

Load resistor (Dummy load)

Type LVD2500-0400-AC



20 ft norm container

Electrical data:

Load:	2500 kVA 3/400/690 V AC Resistive and reactive load
Powerfactor:	adjustable from 0,35 – 1,0
Steps:	load step in 10 kVA
Auxiliary -Voltage:	3/400 V AC, 50 HZ or 3/440V , 60 Hz
Tolerance:	+/- 10 %.
Duty factor:	100 % ED
Ambient temperature:	55 °C

Protection class:

Controls:	IP 54
Resistor:	IP 21 during operation IP 44 during storage

1) Housing

Container 20 feet, divided in two rooms
Resistance/reactance room and switchgear/control room
Control room can be air-conditioned
Air intake and air outlet covered with wire mesh protection.
Optional: electrically operated louver
Built in switchgear with doors.

Dimension:

Length: approx. 6000 mm
With: approx. 2400 mm
High: approx. 2400 mm

Weight: approx. 12000 kg

Surface protection/Colour:

2K - PUR - La - primer 60 µm
2K - PUR finish RAL 7032 or other available RAL colour 60 µm



Electrical operated louver as option

2) Resistor/Reactor

GINO flat steel resistance elements made of Aluchrome steel 144 or CrAl X10
Temperature coefficient of 250 ppm, mounted on isolated steelrods with ceramic insulation.
Resistors are designed for 400 k temperature with forced air cooling.
Surface loading only 1,2 w/cm², and therefor long lifetime.

3 phase coils with iron core and air gap.
Complete vacuum pressure impregnation.
Isolation test - 3 kV for 1 min.
Extinguishing resistors for all coils to prevent early wear out of magn. Contactor



Steel grid resistor

3) Cooling

Forced air cooling with axial fans 3/400 V, 50 Hz.
Airflow horizontal
Average exhaust airtemperatur max. 110 K.
Thermo and Airflow switch for controls.



Cooling by fan

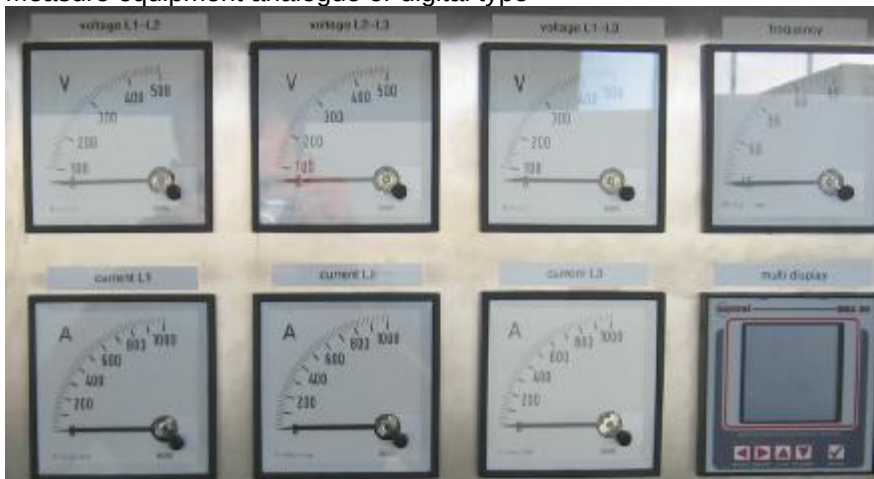
4) Controls

The controls include all necessary equipment to control the forced air cooling. Grounding relay with alarm monitoring any earthing fault. Phase indication, Fuse and magnetic contactors Lights to be provided in all Rooms.

5) Control panel

The control panel consist of :
Push-buttons for the following function:
On-Off
Emergency stop
Indication lights are installed for the following function:
On
load steps
Fault
Touch screen with surface for operation

Optional:
Measure equipment analogue or digital type



Measure equipment analogue

Interface for automation and/or remote control
PLC made by Siemens(S7) or Moeller (Easy)

7) Connection

Terminals are provided for auxiliary voltage/controls
For the main is provided busbare system 3 Phase 3600 A.

8) Design, Documentation

Documentation (4 -fold):
Operation, Service, Maintenance manual
Mechanical / Electrical drawings
Partlist