

6250KVA RESISTIVE/ REACTIVE LOAD BANK:

- For testing with simulated “real world” loads, up to 5MW at 0.8pf (6.25MVA)
- 1kW/1kVAR resolution
- Sigma controls allow operation from touchscreen, handheld controller or laptop
- Trailer mounted
- Can be used with transformers to test at different voltages
- Designed for outdoor use



FEATURES

- Walk in control room with table top for operating laptops. 2x120V convenience outlets available
- Both blowers and control power can be provided by the source under test or from external sources
- Load bank includes handheld remote and communication cables of 10 meters & 100 meters for remote operation (if desired)
- Laptop with Sigma PC Basic or Sigma Network Pro software available upon request for increased functionality
- Ability to pre-program test scripts, both on handheld and on a laptop
- Motor driven louvers automatically open when load bank is started
- Redundant features for operation include: handheld, integrally mounted touch screen or a decade switch in the control room. All can be used for applying or removing load
- Vertical air discharge
- Mounted to 45ft step deck trailer (details below)

SAFETY FEATURES

An emergency stop/disconnect switch gives full isolation of the fan and control supply.

A 110 Volt AC control circuit transformer provides isolation and operator safety.

Stop/start buttons ensure the load bank will not automatically restart.

The fan motor is fully protected with fuses and a thermal overload. Load banks are also fitted with phase rotation detection to automatically ensure correct airflow direction. Single phasing protection is provided by the overload.

Thermal detectors are fitted to protect against overheating in the resistive ducts, inductors and switchgear compartments.

Over voltage protection for the control and load circuit is provided by SIGMA load control.

Each element group and its associated contactor are protected by an HRC fuse. This is very important when testing large capacity power supplies, due to the possible high fault currents.

The load contactors are interlocked with the fan controls to ensure load can be applied only when the fan is running.

Internal access is restricted by key operated door catches. Polycarbonate screens behind the doors prevent accidental contact with live parts.

THREE PHASE AUXILIARY SUPPLY

The fan and control circuit may be powered from an external auxiliary supply or from the supply on test, provided it is of the correct voltage and frequency. Lower voltages and other frequencies must be tested using the external supply.

Auxiliary 3 phase supply should be 100A at 480V.

SINGLE PHASE AUXILIARY SUPPLY

This provides power for the anti-condensation heaters, internal lighting and single phase convenience outlets. Again, this power may be provided by the supply being tested, but it may be desired to have these features when that supply is not available.

Auxiliary single phase supply should be 20A at 120V.

BLUEPRINT & DIMENSIONS

APPROXIMATE DIMENSIONS (LOAD BANK ONLY):

240.15" L x 96.06" W x 101.97" H
[6100 x 2440 x 2590 mm]

APPROXIMATE WEIGHT:
35,274 lbs [16,000 kg]

MANUFACTURER:
ASCO Power Technologies

TRAILER DIMENSIONS:

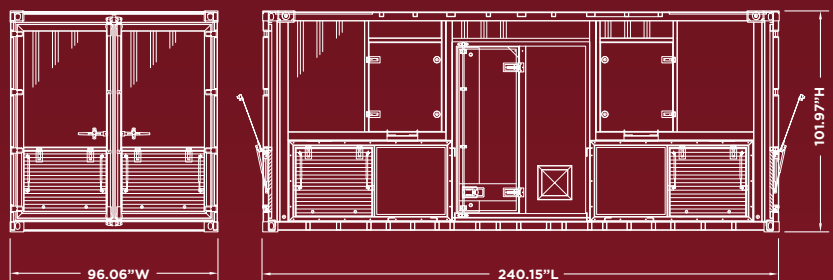
540" L x 102" W x 36" H
(lower deck) or 50" (upper deck)
[13,716 x 2591 x 914
(lower deck) or 1270 mm (upper deck)]

APPROXIMATE WEIGHT:
14,000 lbs [6,350 kg]

MANUFACTURER: Felling Trailers

**APPROXIMATE COMBINED WEIGHT
(LOAD BANK AND TRAILER ONLY):**
49,274 lbs [22,350 kg]

LOAD BANK



TRAILER

