



Energy-efficient NORD drive solutions offer great potentiality for savings in internal conveyor technology and goods handling in trade and industry.

Realisation of energy savings through super premium efficiency IE5+ synchronous motors

- ▶ Compliant with the most stringent efficiency regulations
- ▶ Considerable TCO reduction

LogiDrive®



- ▶ High efficient 2-stage bevel gear unit
- ▶ IE5+ PMSM synchronous motor
- ▶ Power plug connector
- ▶ Incremental encoder
- ▶ Pre-assembled cables
- ▶ Up to 300 % overload capacity possible

Meet the requirements of the industry

Realisation of energy savings

- ▶ Using high efficient IE5+ motors and helical bevel gear units

Reduction of variants by standardisation

- ▶ Using our substantial experience in the dimensioning of gearmotors and inverter, we are able to reduce the number of variants significantly. This leads to a reduction of spare parts.

Plug-and-Play installations

- ▶ Installation and replacement within minutes, using our pluggable system and preset parameters.

Easy maintenance and a global service network

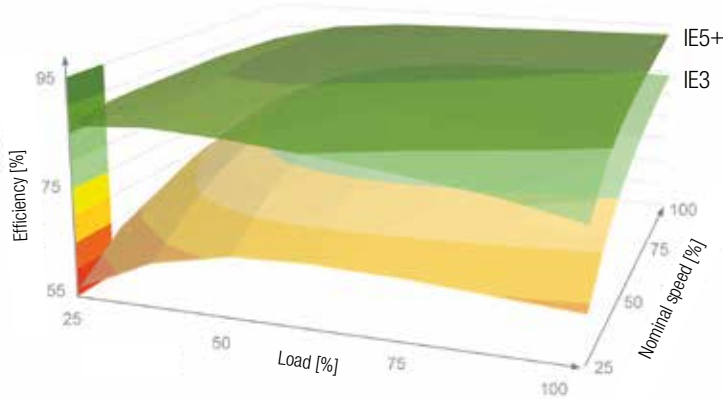
- ▶ NORD DRIVESYSTEMS is based in more than 98 countries with a comprehensive service network. Due to our modular solution, service remains as easy as possible.
- ▶ Individual and easy replacement by usage of NORD modular system

Total Cost of Ownership (TCO)

- ▶ Maint target the reduction of the TCO through the holistic consideration of capital expenditures (CAPEX) and operational costs (OPEX).



IE5+ permanent magnet synchronous motors



3D diagram: efficiency, load and speed

- ▶ IE5+ synchronous motors make standardisation reasonable and lead to a higher efficient system.
- ▶ Even in applications with partial load and partial speed IE5+ motors are high efficient.



Helical bevel gear units

- ▶ Highest efficient right-angle gear
- ▶ Space saving
- ▶ Fits best into shape
- ▶ 25 % less weight
- ▶ From 50 – 660 Nm
- ▶ 0.12 – 9.2 kW
- ▶ Shafts compatible to competitors



NORDAC LINK Field distribution system



- ▶ Pluggable power – less wiring – quick / safe commissioning – daisy chaining
- ▶ Local control with key switch and manual start / stop switch
- ▶ Repair switch for disconnection of mains in service case
- ▶ Pluggable sensors / actors on-board
- ▶ STO on-board (optional, pluggable)
- ▶ Status indication for device, bus and I/Os
- ▶ Energy saving functions
- ▶ Integrated braking resistor
- ▶ Ethernet-fieldbus modules
- ▶ Wall mounting
- ▶ Flexible by the selection of needed functions considering the individual need of every customer
- ▶ No extra cabinet needed for switches etc.

NORD DRIVESYSTEMS Group

- ▶ Family business from Bargteheide near Hamburg with more than 4,100 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

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