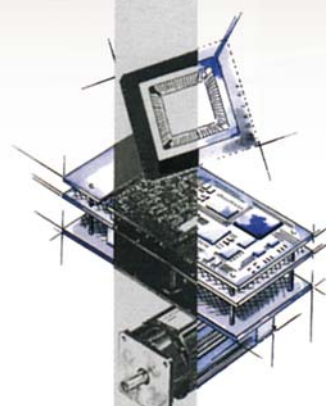


QAMC

J  
H  
N

**NOVOTRON**

für Dynamik und Bewegung







## Type definition

Type definition

Example: NHJ116C6-64S

NHJ = NOVOTRON Higher Inertia motor,  
116 = flange size squared in mm,  
C = length of motor,  
6 = number of poles,  
-64 = voltage gradient in Volt per 1000 rpm,  
S = sinusoidal EMF, feedback with resolver.

## Characteristics

- inertia values including feedback
- all torque values are valid for a winding temperature rise of 110°C
- TENV (IC400) (“totally enclosed non-ventilated”)
- for all data a tolerance of  $\pm 10\%$  applies, except for torque constant and voltage gradient for which applies a tolerance of  $+15\%$  and  $-5\%$ .

Detailed data sheets with operating characteristics for various DC link voltages are available.



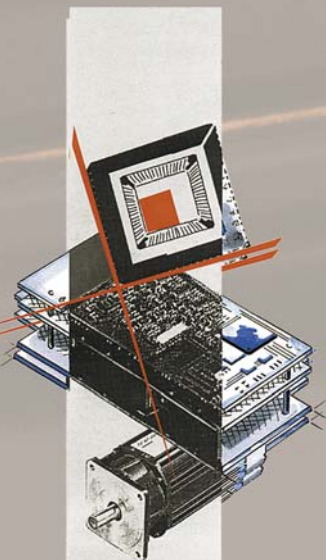
## The motors of the NHJ series

are high-quality and high-performance motors characterized by Neodymium-Iron-Boron magnets. NHJ motors are always the right choice if a highly rugged motor is needed that is supposed to have a long lifespan.

All NOVOTRON motors have as a standard

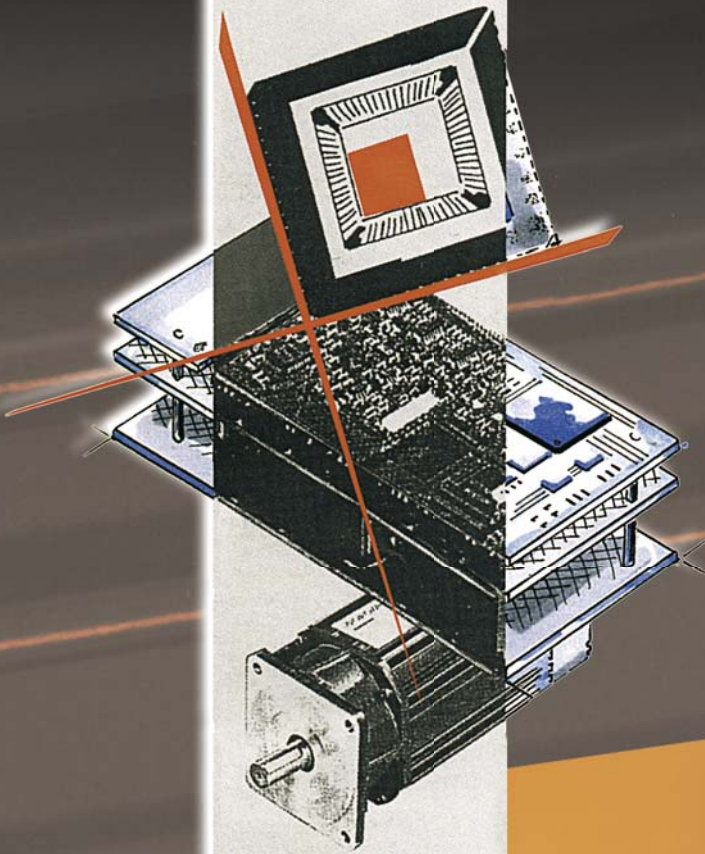
- sinusoidal three-phase EMF
- Neodymium-Iron-Boron magnets
- integrated resolver
- shaft and flange sizes according to industry standards
- protection class IP65 and IP64 at motor
- shaft with oil seal
- motor shaft with closed key groove
- thermo switch in motor winding
- isolation class F
- motor and sensor connection over plugs

As motors of the HNJ series are available in three sizes with 69 different voltage constants and a torque ranging from 3 to 67 Nm, you get the chance to find the motor most suitable to your requirements.



A number of additional features, such as holding brake, encoder, encoder adapter, and various special versions can be provided on demand.



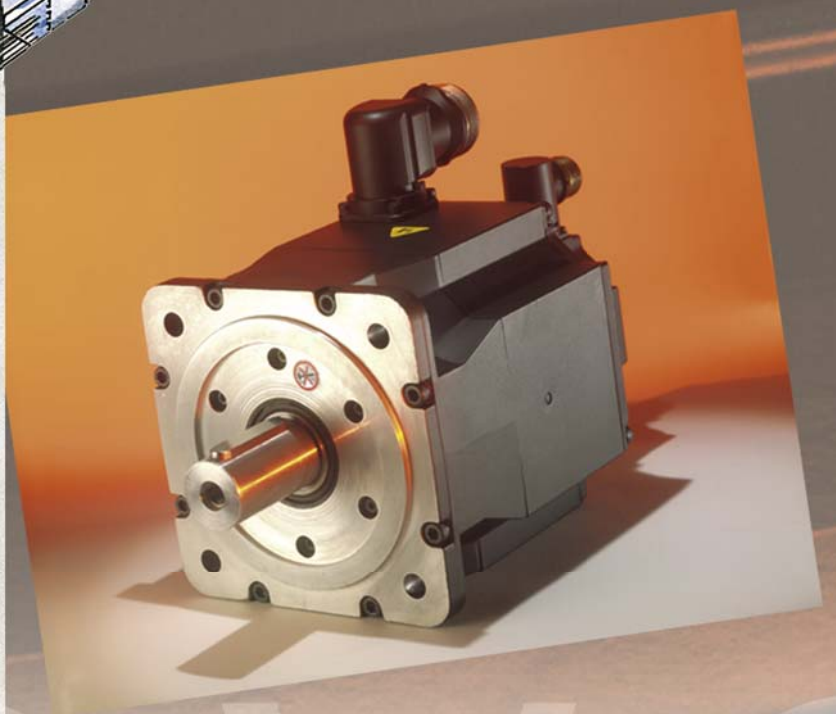


THE MAKER OF  
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