



# HEATLOAD

## FLOOR STANDING SERVER EMULATOR

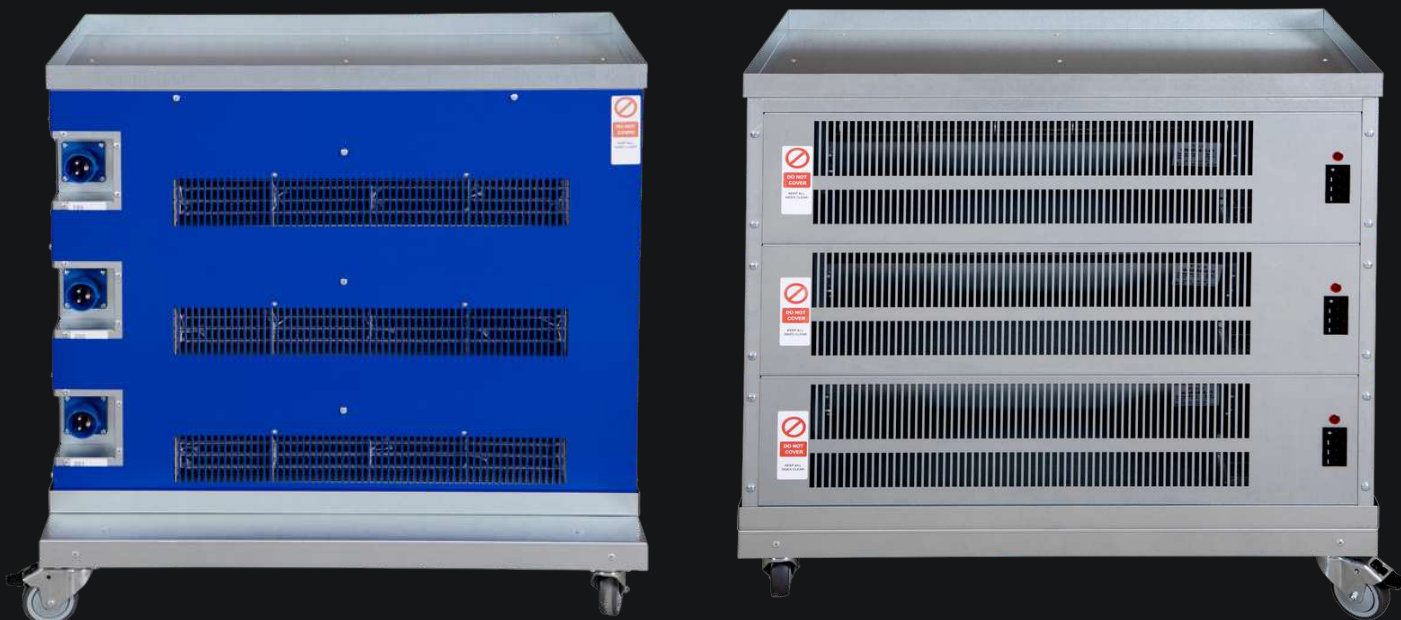
### STACKABLE 10KW SERVER EMULATORS

The most efficient way to commission large data centres before the customers racks are installed. Our low Delta-T 10KW Emulators can be stacked on top of one another (up to 3 units high) to emulate racks with a load capacity anywhere between 1KW - 30KW.

There are 3 sets of switches to control the load between; fan only, 50%, 75% and 100% (Operating the units at 50 or 60Hz makes no difference to their performance).

Each 10KW Emulator includes 3 x 16A Single Phase connections, but with our extensive catalogue of splitters and distribution boards, we can plug in to virtually any power connection.

The units are stacked on top of a chassis with castor wheels for easy installation.





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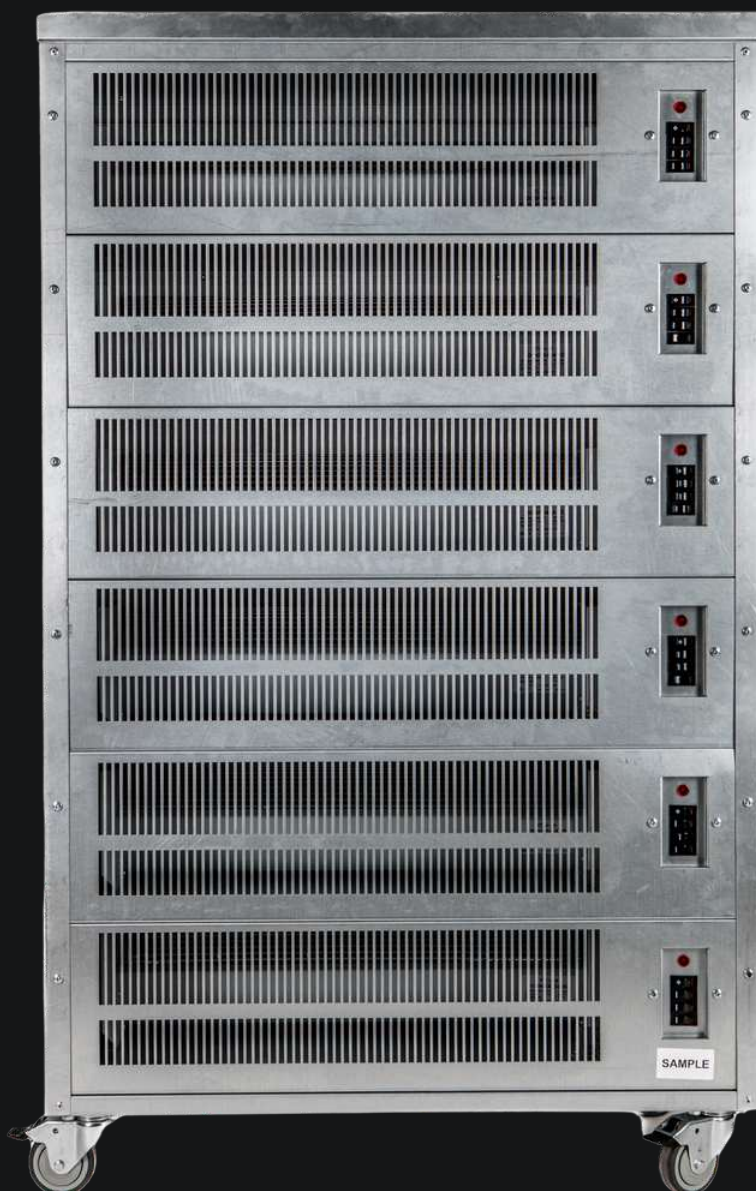
## 20KW TOWER SERVER EMULATOR

The 20kw Tower Emulator utilises the same fans and elements as the 10kw, so has the same characteristics but instead of 10kw in a chassis it is 20kw. Offering low Delta-T solutions for large Data Centres; each unit is capable of emulating racks with a load capacity anywhere between 1KW - 20KW.

The top of the chassis is compatible with the 10KW Emulator, meaning you can stack additional 10kw Emulator on the top; creating a 30kw unit.

There are 6 sets of switches to control the load between; fan only, 50%, 75% and 100% (Operating the units at 50 or 60Hz makes no difference to their performance).

Each 20KW Emulator includes 3 x 32A Single Phase connections, but with our extensive catalogue of splitters and distribution boards, we can plug in to virtually any power connection.





## FLOOR STANDING EMULATOR SPECIFICATIONS

Description				
Model	HO750LPS STACK UNIT 10KW		HO750LPS MKII/ 20kW	
Maximum Capacity - Packaged Load Bank	10000 w / 46.23 A		20000 W / 90A	
Voltage Ranges (Continuous Operation)	220-240 VAC		220-240 VAC	
Frequency	50Hz		50Hz	
Phases	X3 1PH / STACK UNIT		X3 1PH / STACK UNIT	
Wires	3 / 16A		3 / 32A Inlets	
Number of Steps / Load Step Resolution	3 Units, each with 3 / 1750(50%)-2625(75%)-3500(100%)		6 Units, each with 3 / 1750(50%)-2625(75%)-3500(100%)	
Voltage Tolerance (Short Term Operation)	Nominal + / -5%		Nominal + / -5%	
Load Element Tolerance	Nominal + / -10%		Nominal + / -10%	
Elements	Kanthal/ Resistive Wire		Kanthal/ Resistive Wire	
Insulation Grade	Conform to BS 6231 Type CK		Conform to BS 6231 Type CK	
Auxiliary Supply Type	Temporary / Test		Temporary / Test	
Auxiliary Supply Voltage Range	220-240V / 1ph/ 50Hz		220-240V / 1ph/ 50Hz	
Auxiliary Rating	X3 - 16A		X3 - 32A	
Auxiliary Connection Type	X3 - 16A Commando Type Connector		X3 - 32A Commando Type Connector	
Control				
Control	Rocker Switches (Fan Only, 50%, 75% & 100%) B25750 E26 D34Power Indicator Neon		Rocker Switches (Fan Only, 50%, 75% & 100%) B25750 E26 D34Power Indicator Neon	
Protection	Over temperature protection thermostat		Over temperature protection thermostat	
Misc.				
Load Connections	16A Commando Type Connector		32A Commando Type Connector	
Cooling Method	Tangential Fan - Forced Air Convection		Tangential Fan - Forced Air Convection	
Exhaust Air Temperature (Approx.)	Ambient + 6.5°C, 10°C & 16°C		Ambient + 6.5°C, 10°C & 16°C	
Air Flow (Approx.)	750L L/S		1500L L/S	
Emergency Thermal Cutout	82°C (No Reset)		82°C (No Reset)	
Load Switching Type	Resistive		Resistive	
Load Switching Contractor Type	N/A- Circuit Protection Remote		N/A- Circuit Protection Remote	
Rated Maximum Ambient Temperature Operat	Nominal 45°C		Nominal 45°C	
Rated Minimum Ambient Temperature Operat	Nominal -10°C		Nominal -10°C	
Rated Maximum Ambient Humidity	95% RH - Non Condensing		95% RH - Non Condensing	
Altitude Rating	< 2500 m Above Sea Level		< 2500 m Above Sea Level	
Enclosure	Zinc-Coated steel with powder coated exhaust RAL5002 Satin Ultramarine Blue		Zinc-Coated steel	
Minimum Inlet Clearance	300mm		300mm	
Minimum Outlet Clearance	300mm		300mm	
IP Rating	IP20		IP20	
Lifting & Movement	2 Person Lift / X2 Lifting Handles / Mountable to trolley		2 Person Lift	
Physical Dimensions				
	Value	Unit	Value	Unit
Depth	405	mm	405	mm
Width	804	mm	805	mm
Height	665	mm	1320	mm
Total Weight	41.5	KG	65	KG
Suitability	For environmental testing at rack level but the customer racks are not installed, where a delta-t close to that of the IT equipment is required.			