

# Resistive Load Bank



## LBAC series

Load banks in the LBAC series :

- have **manual or remote load step selection**
- can dissipate from **100kW up to 1000kW**
- have resistors with **low TCR**
- are designed for **generator sets**

### » General features :

- Resistive load bank
- Indicatives overall dimensions for the models 100kW to 400kW : 1600x1150xH900mm
- Indicatives overall dimensions for the models 500kW to 1000kW : 2000x1350xH1100mm
- Frame: galvanised steel (optionally stainless steel)
- 4 feet
- Designed for **indoor and/or outdoor use** (IP54).
- **Horizontal forced air cooled**
- CE marked to confirm compliance with both the EMC and Low Voltage Directives.
- Temperature range : -20°C to +50°C (0°C to +45°C with options P, M, C or U)

### » Human-machine interface :

- Start push button / Stop push button / Emergency stop
- Auxiliary voltage presence on a light indicator
- Fan failure indicator
- Labelling : french and english

### » Power electrical features :

- Voltage : 230-400Vac three phases 50Hz
- Accept short time overload
- Maximum power : from **100kW to 1000kW** (depending on the model)
- Star-coupled without neutral output
- Load step selection by rotary switches
- Tolerance on ohmic value :  $\pm 5\%$
- Power connections through cable gland
- Tubular heating elements in Nickel Chrome 80/20 with a **low temperature coefficient of resistance** (TCR)
- The fan and control circuit is powerable from the power source : 3kW for the models 100kW to 400kW and 5kW for the models 500kW à 1000kW



For illustration only

### » Safety Features :

- The **load contactors are interlocked** with the fan control to ensure load can only be applied when the fan is running
- Stop/start buttons ensure the load bank will **not automatically restart**
- The fan motor is fully protected by a motor circuit breaker

### » Specific features by model :

- **LBAC-100** : 1x10kW-2x20kW-1x50kW
- **LBAC-200** : 1x10kW-2x20kW-1x50kW-1x100kW
- **LBAC-300** : 1x10kW-2x20kW-1x50kW-2x100kW
- **LBAC-400** : 1x10kW-2x20kW-1x50kW-1x100kW-1x200kW
- **LBAC-500** : 2x50kW-2x100kW-1x200kW
- **LBAC-600** : 2x50kW-1x100kW-2x200kW
- **LBAC-700** : 2x50kW-2x100kW-2x200kW
- **LBAC-800** : 2x50kW-1x100kW-3x200kW
- **LBAC-900** : 2x50kW-2x100kW-3x200kW
- **LBAC-1000** : 2x50kW-1x100kW-4x200kW

### » Standard options :

- « S » : Stainless steel frame
- « P » : Steps of load are driven by a touch screen color 3,5"
- « M » : Display : U / I / P / f, data available on MODBUS RTU
- « C » : Modbus TCP remote control\*
- « U » : Modbus RTU remote control\*
- « B » : PVC protective cover
- « R » : Road trailer
- « T » : Manual remote control with 10m cable

\* Options C and U require option P