

Datasheet Frequency Converter INVEOR

- Operation of all common motor typey
- Robust and compact die-cast casing
- Vectro control
- High temperature and vibration resistance
- DC input possible
- Centralized / decentralized installation
- Integrated soft-PLC in acc. with EN 61131-3
- PC software with integrated oscilloscope function
- Optional fieldbus systems (e.g. CANopen, Profibus)
- Handheld controller with plain text display available
- Integrated foil keypad available as an option
- Pumps, ventilator operation with power saving function

| INVEOR M | Size A | | | | | Size B | | | Size C | | Size D | | | |
|--|---|---|------|-----|-----|-------------------------------------|-----|-----|-------------------------------------|------|--------------------------------------|------|------|------|
| Recommended motor rating [kW] (4-pole asynchronous motor) | 0.37 | 0.55 | 0.75 | 1.1 | 1.5 | 2.2 | 3.0 | 4.0 | 5.5 | 7.5 | 11.0 | 15.0 | 18.5 | 22.0 |
| Supply voltage/supply frequency | 3 AC 400 V -15% to 480 V +10%, 50/60 Hz ± 6%* | | | | | | | | | | | | | |
| Line current [A] | - | 1.4 | 1.9 | 2.6 | 3.3 | 4.6 | 6.2 | 7.9 | 10.8 | 14.8 | 23.2 | 28.2 | 33.2 | 39.8 |
| Rated output current [A] at 400 V/8 kHz | - | 1.7 | 2.3 | 3.1 | 4.0 | 5.6 | 7.5 | 9.5 | 13.0 | 17.8 | 28.0 | 34.0 | 40.0 | 48.0 |
| Output voltage | 3 AC, 0 V to supply voltage | | | | | | | | | | | | | |
| Output frequency | 0 to 400 Hz | | | | | | | | | | | | | |
| Max. overload for 60 sec [%] | 150 | | | | | | | | | | | | | 130 |
| Switching frequency of power stage [kHz] | 4, 8, 16 (factory setting: 8) | | | | | | | | | | | | | |
| Min. brake resistance [Ω] | - | 100 | | | | 50 | | | | 30 | | | | |
| Protective functions | Undervoltage, overvoltage, Ft limitation, short circuits, motor temperature, inverter temperature, stall protection and detection | | | | | | | | | | | | | |
| Process control | PID controller, freely configurable | | | | | | | | | | | | | |
| Dimensions (L x W x H) [mm] / [inch] | 233 x 153 x 120 9.2 x 6.0 x 4.7 | | | | | 270 x 189 x 140 10.6 x 7.4 x 5.5 | | | 307 x 223 x 181 12.1 x 8.8 x 7.1 | | 414 x 294 x 232 16.3 x 11.6 x 9.1 | | | |
| Weight incl. adaptor plate [kg] / [lbs] | 3.9 / 8.6 | | | | | 5.0 / 11.0 | | | 8.7 / 19.2 | | 21.0 / 46.3 | | | |
| Ambient temperature | - | -25 °C / -13 °F (without condensing) to 50 °C / 122 °F (without derating) | | | | | | | | | | | | |
| Protection class | IP65 | | | | | | | | | IP55 | | | | |
| EMC | - | fulfils the requirements of DIN EN 61800-3, class C2 | | | | | | | | | | | | |
| Certificates and conformity | CE, UL and CSA | | | | | | | | | | | | | |

| INVEOR M | Size A | | | |
|--|--|-----|-----|-----|
| Supply voltage/supply frequency | 1 AC 200 V -15% to 230 V +15%, 50/60 Hz ± 6%* | | | |
| Line current [A] | 4.5 | 5.6 | 6.9 | 9.2 |
| Rated output current [A] at 230 V/8 kHz | 2.3 | 3.2 | 3.9 | 5.2 |
| Min. brake resistance [Ω] | 50 | | | |
| Ambient temperatur for power rating | -10 °C / 14 °F (without condensing) to 40 °C / 104 °F (50 °C / 122 °F with derating) | | | |
| EMC | fulfils the requirements of DIN EN 61800-3, class C1 | | | |
| Certificates and conformity | CE, UL and CSA | | | |

*About 50% reduced input possible (decreased rated output power)
This manual is subject to technical changes and printing errors.

