

Doc ref	HAC415-series 5KW to 30KW
Issue	2
Date	Sept 2008
Page	1 of 2

TECHNICAL SUMMARY SHEET

HAC415 series – 5KW to 30KW

3 PHASE AC LOAD BANKS

Features

- SIMPLE OPERATION
- BS 4343 CABLE CONNECTORS
- SAFETY ISOLATION CIRCUIT BREAKER
- FAN FAIL PROTECTION
- LOW COST
- HIGH POWER
- CABLE SET INCLUDED
- NO AUX MAINS REQUIRED
- FUSE PROTECTION
- DIGITAL POWER METER OPTION



30 KW 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 resistor elements plus safety features including 3 metre cable sets with BS4343 connector, circuit breaker protection and fan failure shut down. Load banks can also be specified for both three phase and single phase testing, plus an optional digital power meter.

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	Case size	Approx weight
HAC415-5	415V	5KW	7A	4.6KW	6.7A	4.2KW	6.4A	1	20kgs
HAC415-10	415V	10KW	14A	9.2KW	13.3A	8.4KW	12.7A	1	25kgs
HAC415-15	415V	15KW	21A	13.8KW	20A	12.6KW	19A	2	30kgs
HAC415-20	415V	20KW	28A	18.4KW	27A	16.8KW	25.5A	2	35kgs
HAC415-25	415V	25KW	35A	23KW	33A	21KW	32A	3	40kgs
HAC415-30	415V	30KW	42A	27.6KW	40A	25KW	38A	3	45kgs

Specification

Max voltage	415 volts, three phase, 4 wire with neutral (for delta use see note 7)		
Frequency	50 hz / 60 hz		
Rating	see above table		
Adjustment	from 500W to max power, selected via panel mounted switches		
Controls	three phase isolator / circuit breaker		
Cable	3 metre cable set with matching BS 4343 industrial panel mounted plug (see notes 2 & 3)		
Cooling	3 phase, 50 Hz, horizontal force air cooling fan, powered from the test source (see note 5)		
Element type	high temperature ni-chrome tape wound mounted on mica composite card		
Environmental	Designed for indoor operation		
Construction	Light weight aluminium case, zintec steel grill		
Finish	Powered coated, textured finish RAL 7032		
Operating temperature	0-40 deg C		
Storage temperature	0-80 deg C		
Movement	Top handles and swivel castors		
Optional extras	Digital panel meter	Single phase testing operation	Extra cable length
	Delta connection option	480V / 277V designs available	Delta connection option
	Separate auxiliary control/fan supply	Transit / storage case	Matching BS cable connector

Doc ref	HAC415-series 5KW to 30KW
Issue	2
Date	Sept 2008
Page	2 of 2

HAC415 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.

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 ;

LOAD BANK type ref.	Max volts	Power at 240V	Amps at 240V	Power at 230V	Amps at 230V	Power at 220V	Amps at 220V
HAC415-5	240V	1.7KW	7A	1.5KW	6.7A	1.4KW	6.4.7A
HAC415-10	240V	3.3KW	14A	3.1KW	13.3A	2.8KW	12A
HAC415-15	240V	5KW	21A	4.6KW	20A	4.2KW	19A
HAC415-20	240V	6.7KW	28A	6.1KW	26.6A	5.6KW	25.5A
HAC415-25	240V	8.3KW	35A	7.7KW	33A	7KW	32A
HAC415-30	240V	10KW	42A	9.2KW	40A	8.4KW	38A

Notes :

- Units are rated for continuous operation at max volts
- Extra cable length available
- An additional single phase cable set with BS 4343 matching plug is available for optional single phase testing
- Where single phase testing option is supplied the fan operates on 240V 50Hz supply from L1 and neutral.
- Standard resistance element tolerance +/- 5%
- Contact our sales office for de-rating above 40 deg C ambient
- Where delta connection testing is required with no neutral a separate auxiliary supply is required.
- Changes to specification, components, dimensions or weights may vary without prior notice.
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