

# LOADBANK

JOVYLOAD MOVE

technical sheet



SOPHISTICATED  
DESIGN,  
MODULAR  
STRUCTURE

Test resistors of the type series PLM are applied for testing and maintenance of generators and other energy sources. They are designed for performance ranges of 100 kW up to 1000 kW. The load banks of these types can be set via a control panel integrated in the door of the control cabinet in a resolution of 1 kW. By the use of special stainless steel the load steps have a very low temperature coefficient. Thus the selected resistance value remains almost constant even during heating of the resistance element.

**SOPHISTICATED DESIGN, MODULAR STRUCTURE**

A special structure and arrangement of elements enables the very compact design of the JOVYLOAD MOVE series. The housing of the load bank can be delivered either for fixed position as well as movable on castors or mounted on a trailer (including road traffic admission). For extreme stability requirements (frequent crane handling, rough handling etc.) the JOVYLOAD MOVE load bank can be fitted with a solid tubular steel frame. The load banks of the JOVYLOAD MOVE series are of a modular design. The individual load steps are applied as individual slide-in load steps in the resistance tunnel. Due to the modular structure single load steps can be exchanged simply and easily.

**COMFORTABLE HANDLING**

Operating of the load resistors JOVYLOAD MOVE can take place either via standard switches or via touch

panel in connection with PLC. The setting of the required load values is done by directly entering the values (1kW accuracy). Alternatively the load steps can be selected by 100kW, 10kW and 1kW increments. The switching steps can be defined by customers' requirements, additionally it is possible to store own load profiles and to retrieve them on request. That way the execution of reproducible tests is facilitated without much effort. With the assistance of integrated dataloggers measurement data can be recorded and later be evaluated via PC. Measurement data like voltage, current, performance etc. are indicated via display as well as potentially occurring failures. Load banks with integrated PLC can be executed as master/slave devices, thus multiple load banks can be controlled with one remote control or are expandable at a later stage.

**STANDARD OR SPECIAL VERSIONS**

In addition to our standard versions we also address special clients' requirements with customised versions.



**TYPES  
JOVYLOAD MOVE**

|                    | Number of load steps |     |     |      |      |      |       |       | Dimensions         | Weight |
|--------------------|----------------------|-----|-----|------|------|------|-------|-------|--------------------|--------|
|                    | 1kW                  | 2kW | 5kW | 10kW | 20kW | 50kW | 100kW | 200kW | W x H x D [mm]     |        |
| JOVYLOAD MOVE 100  | 1                    | 2   | 1   | 2    | 1    | 1    | -     | -     | 1750 x 1200 x 1200 | 450    |
| JOVYLOAD MOVE 200  | 1                    | 2   | 1   | 2    | 1    | 1    | 1     | -     | 1750 x 1200 x 1200 | 525    |
| JOVYLOAD MOVE 300  | 1                    | 2   | 1   | 2    | 1    | 1    | 2     | -     | 1750 x 1200 x 1200 | 600    |
| JOVYLOAD MOVE 400  | 1                    | 2   | 1   | 2    | 1    | 1    | 1     | 1     | 1750 x 1200 x 1200 | 625    |
| JOVYLOAD MOVE 500  | 1                    | 2   | 1   | 2    | 1    | 1    | 2     | 1     | 1950 x 1200 x 1200 | 700    |
| JOVYLOAD MOVE 600  | 1                    | 2   | 1   | 2    | 1    | 1    | 1     | 2     | 1950 x 1200 x 1200 | 750    |
| JOVYLOAD MOVE 800  | 1                    | 2   | 1   | 2    | 1    | 1    | 1     | 3     | 2300 x 1200 x 1200 | 825    |
| JOVYLOAD MOVE 1000 | 1                    | 2   | 1   | 2    | 1    | 1    | 1     | 4     | 2300 x 1200 x 1200 | 900    |

## TECHNICAL DATA

|                           |  |
|---------------------------|--|
| <b>Total power</b>        | 100 up to 1000 kW                              |
| <b>Connection voltage</b> | 3 x 400 V, 50 Hz (further voltages on request) |
| <b>Auxiliary voltage</b>  | 3 x 400 V, 50 Hz                               |
| <b>Cooling</b>            | forced   |
| <b>Fan control</b>        | vane   |
| <b>Mode of operation</b>  | permanent operation                            |
| <b>Protection degree</b>  | resistor element: IP21 / cabinet IP54          |

## OPTIONS

SPS control  
3 x ampere meter  
3 x volt meter  
mobile version  
Remote control for SPS control (100 meters)  
Forklift insertion slots  
Stainless steel cabinet without varnishing  
Power meter  
Protection class IP 23 for the resistor element  
SPS control for Master - Slave operation  
Keypad remote control (100 Meter)  
Doors for the resistor part  
Switch-over for internal auxiliary voltage feeding (only for 50 Hz feeding)



**LOAD RESISTOR  
IN MODULAR DESIGN**



**VERY LOW  
TEMPERATURE  
COEFFICIENT**  
guarantees high  
accuracy of  
resistance value



**COMPACT DESIGN**



**SECURED LOAD STEPS**



**CUSTOMISED DESIGNS**  
special colours etc.



**REMOTE  
CONTROLLABLE**



Load banks of the type JOVYLOAD MOVE are particularly suitable for setting up measuring stands for generators. Due to possible modular extensions at any time the test field can grow according to the requirements needed. Thus multiple load banks can be used independently from each other and therefore multiple test units can be tested. Alternatively, or in order to test a very powerful test unit individual load banks can be connected to master/slave units.