



Load Banks – robust resistors

HEINE Resistor worlds

Our load banks are used:

- for technical acceptance test
- for regular checks of motors, generators, gas turbines and diesel engines (continuous operation/ stepwise loading and disconnection)
- to protect equipment against damage
- to discharge large battery systems

Characteristics

- approved and trusted HEINE resistor technology
- Robust construction, high operator safety
- high quality resistor enclosure materials (AISI 304, 316 ...)
- high quality material for resistor elements (NiCr alloy)
- Designed for a wide range of application, we differentiate into three classes of power (higher power range possible):
 - 0- 100 kW “moveable”
 - 100- 1000 kW “moveable and stationary”
 - 1000-3000 kW “high performance load container”
- variable load steps for nominal voltage up to 690 V
- high voltage application possible
- manual operation or automatically (PLC controlled)
- Protection class up to IP2X (fan and resistor) and IP54 (control cabinet)
- high quality switchgear in accordance to DIN EN 61439-1
- cooling fans according to ErP 2015 and enable low noise
- trailer mounting possible

References



High performance load container



Moveable and stationary



Moveable

Technical data and features

power range	0–100 kW	100–1000 kW	1000–3000 kW
operation voltage	Up to 3x 400 VAC	Up to 3x 400 VAC	Up to 3x 690 VAC / 12 kV
load steps	1 / 2 / 5 / 10 / 20 / 50 / 100 / 200 kW		
operation	Continuous operation / (programmable) load cycle		
protection class (resistor)	IP2X		
protection class (control cabinet)	IP54		
enclosure material	Galvanized / Stainless steel	10 / 20 ft. Container	
cooling	Natural	Forced by fan	
ambient temperature	-25°C ... +40°C		

Market

Energy provider, manufacturer of motors and generators, renewable energy, Oil & Gas, laboratories, ship building, USV testing



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