

## Data Sheet - R500 Series

Load Bank	R500 Series, Self Contained, Stationary Load Bank
Load Bank Type	AC Resistive
Load Rating	500 KW at 480 VAC, 3 Phase, 60Hz 500 KW at 400VAC, 3 phase, 50 Hz -various configurations available -can work at other voltages with derating or w/options
Minimum Step	25 KW
Power Factor	1.0
Operator Controls	Digital Controls using In-Built PLC
	E-Stop Switch
	Power ON/OFF
	Load Dump Toggle Switch
	Data Monitoring and Data logging (Voltage, Current, KW, and Frequency)
	Multiple load banks can be daisy chained
Display	Color Touchscreen HMI (mounted on the LB) or Remotely hand held - 25ft cable provided
Metering Accuracy	+/-2% FS
Safeties / Protection	Over-voltage/under-voltage/voltage Imbalance protection
	3 Phase current imbalance protection
	Cooling-air loss protection
	Over-temperature protection
	Internal Fuses for Resistive load element groups
	Load Dump
	Self Operating Louvers for exhaust
Cooling System	Integrated Air Cooled
Number of Fans / Air Flow	1 High Efficiency Blower - 20,000 CFM unrestricted
Direction of Air Flow	Vertical
Fan Controls	Internal or External
Load Cable Connection	Direct connection to bus-bars
Interface	USB for Data Logging, Monitoring of Test Data
	Serial Ports for Program upload /download
Heater Element	High capacity NiCr " <i>HeliCon</i> " load elements fully supported with stainless steel rods insulated using high-temperature refractory ceramics
Duty Cycle	Continuous Industrial Duty
Enclosure	Heavy Gauge Steel
	Gravity type self opening /closing stainless steel louvers
Environmental Rating	Nema-3R
Dimensions	42 W x 62 D x 85 H (inches)
	107 W x 81 D x 216 H (cm)

Weight	1500 lbs / 680 Kgs
Surface Finish	Polyester Power Coat, Matt Finish
Color	RAL 7042
Transportation Provision	Fork Lift Slots, Lifting hooks
Install Type	Out Door use
Ambient Temperature Range	-4 <sup>0</sup> F to 120 <sup>0</sup> F (-20 <sup>0</sup> C to 50 <sup>0</sup> C)
Maximum Ambient Humidity	95%RH
Quality / Certification	UL certified (Canada & US)
	Built in ISO-9001:2015 certified facility
Addons / Options Available	Better Load resolution; such as 1KW, 5KW, 10 KW
	Better metering accuracy; such as +/-1% F.S
	Certified Drawings
	25ft or 50ft or longer Color Coded Load Cable sets
	Power Cable Reel, Motorized
	Longer Control Cable (Upto 100 ft)
	Caster Wheels (all swivel with brakes)
	Arctic Winterizing Kit
	Auto Load Level Modification
	External Power Switch; if control power external opted
	Explosion Proof
	Stainless Steel Fabrication
	Vinyl Dust Cover
Without HMI (No Display)	

Note: ULB reserves the right to make changes to the above specifications without notice. The specifications are for standard models built in production batches; as such these specifications are for typical general guidance. Dimensions and Weight is typical.