



NEW: SIMOTICS SD200

The flexible severe-duty motor designed for long, trouble-free life in harsh environments.

usa.siemens.com/simotics-sd-nextgeneration

One Motor for Any Challenge

The SIMOTICS SD200 low voltage motor from Siemens combines flexibility, performance and efficiency to meet any customer need. This unique new motor is equipped with a bidirectional fan, field-modifiable terminal box, and flexible footing that works for nearly any retrofit. It achieves optimal performance in diverse operating conditions, and its broad selection of options makes custom orders a thing of the past. At 350–800 horsepower and 509–5013 frame size, it delivers maximum efficiency with minimal complications—not only meeting but exceeding NEMA Premium® and DoE efficiency standards. And it's built with tomorrow's technology advancements in mind, so you and your customers are ready for whatever comes.

Built for the Harshest Industries and Applications

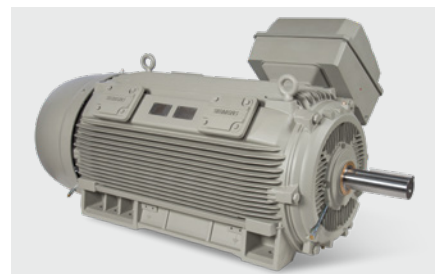
A wide range of industries already trust their operations to Siemens severe-duty motors—from oil and gas, petrochemical, pulp and paper, and mining, to food and beverage, water and wastewater, minerals, and more. The next-generation SIMOTICS SD200 motor is built to power fans, compressors, pumps, conveyors, hoists, winders and similar equipment in these tough environments day after day, night after night. The reliable motor design ensures a long, trouble-free life backed by a three-year warranty.

SIMOTICS SD200 Horsepower Range

| Frame Size | Speed | | |
|------------|-------------|----------|----------|
| | 3600 rpm | 1800 rpm | 1200 rpm |
| 509 | 400 HP | 400 HP | — |
| 5010 | 450 HP | 450 HP | 350 HP |
| 5011 | 500 HP | 500 HP | 400 HP |
| L5011 | — | — | 450 HP |
| 5012 | 600 HP | 600 HP | 500 HP |
| 5013 | 700, 800 HP | 700 HP | 600 HP |



Flexible footing to accommodate most retrofits and help keep your supply simple



Variable terminal box locations are field-modifiable for reduced inventory



SIMOTICS SD200 Technical Overview

| | |
|--------------------------|--|
| HP Range | 350–800 HP |
| Frame Size | 509–5013 |
| Frame | Cast Iron |
| Efficiency | NEMA Premium® [MG1-Table 12-12] |
| Voltage | 460 V, 575 V |
| Service Factor | 1.15 @ 40°C |
| Insulation | Class H, Non-Hygroscopic |
| Temperature Rise | Class B @ 1.0 SF, Class F @ 1.15 SF |
| Conduit Box (Oversized) | Cast Iron, Field-Modifiable location (F1 / F2) and rotation |
| Fan Cover | Cast Iron |
| Cooling Fan | Bidirectional |
| Rotor | Die-Cast Aluminum |
| Inverter Duty | VT 20:1 CT 4:1 |
| Hazardous Classification | Class I, Division 2 Gr. C&D Temp. Code T2A Class II: Optional |
| Enclosure | Totally Enclosed Fan-Cooled (TEFC) |
| Ingress Protection | IP55 |

About Siemens SIMOTICS Motors

Siemens SIMOTICS industrial electric motors are made in North America with standards such as NEMA, UL, API and others in mind—many of which Siemens has helped develop. The new Siemens lines of NEMA AC motors range from general-purpose motors with aluminum frames, to sophisticated three-phase motors that meet or exceed IEEE 841 and NEMA Premium standards. Backed by 150 years of experience, SIMOTICS motors are unrivaled when it comes to reliability, ruggedness, compactness, efficiency and performance. Learn more at industry.usa.siemens.com/drives/us/en/electric-motor/pages/electric-motor.aspx

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