

R-Series Parallel Gearmotors

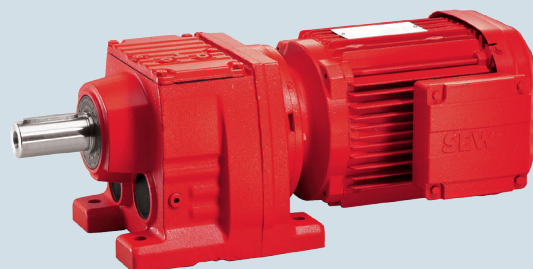
SEW-Eurodrive's R-Series parallel gearmotors deliver exceptional performance and reliability combined with low maintenance. Available in many configurations, they continually distinguish themselves with their high efficiency and durable gearing.

Product Range

- Power ratings from 0.05 to 433 HP
- Ratios from 1.3 to 23,401
- Output torques to 159,300 lb-in

Reducer

- Efficiency = 98.5% (1-stage) 97% (2-stage) or 95.5% (3-stage)
- Gears manufactured from certified steel, heat treated to a case hardness of 58-62 Rockwell C for infinite fatigue strength
- Finished ground or shaved gear teeth to assure minimum noise, minimum heat, and maximum mechanical efficiency
- Anti-friction bearings for optimum load capacity and long life
- Captured keys on input and output shafts
- R37-R167 gear housing contains high strength cast iron, SAE Class 30 or equivalent (GG20)
- R27 housing contains high strength pressure-cast aluminum
- O-ring on flange to prevent oil leakage when mounted on a surface that is not totally flat
- High cross-section modulus design, rugged monobloc design for maximum rigidity
- Center tapped holes on output shafts to aid the installation of shaft components
- Exclusive interlocking 2-piece seal design consisting of a patented bi-helix FKM inner seal and a double-lip Nitrile (Buna N) outer seal – provides three sealing surfaces against contaminants
- Metric or Inch dimension output shaft
- Removable inspection cover
- Shock capacity meets or exceeds AGMA 6009-A00



Motor

- Inverter duty
- Connection terminals
- Low rotor inertia for high cycling and tight control
- EISA (IE3) "Premium" available
- 50Hz, 60Hz, or 50/60Hz global motor
- **CE** for shipment into Europe

Mounting

- B5 flange with centering tenon
- B14 flange with centering tenon for sizes R07-R87
- Foot/Flange for sizes R07-R87
- Flange with extended bearing (RM) for mixer applications
- Can be ordered for any mounting orientation

Optional Features

- C-Face or IEC motor adapter
- Corrosion protection
- Long-term storage protection
- Heavy duty spherical roller bearings (R57-R107)
- FKM seals instead of NBR
- High cycling fail-safe brake
- Forced cooling fan for low frequency operation
- Thermostat or thermistor protection
- Plug connectors for quick motor replacement
- Two-speed motor
- Motor encoder - built-in or externally mounted
- CSA hazardous location and ATEX rated motors
- Servo Motor



U.S. Operations:

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About SEW-Eurodrive

Our product is motion. Our focus is solutions. As a worldwide supplier of innovative gearing, motor, and electronic drive technology, we have been solving problems in large and small applications within virtually every industry for over 80 years.

We also specialize in reducing the total cost of ownership with our customer-specific energy saving solutions.

Globally, we have assembly centers in 44 countries, along with 15 production plants. Therefore, we are able to provide uniform quality standards and international application experience.

Locally, we provide final assembly and custom modifications plus assistance with project planning, startup, and training. All products are backed by our industry-leading 24/7 support program.

SEW-Eurodrive ... Driving the World

