



Specification CUSTOMER:

(Pages 1 and 2 to be completed by the customer)

Description of application

Rating by NORD

Table with 2 columns: Parameter and Unit. Parameters include Motor weight, Load weight, Amount/distance of displacement, Time for one displacement operation, Duration of stop, Overall cycle time, Maximum acceleration allowed, Maximum deceleration allowed, Stopping accuracy (+/-), Diameter (pinion, toothed belt pulley), or spindle pitch, Mass moments of inertia of transmission elements, Gearbox mounting position / shaft type.

Rating as specified by the customer

Table with 2 columns: Parameter and Unit. Parameters include Gearbox continuous output torque (T2), Gearbox acceleration torque (TB), Gearbox emergency off torque (TNot), Gearbox shaft overhung load, Gearbox shaft thrust load, Motor rated speed (n_nenn), Maximum motor speed (n_max), Rated motor torque (Tn), Acceleration torque (Tb) with rated speed, Acceleration torque (Tb) with maximum speed, Stopping brake, Mass moment of inertia of the load, Gear ratio, internal (gearbox), external (e.g. pinion).

Standard functions

- Position mode Speed control Torque control Pulse & Direction
CAN bus PLC function
Special requirements as to constancy of speed over time
Setpoint setting: analogue +/-10V RS232 RS485 Stepping motor interface
PLC integrated in servo device for drive control: yes no
Will you do your own programming? yes no
I/O control lines Use of the digital I/O's of the servo controller's PLC
CAN-open field bus
CAN-open implementation (EDS file/PDO's)

Technological functions

- Flying saw Shifting of el. speed control Winder Graph function Other.....

Gearbox types

- Helical (NORDBLOC) Helical-bevel (NORDBLOC attachm.)
Shaft-m. (NORDBLOC attachm.) Other (with servo adapter)
Planetary Standard slackness Red. slackness Specified

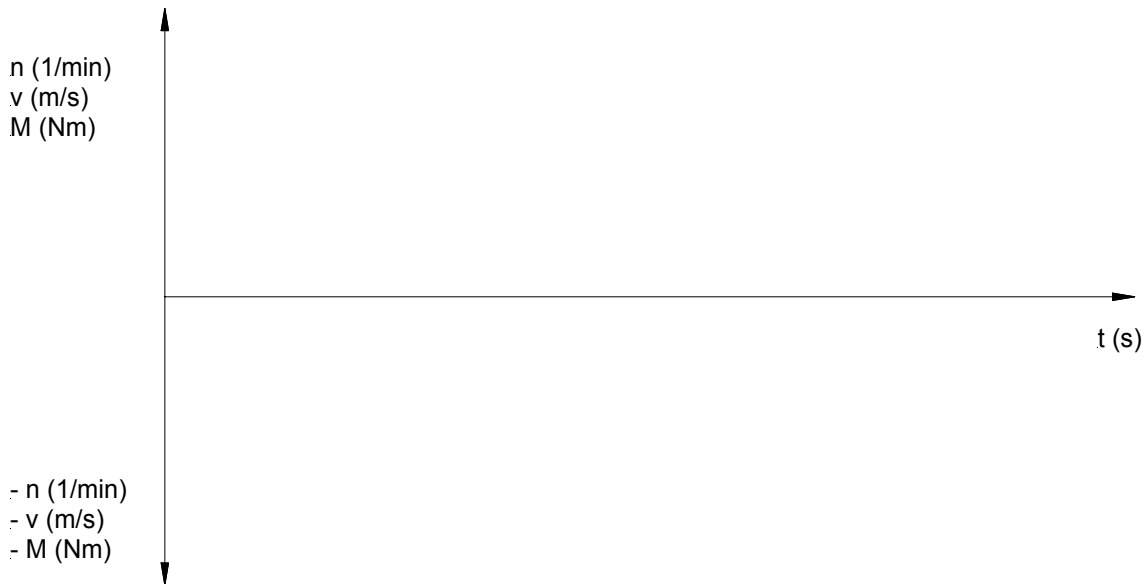
T.-Nr. 0604 1592



NORDAC SK 1000E Project planning form

Motor

Synchron motor (SM) [] Induction motor (ASM) []
Velocity feedback: 5V encoder [] resover [] resolution inc.
Referencing to be ensured yes []; no [].
If no, external absolute encoder (SSI Gray code) yes []; no [] resol. single-/multi-trn bits
Shaft with motor only: with key []; smooth shaft [] Mm



Ambient temp. range electronic components from.....to.....°C
Ambient temp. Range motor from.....to.....°C
Environm. cond. Affecting el. components or motor (type of encl.)
such as water, dust, aggressive gases or liquids

Cable length from motor to servo control device M
Servo with foot-print brake resistors yes [], no [] wattage W
Installation site (add. filters could be required) industrial area [], residential area []
Number of controllers and motors required per machine Pieces
Estimated requirement (motors and control devices) per year: Pieces
To be delivered in Week
Assistance with system configuration desired yes [], no []
Would you like more information yes [] no []
If so, which specifically

.....
.....
.....
Other details.....
.....
.....

Representative (person the customer should get in touch with)
.....



Project design by NORD (sheet will be completed by NORD)

Gearbox bevel helical shaft-mount planetary
 Type
 Gear ratio
 max. torque (T_{max}) Nm
 cont. torque (T_{cont}) Nm
 Shaft key smooth hollow shaft shrink disc
 Shaft \varnothing Mm
 Flange \varnothing Mm
Motor SM ASM (with temp. sensor KTY84)
 Type:
 Shaft key smooth Nord standard
 Feedback encoder resolution..... resolver
 Stopping brake Nm
Servo controller
 Type

 I/O configuration
 Interface
 Configuration
 Type E ET ES EST
 R RT RS RST
Cable power encoder resolver
 Lengths m
 Add. cable Type Length..... m
Braking resistor Type W/ Ω
Line filter B Type
Add. devices yes no e.g. CAN, operating
Data record
PLC program
Net price
 plus VAT €
 Term of delivery
 Person in charge of project at NORD's