

**DuoDrive with
Energy Efficiency IE5+**
Integrated Gear Unit & Motor



DuoDrive – Integrated Geared Motor Concept

The new DuoDrive with integrated IE5+ synchronous motor brings a new era of energy efficiency and easy system maintenance.

- ▶ Extremely high system efficiency of up to 92%
- ▶ Reduced Total Cost of Ownership (TCO) and fast Return on Investment (ROI)
- ▶ Variant reduction through constant motor torque over a wide speed range
- ▶ Compact design for easy installation and space utilization
- ▶ Hygienic, smooth body for wash-down environments
- ▶ Industry-standard mounting dimensions
- ▶ Quiet operation

Features

- ▶ Latest generation permanent magnet synchronous motor (PMSM) integrated into a single-stage helical gear unit housing
- ▶ Power range from 0.5 to 4 hp in a single frame size
- ▶ Flexible attachment options:
 - ▶ B5 flange (diameter 160 mm)
 - ▶ B14 flange (diameter 160 or 200 mm)
 - ▶ Torque arm, shrink disc, and GRIPMAXX™
- ▶ Wide variety of motor connectivity options such as HANQ8/HAN10E plug connectors, round connectors, or directly wired
- ▶ Optional holding brake or integrated encoder system

The perfect system solution combined with NORD drive electronics

- ▶ NORDAC *PRO* for control cabinet installations
NODAC *LINK*, *FLEX*, and *ON+* for decentralized and wall mounting installations
- ▶ Suitable system wiring:
 - ▶ Motor connection
 - ▶ Mains supply
 - ▶ Signal connection
- ▶ Together with perfectly matched drive electronics, NORD DuoDrive is the perfect solution for high power requirements and outstanding system efficiency



Variant Reduction

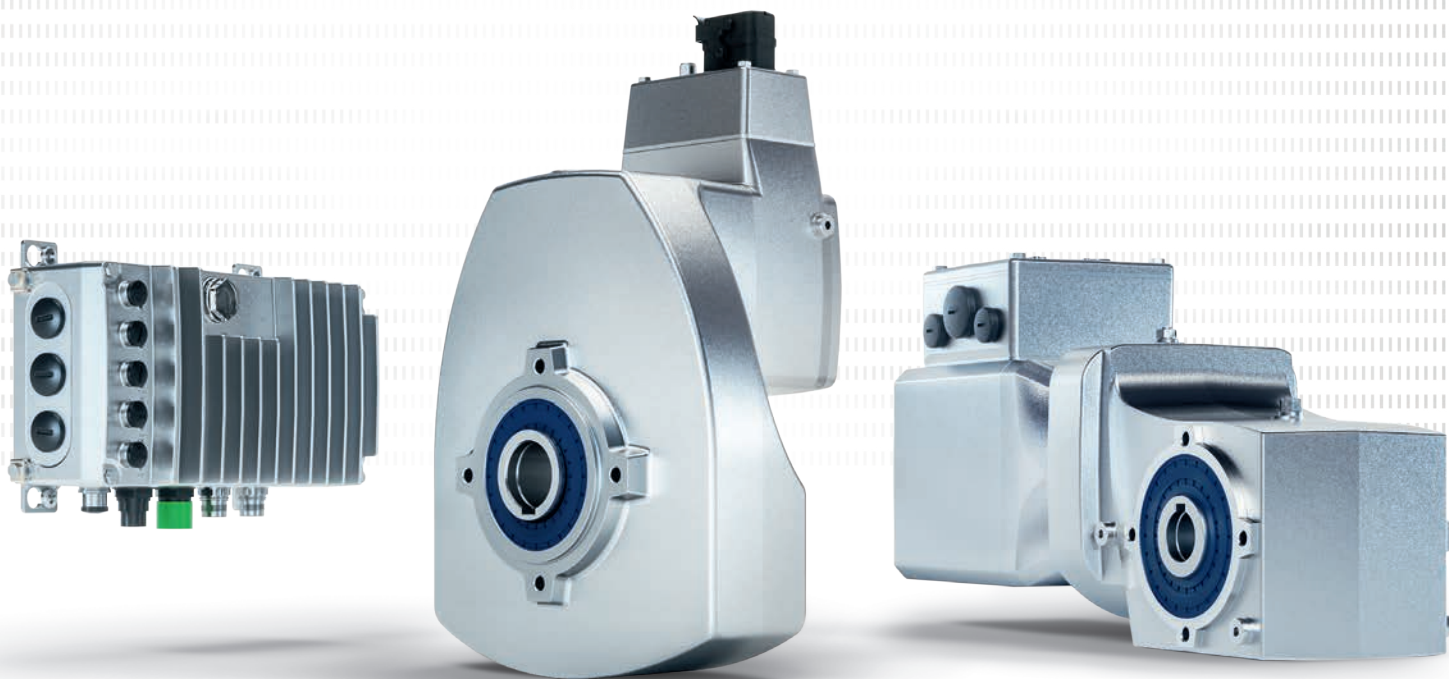
By reducing the number of variants, it is possible to minimize administrative expenses and set up leaner manufacturing, logistics, storage, and service processes. The new generation of IE5+ motors combines the benefits of NORD's modular system with the possibility of reducing system variants. This solution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

- ▶ Motor can be operated worldwide
- ▶ High system overload capacity
- ▶ Large speed range at constant motor torque
- ▶ Explicitly tailored to the individual load range
- ▶ Minimal space requirements paired with high power density
- ▶ Reduced spare part inventory



INNOVATIVE, EFFICIENT SOLUTIONS FOR ALL-AROUND COMPATIBILITY.

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



For more information:



S9012 –
IE5+ motor



TI 60-0001

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