

## SINAMICS G120 Chassis Units

### The Modular Single Drive for Small and Medium Output Ranges

SINAMICS G120 is a modular drive inverter system that comprises various function units. These are essentially:

- Control Unit (CU)
- Power Module (PM)

The CU controls and monitors the PM and the connected motor in several operating modes that can be selected. It supports communications to a local control as well as to monitoring devices and equipment. The PMs has a power range from 0.37 kW to 90 kW.



### SINAMICS G120 – a Brief Summary of its Strengths

- **With many innovative functions**

Safety Integrated for safety-relevant machines and systems, capable of regenerative feedback into the line supply for energy saving and a new cooling concept

- **Faster engineering, fast commissioning**

using the SIZER and STARTER tools and data backup using the Basic Operator Panel (BOP) and MMC card

- **Efficient and consistent solutions**

via Totally Integrated Automation (TIA), consistency from SINAMICS through to the automation level

### SINAMICS G120 – Technical Data

<b>Voltage and power ranges</b>	380 – 690 V $\pm$ 10% 3AC, 0.37 to 90 kW
<b>Types of control</b>	Vector control, FCC (Flux Current Control), multipoint characteristic (parameterizable V/f characteristic), V/f characteristic
<b>Inputs / Outputs</b>	up to 9 digital inputs, 2 analog inputs / 3 digital outputs, 2 analog outputs

### SINAMICS G120 – Typical Uses



SINAMICS G120 is especially suitable as universal drive in the whole of industry and the trades, in sectors such as automobile, textiles, printing, chemical as well as in general higher-level applications – e.g. in conveyor systems.