

Part Number: MITSB_LB_CAP_40-kVAR

Loading Unit Capacitive 40 kVAR

The Capacitive load bank is designed to provide a temporary load for field servicing and testing of 415VAC three-phase Generator, UPS, Inverter or PDU.

It may also be used to test 240VAC single phase application. The unit is fan-cooled and requires 240VAC single phase or 415VAC 3-phase line cord for fan power and control system. Our load bank can be sized up to customer requirements and is equipped with safety features such as current overload and thermal protection. The load bank unit is portable, with easy operation and maintenance.

Technical Specifications

Wattage capacity	: Up to 1200kW in 25kW, 30kW or 50kW steps
Current range	: Up to 1600A
Power Supply Voltage	: 3ph 3 wires plus earth/ground 200-440VAC, 50/60hz
Control Voltage	: 100-240VAC, 50/60Hz
Resistor elements	: Stainless steel fin sheathed wire elements with stainless steel tube and ceramic insulator
Display & Control	: Ammeter and Voltmeter with selector switches Step load on-off switches MCCBs Indication & warning lights Emergency stop button Fan control switch Temperature indicator & controller
Cooling	: Fan cooled, up to 6 HP, vertical air discharge through mesh screens
Enclosure	: Mild steel frame and outer panel cover. Stainless steel mesh screens and inner panels.
Options	: Digital Power Meter Magnetic contactor Touch screen control & display Remote operator controls Monitoring device



System is rated for 40kVAR, 3P, 415VAC, 50Hz and consist of the followings:

- a. Main Supply and Control Panel
 - a. 1 x MCCB 100A, TO&N 50Hz, 50kA c/w Shunt Trip and ELR
 - b. 1 x Ammeter 0~100A c/w selector switch
 - c. 1 x Voltmeter 0~500C c/w selector switch
 - d. 3 x Phase Indicating Lights (R,Y,B)
 - e. 1 x Set of Control MCB
 - f. 1 x Set of Current Transformer for measuring meter
 - g. 1 x Set of 100A Bus Bar
 - h. 1 x Sheetmetal console
 - i. 6 x Push Buttons (green)
 - j. 6 x Push Buttons (red)
 - k. 6 x indicating lights.
- b. Load Bank console:
 - a. 6 unit x Capacitive load banks of combination of 1 kVAR, 2 x 2kVAR, 5kVAR, 10kVAR and 20kVAR
 - b. 6 unit x MCB TP, 10kA assorted amp rating according to the capacitive load bank
 - c. 6 unit x Contactor
 - d. 1 unit x Cooling Fan c/w thermostat & MCB SP
 - e. 1 x Sheetmetal console
- c. Overall Dimensions:
 - a. Approximate 850W x 750D x 1850H (mm)

Application

Temporary electrical load for field servicing and testing