

PRODUCT FOCUS



MOVIMOT® The Smart Gearmotor with Integrated Frequency Inverter

OVERVIEW

SEW-Eurodrive's MOVIMOT® smart gearmotor offers cost-effective integrated control for applications from 0.5 to 5 hp. The compact frequency inverter, mounted directly on the motor, saves enclosure space – which saves you money. Available for all standard designs and mounting options, with or without brake, MOVIMOT® offers a proven, rugged solution for a large variety of decentralized tasks.

STANDARD FEATURES

- Economical solution for variable speed AC motor control
- Sensorless vector control provides excellent speed regulation and up to 50:1 speed range
- Designed to match motor specifications; no parameter setup required
- Eliminates problems associated with Reflected Wave Phenomenon by eliminating long motor leads
- IP65 rating for harsh environments
- No panel space required – cost savings in enclosure and installation labor
- Supplied standard with SEW motor certified by CSA for Inverter Duty
- Retrofit kit allows field modification of existing across-the-line motors
- Adjustable carrier frequency to 16 kHz for quiet operation
- 24 Vdc discrete inputs

Specifications

- 0.5 – 5 HP with input voltage 380 – 500 VAC ±10% 50/60 Hz
- 0.5 – 3 HP with input voltage 200 – 240 VAC ±10% 50/60 Hz



- Frequency range: 2 – 100 Hz
- Integrated speed pot for local speed control
- Standard 4-quadrant operation with integrated dynamic braking resistor
- Status LED indicates fault status/type
- 2 preset speeds
- Fault relay output (SPDT)
- Standard RS-485 interface (MOVILINK® protocol)
- Protective functions: overload (motor, brake, and inverter), overvoltage, phase failure
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OPTIONAL FEATURES

- External setpoint converter MWA 11A converts 0...10 Vdc or 4...20mA to RS-485
- Full-featured keypad MKP 11A for run/stop, speed, direction control and alternate units display
- Digital speed display/adjustment keypad MBG 11A
- Digital speed display/adjustment keypad integrated with 24 Vdc supply – MLG 11A
- PROFIBUS® DP, DeviceNet™, INTERBUS and CANopen interface with additional auxiliary discrete I/O (4 inputs/2 outputs or 6 inputs)
- AS-interface (4-bit) with 2 additional auxiliary inputs
- MDG Diagnostics unit for displaying motor current, operating, input terminal, message relay and brake status information

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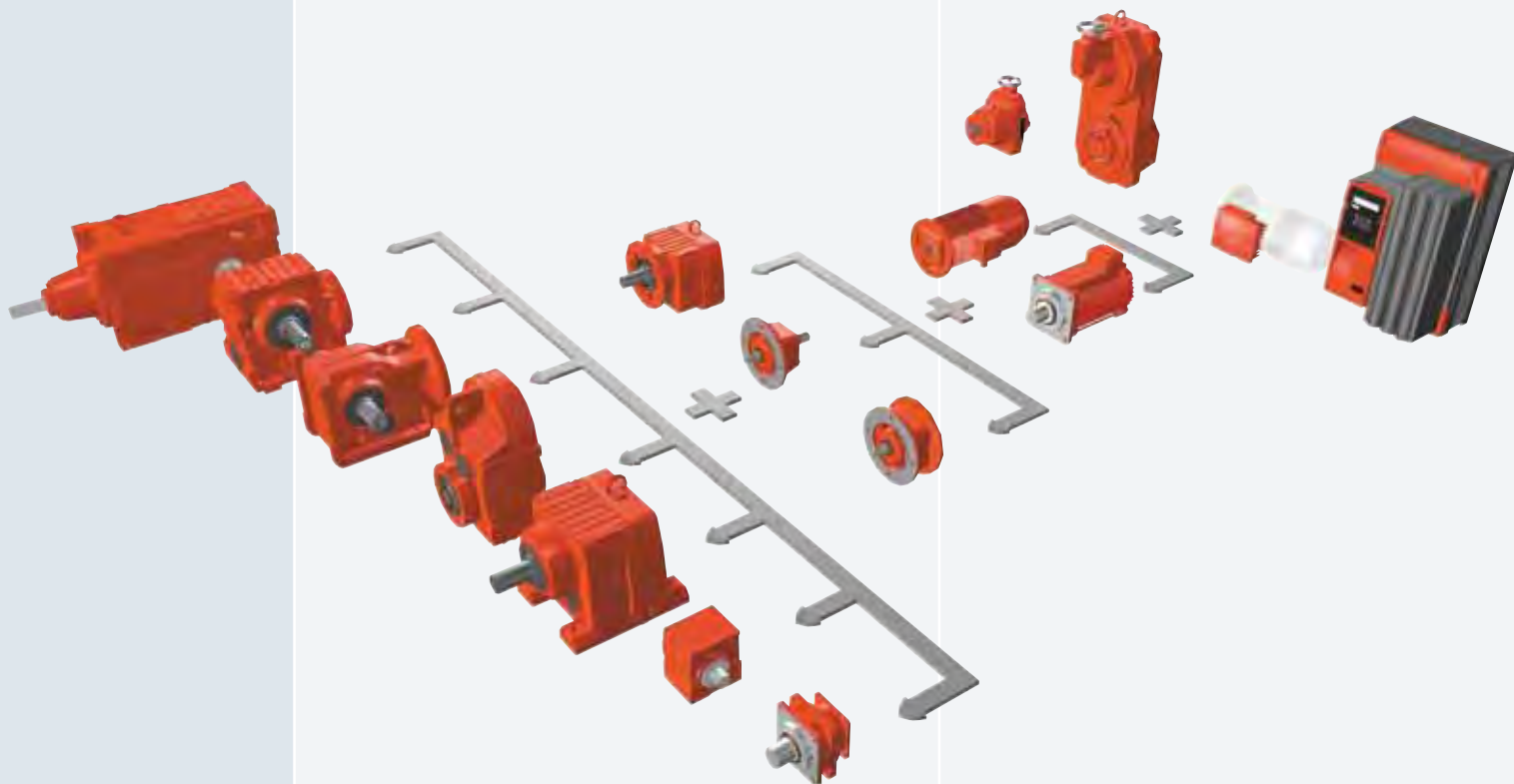


SEW-EURODRIVE
Driving the World

SEW EURODRIVE



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For more than 50 years, SEW-Eurodrive has been industry's global supplier of choice for innovative, reliable gearing and high-performance motors. We are also one of the world's leading suppliers of electronic drives. Wherever things need to be moved – that's where you'll find SEW-Eurodrive.

SEW gear units are legendary for their outstanding performance and uncompromising quality, and for the vast selection of modular options and power ratings available to meet the requirements of virtually any application. Installed in all major industrial sectors, our drive products continue to set new quality standards globally for meeting today's advanced power transmission challenges.

In our nine global manufacturing centers, we build SEW drive components and modules to exactly the same specifications and tolerances. However, final assembly and custom modifications are performed in our 56 regional assembly plants, located close to our customers

in 40 countries around the world – so here in North America you can rest assured you're getting exactly the same drives, no matter where your equipment is going into operation.

What's more, being in close contact with our customers enables our sales engineers and technical specialists to provide knowledgeable applications and project planning assistance, as well as complete startup and training, at your site. And of course, all SEW-Eurodrive products are backed by our industry-leading 24/7 support program, should you ever require service.

SEW-Eurodrive. Driving the world – with innovative products, systems and support that deliver superior performance for your power transmission application.

