



# Powerdrive MD Smart



Highpower variable speed drives  
Interactive configuration, supervision and  
diagnostic via the Systemiz app

LERROY-SOMER™

**Nidec**  
All for dreams

# Powerdrive MD Smart, the 100%-connected drive



Nidec Leroy-Somer presents **Powerdrive MD Smart**, the new generation of highpower drives with a new large format Android user interface and secure Bluetooth connection.

They are connected and smarter thanks to the jointly-developed **Systemiz** app, offering a multitude of services and enhancing the user experience.

The interactivity of the package provides greater responsiveness, remote or on-site self-diagnostic capability, and easier integration within your systems.

The **Powerdrive MD Smart** is, among other things, perfectly suited to optimise the performance of the new Nidec Leroy-Somer **Dyneo+** IE5 Super Premium efficiency motor.

## Systemiz : a unique all-in-one app!

### Product library

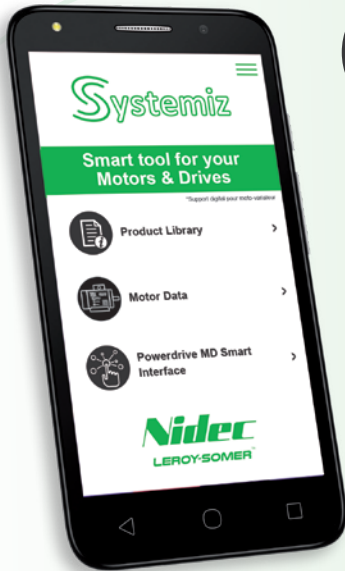
- Enjoy immediate access to all product documentation (brochures, manuals, certificates, etc.)
- Find your nearest contact in just a few clicks
- Share the documentation or save the URL for later use

### Motor data

- Identify the motor via the QR code on the nameplate
- Choose your motor configuration (coupling) and display the data required to quickly set up your drive
- Print, share or save all your data

### Powerdrive MD Smart interface

- Set up interactively and intuitively using the start-up wizard
- Automatically load motor parameters (electrical characteristics and options) by scanning the QR code
- Fully configure your operator interface
- Benefit from innovative diagnostic tools

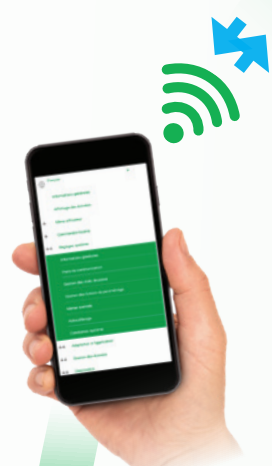
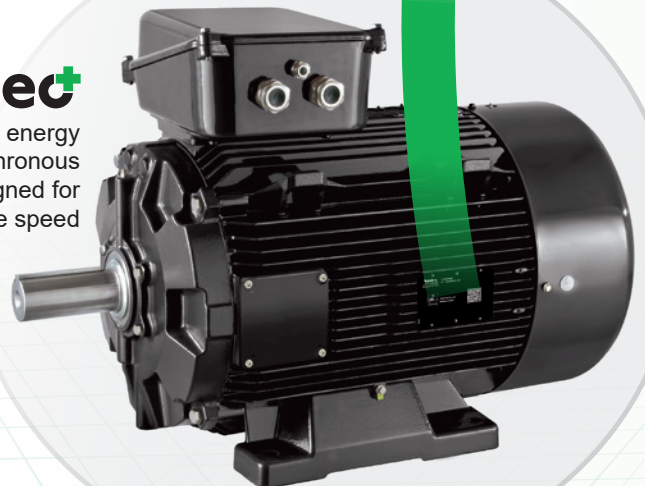


- The **Systemiz** app is available on all **iOS**, **Android** or **Windows PC** platforms, or on the new 7" **HMI** installed on the front panel of the drive.



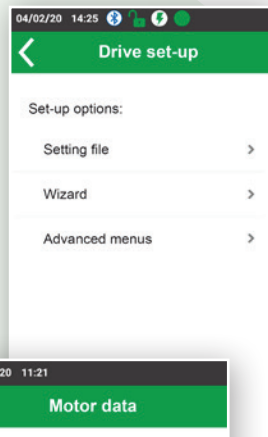
## Dyneo+

Ultra-high energy efficiency synchronous motors designed for variable speed





# Drive via Systemiz



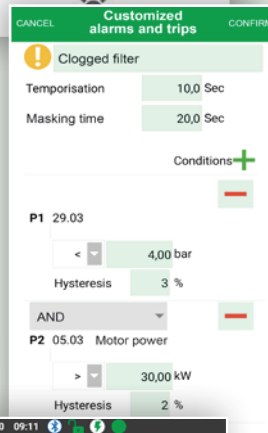
## Start-up wizard

- Intuitive and interactive set-up based on a questionnaire linked to the app
- Clear menu organization and browsing suited to drive non-specialists



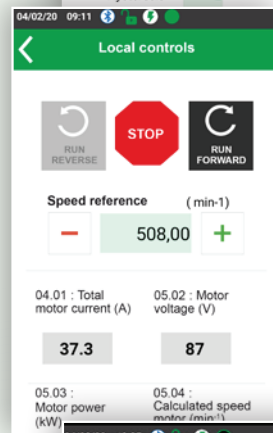
## Simplified motor-drive association

- Electrical data and motor options filled in automatically by QR code
- Where no QR code is available, set-up wizard adapted to each technology



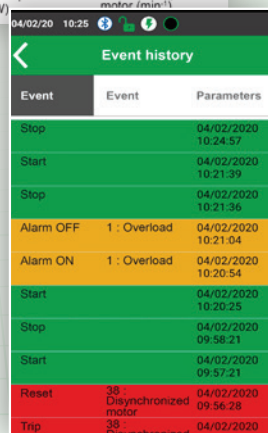
## Smart alarms generation

- Operating drift notification
- Setting alarms or trips that can combine up to 5 simultaneous conditions



## Fully configurable operator interface

- Total flexibility in the choice of settings to display: number, size or format
- Creation of several interfaces selectable from drop-down list



## Innovative cutting-edge diagnostic tools

- Time-stamped recording of the last 100 events (ON/OFF, alarms, trips)
- For each of the last 10 trips, indication of the cause of the most probable fault and graph of the main operating parameters recorded before tripping

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