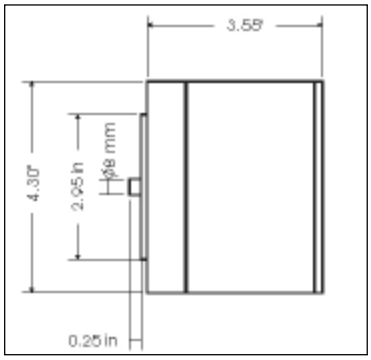
ECTI

CUBE MOTOR AND CONTROLLER SYSTEM
FEATURES AND SPECIFICATIONS

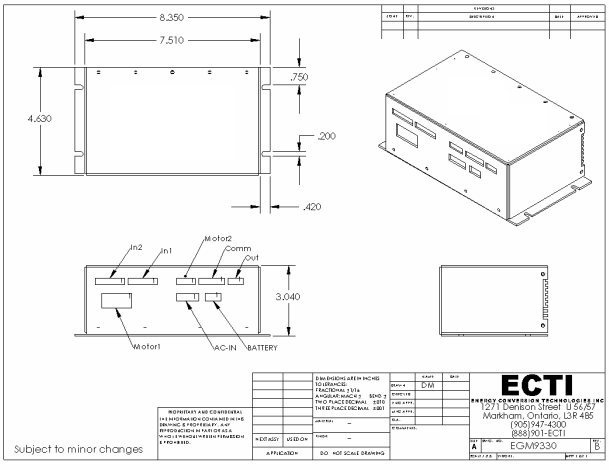
COMPACT
- High energy density in a compact package
- Only 4.3” x 4.3” x 3.6”

ENERGY EFFICIENCY
- "EVENT-DRIVEN" control algorithms maintain efficient operation under high torque demands in start / stop applications
- “REAL TIME” dynamic optimization for efficient high-speed operation
- “ENERGY PUMP”: System stores regenerative energy; net energy supplied by AC grid; can provide significant energy savings
- Limits peak energy to control utility costs
- Power factor correction capability



CONTROL
- Programmable motor operation
- 8 opto-isolated inputs/ 4 outputs for motor control and peripheral system monitoring and control
- Servo motor capabilities
  - 4-Quad operational control
  - Velocity, acceleration, deceleration control
  - Position control
  - Torque control
- Back Driveable
- Programmable Holding Torque
- Optional Electrically Operated Programmable / Failsafe Brake (not shown)
- Direct Programming via RS-232 / CAN communication interfaces
- NETWORKPOWER™
  - Precisely control multiple motors to work synchronously including load sharing mode
  - Network up to 128 systems and control them via PC or the Internet
- CAN / DEVICE NET and SDS communications capability

POWER and TORQUE
- High performance replacement for induction motors
- Peak Torque 26 in. lb. @ 3000 RPM (“HT” – higher torque model available – adds approx. 1” to length)
- Maximum RPM: 4500
- Wide range voltage input DC (24VDC to 48VDC) and 115VAC to 575VAC, single phase and 3 phase system
- Battery Backup capable



RELIABILITY
- Brushless motor technology
- Current and voltage overload protection
- NEMA 4 motor housing - wash down capable
- One Year Warranty

Energy Conversion Technologies Inc.

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