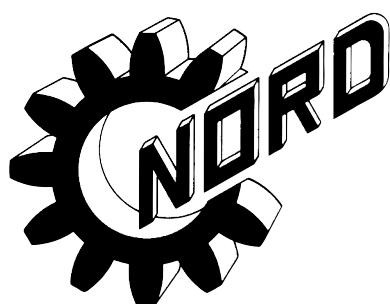


# NORDAC SK 700E

Frequency Inverter

F 3070 (GB)



# NORDAC

## Our flexible High-

### Many standard features

The NORDAC SK 700E is a flexible frequency inverter fitting a wide range of applications. Pre-engineered option modules fit conveniently inside the housing to serve applications ranging from simple speed control to complex positioning jobs.

High performance is ensured even with the standard functions:

- no-sensor current control for torques of up to 400 %
- integrated line filter for class A EMC standard (up to 22kW)
- 4 parameter sets, online switchable
- a brake chopper for dynamic electrical braking preventing wear of the mechanical brakes
- the modular construction allows for customizing the unit with no extra space being required
- automatic identification of the modules
- connection to widely used field bus systems

Technical data	
Output frequency	0 ...400Hz
Typical overload	150% for 60s, 200% for 5s
Protection against	overtemperature, over-/undervoltage, short circuit, ground fault, overload, no-load
Control modes	no-sensor vectorial current control (ISD), linear v/f characteristic, encoder feedback
Motor control	temperature (PTC, I <sup>2</sup> t), current, torque
Ambient temperature	0 - 50°C
Type of enclosure	IP 20

Type designation SK 700E...	-151-340-A	-221-340-A	-301-340-A	-401-340-A	-551-340-A	-751-340-A	-112-340-A	-152-340-A	-182-
Motor rating	1.5kW/2hp	2.2kW/3hp	3.0kW/4hp	4.0kW/5hp	5.5kW/7.5hp	7.5kW/10hp	11kW/15hp	15kW/20hp	18.5kW
Rated output current	3.6A	5.2A	6.9A	9.0A	11.5A	15.5A	23A	30A	38A
Supply voltage	3 ~ 380-460V, -20% / +10%, 47-63Hz (adjustable to 3 ~ 230V)								
Typ. input current	6A	8A	11A	13A	17A	21A	30A	42A	50A
Brake resistor rating	200 Ohms		100 Ohms		60 Ohms		30 Ohms		
Type of ventilation	convection cooling			fan, temperature-controlled					
Size length, width, depth	281 x 123 x 219 mm				331 x 123 x 219 mm		386 x 167 x 255 mm		431



# SK 700E

## Performance- Drive



### Wide-ranging extension options

#### Technology boxes

Modules with which to start up and control the inverter, including a simple potentiometer box, a conveniently operated clear text control panel, and access modules for field bus connection.

#### Customer interfaces

I/O boards enabling digital and analogue interface, or communication with the inverter via field bus.

#### Special extensions

For high-precision axis control (servo-type inverter) based on information fed back by incremental or absolute value encoders. Speed control (from  $n=0$ ) or position control (up to 252 stored positions) will be extremely accurate as a result.

### Other accessories

- input / output chokes
- brake resistors
- line filters class B

Varied accessories are available, e.g. to reduce harmonics in the mains voltage, to enable very long motor cables to be used, for operation of hoisting gear / clogged drives or in residential areas.

340-A	-222-340-A	-302-340-0	-372-340-0	-452-340-0	-552-340-0	-752-340-0	-902-340-0	-113-340-0	-133-340-0	-163-340-0*
15kW/25hp	22kW/30hp	30kW/40hp	37kW/50hp	45kW/60hp	55kW/75hp	75kW/100hp	90kW/125hp	110kW/150hp	132kW/175hp	160kW/200hp
5A	45A	57A	68A	81A	103A	133A	158A	193A	230A	280A
3 ~ 380-460V, -20% / +10%, 47-63Hz										
5A	56A	70A	88A	105A	125A	172A	200A	240A	280A	340A
22 Ohms	12 Ohms		8 Ohms			6 Ohms		3 Ohms		
fan										
201 x 268 mm	599 x 263 x 263 mm					736x263x336 mm	1207 x 354 x 263 mm			

\* only for VT applications

# Intelligent drive equipment from the technological leader

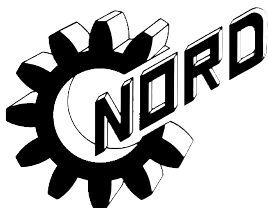
Our technological leadership will be to your benefit, along with quality, product availability, service, and cost efficiency. Use the combined advantages of prompt delivery and efficient service ensured worldwide by 30 assembly shops. Compact mechanical components and intelligent electronics – get

**"all of it from a single source"!**

## NORD is a manufacturer of:

helical inline, helical parallel shaft, helical-bevel, worm and planetary gearboxes providing torques between 10 and 100,000 Nm, and of frequency inverters with outputs between 0.25 and 160 kW.

Optimise the performance of your system using NORD intelligent drive technology!



## Getriebebau NORD

GmbH & Co. KG

D-22934 Bargteheide · P.O.Box 1262  
D-22941 Bargteheide · Rudolf-Diesel-Str. 1  
Tel. 0 45 32 / 401-0 · Fax 0 45 32 / 401-253  
NORD Internet: <http://www.nord.com>

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