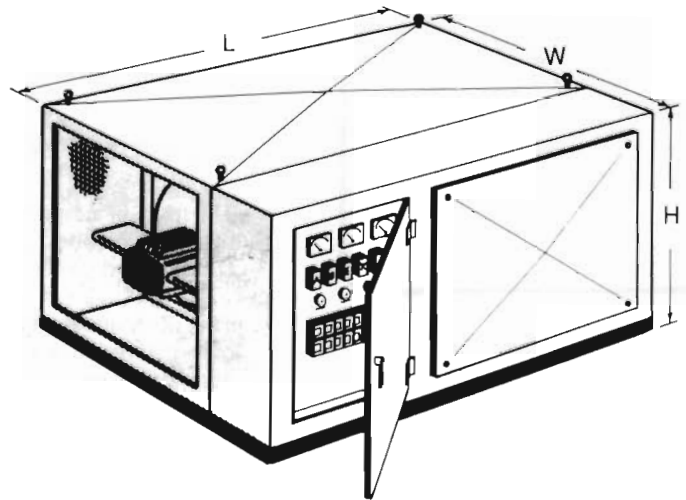


HELIOS RESISTIVE LOAD BANKS

RESISTIVE LOAD BANKS

Helios manufacture a wide range of standard and custom built load banks for the controlled discharge of battery banks and loading of diesel generators or alternator sets requiring single or multiple resistive loads at pre-determined ratings up to 600 KVA.



RESISTORS

Load resistors consists of a tubular sheath surrounding a helical coil of nickel-chrome resistance wire, centered and tightly compacted by an electrical insulator and heat transfer medium of magnesium oxide. Edge wound fins, furnace copper brazed to the sheath, assures maximum and rapid heat transfers from the resistor. Mounting of the resistor is by means of threaded glands and resistors finished with stud types terminals.

Resistors are designed to meet Commonwealth specifications VMES21 Aust. Stds 1668 Pt. 1 and AS3000.

COOLING

The resistors are generally forced air cooled by means of a propeller or centrifugal fan with type and rating selected to suit design criteria and general layout.

HOUSING

Resistors and fan are mounted into a folded construction mild steel unit. One side is removable for ease of resistor maintenance the other side is constructed to form a weatherproof terminal and/or control cubicle. These units at the design stage incorporate the capacity to include control gear, switching, mains termination etc. and may be either permanently sited or portable as required.

CONTROL AND PROTECTION

As these units are custom built, manual stage switching, indicating and control equipment, overload and over-temperature protection etc. to suit any given operative requirements can be supplied.

VARIATIONS

Resistors can be manufactured as stainless steel finned type or unfinned alloy sheath for use in adverse operating conditions or designed as natural convection where forced air cooling is impracticable.

HELIOS STANDARD LOAD BANKS:

RATING KW	STAGES	RATING PER STAGE KW	RESISTORS QUANTITY	DIMENSIONS		
				HEIGHT 'H'	LENGTH 'L'	WIDTH 'W'
10	2	5. 5.	6	700	1150	1000
20	3	10. 5. 5.	12	700	1150	1000
30	3	15. 10. 5.	18	700	1150	1000
40	4	20. 10. 5. 5.	24	700	1150	1000
50	4	25. 10. 10. 5.	30	700	1450	1000
60	4	30. 15. 10. 5.	36	700	1450	1000
80	5	40. 20. 10. 5. 5.	48	700	1450	1000
100	5	50. 25. 10. 10. 5.	30	1100	1750	1500
150	5	75. 40. 20. 10. 5.	48	1100	1750	1500
200	6	100. 50. 25. 10. 10. 5.	63	1100	1750	1500
250	6	100. 75. 40. 20. 10. 5.	78	1100	1750	1500
300	6	150. 75. 40. 20. 10. 5.	93	1100	1750	1500
400	7	200. 100. 50. 25. 10. 10. 5.	90	1550	1750	2000
500	7	250. 100. 75. 40. 20. 10. 5.	108	1550	1750	2000