



230 Series
VOLT AMPLIFIER

MPA-03, 06-SL
80-260 VAC
45-65Hz

Amplifier Current Sizes

Model	Continuous Output Current	Peak Output Current*	PWM Frequency	1 ϕ Line Current**	3 ϕ Line Current**	Weight
MPA-03	3 amps	6 amps	18KHz	5 amps	N/A	3.0 lbs.[1.4Kg]
MPA-06	6 amps	12 amps	18KHz	8 amps	N/A	3.0 lbs.[1.4Kg]

*Peak Current \geq 1 second.
**Continuous Maximum Current

Features

- Open frame amplifier
- Simple controller options
- MOV over voltage Bus surge protection
- Efficient Power Conversion
- High Frequency Switching
- Resolver Feedback
- Simulated Encoder Signals
- 12-24 Volt I/O for Reset, Velocity/Torque Mode
- Differential Analog Input Channel
- LED Diagnostic Indicators
- Motor and Amplifier Thermal Protection
- AC, I/O and Bridge Transient Suppression
- Totally Self-Contained Design
- Phoenix™ Terminal Interface
- AC In-Rush Protection
- Single Phase Operation
- Simple One-Turn Visual Adjustments
- No Isolation Transformer Required

Fault Protection

- Shorts
- Motor Temperature
- Continuous Current
- Resolver Feedback

Input/Output Interface Analog Signals:

- Velocity Command Input:
Differential Input 0 to ± 10 Vdc (15 Vdc Maximum)
- Current/Velocity Output:
Test points available

Input/Output Interface 24 Volt Logic:

Inputs

- RES (Reset/Enable)
- V/T (Velocity / Torque) Select
- START (For Option Card.)

Outputs

- Fault
- Ready

Jumper/Switch Configurations

- Pole Setting
- Tach Gradient
- Encoder Line Count

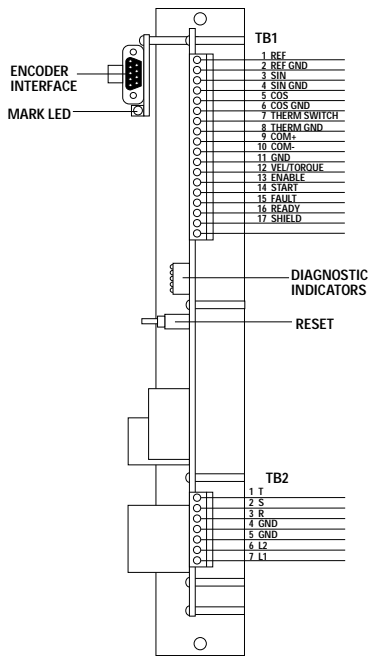
Adjustments

- BAL (Balance)
- CUR (0-Peak Current Limit)
- RESP (Response)
- SIG (Signal)

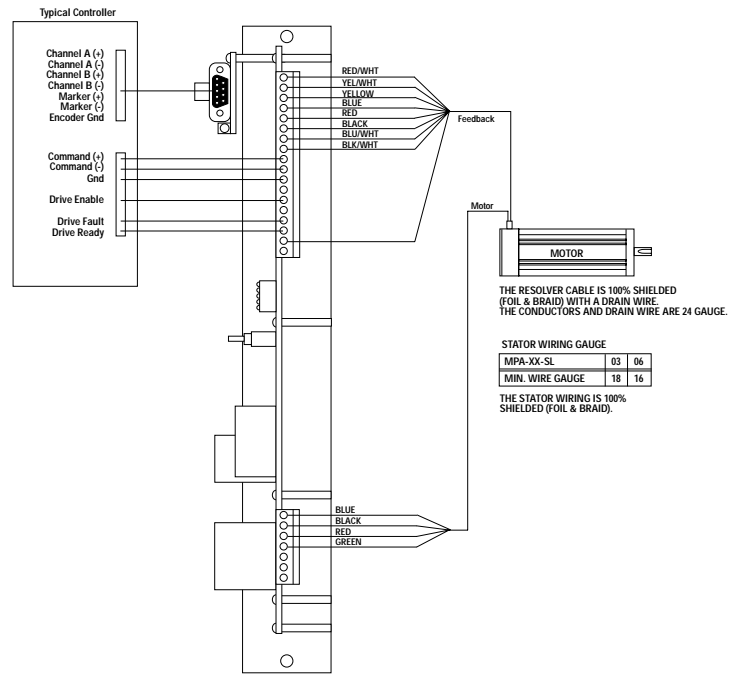
Controller Options

- Indexer
- Clamp
- Pulse and Direction

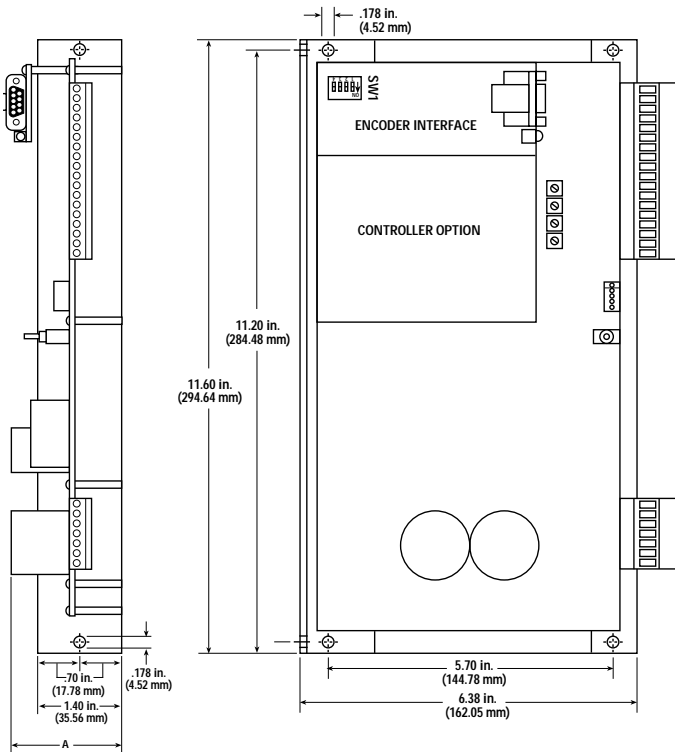
Wiring Diagram



Connection Diagram



Mechanical Footprints



Ordering Chart

Example MPA-06-SL-ENC

MaxPlus Amplifier	Continuous Output Current	Line Voltage	Slim Line	Controller Options
MPA	-03	-230	-SL	-ENC (Standard)
	-06			-Clamp
				-IND
				-P & D
				-Right Angle Connectors

*Consult Factory for Special Configuration.

MPA-03/06-SL Amplifier Dimensions

Model	A in.[mm]
MPA-03-SL	2.00[50.80]
MPA-06-SL	2.80[71.12]