



INVEOR

Smart
connections.

Data Sheet

INVEOR α

INVEOR – Efficient down to the detail

- Operation of all common motor types
- Robust and compact die-cast casing
- Vector control
- High temperature and vibration resistance
- DC input possible
- Centralised/ decentralised installation
- Integrated Soft-PLC in acc. with EN 61131-3
- PC software with integrated oscilloscope function
- Optional fieldbus system (CANopen)
- Handheld controller with plain text display available
- Integrated foil keypad available as an option
- Pumps, ventilator operation with power saving function

Technical specifications

INVEOR M	Size α			
Recommended motor rating* [kW] (4-pole asynchronous motor)	0.25	0.37	0.55	0.75
Supply voltage/supply frequency	1 x 100 VAC – 15% ... 230VAC +10%, 50/60 Hz \pm 6%			
Line current [A]	4.5	4.5	5.8	7.3
Rated output current [A] at 230 V/8 kHz	1.4	2.2	2.7	3.3
Output voltage	3 AC, 0 to supply voltage			
Output frequency	0 to 400 Hz			
Max. overload for 60 sec. [%]	150			
Switching frequency of power stage [kHz]	4, 8, 16 (factory setting: 8)			
Protective functions	Undervoltage, overvoltage, I ² t limitation, short circuits, motor temperature, inverter temperature, stall protection and detection			
Recommended mains fuse (slow-acting) [A]	10			
Process control	PID controller, freely configurable			
Dimensions (L x W x H) [mm] / [inch]	187 x 126 x 70 7.4 x 5.0 x 2.8		187 x 126 x 80 7.4 x 5.0 x 3.2	
Weight excl. adaptor plate [kg] / [lbs]	1.5 / 3.3			
Ambient temperatur for power rating	–10 °C / 14 °F (without condensing) to 40 °C / 104 °F (50 °C / 122 °F with derating)			
Protection class	IP65			
EMC	fulfils the requirements of DIN EN 61800-3, class C2			
Certificates and conformity	CE, cULus			

*The recommended engine power is specified at 1-phase devices based on the mains voltage of 230 VAC.
This manual is subject to technical changes and printing errors.



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