

## NORDAC *ON* (SK 300P series)

Compact – Focused – Powerful



# NORD DRIVESYSTEMS

## NORDAC ON

### Features

- ▶ Plug-&-Play for fast commissioning
  - ▶ Full plug-in capability
  - ▶ Standardized VFD
- ▶ Future security
  - ▶ IIoT-capability
  - ▶ Firmware update via Ethernet
  - ▶ Integrated PLC
- ▶ Variant reduction
  - ▶ Drives usable over a wide speed range
  - ▶ Integrated Industrial Ethernet Interfaces switchable via parameters

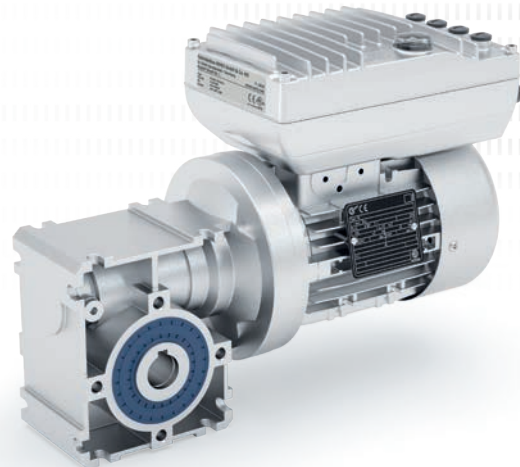


- ▶ Optimized construction
  - ▶ Very compact design
  - ▶ Space-saving through integration of Ethernet communication
- ▶ Encoder interface for NORDAC ON+
- ▶ Optional functional safety: STO from size 2
- ▶ Optional internal braking resistors from size 2
- ▶ Diagnostic interface for parameterization units or NORDAC ACCESS BT
- ▶ Integrated brake control from size 2
- ▶ Integrated temperature monitor (TF)

## NORDAC ON SK 30xP

Industry: Warehouse

Power: 0.50 – 3.50 hp  
 Input voltage: 3 ~ 460 V  
 Supply voltage: 24 V DC external  
 Overload capacity: 150% for 60 s, 200% for 5 s, 250% for 1 s  
 Ambient temperature: -30...+40° C (S1)  
 Protection class: IP55/IP66



Motor	Size 1	Size 2	Size 3
63 LP/4 – 2600 r/min	10.6 lb-in – 0.50 hp	10.6 lb-in – 0.50 hp*	
71 SP/4 – 2600 r/min	14.2 lb-in – 0.60 hp	14.2 lb-in – 0.60 hp*	
71 LP/4 – 2600 r/min		21.2 lb-in – 1.00 hp	
80 SP/4 – 2600 r/min		31.9 lb-in – 1.27 hp	
80 LP/4 – 2600 r/min			43.4 lb-in – 1.75 hp
90 SP/4 – 2600 r/min			62.8 lb-in – 2.50 hp
90 LP/4 – 2600 r/min			86.7 lb-in – 3.50 hp

\* These VFD - motor combinations are possible when functions such as brake control or SK CUG-STO / internal braking resistor are required.

## NORDAC ON+ SK 31xP

Industry: Intralogistics

Power: 0.50 – 4.00 hp

Input voltage: 3 – 460 V

Supply voltage: 24 V DC external

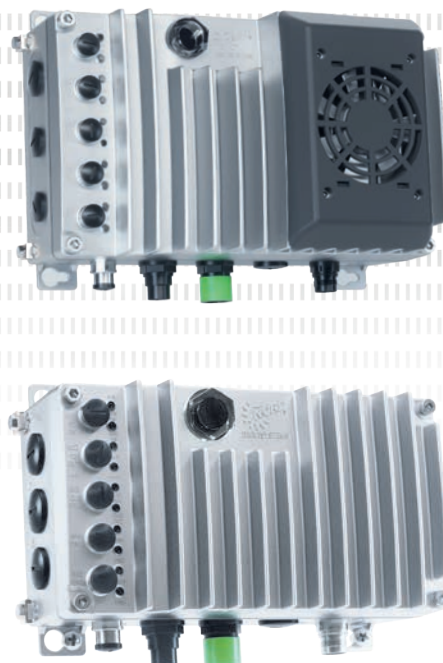
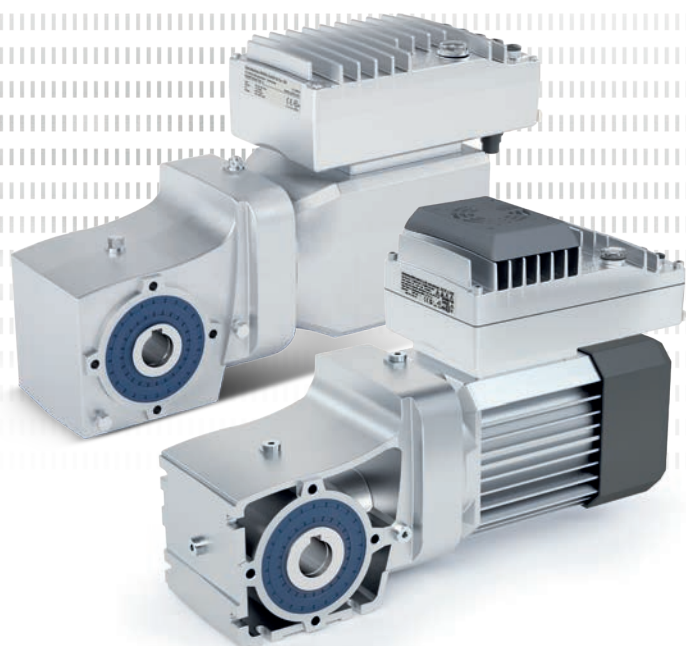
Overload capacity: 150% for 60 s, 200% for 5 s

Ambient temperature: -30...+40°C (S1)

Protection class: IP55/IP66

## Wall Mounting

- ▶ Can be used for NORDAC ON and NORDAC ON+
- ▶ Range of functions similar to the motor-mounted VFD



Motor (non-ventilated)	Size 2	Size 3
IE5+ SK 71 N1/8 – 2100 r/min	14.2 lb-in – 0.50 hp	
IE5+ SK 71 N2/8 – 2100 r/min	28.3 lb-in – 1.00 hp	
IE5+ SK 90 N1/8 – 2100 r/min		44.3 lb-in – 1.50 hp
IE5+ SK 90 N2/8 – 2100 r/min		60.2 lb-in – 2.00 hp

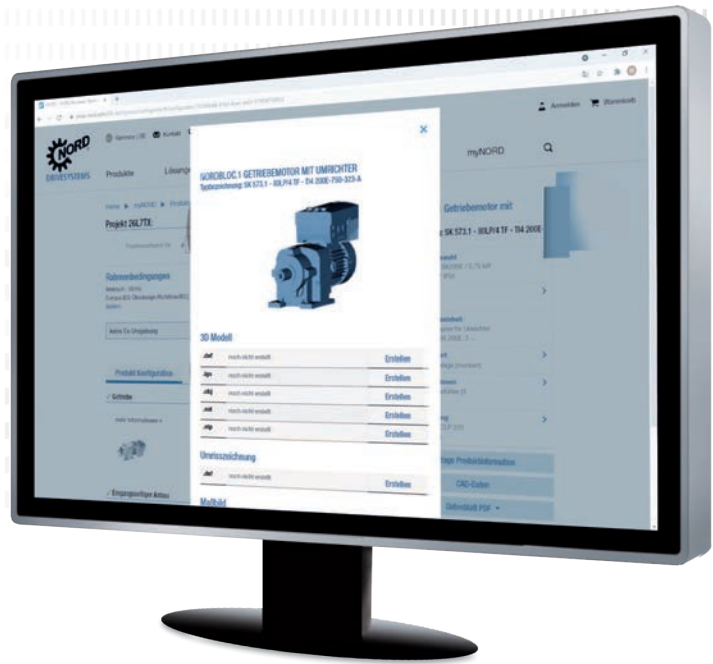
Motor (ventilated)	Size 2	Size 3
IE5+ SK 71 F1/8 – 2400 r/min	17.7 lb-in – 0.75 hp	
IE5+ SK 71 F2/8 – 2400 r/min	33.6 lb-in – 1.27 hp	
IE5+ SK 90 F1/8 – 2400 r/min		53.1 lb-in – 2.00 hp
IE5+ SK 90 F2/8 – 2400 r/min		77.9 lb-in – 3.00 hp
IE5+ SK 90 F3/8 – 2400 r/min		105.3 lb-in – 4.00 hp



<https://www.nord.com/us/products/drive-electronics/decentralized-drive-solutions/sk-300p-nordac-on-on-variable-frequency-drive.jsp>

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