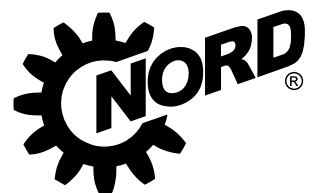




# Synchronous motor with IE5+ energy efficiency

Efficient and compact



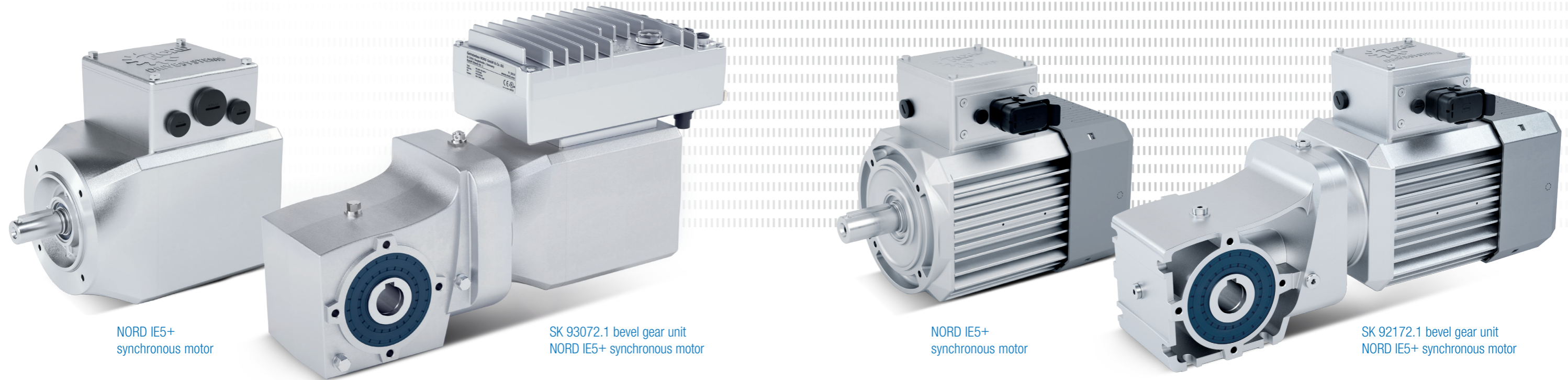
**DRIVESYSTEMS**

Our Solution. Your Success.

# Synchronous motor with IE5+ energy efficiency

The new IE5+ motor generation is especially suitable for reducing operating costs

- ▶ Highest operational efficiency with IE5 technology
- ▶ Reduced TCO and fast ROI
- ▶ Reduced number of versions through constant torque over a wide speed range
- ▶ Fully matched NORD modular system solution with inverter, gear unit and motor



NORD IE5+ synchronous motor

SK 93072.1 bevel gear unit  
NORD IE5+ synchronous motor

NORD IE5+ synchronous motor

SK 92172.1 bevel gear unit  
NORD IE5+ synchronous motor

## Features

- ▶ Latest generation permanent magnet synchronous motor (PMSM)
- ▶ Power range from 0.35 to 4.0 kW in two sizes
- ▶ IEC B14 flange mounting, IEC B5 flange mounting, NEMA C-face flange mounting, direct mounting to all NORD gear units
- ▶ Continuous torque of 1.6 to 18.2 Nm in two sizes
- ▶ Speed range from 0 to 2,400 rpm
- ▶ Optionally with nsd tupH surface treatment and IP69K protection class
- ▶ Optional encoder integrated into the motor, optional integrated mechanical brake

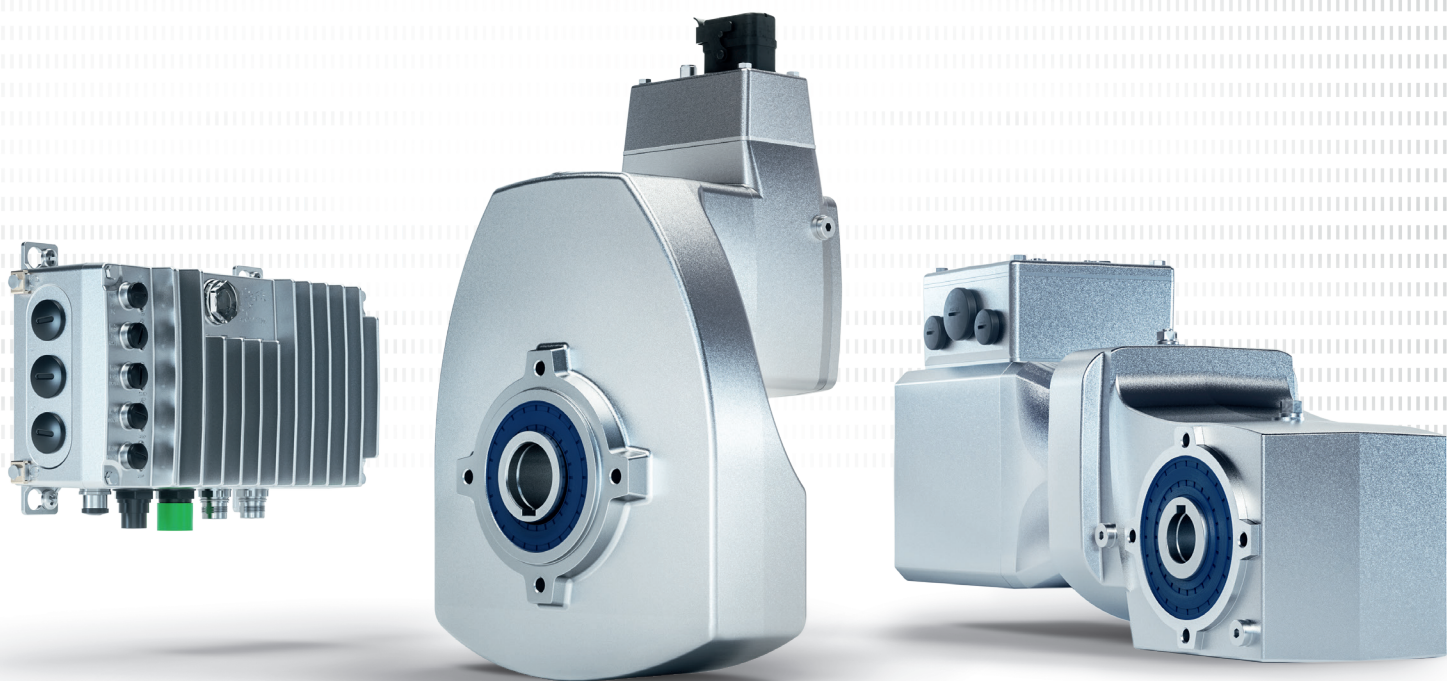
## Version reduction

By way of a targeted reduction of versions, it is possible to minimise administrative expenses and to set up leaner manufacturing, logistics, storage and service processes. The new generation of IE5+ motors combines the benefits of the modular system with the possibilities of reducing variants. The solution will be tailored to each customer and features the following advantages:

- ▶ Motor can be operated worldwide
- ▶ Utilisation of the high system overload capacity
- ▶ Large adjustment range
- ▶ Explicitly tailored to the individual load range
- ▶ Minimal space requirements paired with high power density

# ALL-ROUNDERS FOR ALL-AROUND COMPATIBILITY.

Innovative, compatible, future-proof:  
DuoDrive, IE5+ and NORDAC *ON*.



For more information:



M5000  
Synchronous motors IE5+



G5000  
Geared motors with IE5+



G5010  
DuoDrive

## NORD DRIVESYSTEMS Group

- ▶ Family business from Bargteheide near Hamburg with 4,900 employees
- ▶ Drive solutions for more than 100 branches of industry
- ▶ 7 production locations worldwide
- ▶ Present in 98 countries on 5 continents
- ▶ More information: [www.nord.com](http://www.nord.com)

### Headquarters:

Getriebbau NORD GmbH & Co. KG  
Getriebbau-Nord-Str. 1  
22941 Bargteheide, Germany  
T: +49 45 32 / 289 0  
F: +49 45 32 / 289 22 53  
[info@nord.com](mailto:info@nord.com)