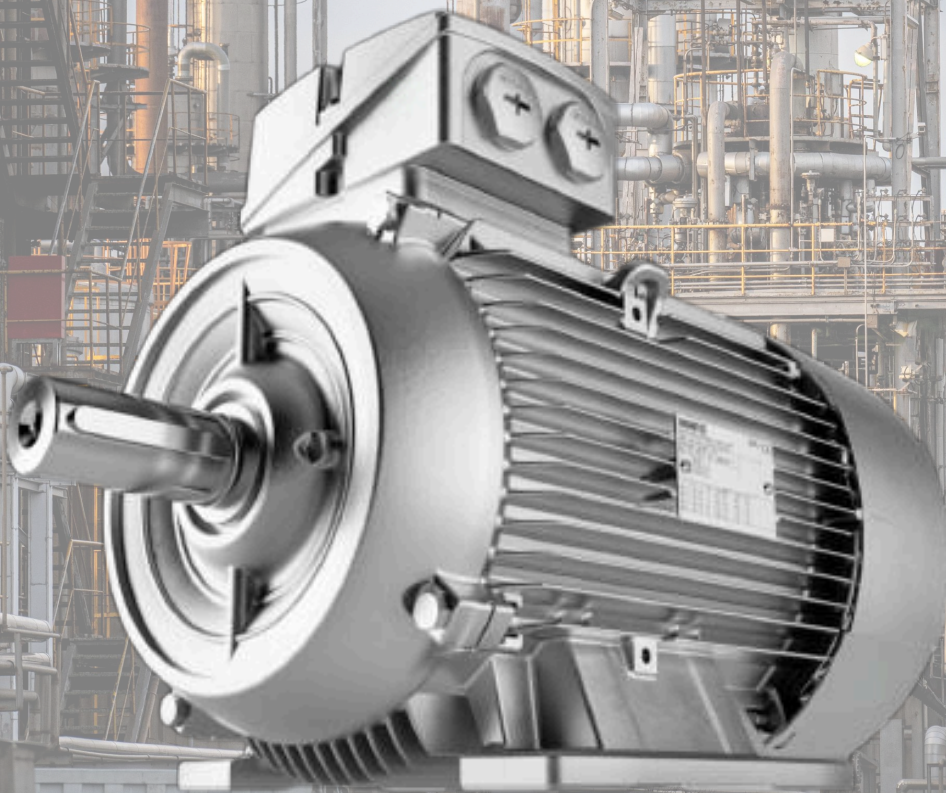


Authorized
Dealer & Supplier
Induction Motors
Automation Parts

Siemens
IE4 Motors



Siemens IE4 Motors

Siemens IE4 motors are advanced super premium efficiency electric motors developed to meet the latest IEC 60034-30 international efficiency standards. Designed for high-performance industrial operations, these motors provide exceptional energy savings, improved productivity, and reduced environmental impact. Siemens IE4 motors are ideal for industries seeking next-generation motor technology with superior operational reliability and lower lifecycle costs.



Technical Specifications

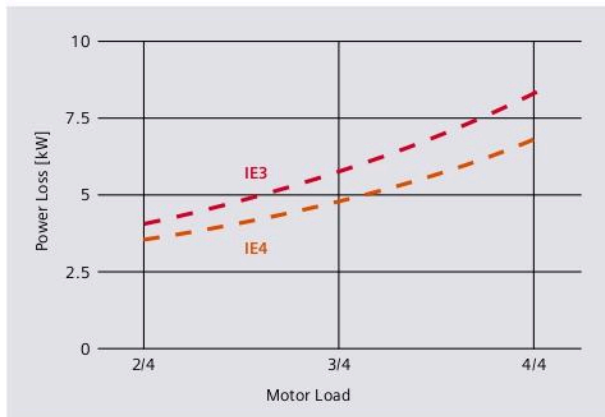
Parameters	Details
Frame Range	80 – 355L
Power Output	0.75 – 400KW
Pole Configuration	2 , 4 , 6 , 8
Rated Voltage	415V +- 10%
Mounting Types	B3 / B5 / B35
Operating Frequency	50Hz / 60Hz

Key Features of IE4 Motors

- ⌚ Super Premium Energy Savings
- ⌚ Ultra-Low Power Losses
- ⌚ Enhanced Thermal Performance
- ⌚ High Torque Efficiency
- ⌚ Reduced Noise & Vibration
- ⌚ Heavy-Duty Industrial Design
- ⌚ Extended Equipment Lifespan
- ⌚ Optimized for Continuous Operation

Suitable Application

- ⌚ Process industries
- ⌚ Industrial pumps
- ⌚ Chemical processing equipment
- ⌚ Compressors and blowers
- ⌚ Mining & cement industries
- ⌚ Conveyor systems



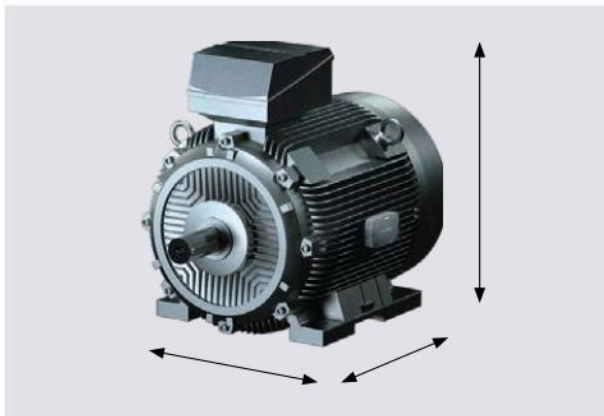
Power losses comparison of 200 kW 4-pole motors in IE3 and IE4, created by SinaSave tool.

Impact on the environment

- The use of an IE4 motor brings a significant **reduction of energy consumption and CO₂ footprint**. Taking a motor from the mandatory range 75 – 200 kW, we speak about Megawatt hours of energy and tons of CO₂, which will be saved by one single motor annually.

Impact on the energy cost saving

- The **commercial benefit** is worth thousands of Euros annually saved with one single motor after migration to IE4.
- Depending on the operation mode, the **payback time** of installing a new IE4 motor instead of repairing an old IE3 motor is normally really short – low units of years. You can evaluate the best fitting solution using the SinaSave tool (see next page).



Impact on the mechanical parameters

- The **mounting dimensions** (feet, flange, shaft end) have always a match between the respective IE3 and IE4 motor, so you can easily make a simple drop-in replacement.
- The difference in the cable entry **height** and total motor height is max. 25 mm between the IE3 and IE4 motor.
- The motor **weight** is greater in average by 7 % and the rotor **inertia** by 15 %, because the motor has to contain more active material.
- The motor **length** is varying +/- 10 %, in average it is smaller for the IE4 motors. That shows how compact the new SIMOTICS SD next generation (1LE5) design is.

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