



# Selection Inquiry

Contact: \_\_\_\_\_  
 Telephone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Qty: \_\_\_\_\_ Type: **SK** \_\_\_\_\_

Company: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Application: \_\_\_\_\_

### Gearbox Parameters

**Unit**  
 Gearmotor  
 Gearbox with Solid Input Shaft  
 Gearbox with Motor Adapter  
 Motor Only

**Mounting Position**  
 M1  
 M2  
 M3  
 Special \_\_\_\_\_

**Lubricant**  
 M4  
 M5  
 M6  
 Standard  
 Synthetic  
 Food Grade  
 Other \_\_\_\_\_

**Shaft**  
 Solid Shaft, Diameter \_\_\_\_\_  
 inch  
 mm  
 Shaft Location (For Bevel & Worm only)  
 Shaft Side A  
 Shaft Side B  
 Shaft Side A & B  
 Hollow Shaft, Diameter \_\_\_\_\_  
 inch  
 mm

**Flange**  
 None  
 B14  
 B5, Outside Diameter \_\_\_\_\_ [mm]

Ratio \_\_\_\_\_ : 1 or Output Speed \_\_\_\_\_ [rpm]  
 Output Torque \_\_\_\_\_ [lb-in] or Power \_\_\_\_\_ [hp]

Minimum Service Factor [f<sub>s</sub>] \_\_\_\_\_ [lb]

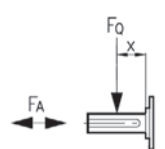
Radial Load at Output Shaft [F<sub>r</sub>] \_\_\_\_\_ [lb]

Axial Load at Output Shaft [F<sub>a</sub>] \_\_\_\_\_ [lb]

Distance from Shaft Shoulder [x] \_\_\_\_\_ [in]

Minimum Required Bearing Lifetime Lh10 \_\_\_\_\_ [hours]

**Bearing Type**  
 Standard  
 VL - Heavy Duty  
 AL - Axial/Thrust  
 VL2  
 VL3  
 VL4



### Environmental Parameters

Ambient Temperature Range \_\_\_\_\_ °F to \_\_\_\_\_ °F

**Location of Unit**  
 Indoor  
 Outdoor  
 Severe Environment

**Paint**  
 Standard Stainless Steel Paint  
 NSD+ (gray)  
 NSD+W (white)  
 NSD-X3 (gray)  
 NSD-X3W (white)  
 Casting Primed  
 Special \_\_\_\_\_

### Motor Parameters

Power \_\_\_\_\_ [hp]

**Voltage & Frequency**  
 230/460V-60Hz (460V only ≥ 40 hp)  
 575V-60Hz  
 208V-60Hz  
 400V-50Hz  
 115/230V-60Hz, 1 ph.  
 Other \_\_\_\_\_

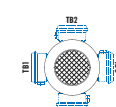
**Enclosure**  
 IP55 (Standard)  
 IP66

**Insulation Class**  
 F (Standard)  
 H

**Duty**  
 S-1 Continuous Operation  
 Periodic/Short Time Operation

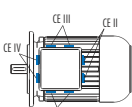
Cycles Per Hour \_\_\_\_\_ cycles/hour

**Terminal Box Position**  
 TB1  
 TB2  
 TB3  
 TB4



**Thermal Protection**  
 None  
 Thermostat  
 Thermistor

**Conduit Entry Location**  
 CE I \*  
 CE II  
 CE III \*  
 CE IV  
 \* Brakemotor



### Brake Parameters

**Brake**  
 No Brake (continue to next section)  
 Holding Brake/Emergency Brake  
 Working Brake

Brake AC Supply \_\_\_\_\_ [Volts]  
 Brake Torque \_\_\_\_\_ [Nm]

**Brake Release**  
 Standard  
 Fast

**Brake Supply**  
 Line power from motor terminal block  
 Separate Power Source

**Brake Stopping**  
 Standard  
 Fast  
 Very Fast

### Frequency Inverter Parameters

**Frequency Inverter**  
 No Frequency Inverter  
 Customer Supplied Inverter  
 NORD Panel Mounted Frequency Inverter  
 NORD Motor Mounted Frequency Inverter

Line Voltage: \_\_\_\_\_ [Volts] Frequency \_\_\_\_\_ [Hz]  
 Operating Frequency Range: \_\_\_\_\_ [Hz] to \_\_\_\_\_ [Hz]

**How is the Inverter Controlled?**  
 PC  
 Operator Control  
 Other

**Bus System?**  
 None  
 Profibus  
 CANBus  
 AS Interface  
 InterBus  
 CANopen  
 RS232

**Are You Using an Encoder?**  
 No  
 Yes →  Position Feedback  
 Speed Control