



SUMMARY PRODUCT TECHNICAL SPECIFICATION

The new **8RM** rack mounted server simulator from Hillstone Products has been designed to simulate the physical size, airflow and delta T performance expected in a IT rack.

Key features

- 2 model ratings available:
 - 9kW 30°C ΔT
 - 5kW 17°C ΔT
- 700mm rack depth to avoid overheating inside the rack
- Manual step load switch adjustment



The model shown is the 8RM module and with a reduced rating at 5kW 220V 60hZ each load section will be 1.7kW

The length of the server simulator is now to back of the cabinet so this will prevent the issue of heat to adjacent equipment.

User operation

The operator controls are located on the front of the server simulator giving illuminated fan control and switched load steps to allow manual adjustment of the load together.

The front panel also has an over temperature LED to signal a temperature fault condition

At the back of the server simulator 3 x C20 panel plugs provides power connection to the 3 independent single phase loads.



Rating table

Server Simulator	No of loads	Max load 230V	Max load 220V	Min Step 230V	Min Step 220V	Airflow	Full load Δ T*	Case Size
HAC230-5kW-8RM	3	5.5kW	5kW	0.8kW	833W	2100cm/h	17°C	2
HAC230-9kW-8RM	3	9.0kW	8.6kW	1.0kW	956W	2100cm/h	30°C	2

* Typical values obtained under controlled testing environment

Case Size

	No of fans	Depth	Width	Height	Approx. Weight
Case Size 2	3	706mm	482mm (19")	355mm (8U)	22kgs



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Rack Mounted server simulator		
User features & controls:-		
	Manual load steps	✓
	High powered DC fans using load supply	✓
Electrical Controls		
	16A MCB protection	✓
	Fan ON control	✓
Mechanical		
	Over temperature Alarm	✓

Specification

Cable Set (Optional)	3 x C19 - C20 cables for single phase testing 3 x C19 - 1 x three phase 16A plug	
Construction	Zintec case design finished with yellow powder coated front panel	
Cooling	Forced air cooling from horizontal fan power from load supply	
Environmental Protection Rating	IP21 for operating in a dry ventilated area	
Movement	Lifting handles	
Temperature	Operating: 0 – 50 °C	Storage: 0 – 80 °C

Standards and Quality Assurance:

The **HAC** range is manufactured in the UK to the following EU standards and ISO QA procedures:

- Low Voltage Directive 2006/95/EC
- EMC directive 2004/108/EC:
 - BSEN61000-6-3 2007 amendments for 2011
 - BSEN61000-6-1 2007
 - BSEN61000-6-4 2007 amendments for 2011
- Hillstone Products Quality Assurance procedures ISO9001:2015