MIDA

# Next generation of motor on-board inverter

**Ideal for water booster sets, HVAC systems with circulating pumps and control of submersible pumps**

It ensures:

- Energy saving due to variable speed control.
- Soft start and soft stop.
- Extended system life and reliability.
- Installation on humid and dusty environments made possible by IP55 (NEMA 4) protection degree.
- Simplified installation on motor or wall.
- Easy and fast commissioning thanks to initial configuration wizard.
- High thermal and mechanical performance thanks to aluminium case and independent ventilation.

NASTEC®

> we move it faster >

# Technical specifications

| Model | Vin ± 15%<br>VAC | Max V out<br>VAC | Max I in<br>A | Max I out<br>A | P2 motor power *<br>kW |
|---|---|---|---|---|---|
| MIDA 203 | 1 x 230 | 3 x Vin | 4,5 | 3 | 0,55 |
| MIDA 205 | 1 x 230 | 3 x Vin | 7,5 | 5 | 1,1 |
| MIDA 207 | 1 x 230 | 3 x Vin | 11 | 7,5 | 1,5 |
| MIDA 304 | 3 x 230 | 3 x Vin | 3,7 | 4 | 0,75 |
| MIDA 306 | 3 x 230 | 3 x Vin | 5,4 | 6 | 1,1 |
| MIDA 309 | 3 x 230 | 3 x Vin | 8 | 9 | 2,2 |
| MIDA 404 | 3 x 380 - 460 | 3 x Vin | 3,7 | 4 | 1,1 |
| MIDA 406 | 3 x 380 - 460 | 3 x Vin | 5,4 | 6 | 2,2 |
| MIDA 409 | 3 x 380 - 460 | 3 x Vin | 8 | 9 | 4 |

* Typical motor power. It is recommended to refer to rated motor current when selecting the MIDA model.

## General pecifications

- Rated frequency: 50 - 60 Hz (+/- 2%)
- Ambient temperature: - 10 - 40°C (14 - 104 °F)
- Max. altitude at rated current: 1000 m
- Protection degree: IP66
- Settable digital outputs N.O. or N.C.:
  1. Motor run signal
  2. Alarm signal
- Analog inputs (10 or 15 VDC):
  1. 4-20 mA
  2. 4-20 mA
  3. 0 - 10 VDC
  4. 0 - 10 VDC
- 4 digital inputs, configurable N.O. or N.C. for motor run/stop
- RS485 MODBUS RTU, Bluetooth® SMART* (4.0)