

DRIVE + POWER

Ultra compact multiaxis servosystem for brushless motors. Power supply direct from the mains 230-400 VAC. Driving torque ranges up to 11 Nm



DRIVE MODEL		MKD 300				MKD 600					
SIZE		2/4	4/8	6/12	8/16	1.5/3	2.5/5	3.5/7	5/10	7/14	
Rated Current	(Arms)	2	4	6	8	1.5	2.5	3.5	5	7	
Peak Current x 5"	(Arms)	4	8	12	16	3	5	7	10	14	
Case		Α	Α	A-B	A-V 🕭	Α	Α	A-B	A-V 🕭	A-V 🕭	
Control Brake Supply	24 Vpc (±5%) - 1 Apc max (from insulating transformer)										
Backup Logic Supply		24 VDC (±10%) - 0.25 ADC (from specific				n specific MA	ACK POWER Supply)				
Power Supply	310 ÷ 385 Vpc				530 ÷ 650 Vpc						
		COUPLING WITH SPECIFIC POWER SUPPLY			Coupling with specific Power Supply						

POWER MODEL		MKP 300 M *	MKP 300 T	MKP 600 T				
SIZE		3.0 (3000w)	4.5 (4500w)	4.5 (4500w)				
Power In	(Vrms)	1 x 230V (±10%)	3 x 230V (±10%)	3 x 400 V (±10%)				
(50/60 Hz - grounded system only)	(Arms)	8 A	12 A	7 A				
Power Out	(VDC)	310 ÷ 385 V	310 ÷ 385 V	530 ÷ 650 V				
(at full-load)	(Adc)	10 A / 20 Apk x 5"	15 A / 30 Apk x 5"	8.5 A / 17 Apk x 5"				
Backup In (from insulating transformer)		24 V (±10%) - 2.5 A max						
F1: Power In Line Fuses (T-type	e=time-lag)	12 A / 250 V	16 A / 250 V	8 A / 500 V				
Case		В						

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

STANDARD FEATURES

- Several drives powered by a single supply unit
- EMC line filter, in-rush and regen circuits on board
- USB single access for setting and monitoring all drives
- Single hybrid cable for motors connection
- → Speeder-One® software interface
- Optical isolation between power stage and signals
- Operating frequency
- Current / velocity loop bandwith
- RD0 Diff. analog reference (std)
- SE Serial Encoder feedback (std)
- Ambient temp. - operating at rated data: 0 ÷ 40°C (no derating)
 - rated and peak current derating: 40 ÷ 55°C (2.5% / °C)
 - maximum operating: 55°C max - storage: -20 ÷ 55°C
- ¹Humidity: 85% max (operating & storage)
- operating at rated data: Altitude a.m.s.l.
- rated and peak current derating: 1000÷2500 m (1.5% /100m)
- Enclosure:
- Storage duration:

1 year max 2

8 KHZ

2 KHZ / 200 Hz

OPTIONS

- → CD0 Cclock and Direction control mode
- CB0 CAN Bus control mode
- ETC Ether CAT control mode
- AE Absolute Multiturn Encoder feedback
- **EC** Commutation Encoder feedback
- HBD Motr holding brake drive circuit
- STO Safe Torque Off safety function
- → M5 I/O Additional function connector
- M4 Emulated Encoder connector
- → R02 / R05 / R10 increased dumping to 160W / 500W / 1000W

APPLICATION

- Printing Machines
- Textile Machines
- Coding Machines
- Conveyors
- Machine Tools
- → Wood Worching Machines
- Battery operated Equipment
- Antenna positioners CNC controlled axis

Door operators

Packaging Machines

Jewellery Machines

Sewing Machines

Actuators

Upgrade replacement for stepper systems



