



Smart  
connections.

Data sheet

INVEOR

# INVEOR

All INVEOR models offer:

- Performance versatility in just four sizes
- Asynchronous and synchronous open loop (closed loop as an option)
- Robust and compact die casting cabinet
- Current vector control
- High temperature and vibration resistance
- Suitable for indoor and outdoor use
- Centralised/decentralised installation
- Integrated Soft-PLC in acc. with EN 61131-3
- PC software with integrated oscilloscope function
- Optional fieldbus systems (CANopen, Profibus, EtherCAT)
- Handheld control with clear display available
- Pumps and ventilator operation with power saving function

## Technical specifications

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 200 V –10% 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	23,3	28,3	33,3	39,9	
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 [ $\Omega$ ]	-	100				50				30					
Protective functions	Undervoltage, overvoltage, I <sup>2</sup> t limitation, short circuits, motor temperature, inverter temperature, stall protection and detection														
Process control	PID controller, freely configurable														
Dimensions (L x W x H) [mm]	233 x 153 x 120					270 x 189 x 133			307 x 233 x 181		414 x 294 x 238				
Weight incl. adaptor plate [kg]	3,9					5,0			8,7		21,0				
Ambient temperature for power rating	-	–25 °C (without condensing) to 50 °C (without derating)													
Protection class	IP65														
EMC	-	fulfils the requirements of DIN EN 61800-3, class C2													
Certificates	CE and UL														

INVEOR M	Size A			
Supply voltage/supply frequency	1 AC 200 V –10% to 230 V +15%, 50/60 Hz			
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 [ $\Omega$ ]	50			
Ambient temperatur for power rating	–10 °C (without condensing) to 40 °C (50 °C with derating)			
EMC	fulfils the requirements of DIN EN 61800-3, class C1			

Subject to technical alterations



Smart connections.

KOSTAL Industrie Elektrik GmbH  
(KOSTAL Industrial Electronics)  
Lange Eck 11  
58099 Hagen  
Germany  
Phone: +49 2331 8040-4800  
Fax: +49 2331 8040-4811  
info-industrie@kostal.com  
www.kostal.com/industrie