



MDD

Magnetic Direct Drive Motor

The Magnetic Direct Drive motor (MDD) is a unique brushless motor developed and patented by COMINFO and designed especially for access control industry like turnstiles, speed gates, immigration gates, selfboarding-gates, etc.

The main benefit of MDD motor is absolutely maintenance-free operation. There is no gearbox, no clutch and no oil. Due to these features it has an extremely long life-time and withstands rush environment in dust and humidity with millions of operation cycles.

This unique motor is the best choice for installations with a high flow of people like office buildings, metro stations, railway stations or airports. This motor is designed for more than **20 million cycles**.

It is the quietest motor on the market, which also makes it as a perfect choice for libraries, schools, museums, etc.

MDD motor can also be equipped by optional locking mechanism:

- Spring brake: internal brake for standard conditions
- Tooth brake: external tooth brake with hardlock feature for heavy conditions

Benefits

- **Maintenance free motor**
 - brushless, no gearbox, no clutch, no oil
- **MCBF 20 000 000**
- Dust resistance
- Humidity resistance
- The quietest motor on the market (in access control industry)
- Adjustable speed and torque
- Very fast acceleration and deceleration

Technical specification:

MCBF	20 000 000 cycles
Operating Temperature	-40 °C up to +60°C (-40 °F up to 140 °F)
Communication Interface	RS485
Dimensions	Diameter 168,3mm (7,09"), Height (excl. shaft) 91,5 mm (3,6")
IP Class	IP 40
Power Voltage	13.8 VDC
Current Peak	13.5 A
Max. Static Torque	7.20 Nm
Max. Speed	170 RPM
Brake Type (optional)	spring / tooth

Specifications are subject to change without prior notice.

