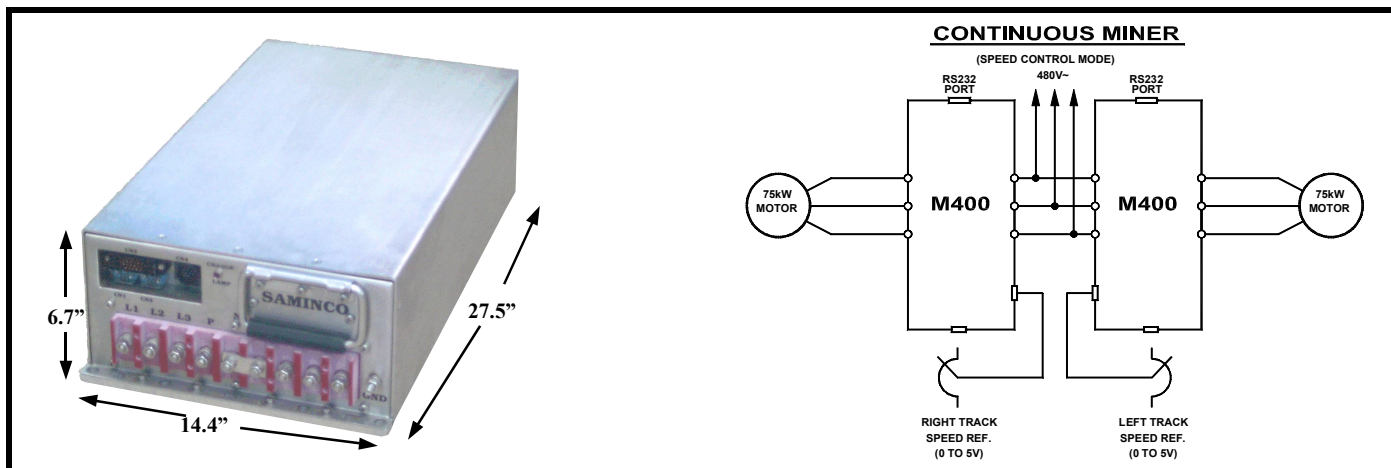


**M400 (M1-75)
AC Traction Drive
75kW 480VAC**

SAMINCO
ELECTRIC TRACTION DRIVES



- Compact, 75KW AC/AC or DC/AC traction drive for continuous miners, shuttle cars, shearers and locomotives
- Available for 480VAC or 620VDC operation
- PWM Flux Vector inverter using the latest NPT (non-punch through) IGBT technology
- Flux Vector torque control mode provides differential traction control for superb cornering for dual motor shuttle car controls
- Rugged, short circuit proof power circuit provides excellent long term reliability
- Controllable via standard analog foot switch, digital operator or serial port (mod-bus protocol)
- Configured for interfacing with Saminco computer controlled Drive Doctor™ diagnostic / control software

SAMINCO Part Number: A800633

Specifications:

Input Voltage:	480VAC, 3PH, 50/60Hz, 506VAC Max, 390VAC Min 620VDC, 700VDC Max, 520VDC Min
Input Current at Full Load:	150A (460V)
Rated Output Current:	135A continuous, 200A for 60 seconds
Nominal Motor Rating:	75kW continuous ; Base Speed – 1500RPM to 3000RPM for 4 pole motor
Output Frequency:	0.1 to 200Hz
Control Modes:	Open loop V/Hz, closed loop V/Hz, closed loop Flux Vector
Starting Torque:	150% of Motor nominal rating below 1Hz, (with encoder)
Input Control:	0 to 5V analog; Digital operator; RS232 or RS485 Serial Link (Modbus Protocol)
Diagnostics:	-Alpha-numeric readout of main functions, operating parameters, and faults in plain English, on hand-held operator
Options:	- Resistive Braking Module for 4 quadrant control - Input AC/DC rectifier for multiple drives - Remote Control via wireless link

Saminco North
4500 State Rt. 152 Lavalette, WV 25535
Phone: (304) 523-4700 Fax: (304) 523-4039

Saminco
10030 Amberwood Road Fort Myers, FL 33910
Phone: (239) 561-1561 Fax: (239) 561-1502