

BRUSHLESS DRIVE *MD series*

Operation

Standalone

Connected

PC
HMI
PLC
CNC

Fieldbus



User-Friendliness

Set-up tools

Instrument panel
Generator
Oscilloscope

Multiple windows

On-line help

Motion Basic language



Performance

Power supply 200 to 440V
Integrated EMC filter

Motion functions

Positioning
Gearbox
Dynamic phasing
Registration

Integrated PLC

Network communication

Real time core, multitasking



| | |
|-------------------------------|--|
| Power supply | 230V AC $\pm 10\%$ single-phase*, 400V three-phase |
| Auxiliary power supply | 24 V DC $\pm 10\%$ 0,5 A |
| EMC Filter | Integrated |
| Brake resistor | Integrated Provision for an external resistor |
| Motor feedback | Resolver Incremental encoder** |
| Master encoder | Incremental : A, /A, B, /B, Z, /Z |
| Encoder emulation | Incremental : A, /A, B, /B, Z, /Z 1024 pulses per revolution |
| Communication | RS 232 MODBUS RTU RS 422, RS 485 MODBUS RTU** CANopen** PROFIBUS DP** |
| Inputs / outputs | 4 digital inputs / 2 digital outputs 2 analogue inputs / 1 analogue output Additional module 12 digital inputs / 8 digital outputs** |
| Diagnostic | 7 segments status display |
| Operating modes | Torque mode Speed mode Position mode MOTION functions |
| Operating temperature | 0 to 40°C |
| Storage temperature | -10 to 70°C |
| Switching frequency | 6,25 KHz |

* contact us for 230 V three-phase ** options

MD 230 range - Power supply 230V single-phase

| | MD 230 / 1 | MD 230 / 2 | MD 230 / 5 | MD 230 / 7 |
|-------------------------|----------------|----------------|----------------|----------------|
| Nominal current | 1,25 Arms | 2,5 Arms | 5 Arms | 7,5 Arms |
| Peak current | 2,5 Arms | 5 Arms | 10 Arms | 15 Arms |
| Nominal power | 0,35 kVA | 0,7 kVA | 1,5 kVA | 2,3 kVA |
| Dimensions WxHxD | 67 x 215 x 203 | 67 x 215 x 203 | 67 x 215 x 203 | 67 x 215 x 203 |

MD 400 range - Power supply 400V three-phase

| | MD 400 / 1 | MD 400 / 2 | MD 400 / 5 |
|-------------------------|----------------|----------------|----------------|
| Nominal current | 1,25 Arms | 2,5 Arms | 5 Arms |
| Peak current | 2,5 Arms | 5 Arms | 10 Arms |
| Nominal power | 0,7 kVA | 1,4 kVA | 3 kVA |
| Dimensions WxHxD | 67 x 215 x 203 | 67 x 215 x 203 | 67 x 215 x 203 |