Type series BWMV37..

load resistors in light weight construction up to 100 kW, for DC-, AC- or three phase voltages (230/400V)

IP 20

BWMVD3710405

Easily transportable load resistors, with steel-grid elements in protection degree IP 20, housing made of aluminium, with temperature monitoring and forced ventilation by a built-in fan.

Technologies

- compact and very light design for higher continuous dissipation
- continuous dissipation switchable in steps
- forced ventilation by built-in fan 230 V; 50 Hz., with IEC power plug
- for easy mobile use, also transportable in a car

The complete power is divided in 2 up to 8 different steps, which are switched in parallel by electric contactors. The resistance value increases approx. +15% between cold and operating temperature. The given power values will be achieved at operating temperature. The load resistor has for safety a temperature switch and an additional follow-up control of the fan. The bolt- or flat-type terminals are mounted submerged (safe for transportation).
Additionally, the load resistor has acid-proof rolls, gliding rails, and a trolley handle for better transportation.
The combination types with 4 main terminals are usable for DC- and AC-rated voltage. The three phase version fits for a rated voltage of 3x230/400 VAC, which is switched in star. The star point is in the resistor. Optionally also possible with 6 terminals or star point wired on terminal.

Application

- as load resistor for batteries in automotive- or telecommunication use
- as load resistor for one- and three phase power supply for e.g. emergency standby systems, uninterruptible power supplies
- use in laboratory or test area

Special design

- different power and rated voltage values on request
- special voltage for fan and electric contactors is possible
- degree of protection IP 23 possible

Electrical and mechanical data

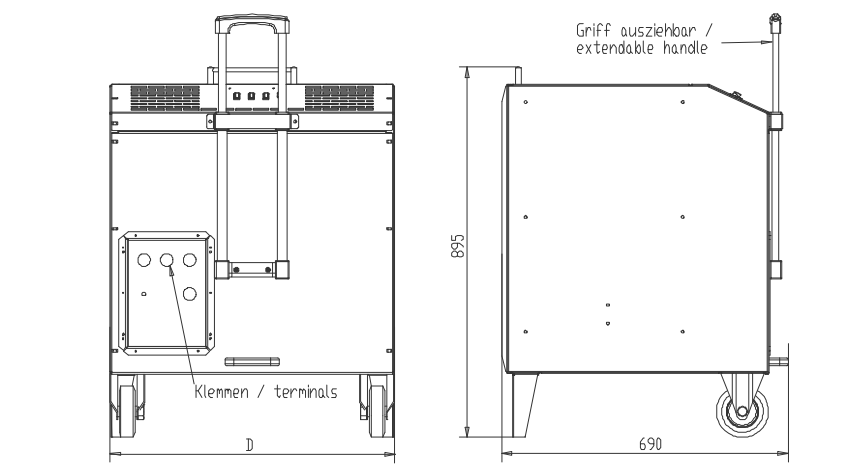
Load resistor types for three-phase voltage 3 x 400V

Type	max. cont. dissip. in kW	max. steps	max. current	number of built-in load steps in kW			dim. D in mm	weight in kg
				12,5	25	50		
BWMVD3700205	25	2	3x36	2	0	0	400	38
BWMVD3710305	50	4	3x72	2	1	0	400	45
BWMVD3720405	75	6	3x108	2	2	0	700	55
BWMVD3730405	100	8	3x144	2	1	1	700	62

Combinated load resistor devices, through setting a bridge they are suitable for AC- 230 (2x115)V and DC voltages 220 (2x110)V

Type	max. cont. dissip. in kW	max. steps	number of built-in load steps in kW				dim. D in mm	weight in kg
			230V AC 220V DC 2x110V DC	5 4,7 2x2,34	12,5 11,7 2x5,85	25 23,4 2x11,7		
BWMVC3700206	25	2		0	2	0	400	38
BWMVC3710306	50	4		0	2	1	400	45
BWMVC3720406	75	6		0	2	2	700	55
BWMVC3730606	100	8		0	4	2	700	62

The chart shows a choice of combinations for each dimension.



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Example of dimensioning:

Please contact us, we would like to give you a detailed offer!