and also make incremental adjustments of the power level.

A five metre interconnection control cable is provided with the iHHC. Longer control cables are available on request.



#### PC Interface & Data Logging Software

The PC interface and data logging software allows transfer and storage of test data to a laptop or PC using Hillstone software. The computer display includes volts, current, power and frequency plus a real time graphical display. ( see note 6 )



#### Notes :

- Units are rated for continuous operation at max volts
- Extra cable length available
- Standard resistance element tolerance +/- 5%
- Contact our sales office for de-rating above 40 deg C ambient
- Changes to specification, components, dimensions or weights may vary without prior notice.
- Data logging software OS compatibility :  
Microsoft Windows XP & Windows 7
- When supplied with hand held controller, the panel load switches are omitted.
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