

STANDARD FEATURES

- 380÷480 Vac supply with 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)
- Optical isolation between power stage and signals
- Feedback from encoder (max 250 KHz) sw divideble encoder emulation

OPTIONS

- Eedback from resolver (2-4-6-8 poles)sw encoder emulation
- 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)
- Boostered dumping resistors (external)
- SEF Safety Enable Function (according to EN954-1/cat.3)
- **PXDB** Black-out dynamic brake function (with internal power resistor)
- >> HBD Internal Holding Brake Drive Circuitry





SPECIFICATIONS

Nominal switching frequency: 8 KHz

2 KHz (current) - 200 Hz (velocity) ▶ Loops bandwidth:

Operating mode

- Velocity reference (differential): ±10 Vpc (15 bit resolution) - Pulse /direction (for stepper motor control)

- Torque control - Position control

- Encoder following

24 VDC - 7 mA (PLC compatible) >> 9 opto-isolated digital inputs:

24 Vpc - 50 mA max (PLC compatible) 2 opto-isolated digital outputs:

> 2 analog out (programmable)

±10Vpc (at peak current/ max speed) Monitor:

30 Vac/pc - 500 mA max Relé ok output contacts:

Ambient temperature

- operating at rated data: 0 ÷ 45°C (no derating) - rated and peak current derating: 45 ÷ 55°C (2.5% / °C)

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

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

Altitude a.m.s.l.

- operating at rated data: 1000 m

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

Enclosure protection: IP20

Storage duration: 1 vear max

> After 1 year storage duration the internal electrolitic power capacitors must be re-formed. Contact Axor's technical

department for details.

MODEL	MAGNUM 400					
SIZE	1.5 / 3	3.5 / 7	7 / 14	10 / 20	14 / 28	20 / 40
Rated Current (Arms)	1.5	3.5	7	10	14	20
Peak Current (Arms) x 5 sec.	3	7	14	20	28	40
F1: Supply Line Fuses (T-type = time-lag)	4A / 500V	6A / 500V	8A / 500V	10A / 500V	16A / 500V	20A / 500V
Power Supply (3PH) (grounded systems only)	3 x 380 Vac (-10%) ÷ 480 Vac (+10%) 50/60 Hz (single-ph 230 Vac permitted for setup only)					
Logic Supply (from insulating transformer)	24 VDC (-0% +15%) - 1 ADC (3 Adc with brake)					
Weight	4.2 Kg			4.6 Kg		

