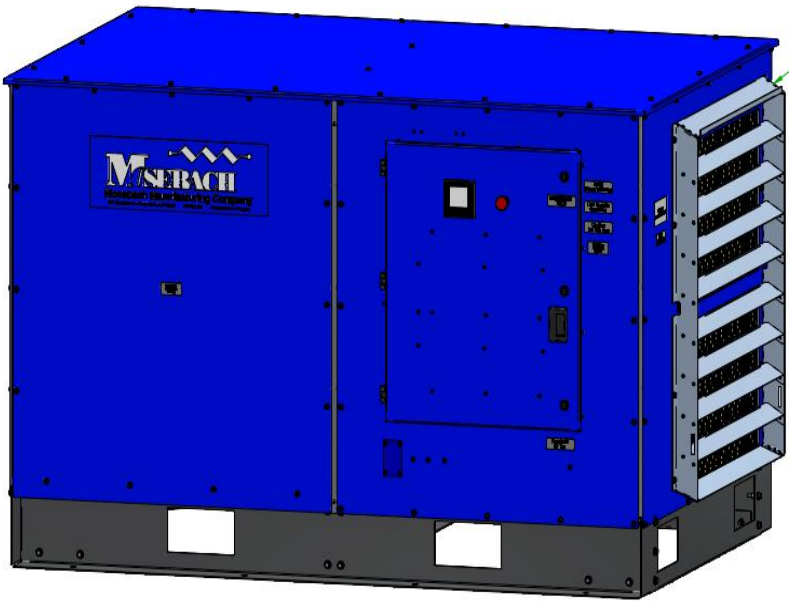
Mosebach Manufacturing Company

MADE IN USA

PAD MOUNTED LOAD BANK BROCHURE AND SPECIFICATION



X500P-480:

Voltage (line to line)	Total kW	Amps	Resolution	Est. Weight	Approx. Dimensions (L x W x H)
480V, 3Φ	500	601	5kW	800 Lbs.	62” x 42” x 52”

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OPTIONS AVALABLE:

- Horizontal Exhaust cooling (standard)
- Vertical Exhaust cooling - Optional
- GLS (Generator Auto Load Sensing) – Optional for auto load levelling of generator.
- Standard: 480VAC 3ph, with options for other voltages like 208VAC 3ph (most common).
- Resistive reactive options.

Specifications:

Line #	Description	Value
	Single Voltage Pad Mounted Load Banks	
	Voltage Rating:	See power table
	Power Factor:	1.0
	Duty Cycle:	Continuous
	Capacity:	See Power Table
	Resolution:	See Power Table
	Tolerance:	+/- 5%
	Load Power Connections:	Bus Bar Connection via access panel
	Blower Power:	Blowers can be powered internally from the bus voltage. The acceptable nominal voltage for powering the blower is 480VAC, 60Hz, 3-Phase.
	Control Power:	120VAC, 1-Phase, 60Hz derived from the blower power using a step-down transformer
	Load Bank Controls:	The control panel will be remote and include the following devices: - Digital Power Quality Meter - ON/OFF illuminated Main Power selector switch - ON/BYPASS Automatic Load Dump switch - ON/OFF illuminated Blower Power selector switch - ON/OFF illuminated Master Load selector switch - ON/OFF illuminated selector switch for each load step - Emergency Stop maintained push button - Over-temperature indicator lamp - System Ready indicator lamp
	Power Quality Metering:	The digital power quality meter features a bright LCD display that can measure a wide range of parameters such as voltage, current, power, energy, frequency, power factor, and more.
	Resistors:	Ni-Chrome wire wound resistors supported by Mica insulators maximize airflow around resistive elements while still supporting the element, enduring shock and vibration Multiple field removable assemblies
	Safety Features:	Over-current protection Over-temperature protection Over-voltage protection Locally mounted E-Stop button Automatic blower phase correction Automatic Load Dump Thermal overload motor protection

	Enclosure:	Heavy duty steel enclosure NEMA 3R Outdoor Rated Electro-statically applied, scratch resistant powder coating Forklift channels Downward angled exhaust louver
	Cooling:	Horizontal, forced air cooling Vertical, forced cooling (optional)
	Generator Load Sensing (GLS) (Optional)	The GLS feature is an automatic loading tool that can be used to maintain a minimum load level on a power source. During GLS operation, the load bank will monitor the "real" load output of the power source to which it is connected, and it will add and subtract load to the load bank in order to maintain an operator-controlled GLS load level (minimum power source load level). Mosebach's GLS needs a Windows based computer or tablet. The computer or tablet can be remote (away) from the load bank but needs connected via a CAT5 or CAT6 ethernet cable.