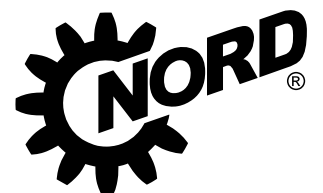




# Synchronous Motor with IE5+ Energy Efficiency

Efficient and compact



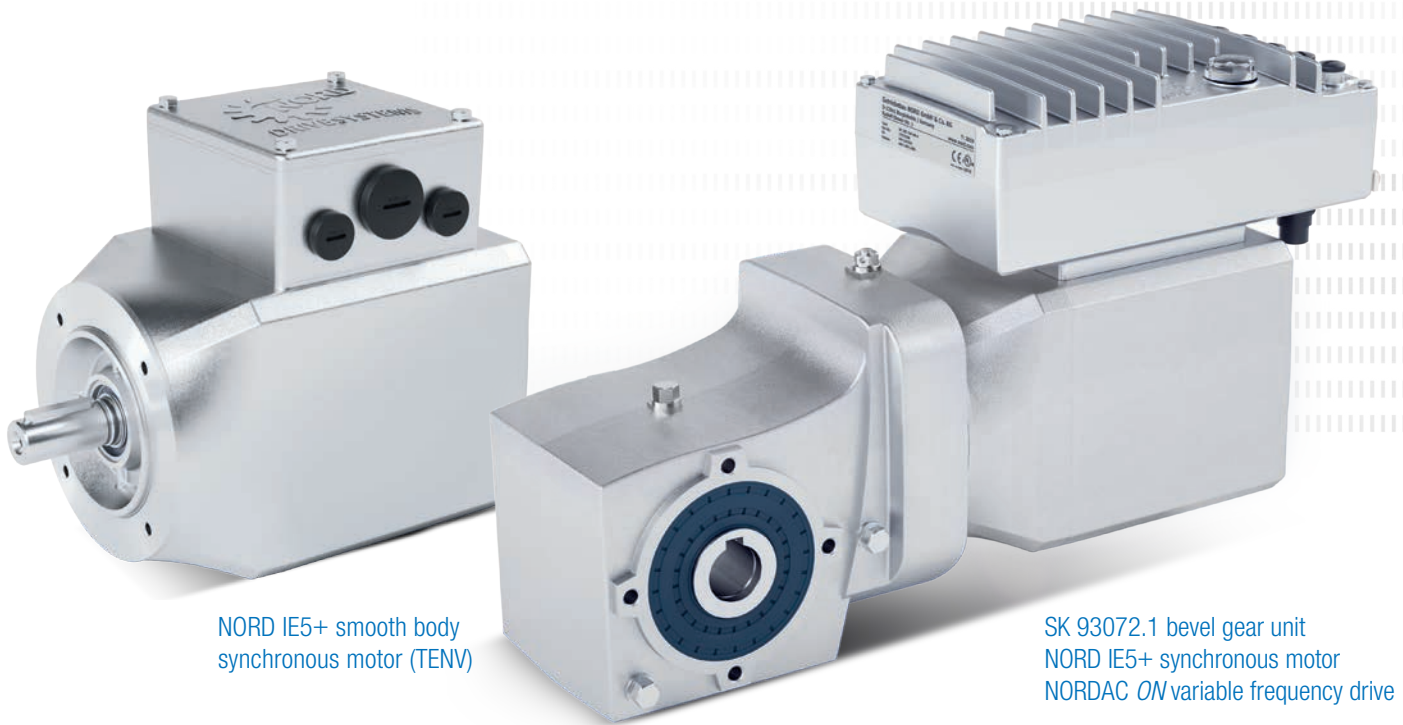
**DRIVESYSTEMS**

Our Solution. Your Success.

# Synchronous Motor with IE5+ Energy Efficiency

The new IE5+ motor generation is designed for minimizing variants and reducing operating costs

- ▶ Highest operational efficiency with IE5+ technology
- ▶ Variant reduction and constant torque over a wide speed range
- ▶ Consistent efficiency even at partial load and low speed ranges
- ▶ Reduced TCO and fast ROI
- ▶ Fully matched NORD modular system solution with gear unit, motor, and variable frequency drive

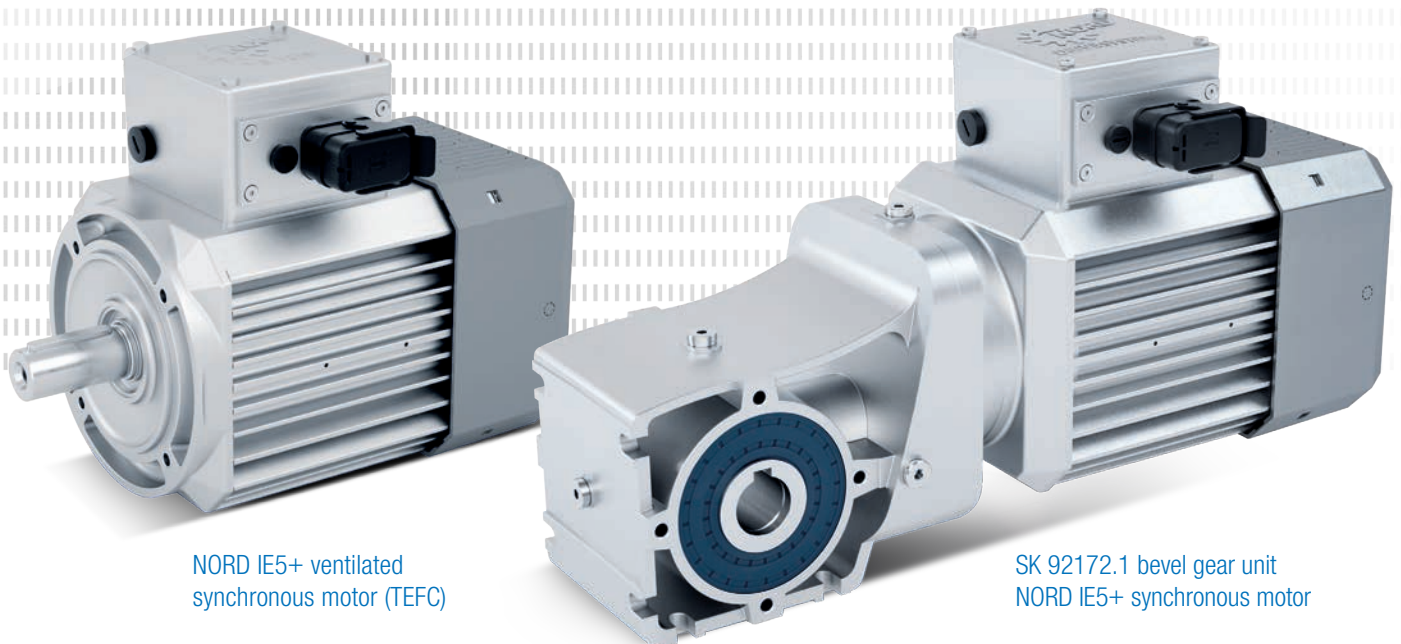


NORD IE5+ smooth body synchronous motor (TENV)

SK 93072.1 bevel gear unit  
NORD IE5+ synchronous motor  
NORDAC *ON* variable frequency drive

## Features:

- ▶ Latest generation permanent magnet synchronous motor (PMSM)
- ▶ Two case sizes (71, 90) with:
  - ▶ Power range: Ventilated (TEFC): 0.50 – 5.00 hp
  - ▶ Non-ventilated (TENV): 0.50 – 3.00 hp
  - ▶ Continuous torque from 14 – 130 lb-in
- ▶ Speed range from 0 – 2,400 rpm
- ▶ Available with direct mounting to all NORD gear units, NEMA C-face, IEC B14, and IEC B5 flange mounting
- ▶ Optional IP69K protection class
- ▶ Optional integrated encoder
- ▶ Optional integrated mechanical brake



NORD IE5+ ventilated  
synchronous motor (TEFC)

SK 92172.1 bevel gear unit  
NORD IE5+ synchronous motor

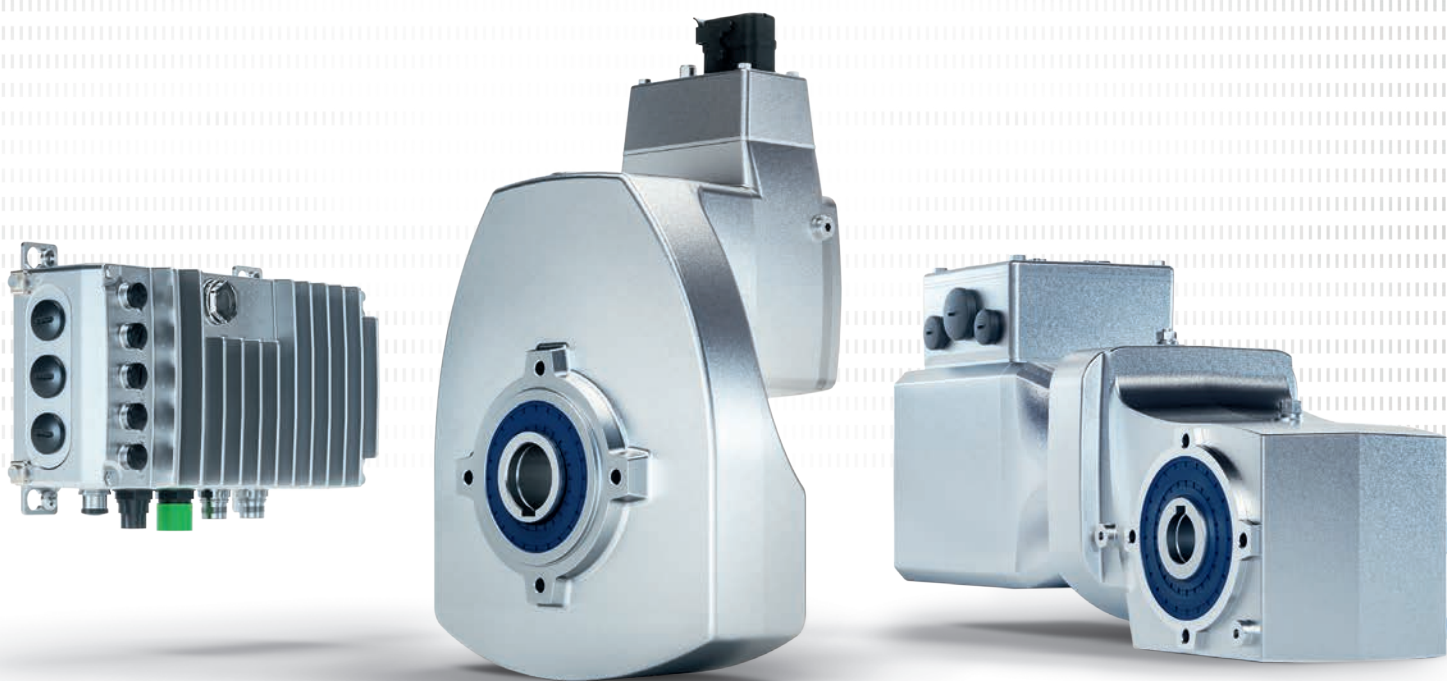
## Variant Reduction

By reducing the number of variants, it is possible to minimize administrative expenses and set up leaner manufacturing, logistics, storage, and service processes. The new generation of IE5+ motors combines the benefits of NORD's modular system with the possibility of reducing system variants. This solution is tailored to each customer and features the following advantages:

- ▶ Motors meet all international standards and can be operated worldwide
- ▶ High system overload capacity
- ▶ Wide speed range
- ▶ Compact footprint with high power density

# INNOVATIVE, EFFICIENT SOLUTIONS FOR ALL-AROUND COMPATIBILITY.

Innovative, Compatible, Future-Ready:  
DuoDrive, IE5+, and NORDAC *ON/ON+*.



For more information:



M5000  
Synchronous  
Motors IE5+



G5000  
Geared Motors  
with IE5+



G5010  
DuoDrive

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