



- Operate in both three-phase and single-phase networks
- Operates in both manual and automatic modes
- Suitable dimensions with easy mobility
- Capability to operate in DC voltage
- Capability to connect in parallel to increase capacity
- Use helically wound chromium alloy Helidyne elements.
- Major fault protection is provided by branch circuit fuse protection.
- The 3PH-500KW is self-contained portable load bank designed for operation and storage indoors.

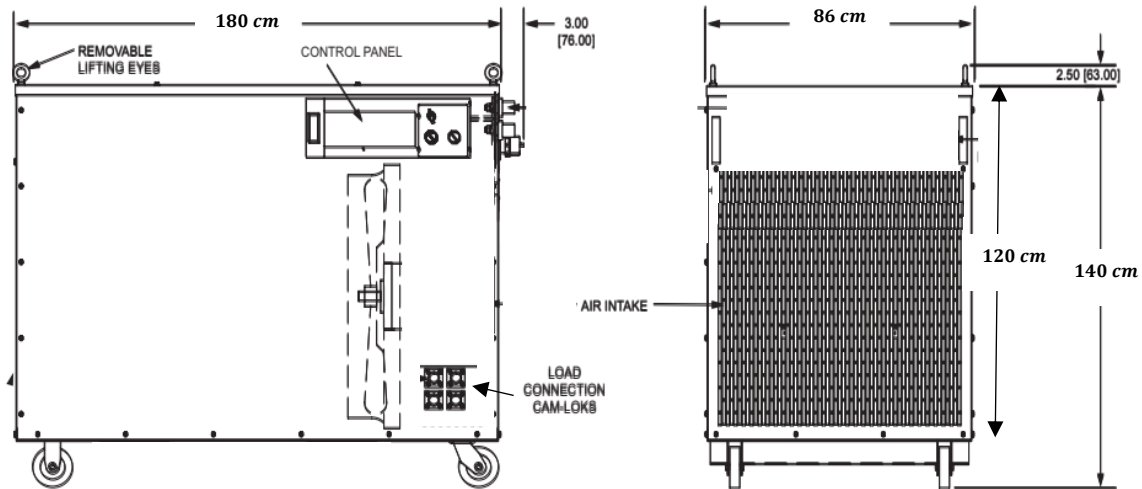
Summery:

Description

- The artificial load of this model is highly suitable for testing high-power generators and UPS systems. This system features a 500KW resistive load mechanism with the ability to connect to both three-phase and single-phase networks.
- Its suitable dimensions and low weight make this system easy to move. The system operates both manually and automatically with connection to the CSU (Central Control), allowing power regulation to maintain the desired power despite input voltage variations.
- Additionally, up to 3 devices can be connected to the CSU simultaneously and controlled in parallel with a single load.
- A differential pressure switch is provided to detect air loss. The switch is interlocked with the load application controls to prevent load from being supplied if cooling air is not present
- The load contactors are interlocked with the fan controls to ensure load can be applied only when the fan is running.



The device is designed for continuous operation, with simplicity in function and assembly, making maintenance and handling of the device easy.



Technical specification

Voltage rating	240/400 VAC 3 phase 50HZ
Power rating	10 ~ 500 KW
Auxiliary Power Supply	220V 1 phase 50HZ
Cooling	Air Force Cooling

Load Steps :

Manual Control :

Voltage Rating	Load Step
240/400V 3Phase 50HZ	10, 10, 30, 50, 100, 100, 100, 100 KW
120/240V 1Phase 50HZ	5, 5, 15, 25, 50, 50, 50, 50 KW

Automatic Adjustable by time & desire power

Voltage Rating	Load Step
240/400V 3Phase 50HZ	<i>From 10 up to 500 KW With different time & power</i>
160/240V 1Phase 50HZ	

Safety and Protection :

- 1- Input main circuit breaker 1250 A – 3 Phase.
- 2- Fast fuse protection for each branch of Load.
- 3- Over heating by temperature sensor .
- 4- Fan fault protections by Air flow detector
in case of fan fault or over heating the load will switch off
- 5- Wrong voltage protection (adjustable)

Monitoring of

- 1- Voltage , Current , Frequency , Totall Power , Temperture
- 2- Phase detection monitoring

Mechanicals:

Dimensions (W*D*H) : (86 * 180 * 140) cm

Weight : approx. 300kg