

# Enclosed Low Voltage Drives

**SINAMICS – for every application, power and performance**

## Why use drives?

Variable Frequency Drives save money and energy by optimizing motor speed, torque, control and performance. They can recover energy often wasted as heat and transmit it back to the line or to another drive. Adding drives to direct-on-line motor applications extends the life of mechanical components by minimizing shock loading. And as the gateway to automation, drives bring your constant speed applications into the digital age with data collection, reporting and analysis.

## Why Siemens drives?

The SINAMICS drive lineup is a versatile portfolio offering control for a wide

range of applications. From simple pumps and fans to sophisticated machines requiring closed loop speed and position control and extended safety functionality, we have just what you need.

Modular components allow you to configure a drive to best meet the demands of the application, the environment, and the power supply system. Options from common to custom, including power, communications, enclosures, cooling and more are available to fit your specific need. And when it's delivered, it's ready to install and run.

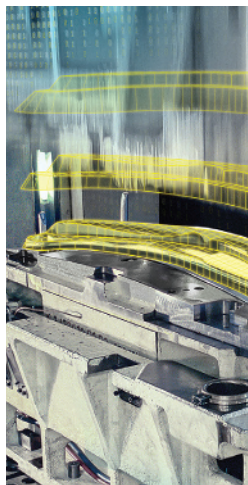
## Innovative Drive Technologies

Today, plant and machinery construction is demanding automation and drive solutions that must be highly flexible and scalable. All industrial sectors demand individual solutions that are extremely easy to use, highly efficient and have integrated safety and communication protocols like PROFISAFE, PROFINET, EtherNet/IP, MODBUS TCP/IP and more.

With SINAMICS, Siemens delivers a platform that satisfies the highest requirements in low and medium voltage systems. The complete and integrated drive family addresses all performance levels. It sets itself apart with the highest degree of flexibility, functionality and efficiency. The proven modular design reduces downtime with long service life and quick field repair if needed.



Oil & Gas



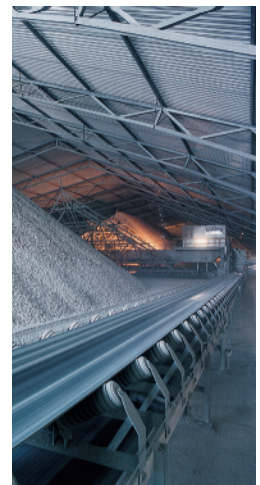
Metals



Pulp & Paper



Transportation



Mining & Minerals

### General Performance

#### SINAMICS G120E, G150

- 380-690V
- 1-1150 HP
- NEMA or IEC design
- NEMA units qualify for quick-ship program



### High Performance

#### SINAMICS S150, S120CM

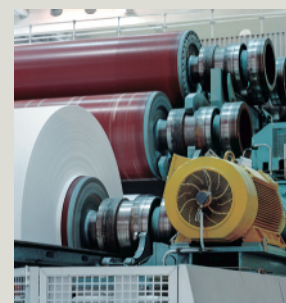
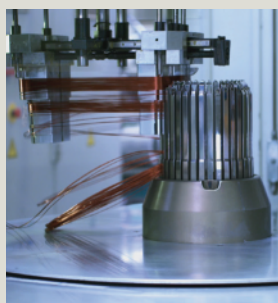
- 380-690V
- 1-5000 HP
- NEMA or IEC design
- Regenerative capability with Smart Line or Active Line modules



### Clean Power

#### SINAMICS 18-Pulse

- 380-480V
- 1-800 HP
- NEMA design
- Low harmonics per IEEE 519-1992



### A closer look

For more information about what can be offered for your AC enclosed drive, please review your available options here: [usa.siemens.com/drives](http://usa.siemens.com/drives)

### Submitting your inquiry

Please send your request to your local Siemens product distributor. A distributor locator tool can be found under "Contacts & Partners" at the website on the left.

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