

Achieve maximum performance – enjoy independence.

The modular INVEOR concept enables you to combine manufacturer-independent motors and gearboxes with our frequency converters. Find the best products for your power train – we will regulate your selection with maximum efficiency.

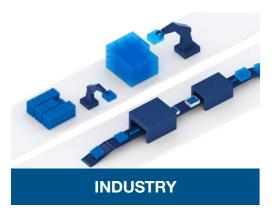
Save costs in the long term

The INVEOR controls all types of motors with maximum efficiency. By mounting it directly on the motor, you save space and the cost of purchasing a control cabinet and long, shielded motor cables. The INVEOR control process does not require any sensors at all. This reduces the costs necessary for the encoder, as well as its installation and maintenance. At the same time, the system will be heavy-duty-ready, because the most sensitive component is not needed.

Future-proof and sustainable

Perfectly positioned for the future: The INVEOR not only regulates more efficiently than the specifications laid out in the Ecodesign Directive – it is also able regulate future motor types. This ensures that you are well positioned when carbon taxes are increased and new regulations demand the use of new motor technology.

INVEOR converters: Versatile in application.













LOGISTICS

The INVEOR concept: Motor regulation considered flexibly

Whether asynchronous, synchronous or synchronous-reluctance motors:
The INVEOR enables you to regulate any type of

motor with maximum efficiency, without sensors and with long-term cost savings.

ALL MOTOR TYPES REGULATED WITH MAXIMUM EFFICIENCY

The INVEOR regulates all motors with maximum energy efficiency, going beyond the specifications of the Ecodesign Directive. All motor types can be operated with maximum efficiency with just one device.

- Freedom in the choice of motor
- Future-proof technology
- Highest efficiency



SENSOR-FREE

Our future-oriented control process enables us to do away with the encoder. Because the encoder is a sensitive measuring instrument, doing away with it also means there is no need to take measures to protect or maintain it. This makes the system more fail-safe and robust.

- Cost-optimised
- Safe and durable
- Heavy-duty-ready
- Low maintenance



MOTOR-MOUNTED

INVEOR frequency converters are mounted directly on the motor and form a self-sufficient overall system via the adapter plate. Shielded cables and control cabinets are not required.

- Plug & Play
- Space and cost saving
- Mobile and flexible



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Our INVEOR product line: How do you want to regulate?



INVEOR M

Robust and reliable – not only for use in heavy-duty environments

Which properties are decisive for your drive solution: Equipment, economy or customisability?

We will work with you to find the motor converter solution that achieves the perfect results for your application. Regulate asynchronous motors with maximum efficiency, while remaining as economical as possible in buying costs and still meet the efficiency requirements of the Ecodesign Directive.





Bluetooth app

Sensor-free



Automatic motor identification

Heavy duty



INVEOR MP

The fully equipped performance class

No equipment feature is left out, dynamic regulation with maximum overload and best regulation quality for the most demanding regulation tasks.



Bluetooth app

motor identification



MQTT



Sensor-free positioning



speed range

Multi-pump operation



INVEOR MP modular

The modular high performer with room for individual customer electronics

Integrate your own application electronics into the housing for a more individual design. All connections are 100% pluggable (grid, IOs, fieldbus, MMI) and thus remain flexible.



motor identification







Modular drive

Sensorposition

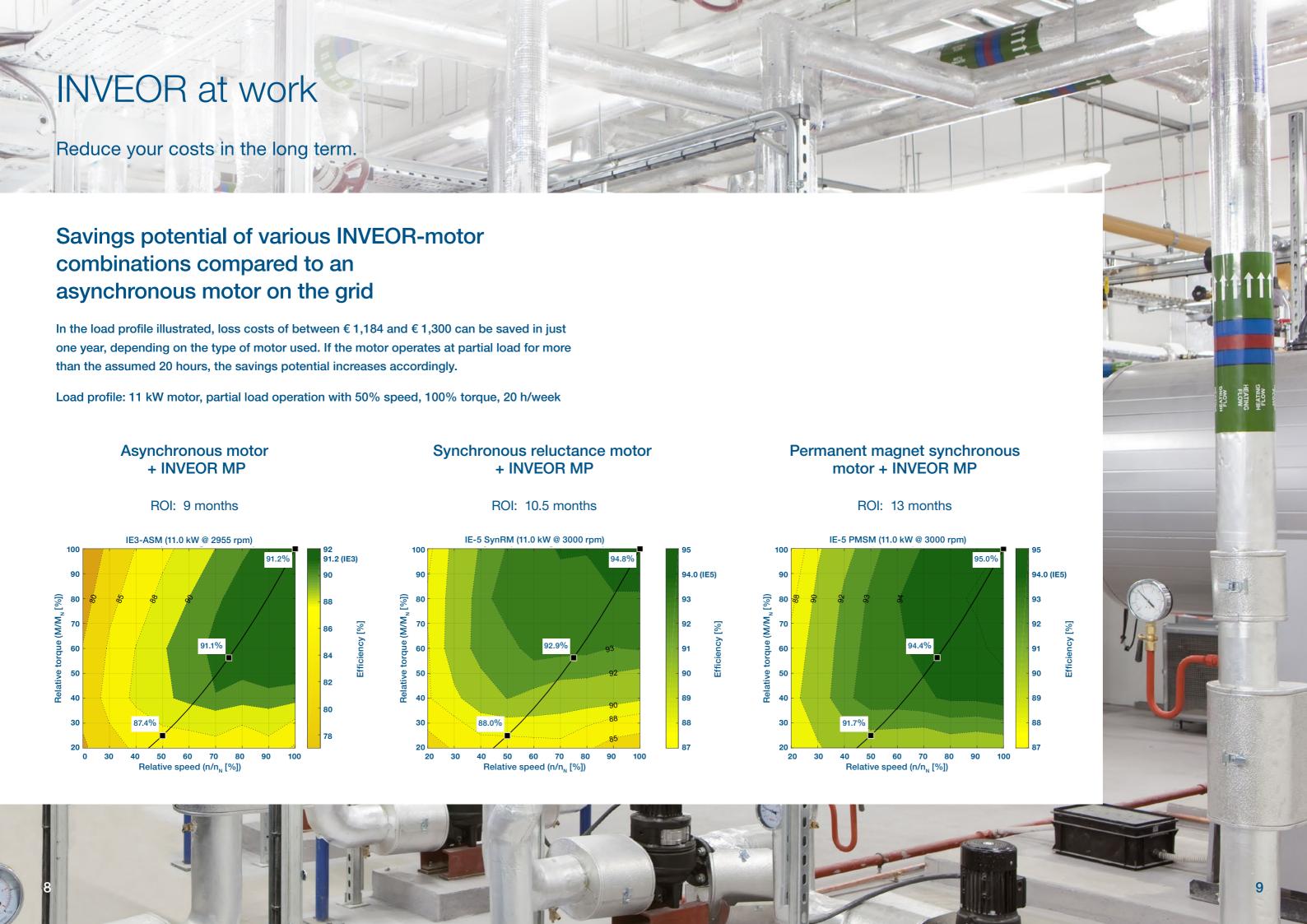


Extended speed range



V

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Flexible in use

You will find the INVEOR in action in all applications here. Contact us and we will also find the right solution for your application.





Water/ waste water pump

PUMPS

PUMPS



Eccentric



Lubricant pump

BLOWERS





Radial fan



screw pump

PUMPS



Hydraulic pump

BLOWERS



Axial fan





Brake compressor

INDUSTRY & AUTOMATION

Multiple-pump operation

PUMPS



Industrial mixer

BLOWERS



Snow cannon

COMPACTOR



Compactor

COMPACTOR



CONVEYOR TECHNOLOGY



Roller drive

DOOR DRIVES



COMPACTOR



Piston compressor

ROLLER BEARING DRIVES

ROLLER BEARING DRIVES

Refrigeration/ air conditioning

compressor

COMPACTOR



Azimuth drive

CONVEYOR TECHNOLOGY



Chain conveyor

CONVEYOR TECHNOLOGY

Pitch system



Conveyor belt



High-speed door

We provide support where you need us: Regardless of industry and motor manufacturer.

Benefit from our expertise in the field of drive technology and our decades of experience gained as part the KOSTAL Group in the field of international, industrial production.

We will accompany you through the entire cycle, from planning to commissioning, and will also be at your side during ongoing operation.



Operation made easy.

- Assistant-guided commissioning
- Clone data records and send by e-mail
- Parameter settings in plain text
- Control mode, control the frequency converter via your mobile end device
- Access to all process variables and device information
- Error analysis, error history with additional data
- Demo mode
- Data records compatible with KOSTAL INVERTERpc software
- Multiple languages (9 languages)

PLANNING

Whatever the requirements of your application: We will examine your application and find the best motor-INVEOR solution for you.



SELECTION

Our experience for your application: Our development team will support and advise you, whichever motor or transmission is selected.

We will help you to find the perfect combination for your power train.

INSTALLATION

The INVEOR automatically detects the most important parameters of your motor (Selfcom). With the app, you can set individual parameterisations or clone devices wirelessly via Bluetooth. This is particularly helpful in places that are difficult to access. In addition, we provide a commissioning service and PLC programming through our technicians. Ensuring that everything is perfectly regulated.

OPERATION

Support via app:

Parameters are read out directly and sent to our customer support team. This enables us to react quickly and without requiring a specific language to be used.

Service support for our products

With our KOSTAL training courses, we provide you with practical expertise and interesting insights into the world of INVEOR frequency converters.

You will always find our latest seminar offers on our website.





Basics of drive technology



INVEOR frequency converters



Basics of PLC programming



INVEOR operating concept



Using the mobile KOSTAL INVERTERapp



KOSTAL control process – encoder-free regulation



Subscribe to our newsletter and receive the latest information directly in your inbox.





We will provide tailored advice on selecting the right device. Contact us.

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