



## Loadbanks

RARA manufactures load banks, ranging from small portable units for testing generators to multi-megawatt designs for larger applications. Regular load testing, along with correct battery maintenance, is the best way of ensuring the reliability of standby power systems. For many years it has been routine for all newly-installed generating sets to have a load test during the commissioning process in order to prove the performance of the set and all its ancillaries – cooling system, exhaust system, switchgear and protection schemes.

- custom designed for your particular system
- several stages of assembly depending on shipping needs

**MANY SIZES AND APPLICATIONS AVAILABLE**





**3 PHASE RESISTIVE LOAD BANK GENERAL SPECIFICATIONS**

MODEL	RATED CAPACITY	LOAD STEPS		DIMENSIONS WxDxH (mm)	WEIGHT APPROX.	COOLING FAN SOURCE
		MIN.	MAX.			
RLB-50V	50KW	1KW	20KW	600X800X1000	160	1 Phase 220V 60Hz  50Hz Optional
RLB-50H				1000X600X700		
RLB-100V	100KW	1KW	50KW	800X1050X1200	220	
RLB-100H				1200X1000X800		
RLB-200V	200KW	5KW	100KW	800X1050X1650	350	
RLB-200H				1600X1000X950		
RLB-300V	300KW	5KW	100KW	1000X1250X1800	480	
RLB-300H				1850X1200X1200		
RLB-400V	400KW	5KW	200KW	1000X1250X1800	530	
RLB-400H				1850X1200X1200		
RLB-500V	500KW	5KW	200KW	1650X1300X1800	750	
RLB-500H				1900X1300X1700		
RLB-600V	600KW	5KW	300KW	1650X1300X1800	960	
RLB-600H				1900X1300X1700		
RLB-800V	800KW	5KW	300KW	2200X1600X2000	1350	
RLB-800H				2000X1500X2000		
RLB-1000V	1000KW	5KW	500KW	2200X1600X2350	1740	
RLB-1000H				2600X1500X2150		
RLB-1500V	1500KW	5KW	500KW	2200X1600X2500	2320	
RLB-1500H				2800X1500X2150		
RLB-2000V	2000KW	5KW	1000KW	2200X2900X2350	2850	
RLB-2000H				3000X2200X2350		
RLB-2500V	2500KW	5KW	1000KW	20' CONTAINER	3580	
RLB-2500H						
RLB-3000V	3000KW	5KW	1000KW	20' CONTAINER	3970	
RLB-3000H						

**LOAD BANK DERATINGS**

480V	440V		380V		220V	
1100KW	924KW	1212A	689KW	1047A	231KW	606A
1000KW	840KW	1102A	627KW	953A	210KW	551A
800KW	672KW	882A	501KW	761A	168KW	441A
600KW	504KW	661A	376KW	571A	126KW	331A
500KW	420KW	551A	313KW	476A	105KW	276A
200KW	168KW	220A	125KW	190A	42KW	110A
100KW	84KW	110A	63KW	96A	21KW	55A
50KW	42KW	55A	31KW	47A	10.5KW	27.5A
30KW	25.2KW	33A	19KW	29A	6.3KW	16.5A
10KW	8.4KW	11A	6KW	9.1A	2.1KW	5.5A
5KW	4.2KW	5.5A	3KW	4.5A	1.05KW	2.75A
2KW	1.68KW	2.2A	1.25KW	1.9A	0.42KW	1.1A

**ADDITIONAL INFORMATION**

- The V type is an indoor model.
- The H type is both indoor and outdoor.
- Options: Main switch, Digital meter, Air circuit breaker, Connection cable.
- Applied voltage: 3 phase, 480V, 60Hz. (220V, 380V, 440V, 600V, 3.3kV, 6.6kV are also available.)
- Environmental Conditions: Ambient temperature lower than 40C; Altitude less than 1000m.
- Basic accessories are as follows:
  - Step load on-off switch
  - Magnetic contactor
  - Control MCCB(1 phase, 220V, 60Hz)
  - Alarm signal - pilot lamp
  - Emergency stop button
  - Reset button
  - Fan failure protection
  - Over temperature protection
  - Cooling fan