

**OVER 70,000
UNITS SOLD IN THE
AIRPORT INDUSTRY**

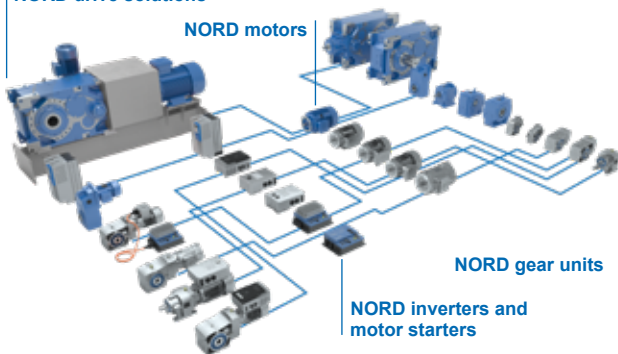


Intelligent Drivesystems | Worldwide Services

LogiDrive®

THE IDEAL SOLUTION FOR INTRALOGISTICS AND AIRPORT APPLICATIONS

NORD drive solutions



ENERGY EFFICIENT

- Meets or exceeds global efficiency standards
- Considerable reduction of total cost of ownership
- Efficient operation even at partial load and low speed applications common in airport industry

VARIANT REDUCTION

- Standardization of gearmotors for intralogistics and airport applications
- Easy Engineering
- Easy Selection
- Large speed range through inverter technology

SERVICE AND MAINTENANCE FRIENDLY

- Reduced spare part inventory
- Quick commissioning with plug-and-play technology
- Compact, space-saving design
- 25% weight reduction with lightweight aluminium housing
- Efficient component replacement thanks to modular design

GLOBAL PRESENCE

- NORD DRIVESYSTEMS® is represented in 98 countries throughout the world.
- Global production, assembly, service and sales network

NORD DRIVESYSTEMS® Group

Headquarters and technology center
in Bargteheide, near Hamburg

Innovative drive solutions
for countless applications in more than 100 industries

Mechanical gear products
Parallel shaft, helical in-line, bevel and worm gear units

Electrical products
High-performance motors (IE1, IE3 & IE4)

Electronic products
Centralized and decentralized frequency inverters
and motor starters


7 production locations with cutting edge technology
for all drive components


**Subsidiaries and sales partners
in 98 countries on 5 continents**
provide local inventory, assembly, technical support
and industry-leading customer service.


More than 3,900 employees throughout the world
create customized, engineered solutions.

Locate your NORD sales representative or authorized
product distributor: www.nord.com/locator

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Members of the NORD DRIVESYSTEMS® Group







**ENERGY EFFICIENT
STANDARDIZED
SERVICE FRIENDLY**



COMPLETE DRIVE SOLUTIONS FOR INTRALOGISTICS AND AIRPORTS

LogiDrive®

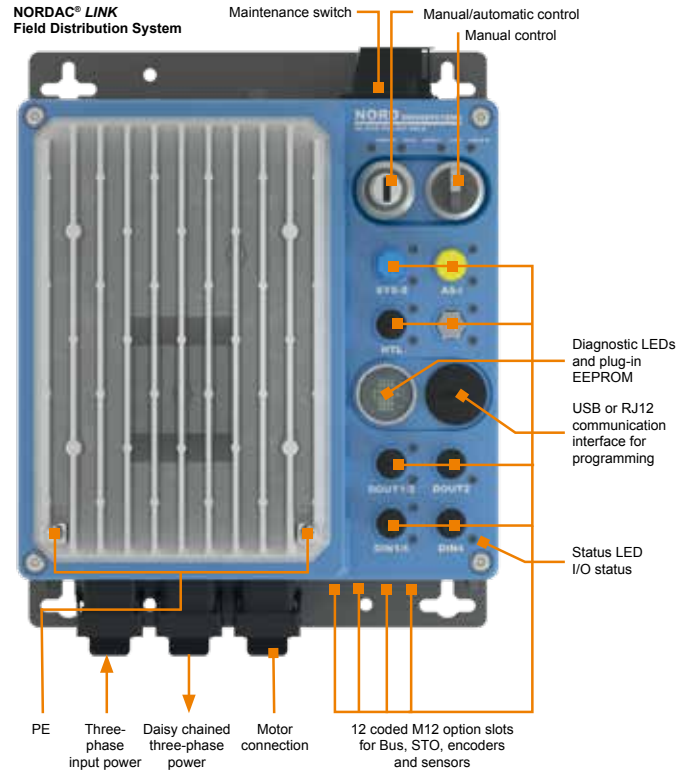


- Efficient two-stage bevel gearbox
- IE4 permanent magnet synchronous motor
- Power plug connector
- M12 connectors
- Incremental encoder
- Pre-assembled cables
- High overload capacity
- Standardized hollow shaft diameters

The LogiDrive® solution from NORD DRIVESYSTEMS® reduces engineering and commissioning effort:

- NORD inverters for intralogistics and airport applications control with synchronous and asynchronous motors.
- Easy engineering with the same housing dimensions on synchronous and asynchronous motors.

COMPARISON		
Motor frame size	IE3 asynchronous	IE4 synchronous
Size 80	1.0 hp (0.75 kW)	1.5 / 2.0 hp (1.1 / 1.5 kW)
Size 90	1.5 / 2.0 hp (1.1 / 1.5 kW)	2.0 / 3.0 / 4.0 hp (1.5 / 2.2 / 3.0 kW)
Size 100	3.0 / 4.0 hp (2.2 / 3.0 kW)	4.0 / 5.0 / 7.5 hp (3.0 / 4.0 / 5.5 kW)



The field distributor NORDAC® LINK up to 10 hp (7.5 kW)

- Internal or external brake resistor
- External 24V DC power supply for the control board. This ensures the same potential for all drive units.
- The drive units can be accessed via the bus even without the 400V supply voltage, as the control board remains active due to the 24V DC supply.
- Decentralized installation close to the motor
- Plug-in EEPROM
Data can be transferred if servicing is required.

THE IE4 DRIVE ENERGY EFFICIENT

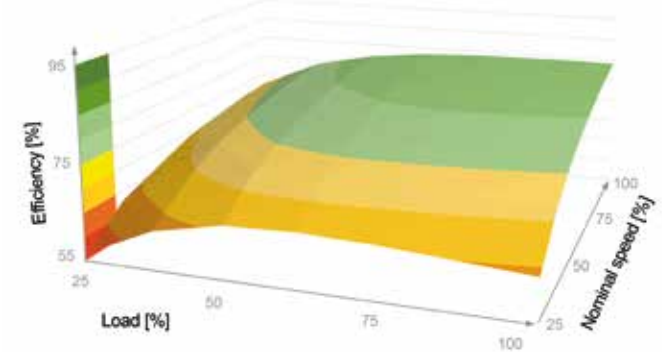
The use of IE4 synchronous motors minimizes overall life cycle costs. The NORD IE4 motor is considerably more efficient and has a shorter pay back period (ROI).



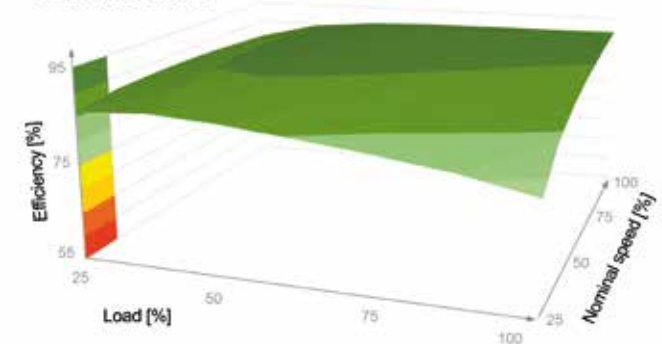
Efficiency, load and speed of IE4 motors compared to IE3 motors

IE4 synchronous motors are considerably more efficient than IE3 asynchronous motors and reduce energy costs.

IE3 drive units



IE4 drive units



3D diagram: efficiency, load and speed