

AVAILABILITY: FACTORY AND DISTRIBUTOR STOCKS

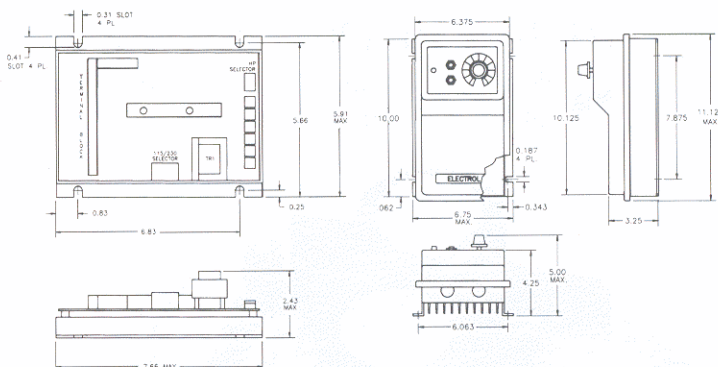
# Versatile Single Phase Adjustable Speed DC Motor Controller

1/8-2 HP



Designed for the accurate controlling of DC motors in Conveyors, General Industrial and Commercial Machinery, Measuring and Dispensing Pumps, Industrial Process Furnaces and Ovens, Packaging Machinery and Woodworking Equipment.

Performance matched with  
ELECTROL PM Motors & Gearmotors



### STANDARD FEATURES

Multiple horsepower, dual voltage rating • 15 amperes (DC) continuous rating • 2% regulation of base speed • 50:1 speed range (constant torque) - 25:1 if a 90 volt motor is operated from a 230 volt input • Transient and surge protection • Line voltage compensation • Fuse protection on line and motor circuits • "Start" and "Stop" pushbuttons "Power On" indicating light • 5k Ohm, .5 Watt master speed potentiometer • Restart protection - manual restart required after power loss

### STANDARD ADJUSTMENTS

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

For optional features, refer to pages C-9 through C-16

Part No.	Style	WEIGHT	
		Lbs.	Kg.
C-MH-W-754A-E	Enclosed 11-1/8" x 6-3/4" x 4-1/4"	5	2.27
C-MH-13-754A-CM	Chassis Mount 7-3/4" x 6"	3	1.36

### 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	3.3	4.5	6.0