

### HACM415 Series 3KW – 30KW Indoor Rated Three Phase AC Load Banks



#### Features

- **SIMPLE OPERATION**
- **SAFETY ISOLATION CONTACTORS**
- **FAN FAIL PROTECTION**
- **LOW COST**
- **HIGH POWER**
- **CABLE SET INCLUDED**
- **NO AUX MAINS REQUIRED**
- **FUSE PROTECTION**
- **PARALLEL OPERATION**
- **HAND HELD CONTROLLER AVAILABLE**
- **PC DATA LOGGING AVAILABLE**



The Hillstone HACM series load banks offer a low cost solution to on-site AC testing of small UPS and generators. Units incorporate force cooled high powered, 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.

#### HACM415 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
HACM415-3	415V	3.0KW	4.2A	2.8KW	4.0A	2.5KW	3.8A
HACM415-5	415V	5.0KW	6.9A	4.6KW	6.7A	4.2KW	6.4A
HACM415-10	415V	10.0KW	13.9A	9.2KW	13.3A	8.4KW	12.7A
HACM415-15	415V	15.0KW	20.8A	13.8KW	20.0A	12.6KW	19.1A
HACM415-20	415V	20.0KW	27.8A	18.4KW	26.6A	16.8KW	25.5A
HACM415-25	415V	25.0KW	34.7A	23.0KW	33.3A	21.0KW	31.8A
HACM415-30	415V	30.0KW	41.7A	27.6KW	39.9A	25.2KW	38.2A

### HACM415 Specification:

<b>Description:</b>	Indoor, adjustable, resistive AC load bank
<b>Max voltage:</b>	415 volts, three phase, 4 wire plus earth
<b>Rating:</b>	See Performance Table
<b>Frequency:</b>	50Hz / 60Hz
<b>Adjustment:</b>	Manual Control Via Illuminated panel mounted switched steps of 1KW
<b>Controls:</b>	Fan control switch, emergency stop, illuminated load switches
<b>Cable termination:</b>	BS4343 industrial panel mounted plug on all units.
<b>Cooling:</b>	240V single phase, 50/60 Hz, horizontal force air cooling fan, powered from the test source or optional separate auxiliary supply.
<b>Element type:</b>	Mica card, air cooled, resistor elements

### Enclosure Specification:

<b>Environmental Protection:</b>	Designed for indoor operation, IP21.
<b>Construction:</b>	Light Weight Aluminium case.
<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>	Handles and Swivel Castors.

### HACM415 Case Size:

Load Bank Type Ref	Case Size	Length (mm)	Width (mm)	Height (mm)	Approx. Weight (Kgs)
HACM415-3	250	850mm	350mm	560mm	19Kgs
HACM415-5	250	850mm	350mm	560mm	21Kgs
HACM415-10	250	850mm	350mm	560mm	27Kgs
HACM415-15	300	950mm	480mm	690mm	33Kgs
HACM415-20	300	950mm	480mm	690mm	43Kgs
HACM415-25	300	950mm	480mm	690mm	47Kgs
HACM415-30	300	950mm	480mm	690mm	52Kgs

### Available Optional Extras

#### DIGITAL POWER METER

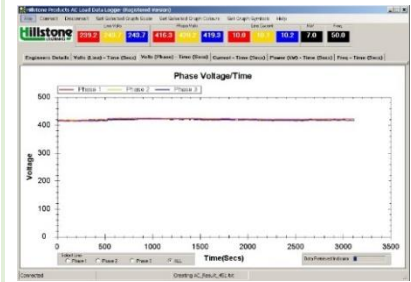
A panel mounted power meter is provided to display, line volts, phase volts, line current, power and frequency



#### 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 software.

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



#### SINGLE PHASE OPERATION:

Special units can be ordered to allow both three phase and single phase testing. The optional single phase performance is detailed below:

#### HACM415 Single Phase 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
HACM415-3	240V	1.0KW	1.4A	0.9KW	1.3A	0.8KW	1.3A
HACM415-5	240V	1.7KW	2.3A	1.5KW	2.2A	1.4KW	2.1A
HACM415-10	240V	3.3KW	4.6A	3.1KW	4.4A	2.8KW	4.2A
HACM415-15	240V	5.0KW	6.9A	4.6KW	6.7A	4.2KW	6.4A
HACM415-20	240V	6.7KW	9.3A	6.1KW	8.9A	5.6KW	8.5A
HACM415-25	240V	8.3KW	11.6A	7.7KW	11.1A	7.0KW	10.6A
HACM415-30	240V	10.0KW	13.9A	9.2KW	13.3A	8.4KW	12.7A

#### Notes:

- Units are rated for continuous operation at max volts
- Extra cable length available
- Standard resistance element tolerance +/-7.5%
- Changes to specification, components, dimensions or weights may vary without prior notice.
- Data logging software OS compatibility: Microsoft Windows
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