

# MOVITRAC<sup>®</sup> basic – easily control speed

Control cabinet technology –  
**simple inverter**



# MOVITRAC® basic

MOVITRAC® basic has been designed and developed as the easy way to control speed. It's a very compact inverter and has been optimized for asynchronous AC motors.

Redefining simplicity in control cabinet technology –  
**MOVITRAC® basic.**



## Efficient

In its delivery state, startup has already been completed for asynchronous motors with the same power rating.

Unpack – connect – specify setpoint – motor runs.



## Simple

Keypads can help make device replacement quick and straightforward.



## Open

The inverter can be connected to standard control systems, as various fieldbus protocols are supported via pluggable fieldbus gateways (in preparation).

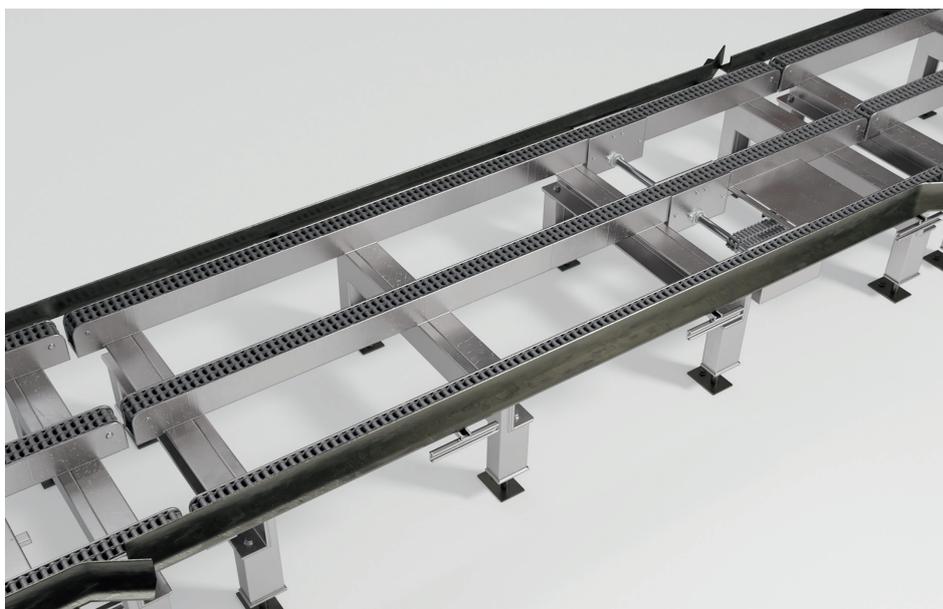
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## Application options

for power ranges  
from 0.75 to 1.5 kW

MOVITRAC® basic is a very compact inverter, supports setpoint input via analog and digital signal terminals, and can also communicate via optional fieldbus gateways.

## Materials handling technology



## Roller conveyor



# Functions and features

## MOVITRAC® basic

the new “simple” option for control cabinet solutions

**The simple MOVITRAC® basic inverter basic has been designed for the countless applications that only need speed control for the drives.**

It is supplied with startup already completed as appropriate to the power rating of the asynchronous motors where it will control the speed. Unpack – connect – specify setpoint – and the motor runs.

MOVITRAC® basic can be used worldwide – it has been granted many certifications of conformity around the world, including CE (Europe) and cULus (USA and Canada).



## Plan – Connect – Move

When everything simply slots into place



### Line connection

- 1 × AC 200 – 240 V
- 3 × AC 200 – 500 V
- Pluggable line filters

**More information: Page 8**



### Operation

- Scalable keypads
- Diagnostic module and interface adapter

**More information: Page 6**



### Communication via optional fieldbus gateways

- Binary and analog inputs
- PROFINET®
- EtherCAT®/SBus<sup>PLUS</sup>
- EtherNet/IP™
- Modbus TCP

**More information: Page 9**



# Operation

## Accessories and options

Operation / startup / front modules



MOVITRAC® basic  
with CBG01A keypad

## CBG.. keypads

Four keypads are available that can be plugged directly into the inverter. The CBG01A, CBG11A, and CBG21A keypads can be used to start up the inverter.

The CBG22A keypad is used if customer-specific notifications from the higher-level controller need to be displayed. A door installation frame is available for installations outside the control cabinet.

All keypads store the selected parameter and configuration settings – but they differ in terms of functionality and user experience, for example their display or installation features and language selection. Appropriate scalable keypads are thus available to suit requirements.

The CBG21A and CBG22A keypads can be plugged into the MOVITRAC® basic inverter. These keypads are wider than the inverter itself and therefore extend beyond the sides of the inverter.



CBG01A keypad



CBG11A keypad



CBG21A keypad

## CDM11A diagnostic module

The diagnostic module is the interface to the MOVISUITE® engineering software. It also contains two 7-segment displays for displaying the device status.

## Fieldbus gateway\*

Up to eight inverters can be connected to standard control systems using the CFX11A-.. fieldbus gateways. They also support different fieldbus protocols.

## Fieldbus coupling module\*

The CFC11A fieldbus coupling module is required to connect individual inverters to the fieldbus gateway.

\* In preparation

# Technical data

<b>Nominal power range *</b>	<ul style="list-style-type: none"> <li>– 1 × 200 – 240 V (0.55 – 0.75 kW) / size 0XS</li> <li>– 3 × 200 – 500 V (0.75 – 1.5 kW) / size 0XS</li> </ul>
<b>Overload capacity</b>	150%
<b>Service</b>	QR code on the device for rapid access to Digital Services
<b>Installation</b>	<ul style="list-style-type: none"> <li>– Optimized control cabinet planning possible thanks to Online Support tools, such as EPLAN data and product configurator</li> <li>– Very compact inverter – saving installation space</li> </ul>
<b>Energy efficiency</b>	Inverter meets the requirements of energy efficiency class IE2 pursuant to the Ecodesign Regulation (EU) 2019/1781
<b>Features</b>	<ul style="list-style-type: none"> <li>– Suitable for use in TN/TT and IT networks</li> <li>– Integrated EMC filter of category C3 pursuant to EN61800-3</li> </ul>
<b>Certifications/conformity</b>	<ul style="list-style-type: none"> <li>– CE, UKCA</li> <li>– In preparation: cULus , EAC, KC, NM, RCM</li> </ul>

\* Motor power ratings < 0.55 or 0.75 kW can also be operated



## Topologies and communication

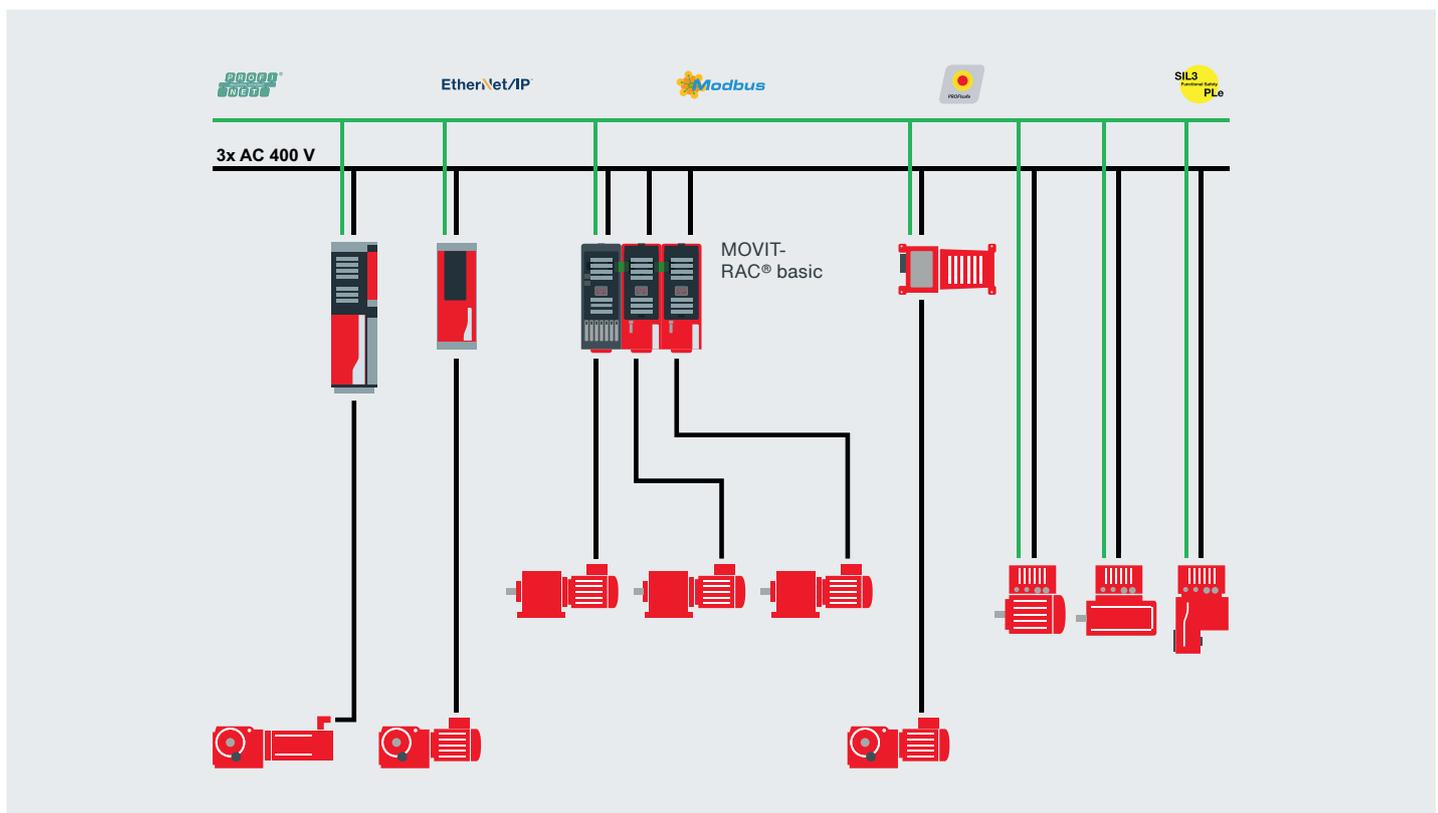
MOVITRAC® basic can be connected to standard control systems via optional fieldbus gateways\* and supports various fieldbus protocols.

**The new simplicity – as a result, it is easy to integrate the frequency inverter into many machinery or system topologies.**

Options

- PROFINET
- EtherCAT®
- EtherNet/IP™
- Modbus TCP

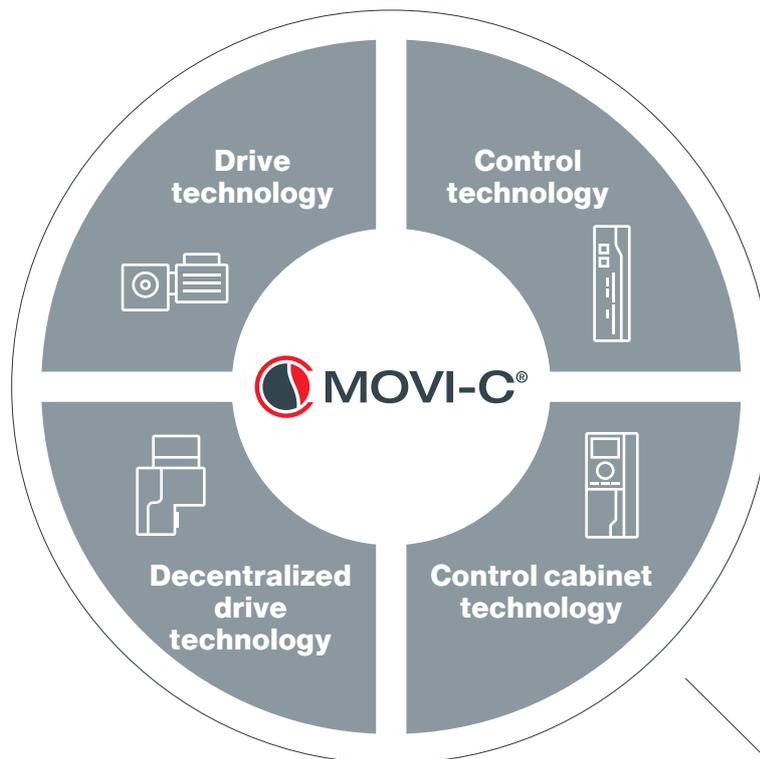
\* in preparation



Topology of a typical materials handling application

# MOVI-C®

**The modular automation system**  
for complete solutions from a single source



MOVITRAC® basic is part of the MOVI-C® modular automation system

## 3 × 3 reasons to use MOVI-C®

### **Simplicity**

THREE steps: Plan – Connect – Move

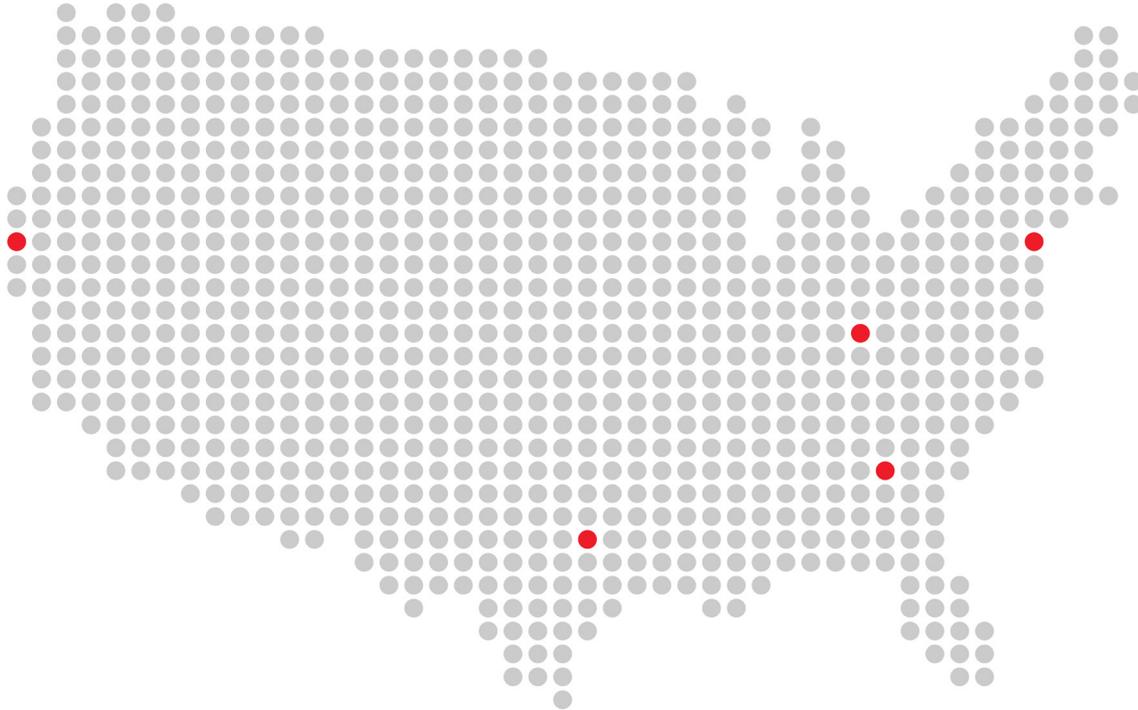
### **Future-proofing**

THREE promises: Customized solutions – Today – and Tomorrow

### **Consulting and service**

THREE success factors: Delivery capability – Consulting – Worldwide





## U.S. locations

### U.S. Headquarters/Southeast Region

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