NORDAC ON (SK 300P series)
Compact – Focused – Powerful
NORDAC ON

Target industry: Warehouse

- Power: 0.37 – 2.6 kW
- Mains voltage: 3 – 400 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

Features
- Plug-and-play for fast commissioning
- Full plug-in capability
- Standardised inverter
- Future-proof
- IoT-capability
- Firmware update via Ethernet
- Integrated PLC
- Reduction of variants
- Drives usable over a wide speed range
- Integrated industrial Ethernet interfaces switchable via parameters
- Optimised design
- Very compact design
- Space-saving due to integration of Ethernet communication
- Encoder interface for NORDAC ON+ and NORDAC ON PURE
- Optional functional safety: STO from size 2 (for NORDAC ON PURE on request)
- Optional internal braking resistor from size 2
- Diagnostic interface for parametrisation units or NORDAC ACCESS BT
- Integrated brake control from size 2
- Integrated thermostat (TF)

Additional features NORDAC ON PURE
- One cable connection

Motor (unventilated) Size 1 | Size 2 | Size 3
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IE5+ SK 71 N1/8 – 2,100 rpm | 1.6 Nm – 0.35 kW | 4.9 – 1.3 kW
IE5+ SK 71 N2/8 – 2,100 rpm | 3.2 Nm – 0.70 kW | 7.1 – 1.9 kW
IE5+ SK 90 N1/8 – 2,100 rpm | 5.0 Nm – 1.10 kW | 9.8 – 2.6 kW
IE5+ SK 90 N2/8 – 2,100 rpm | 6.8 Nm – 1.50 kW |

Motor (ventilated) Size 1 | Size 2 | Size 3
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IE5+ SK 71 F1/8 – 2,400 rpm | 2.0 Nm – 0.50 kW |
IE5+ SK 71 F2/8 – 2,400 rpm | 3.8 Nm – 0.95 kW |
IE5+ SK 90 F1/8 – 2,400 rpm | 6.0 Nm – 1.50 kW |
IE5+ SK 90 F2/8 – 2,400 rpm | 8.8 Nm – 2.20 kW |
IE5+ SK 90 F3/8 – 2,400 rpm | 11.9 Nm – 3.00 kW |

Motor Size 2 | Size 3
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IE5+ SK 71 N1/8 – 2,100 rpm | 1.6 Nm – 0.35 kW
IE5+ SK 71 N2/8 – 2,100 rpm | 3.2 Nm – 0.70 kW
IE5+ SK 90 N1/8 – 2,100 rpm | 5.0 Nm – 1.10 kW
IE5+ SK 90 N2/8 – 2,100 rpm | 6.8 Nm – 1.50 kW
IE5+ SK 90 N3/8 – 2,100 rpm | 11.9 Nm – 3.00 kW

Notes:
- These frequency inverter-motor combinations are possible if functions such as brake control or the installation of the SK CU6-STO or internal braking resistor are required.
Wall mounting

- Usable for NORDAC ON, ON+ and NORDAC ON PURE.
- Range of functions as with the motor-mounted inverter.


NORD DRIVESYSTEMS Group

- Family business from Bargteheide near Hamburg with 4,900 employees
- Drive solutions for more than 100 branches of industry
- 7 production locations worldwide
- Present in 98 countries on 5 continents
- More information on: www.nord.com

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