

PRODUCT FOCUS



AC Motors and Brakemotors

OVERVIEW

SEW-Eurodrive's squirrel-cage motors and brakemotors deliver exceptional performance and reliability combined with low maintenance. Designed for continuous duty under tough service conditions, these low-noise brakemotors are used wherever fast, safe braking is a major application requirement.

PRODUCT RANGE

- Power ratings from 0.25 to 100 HP
- 2-, 4-, 6-, 8-, 4/8-, 2/6-, 2/8-pole plus others
- Integral brakes to fit all frames

STANDARD FEATURES

- All motors designed for inverter duty
- Totally Enclosed Fan Cooled (TEFC)
- Continuous duty
- Electrical standards per NEMA-MG1
- Dimensional standards per IEC (metric)
- Oversized cast-iron conduit box
- Pressed-steel fan guard
- Molded plastic fan
- Connection terminals
- Extremely low rotor inertias
- High-cycle application
- CSA approved
- CE Mark for shipment into Europe

Insulation System

- Phase insulators
- Vertical dipping
- Optimized dipping for wire gauge
- Class H varnish



- Slot liners
- Top stick (wedge)
- Connecting wire sleeves
- Voltage spike resistant per NEMA MG1-31.40.4.2
- 1600 V peak at .1 μ s or larger rise time

Mounting Configurations

- Foot/flange/foot flange mounts
- Suitable for mounting in any position

OPTIONAL FEATURES

- High cycling fail-safe brake
- Severe duty protection
- 50 Hz for worldwide use
- Forced cooling for low frequency operation
- Thermostat or thermistors
- Classes F or H insulation
- Mounted encoder



SEW-EURODRIVE
Driving the World

SEW EURODRIVE

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DTE/DVE Series Energy Efficient Motors

OVERVIEW

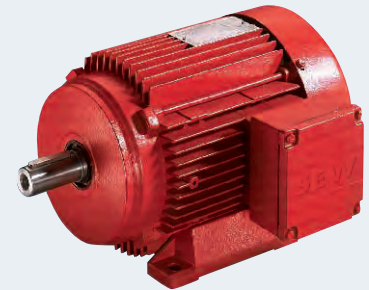
SEW-Eurodrive's innovative DTE/DVE Series motors deliver energy efficiency while at the same time providing higher maximum torque (breakdown torque) than conventional AC motors. The DTE/DVE Series' die-cast copper rotor significantly decreases overall heat and energy losses by yielding higher conductance and stiffer torque characteristics. Designed to integrate seamlessly with standard SEW-Eurodrive modular gearing, the DTE/DVE Series offers an optimum drive solution with unparalleled efficiency.

PRODUCT RANGE

- 4-pole motors of size 90 to 132S, plus additional sizes up to 225S

STANDARD FEATURES

- Copper die-cast rotor which decreases overall heat and energy losses
- Stiffer torque characteristics ideal for applications that demand continuous operation
- Complete integration with standard SEW-Eurodrive modular gearing—the perfect marriage of energy efficient motor and matched gear unit with efficiencies up to 98%
- Entire inverter/motor/gear unit package available from single source
- Extremely option-capable, allowing for high level of customization and adaptability—user can match motor to specific application
- Small, compact design
- Meets European efficiency class EFF1 for 50 Hz and the American EPact requirement for 60 Hz



Mounting Configurations

- Motors and gearmotors available in all mounting positions
- Ideal for mounting where space is limited

OPTIONAL FEATURES

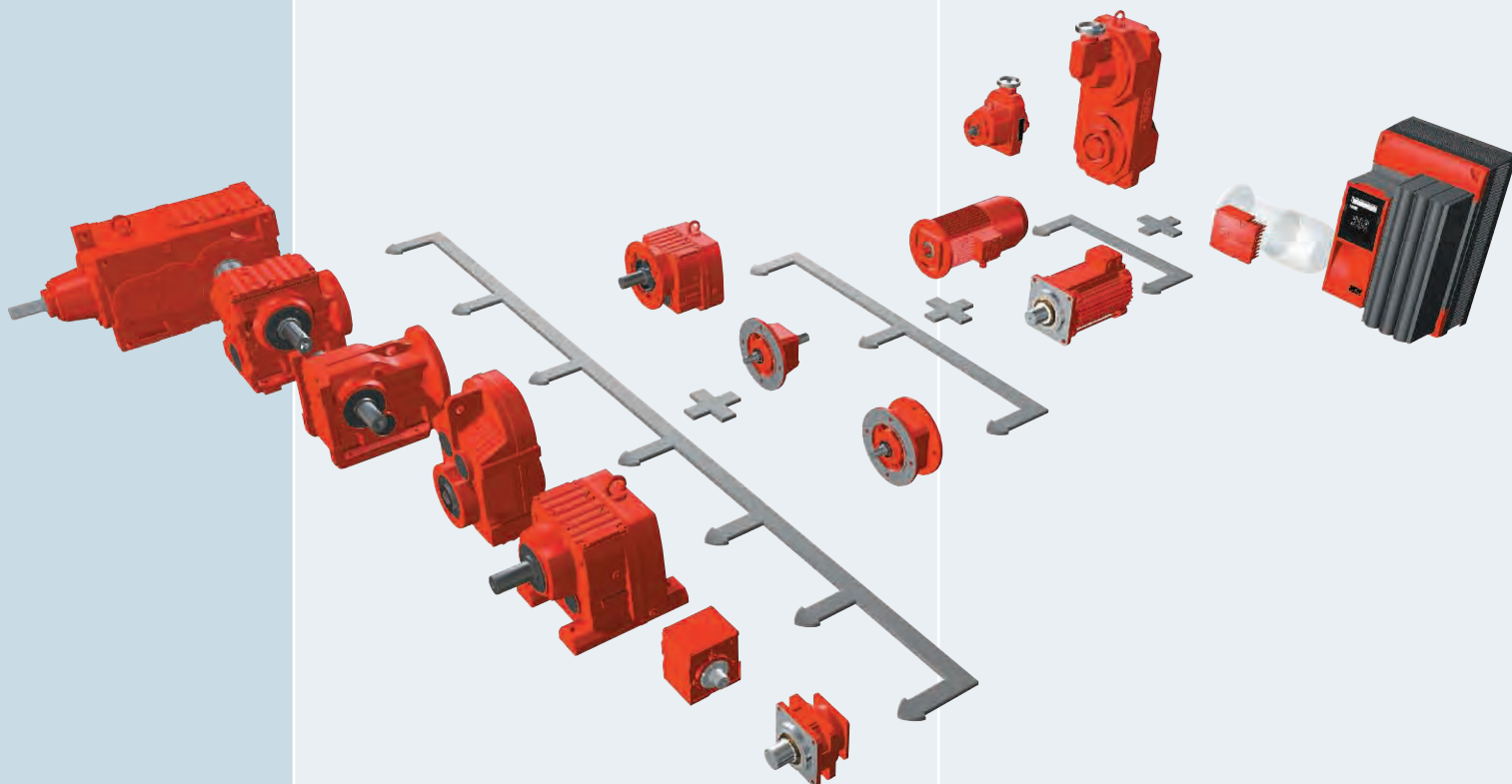
- MOVITRAC® frequency inverters and MOVIDRIVE® drive inverters distribute power with more than 97% efficiency
- Controlled power output—adaptable to all requirements
- Most up-to-date control methods (VFC, CFC) ensure drive is controlled with low loss levels
- Extremely diverse range of functions permits optimum adaptation to the specific process
- Modular inverter concepts make it easy to adapt the electronics to changes in the machine
- Energy recovery with regenerative-capable inverters



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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.

