

# SIEMENS

*Ingenuity for life*



## NEW: SIMOTICS SD200

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

[usa.siemens.com/simotics-sd-nextgeneration](http://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 Harshes 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](http://industry.usa.siemens.com/drives/us/en/electric-motor/pages/electric-motor.aspx)

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