Your contact:
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REOLOAD 300

Water cooled load bank



Unique Selling Point

- Compact dimensions
- Water-cooling
- AC/DC loads freely configurable

Description

If a cooling cycle already exists, a water-cooled resistive load bank is the alternative to normal or forced air-cooled ones. The water-cooling of the resistor elements allows a quite compact construction while.

air-cooling needs sufficient space for air circulation (better space/performance relation).
The cooling circuit of the load bank can be connected to the existing cooling cycle via standard connections (3“ connections).

The AC/DC resistance groups are modular-type and separately connected to the cooling cycle. The single resistance stages can be mounted cascadably as needed. This enables the user to preset any arbitrary resistance or current value.
Each module can be separately controlled.

The modular construction of the load stages allows power combinations of 50 kVA to 1MVA with
three-phase operation and 160 kW to 480 kW in DC design.

An internal PLC logic with bus function can be ordered on request. This enables location independent installation of the load unit separate from the test field.

Technical Data

- Voltage : 3 x 230 V
- Current : 3 x 5 A
- Protection : IP 54

Options

- PLC control
- Bus operation possible
  (by MODBUS TCP/IP, Profi-Bus, etc.)
- LabVIEW operation possible

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ax. Load Voltage	3 x 230 V L / N exp. 3 x 460 AC L / L
frequency	50/60 Hz
Duty cycle	100 %
Resistor tolerance	+/- 5 %
Protection calss	IP 54
max. ambient temp.	40° C
Cooling	Water / Glykol (70 : 30) / 800 l/min

The resistance load bank can be freely configured.
Up to a power value of 260 kVA three-phase load and a power value of 50 kW DC load, the load resistors can be freely configured in resistor groups.

Example of a configuration	
Three-phase load bank 50 kVA	R = 3 x 8 – 53 Ohm; I = 15 – 5 A AC
Three-phase load bank 50 kVA	R = 3 x 8 – 53 Ohm; I = 15 – 5 A AC
Three-phase load bank 160 kVA	R = 3 x 4 – 25 Ohm; I = 25 – 5 A AC
DC- load bank 45 kW	R = 3 x 0,6 – 22 Ohm; I = 60 – 5 A DC

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