

750 kW Load Bank

Our LSKR750 model is developed to test and validate performance for an energy source of up to 750 kW

Operating principle

Our load banks apply an adjustable electrical power to the tested source using resistive elements with high thermal stability.

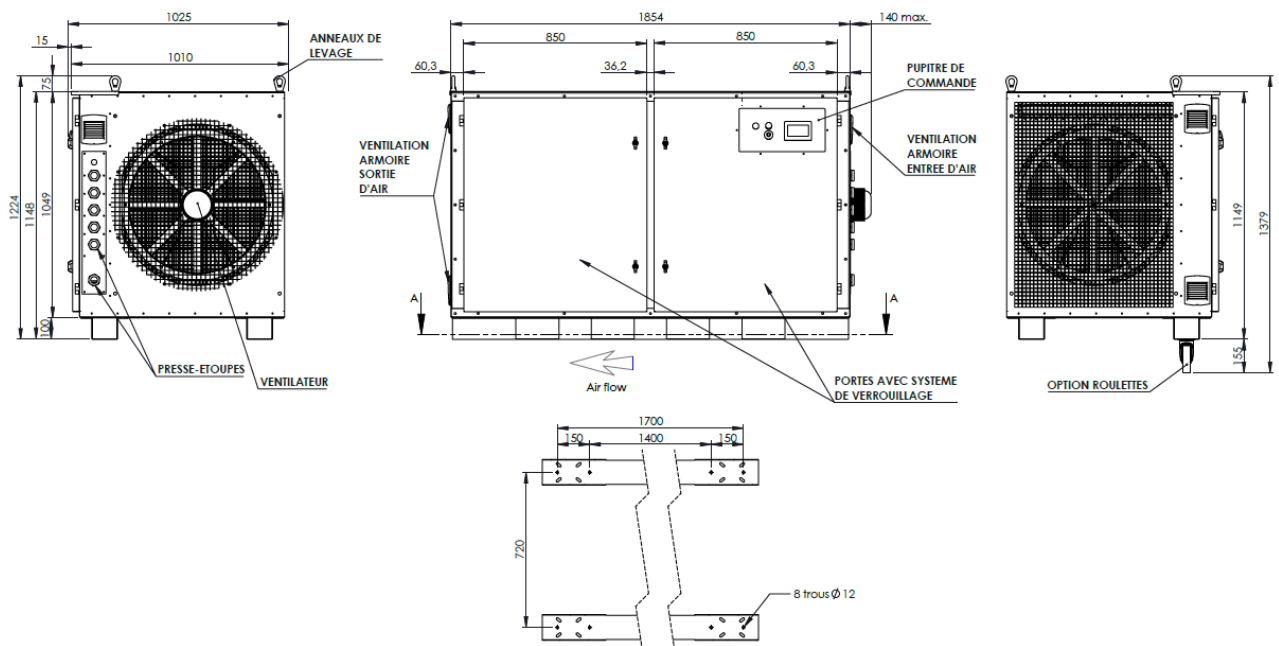


The absorbed power is dissipated as heat, removed by a forced-ventilation cooling system that maintains operating conditions and ensures test continuity.

The load levels are segmented into switchable steps, allowing precise adjustment of the applied power and the execution of test sequences.

Technical Specifications

Load Type	Resistive	Height	1150 mm
Rated Power	750 kW	Depth	1025 mm
Rated Voltage	400 Vac $\pm$ 3.75% 3-phase	Length	1994 mm
Power Factor	1	Mass ($\pm$5%)	550 kg
Frequency	50 Hz	Cooling	1 Fan
Resolution	1 kW		



Technical Architecture

The clean architecture of our load bank simplifies its installation and use.

Design	
Use	Indoor & Outdoor
Casing	Galvanized steel 80µm Colour: Grey RAL7035
Handling	Fork pockets Lifting eyes

Cooling system	
Air extraction	Horizontal
Rated Power	5.5 kW
Air flow	33,300 m ³ /h
Average air T rise (in K)	≈ 180
Sound level at 1 m	92 dBA +/- 3dBA ⁽¹⁾

Resistive elements	
Technology	Finned stainless steel tube
Resistive Alloy	Nickel-chromium resistance wire
Element tolerance	+/- 5%
Temperature drift	< 2%

Protections	
Resistive elements	Fuse or circuit-breaker protection
Fan motor	Circuit-breaker protection
Safety devices	Air-flow detector Emergency stop

Control system

A simple interface for ease of use.

Control system		
Power ramp-up	3-pole AC contactors	
Supervision	Echo-B (Basic)	Echo-A (Advanced)
HMI	4.3" touchscreen	7" touchscreen
Manual mode	☒	☒
Cycle mode	☐	☒
Measurements (U, I, P, F, pf)	☐	☒
Data logging	☐	☒
Ballast mode	N/A	Option
Communication ModBus	Option	Option
Remote control	Control cable 100 m max	

Environmental Characteristics

Capable of operating in all environments.

Operating T°C	-15°C to +50°C
Storage T°C	-20°C to +70°C
Ambient Humidity	95% relative ⁽²⁾
Operating altitude	800 m

IP electrical enclosure	IP 54
IP air duct	IP 23

⁽¹⁾ Measured at 1 m from the bank, ½-spherical propagation of the equipment (Q=2)

⁽²⁾ Relative humidity, non-condensing

