

SD500 SEVERE DUTY AC TRACTION DRIVE



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Magnetek's M-FORCE® SD500 Severe Duty AC Traction Drive is part of our proven line of state-of-the-art industrial controllers. The system can be connected to induction AC motors for high system efficiency at a wide range of motor speeds. The DC input, AC output drive can be used in a variety of applications including battery-operated mobile vehicles, conveyors, crushers, drills, and locomotives.

GREATER RELIABILITY

Controlled start-up torque decreases the wear and tear on the motor and connected load, which reduces mechanical breakdown to extend motor life.

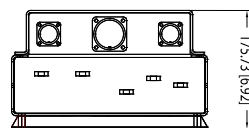
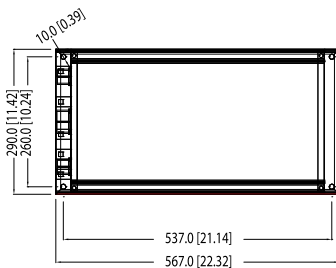
QUALITY BUILT

Magnetek Mining designs, builds and tests our products in our ISO 9001:2008 certified manufacturing facility.

Contact us today at 800.288.8178 or 262.783.3500 for a custom power solution to optimize your mining application.



Drive Dimensions



POWER SOURCE OPTIONS

- Fuel Cell
- Ultra Capacitor
- Battery
- Engine Generator
- Generator-Battery Hybrid System
- Generator-Capacitor Hybrid System

PERFORMANCE FEATURES

- Flux Vector Control
- 96% - 98% efficiency
- Full regenerative capabilities
- Wide battery voltage range: 150 to 400 VDC input for 230 VAC motor
- Smooth torque from stall to 400 Hz
- 30-135 kW peak
- 10° to 55° C ambient temperature
- Isolated Gate BiPolar Transistors (IGBT)
- Air and liquid cooled
- Single- or two-pedal control
- Reduced EMI emissions
- RFI shielding
- Adjustable over- and under-voltage suppression algorithm
- Automatic tuning function for use with custom motors
- Communication options available
- 24 VDC supply start and run signals



MAGNETEK
M I N I N G

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ISO 9001:2008 Certified

