



Loadbank Data Sheet

Model:- 3.3MVA @ 0.8pf (8 Fans)

Control:- Eclipse Resistive/Reactive

Standard configuration:-

3-phase, 3 or 4 wire Star Connected

Rated Output @ 0.80pf:-

Voltage	kW	kVA	Hz
380	1654	2068	50/60
400	1833	2292	50/60
415	1973	2467	50/60
440	2218	2773	50/60
480	2640	3300	60

Step Resolution:-

1.66kW / 1.96kVA @ 480V 60Hz

Dimensions (l x w x h)

2991 x 2438 x 2591mm

Weight:- 10,500kg

Auxiliary Power (Control)

Loadbank control and cooling system can be supplied by either the power source being tested (Internal) or from a separate auxiliary supply (External).

External Auxiliary Supply

380/440V, 50Hz, 3-Phase

440/480V, 60Hz, 3-Phase

Rating:- 80A

Connection:- Terminal Strip 6mm Studs

Noise Level:- Approx. 86 dba @ 1m

AirFlow:- 70,050 CFM

Minimum Inlet Clearance:- 1m (Side)

Minimum Outlet Clearance:- 3m (Top)

Exhaust Air Temperature:-

200°C (392°F) above ambient at the outlet grille

Construction

The unit comprises a heavy duty steel enclosure formed on hollow box section framework to form an ISO type container.

This houses all the necessary equipment and is designed for outdoor use, weather protected to IP55.

The load is provided by resistor stainless steel elements sheathed 80/20 nickel/chrome resistance wire and iron cored wire wound reactors.

The elements and reactors are mounted within the enclosure connected into groups of various values which are switched by integrally mounted contactors which are operated by the Crestchic micro control system.

The elements and reactors are force air-cooled by electrically driven axial and centrifugal fans.

Control

The loadbank is controlled via a small portable controller (HHT) or a laptop computer which allows any load to be applied within a resolution of 1.66kW (480V) at variable power factor.

Using the laptop computer allows pre-programming of load profiles, high speed data capture and analysis.

Remote control extension leads are available in 50m lengths.

Cable Connections

The cable termination chamber within the enclosure is fitted with bus-bars and M16 brass nuts and bolts for connection of cables.

