

STANDARD FEATURES

- ≥ 110÷480 Vac power supply
- EMC line filter and in-rush circuit on board
- Regen circuit with internal power resistor
- Speeder-One® software interface (Windows 98/2000/XP based)
- Parameter setting by four keys on the front panel or RS232 (opto)
- Shielding cable connection directly to the front panel
- Optical isolation between power stage and signals
- Eedback from encoder (max 250 KHz) dividble encoder emulation (sw)

OPTIONS

- RO Feedback from resolver (2-4-6-8 poles) encoder emulation (sw)
- CBMD CAN BUS CAN V2.0B (°4) + RS232 to CAN BUS multidrop CAN OPEN protocol implementations: DS301-V4.02 - DSP402-V2.0
- ▷ RS 485 interface, Mod Bus-RTU based (°), 230 kbps max
- ER Encoder and Resolver feedbacks (both)
- R05/R10 Boostered dumping resistors (external)
- SEF Safety Enable Function (according to EN954-1/cat.3)
- **PXDB** Black-out dynamic brake function (with internal power resistor)

- M3 I/O Inputs/Outputs additional functions
- > HBD Holding Brake Drive Card
- Switching frequency 16 KHz (30% current derating)
- 230 M: 110÷230 Vac single PH power supply

SPECIFICATIONS

Nominal switching frequency: 8 KHz

2 KH (current) - 200 Hz (velocity) **∑** Bandwidth:

Operating mode

- Velocity reference (differential): ±10 Vpc (15 bit resolution)

- Pulse /direction (for stepper motor controls)

- Position control

△ 4+5 opto-isolated digital inputs: 24 VDC - 7mA (PLC compatible)

1+1 opto-isolated digital outputs: 24 Vpc - 50mA max (PLC compatible)

2 analog outputs (programmable) ±10Vpc (at peak current/speed) 30 Vac/pc - 500 mA max

Relé ok output contacts:

Ambient temperature

- operating at rated data: $0 \div 45^{\circ}$ C (no derating) - rated and peak current derating: 45 ÷ 55°C (2.5% / °C)

55°C max - maximum operating: $-20 \div 55^{\circ}C$ - storage:

Humidity (w/out condensation): 85% max (operating & storage)

Altitude a.m.s.l.

- operating at rated data: 1000 m

1000 ÷ 2500 m (1.5 %/100m) - rated and peak current derating:

Enclosure protection: IP20

Storage duration: 1 year max

> after 1 year storage duration the internal electrolitic power capacitors mus be re-formed. Contact Axor's technical department for details.



MODEL	MINI MAGNUM 400 T			MINI MAGNUM 230 T			MINI MAGNUM 230 M		
SIZE	1.5 / 3	3.5 / 7	6/ 12	1.5 / 3	3.5 / 7	6 / 12	1.5 / 3	3.5 / 7*	6 / 12*
Rated Current (Arms)	1.5	3.5	6	1.5	3.5	6	1.5	3.5	6
Peak Current x 5'' (Arms)	3	7	12	3	7	12	3	7	12
F1: Supply Line Fuses (T-type = time-lag)	4A / 500V	6A / 500V	10A / 500V	3A / 250V	5A / 250V	8A / 250V	3A / 250V	5A / 250V	8A / 250V
Power Supply 50/60 Hz (grounded sys. only)	3x 380Vac (-10%) ÷ 480 Vac (+10%)			3x 110 Vac (-10%) ÷ 230 Vac (+10%)			1x 110 Vac (-10%) ÷ 230 Vac (+10%)		
Logic Supply (from insulating transformer)	24 VDC (-0%+15%) - 1 ADC (2 ADC with brake)								

24 VDC (-0%+15%) - **1 ADC** (2 ADC with brake)

^{*:} Single phase does not allow you to obtain the rated performances (torque and speed of motor). Contact Axor's technical department for details.

