

### HACV415 Series 400KW – 1500KW Outdoor Rated 3 Phase AC Load Banks



#### Features

- **SIMPLE OPERATION**
- **SAFETY ISOLATION CONTACTORS**
- **FAN FAIL PROTECTION**
- **HIGH POWER VERTICAL VENTILATION**
- **STAR OR DELTA OPERATION**
- **FUSE PROTECTION**
- **PARALLEL OPERATION**
- **HAND HELD CONTROLLER OPTION**
- **PC DATA LOGGING OPTION**



The Hillstone HACV series load banks offer a low cost solution to on-site AC testing of generators and UPS systems. Units incorporate vertical force cooling with high powered resistor elements controlled via panel mounted switches. Safety features including HRC fuse protection, fan failure / phase reversal shut down and emergency stop push button. A panel mounted power meter, hand held controller, PC interface with data logging is also available as optional extras.

#### HACV415 Performance Table:

Load Bank Type Ref	Max. Volts	Power at 415V	Amps at 415V	Power at 400V	Amps at 400V	Power at 380V	Amps at 380V
HACV415-400	415V	400KW	555A	367KW	532A	336KW	487A
HACV415-500	415V	500KW	694A	459KW	665A	420KW	608A
HACV415-600	415V	600KW	833A	551KW	798A	504KW	730A
HACV415-800	415V	800KW	1111A	734KW	1064A	672KW	974A
HACV415-1000	415V	1000KW	1388A	918KW	1331A	840KW	1217A
HACV415-1200	415V	1200KW	1666A	1102KW	1597A	1008KW	1461A
HACV415-1500	415V	1500KW	2083A	1377KW	1996A	1260KW	1826A

**HACV Specification:**

<b>Description:</b>	Outdoor, adjustable, resistive AC load bank
<b>Max voltage:</b>	415 volts, three phase, 3 wire plus earth
<b>Rating:</b>	See Performance Table
<b>Frequency:</b>	50Hz (60Hz Optional)
<b>Adjustment:</b>	Manual Control Via Illuminated panel mounted switched steps with a minimum load step of 30KW (Fine control of either 10KW or 1KW available as an optional extra)
<b>Controls:</b>	Load step illuminated panel switches, fan control switch and emergency stop push button
<b>Cable termination:</b>	Internal Busbar connection. Cables can be supplied as an optional extra.
<b>Cooling:</b>	415V 3 phase, 50 Hz, vertical force air cooling fan, powered from the test source or optional separate auxiliary supply.
<b>Element type:</b>	Insulated, air cooled, sheathed resistor elements

**Enclosure Specification:**

<b>Environmental Protection:</b>	Designed for outdoor operation, electrical control chamber IP54, element chamber IP21.
<b>Construction:</b>	316L Stainless steel frame and panels.
<b>Finish:</b>	Powder coated, textured finish RAL 7032
<b>Operating temperature:</b>	0-50 deg C
<b>Storage temperature:</b>	0-80 deg C
<b>Movement:</b>	Forklift Movement

**HACM415 Case Size:**

Load Bank Type Ref	Case Size	Length (mm)	Width (mm)	Height (mm)	Approx. Weight (Kgs)
HACV415-400	A	1080mm	1600mm	2060mm	550Kgs
HACV415-500	A	1080mm	1600mm	2060mm	600Kgs
HACV415-600	A	1080mm	1600mm	2060mm	660Kgs
HACV415-800	B	2020mm	1600mm	2060mm	900Kgs
HACV415-1000	B	2020mm	1600mm	2060mm	1000Kgs
HACV415-1200	B	2020mm	1600mm	2060mm	1200Kgs
HACV415-1500	C	3000mm	1600mm	2060mm	1600Kgs

#### Available Optional Extras

##### DIGITAL POWER METER

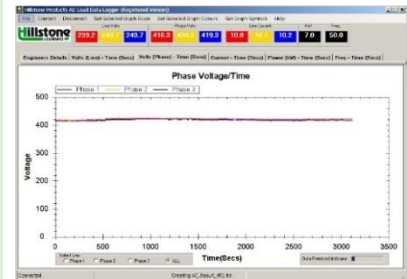
A panel mounted power meter is provided to display, line volts, phase volts, line current, power and frequency



##### 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/Windows 7 software.

The computer display includes line volts, phase volts, line current, power and frequency plus a real time graphical display.



##### OPTIONAL HAND HELD CONTROLLER

The optional iHHC3 (intelligent hand held controller, issue 3) comes complete with the above panel mounted power meter and provides remote control and display of the load bank power level. Load banks supplied with the iHHC3 incorporate smaller switch steps from 10KW to max power in 10KW steps. Switch steps down to 1KW are available if required. The iHHC3 includes a wide 175 deg viewing angle with a 4 line OLED display enabling excellent daylight readability. The hand held controller automatically identifies the number of load banks which are connected in parallel and displays the total KW load available. A maximum of 8 load banks can be connected in parallel. The operator can use the push button controls to select the required load which is then displayed on the iHHC3 as *RUN KW*. Adjustment of the load is easily achieved using the *UP-DOWN* push buttons. The *RUN KW* display on the iHHC3 will automatically update with the actual KW supplied by the load bank, irrespective of any change in load voltage. A five metre interconnection control cable is provided with the iHHC3. Longer control cables are available on request.



##### Notes:

- Units are rated for continuous operation at max volts
- Optional Matching twist lock cable connectors can be provided for you to fit to your external cables
- Standard resistance element tolerance +/- 7.5%
- Data logging software OS compatibility: Microsoft Windows
- Changes to specification, components, dimensions or weights may vary without prior notice.
- Information in literature, quotations, manuals or data sheets are intended to be correct at the time of publication. Hillstone Products bears no responsibility for the accuracy of any information given.
- All information in this publication is the intellectual property of Hillstone Products Ltd.