

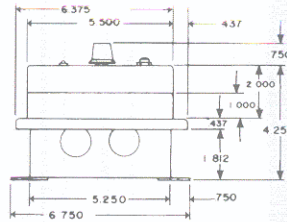
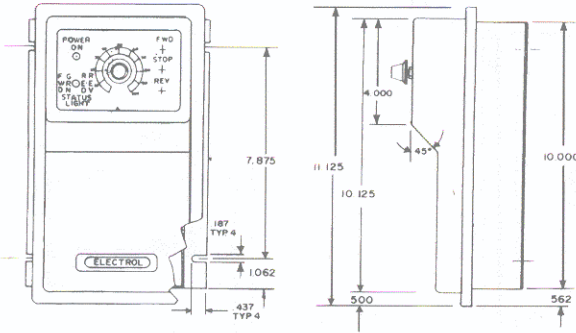
**STANDARD SPECIFICATIONS
REGEN SERIES 923A**



Regenerative
DC Motor Controller
1/8-2 HP

AVAILABILITY: STOCK TO 3 WEEKS

Performance matched with
ELECTROL PM Motors & Gearmotors



STANDARD FEATURES

- Multiple horsepower rating, dual voltage rating • 12 amperes (DC) continuous rating • 2% regulation of base speed • 60:1 speed range (constant torque) • Full wave regeneration (four quadrant SCR) • Test post for ease in trouble-shooting • Solid state reversing with electronic braking • Accurate operation at 90% of rated voltage • LED indication of status, rotation and power supplies • 5k ohm, .5 watt master speed potentiometer • NEMA 12 enclosure

STANDARD FEATURES

- Minimum speed • Maximum speed • Acceleration speed (.5-15 seconds) • Deceleration speed (.5-15 seconds) • IR compensation (no load to full load RPM) • Maximum torque (current)

For optional features, refer to pages C-9 through C-16
For renewal parts, refer to page C-17

TYPICAL APPLICATION DATA

COMPONENT RATINGS										
Rated Horsepower (HP)			1/8	1/4	1/3	1/2	3/4	1	1-1/2	2
Rated Kilowatts (KW)			0.124	0.187	0.249	0.373	0.560	0.746	1.129	1.492
1-PHASE AC INPUT (FULL-LOAD)	Line Amps	115V Unit	3.9	5.0	6.0	8.7	12.4	15.0	-	-
		230V Unit	1.9	2.5	3.1	4.2	5.9	8.8	12.6	15.8
	KVA		.48	.58	.71	1.0	1.4	2.0	3.0	4.0
DC OUTPUT (FULL-LOAD)	Motor Armature Amps	90V	2.0	2.8	3.5	5.4	8.1	10.5	-	-
		180V	1.0	1.4	1.8	2.6	3.8	5.5	8.2	11.6
	Motor Field Amps	50/100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-	-
		100/200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
FULL-LOAD TORQUE (lb-ft) with 1750 RPM Base Speed Motors			0.5	0.75	1.0	1.5	2.2	3.0	4.5	6.0

Part No.	Style	Multiple Horsepower	WEIGHT	
			Lbs.	Kg.
C-MH-W-923A-E	Enclosed 11-1/8" x 6-3/4" x 4-1/4"	1/8, 1/6, 1/4, 1/3, 1/2, 3/4, 1, 1-1/2, 2	5	2.27
C-MH-12-923A-CM	Chassis Mount 11-7/8" x 4-15/16"	1/8, 1/6, 1/4, 1/3, 1/2, 3/4, 1, 1-1/2, 2	4	1.81