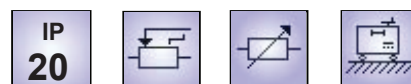




Type series BW 18 up to BWV 83

load resistor unit up to 50 kW, adjustable,
for AC- or three-phase voltage (230/400V)

BW 81



Wirewound lamina type fixed resistor, degree of protection IP 20 in varnished steel sheet enclosure, in laboratory version with laboratory terminals, cam switch, fine adjustment device, mobile by 4 rollers (BW 80 up to BWV 83) for 230 V AC current as well as for 3 x 230/400 V three-phase current.

Technologies

- compact construction form
- continuous dissipation up to 50 kW
- BW 18 up to BW 20 for location on table with rubber feet
- BW 80 up to BWV 83 for location on floor with 4 rollers
- gapless adjustment range of current and dissipation
- BWV 83 with forced ventilation, 230 V; 50 Hz., with IEC power plug

The total power is divided into 6, 10 or 20 equal steps, which are connected in parallel by a cam switch.

The current may be adjusted gaplessly (but not steplessly) by a power potentiometer or a slide resistor as a fine adjustment device in step 1.

The monophase version with 2 terminals is standard for 230V AC current. The three-phase version for three-phase current is wired in star and has 3 terminals. The star point is in the resistor. As an option with 6 terminals (star point at terminals, please look at page T406E).

Application

- use in laboratory or experimental setup
- as load resistor for mono- or three-phase supply unit.
- for developing, testing or for continuous loading of power packs, uninterruptible power supply, alternators, generators and batteries.

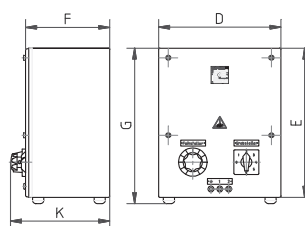
Special design

- other AC/DC voltages
- integrated amperemeter possible for BW 80 – 83
- micro fuse for protection

Electrical and mechanical data

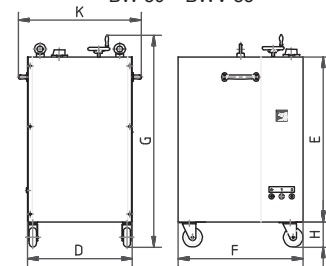
Type	typical power in kW at 40°C and 100% DCF	# of steps	adjustment range of current in ampere at voltage of		dimension in mm						weight in kg
			230V, 50 Hz.	3 x 230/400V; 50 Hz.	D	E	F	G	H	K	
BW 18	1,2	6	0,2 – 5,2	-	230	295	182	310	-	216	8
BW 19	2,0	6	0,2 – 8,7	-	290	410	200	440	-	234	14
BW 20	3,0	6	0,3 – 13	0,2 – 4,3	290	410	335	440	-	370	20
BW 80	3,0	6	0,3 – 13	0,2 – 4,3	430	500	450	700	101	430	32
BW 80	5,0	6	0,6 – 22	0,3 – 7,3	430	500	450	700	101	430	35
BW 81	7,5	6	0,7 – 33	0,4 – 11	430	600	600	800	101	524	52
BW 81	10	6	0,7 – 44	0,5 – 15	430	600	600	800	101	524	55
BW 82	15	10	-	0,5 – 22	505	800	600	1000	122	600	85
BW 82	20	10	-	0,6 – 29	505	800	600	1000	122	600	90
BW 83	25	10	-	0,7 – 36	685	940	680	1140	122	780	125
BW 83	30	10	-	0,9 – 43	685	940	680	1140	122	780	130
BWV83	50	20	-	0,6 – 72	685	940	680	1140	122	780	130

BW 18 - 20



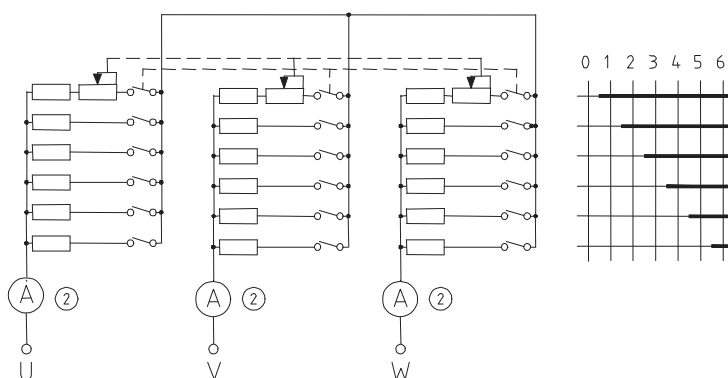
14 M 0257

BW 80 – BWV 83



beginning with type BW 82 with eyebolts for lifting 14 M 0250

Illustr: 3phase, 6-steps, 3 terminals



14 S 0136; B3-6-3

② amperemeter as option