

HAC415 Series 30kW – 200kW Outdoor Rated 3 Phase AC Load Banks

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



Case Size A

30kW to 40kW



Case Size B

100kW



Case Size C

200kW

The Hillstone HAC series load banks are designed for portable AC testing of UPS and generators.

Units incorporate force cooled high powered resistor elements plus features including:

- Twist lock safety cable connectors
- HRC fuse protection
- Phase sequence protection
- Fan failure shut down
- Emergency stop push button

User operation is via the remote control iHHC hand held controller which gives 1kW load resolution

The HAC range optional extras include:

- digital panel mounted power meter
- operation for single phase testing
- 60Hz fans
- certified lifting eyes



HAC415 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
HAC415-30	415V	30kW	42A	27.5kW	40A	25.2kW	38A
HAC415-40	415V	40kW	56A	36.7kW	53A	33.6kW	51A
HAC415-100	415V	107kW	149A	98.2kW	142A	89.9kW	136A
HAC415-200	415V	215kW	299A	197.5kW	286A	180.6kW	274A

HAC Specification:

Description:	Outdoor, adjustable, resistive AC load bank
Rating:	415 volts, three phase, 4 wire plus earth (See performance table above)
Frequency:	50Hz (60Hz optional)
Adjustment:	Remote control via iHHC hand held controller for 1kW load resolution
Controls:	Fan On/ Off control switch, emergency stop
Cable termination:	Powerlock cable connectors (Cable Sets supplied as optional extra)
Cooling:	380-415V 3 phase, 50 Hz, horizontal force air cooling fan, powered from the test source or optional separate auxiliary supply. Metal Fan blades are supplied as standard.
Element type:	Insulated, air cooled, sheathed stainless steel resistor elements

Enclosure Specification:

Environmental Protection:	Outdoor Operation		
	Electrical Control Chamber	IP54	
	Element Heat Chamber	IP21	
Case Construction:	Case Size: A	Aluminium (5083 marine grade)	
	Case Size: B	Zintec steel	
	Case Size: C	Galvanised steel	
Finish:	Powder coated, textured finish RAL 7032		
Temperature:	Operating	0-50°C	Storage 0-80°C
Movement:	Braked Swivel Castors and Forklift pockets		

HAC415 Case Size:

Load Bank Type Ref	Case Size	Length	Width	Height	Approx.Weight
HAC415-30	A	1080mm	590mm	945mm	50Kgs
HAC415-40		1080mm	590mm	945mm	65Kgs
HAC415-100	B	1145mm	575mm	1110mm	150Kgs
HAC415-200	C	1130mm	705mm	1040mm	210Kgs

iHHC - Hand Held Controller

The HAC range of load banks are controlled by the Hillstone iHHC intelligent hand held controller.

Features include:

- 1kW load selection
- On the 'fly' load impact adjustment
- Control up to 10 load banks to a maximum of 1000kW



POWERLOCK CONNECTORS

Industry standard compatible single pole power connectors are designed to provide safe, reliable and quick connections.

Panel sockets are mounted on the load bank

Cables are fitted with a mating plug, colour coded for AC voltage ratings

Matching twist lock cable connectors are provided for you to fit to your external cables



Available Optional Extras

DIGITAL POWER METER

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



Single Phase Operation

When the Single Phase Operation option is selected the load bank will be supplied with a 240V fan and fully rated neutral to maximise the available power with L1, L2, L3 connected in parallel

60Hz fans

HAC load banks rated 100kW & 200kW required to run at 60Hz require specific 60Hz fan types to be selected at time of ordering

Stainless Steel Case

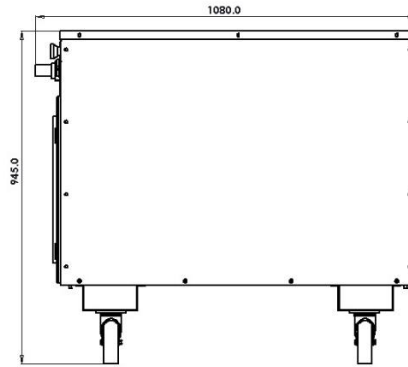
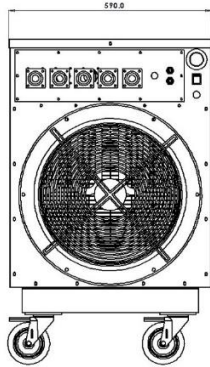
The option to upgrade the case to 316 grade stainless steel can be offered as an optional extra

Notes:

- Loadbanks are rated for continuous operation at stated voltages
- Where single phase testing option is supplied the fan operates on 240V 50Hz supply from L1 and neutral.
- Standard resistance element tolerance +/- 7.5%
- 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.
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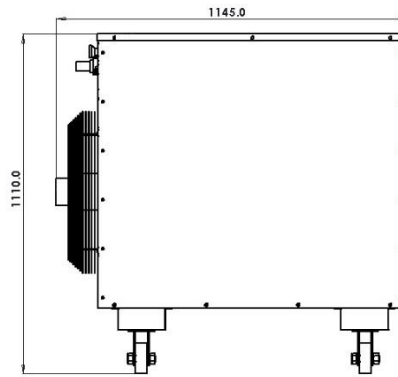
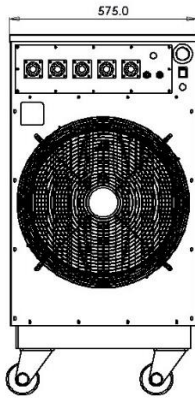
Case Size A 30-40kW ratings

1080mm x 590mm x 945mm high; from 50kgs



Case Size B 100kW rating

1145mm x 575mm x 1110mm high; 150kgs



Case Size C 200kW rating

1130mm x 705mm x 1040mm high; 210kgs

