

K Series MagAmp Power Supplies

Standard Features

- **DC Voltage Range:** Continuous adjustment over the entire range by means of a single knob.
- **Series Operation:** Units may be operated in series.
- **Remote Sensing:** Provision for selecting “local” sensing at the power supply terminals, or “remote” sensing at the load terminals.
- **Regulation & Rectification:** All solid state design including magnetic amplifier and hermetically sealed silicon diodes. Peak voltages and currents during operation and switching held well within rated values.
- **Intermittent Ratings (% of current rating):** 125% for 5 minutes every 20 minutes; 250% for 5 seconds every 20 seconds; 350% for 1 second; 500% peak.
- **On-Off Controls:** By AC magnetic contactor; 3-wire start-stop push-button switch on front panel.
- **Circuit Isolation:** Output circuit is completely isolated from the input; either positive or negative DC bus can be grounded.
- **Protection:** Fan failure as well as thermal overload protection (automatic reset type) for sustained overloads.
- **Ambient Temperature:** Continuous operation from 0° to +55° C. Power supplies can be operated below 0° to -55°C with decreased performance. Storage temperature range is -62° to +70°C.
- **Remote Control:** Three terminals for remote on-off station and two terminals for remote voltage adjustment potentiometer (suffix “V”).
- **Cooling:** Fan cooling by means of induction motor with sealed ball bearings, silicone lubricated for low and high temperature.
- **Stability:** Negligible drift and temperature influence. Adjustable time constant.
- **Pilot Light:** Indicates when unit is energized.
- **Meters:** 3½” voltmeters and ammeters with 2% accuracy.
- **Multiple Input:** Can be set for various AC supply voltages by a simple re-connection.



- **Cabinet:** Inside is readily accessible for inspection and routine maintenance.

Optional Features

- **Parallel Operation:** Specify current limiting (Suffix “B”).
- **Militarizing:** to MIL-STD-810 for humidity, salt fog, sand, dust and fungus. Also vibration per Curve AB up to 33 Hz., Figure 514-6 of MIL-STD-810, only on MH stationary and 2-wheel styles. Radio interference limits per MIL-STD-461/462. Specify suffix “P”. (* limited availability.)
- **Alternate Cabinet Styles:** See table of dimensions. Specify final alternate suffix.
- **DC-Output Cables:** Standard lengths 12 ft. and 25 ft. Specify length.
- **AC-Input Cables:** Specify length.

Line	Model #	Nominal	DC Volts Output Continuous Range	DC Amps Continuous	DC Voltage Regulation			Voltage Ripple rms	Response Time (3) Millisec.	Input AC Volts 3-Phase	Input Freq.	Approx. Max. AC Amps Per Phase		Net Weight (lbs.) (Stationary)
					Static (1)	Half Load	Dynamic (2) Full Load					At 220V	At 440V	
1	MH32-100KV24S	28	22-32	100	0.25 %	4V	6V	1%	50	230/460	60 Hz	22	11	245
2	MH32-250KVZ234M	28	22-32	250	0.25 %	4V	6.5V	1%	50 (4)	230/380/460	50/60 Hz	46	23	370
3	MH32-300KV24S	28	22-32	300	0.25 %	4V	6.5V	1%	50 (4)	230/460	60 Hz	55	27.5	370
4	1C36-500KZ234S	28	26-36	500	0.25 %	5V	8V	1%	100	230/380/460	50/60 Hz	104	52	720
5	2C36-1000KP2S	28	26-36	1000	0.25 %	6V	9V	1%	100	220	60 Hz	200	--	1220
6	2C36-1200K4S	28	26-36	1200	0.25 %	7V	10V	1%	100	460	60 Hz	--	125	1235

NOTE: Output amps stated are continuous. All units have 500% intermittent peak output current. All values based on balanced supply line. Dynamic Regulation and Response Time based on nominal input and output. All dimensions given are in inches.

(1) Deviation of the DC voltage from its average value for any combination of rated load and line variations.

(2) Maximum over or undershoot for a step change from no load to full (half) load to no load.

(3) For 63% reduction of transient.

(4) 75 Milliseconds, full load to no load.

Cabinet Style	Std. or Suffix	Final Suffix	MH			IC			2C		
			W	D	H	W	D	H	W	D	H
STATIONARY	Std.	S	18 - 7/8	19 - 1/4	30 - 7/8	23 - 1/2	25	38 - 1/2	26 - 1/4	38	54 - 1/2 (2)
CASTER	Extra	C	18 - 7/8	19 - 1/4	35 - 3/8	23 - 1/2	25	43	26 - 1/4	38	60 - 1/2 (2)
2-WHEEL	Extra	M	22	20 - 1/4	31 - 1/2 (1)	--	--	--	--	--	--

NOTE: (1) Add 14" for handle.

(2) Add 2" for lifting eyes.