

# MAXXDRIVE® Inquiry Form

## Customer

Company \_\_\_\_\_  
 Project \_\_\_\_\_  
 Country of installation \_\_\_\_\_  
 Sales stage  Budget  Project  Order  
 Quantity \_\_\_\_\_  One time  Recurrent  
 Annual demand \_\_\_\_\_  
 Expected quotation date \_\_\_\_\_ Expected delivery date \_\_\_\_\_  
 Target price \_\_\_\_\_  
 End customer \_\_\_\_\_  
 Competitors \_\_\_\_\_

## Application Data [mandatory]

Industry \_\_\_\_\_  
 Application \_\_\_\_\_  
 Existing machine  New machine  
 Current drive \_\_\_\_\_  
 Ambient temperature  [°C]  [°F] Min \_\_\_\_\_ Max \_\_\_\_\_  
 Altitude above sea level  [m]  [ft] \_\_\_\_\_  
**Ambient conditions**  
 Standard, clean, industrial dust  
 Abrasive dust (e.g. from cement, coal, stone)  
 Salt/sea water  
 Corrosive atmosphere (e.g. chemistry industry) Chemicals \_\_\_\_\_

## Foundation

Concrete floor  Steel foundation

## Place of installation

Small room (wind speed  $\geq 0.5$  m/s [ $\geq 1.65$  ft/s])  
 Large room (wind speed  $\geq 1.5$  m/s [ $\geq 4.95$  ft/s])  
 Outdoors (wind speed  $\geq 4$  m/s [ $\geq 13.1$  ft/s])  
 Shaded from the sun  Yes  No

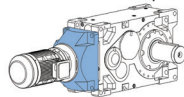
## Scope of Supply from NORD® [mandatory]

### Electric motor

NORD® scope  With motor  Without motor  
 Motor dimensions  IEC  NEMA

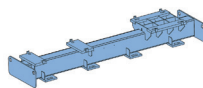
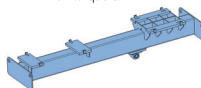
### Flange mounted (B5)

IEC/NEMA adapter

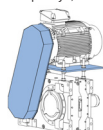
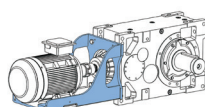


### Foot mounted (B3)

Motor swing base (MS)  Base frame (MF)  
incl. torque arm



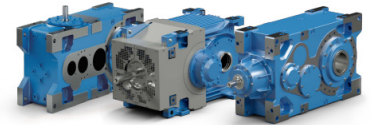
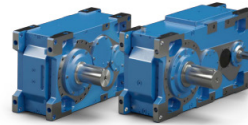
Motor bracket (MC)  Motor mount (MT)  
incl. pulleys, belts, cover



## Scope of Supply from NORD® [mandatory]

### Gear unit

Parallel gear unit  Right-angle gear unit



### Input coupling

Elastic coupling  Fluid coupling



Other, please specify \_\_\_\_\_  
 Specific brand \_\_\_\_\_  NORD® recommendation

### Output coupling

Elastic coupling  Gear coupling  Rigid flange coupling  Drum coupling

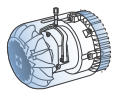
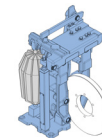
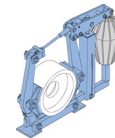


Other, please specify \_\_\_\_\_  
 Specific brand \_\_\_\_\_  NORD® recommendation

### Brake

Function (see M7000)  Holding brake  Service brake / working brake  
 Emergency brake

Design  Drum brake  Disc brake  Motor brake



Brake torque  [Nm]  [lbf-in] \_\_\_\_\_

Power supply Voltage [V] \_\_\_\_\_ Mains frequency [Hz] \_\_\_\_\_

Specific brand \_\_\_\_\_  NORD® recommendation

## Gear Unit Data [mandatory]

Input power  [kW]  [hp]  
 Installed power \_\_\_\_\_ Absorbed power \_\_\_\_\_

Input speed [rpm]  
 Input speed \_\_\_\_\_  
 VFD speed Min \_\_\_\_\_ Max \_\_\_\_\_

Target ratio \_\_\_\_\_

Output speed [rpm]  
 Output speed \_\_\_\_\_

Output torque  [Nm]  [lbf-in]  
 Installed \_\_\_\_\_ Absorbed \_\_\_\_\_

Load direction  One direction  Both directions

Peak loads / start-ups [per hour] \_\_\_\_\_

Operating factor  
 Installed \_\_\_\_\_ Absorbed \_\_\_\_\_  
 NORD® recommendation

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## Motor Data

Operation  DOL  VFD  Frequency range \_\_\_\_\_ [Hz]  
 Voltage [V] \_\_\_\_\_ Mains frequency [Hz] \_\_\_\_\_  
 Efficiency class  IE1  IE2  IE3  IE4  
 Motor options \_\_\_\_\_  
 Specific brand \_\_\_\_\_  NORD® recommendation

## External Loads [mandatory]

No external loads. The gear unit transmits torque only.

Radial load  [Nm] [mm]  [lbf] [in]

HSS  $F_R =$  \_\_\_\_\_  $x^* =$  \_\_\_\_\_

LSS  $F_{R1} =$  \_\_\_\_\_  $x_1^* =$  \_\_\_\_\_

LSS  $F_{R2} =$  \_\_\_\_\_  $x_2^* =$  \_\_\_\_\_

*\*Default: center of the shaft*

Bending moment  [Nm]  [lbf-in]

HSS  $M_b =$  \_\_\_\_\_

LSS  $M_{b1} =$  \_\_\_\_\_

Axial load  [N]  [lbf]

HSS  $F_A =$  \_\_\_\_\_  Towards /  from gear unit

LSS  $F_{A1} =$  \_\_\_\_\_

Bearing lifetime  [L10h]  [Lh10a] \_\_\_\_\_ h

## Installation Position [mandatory]

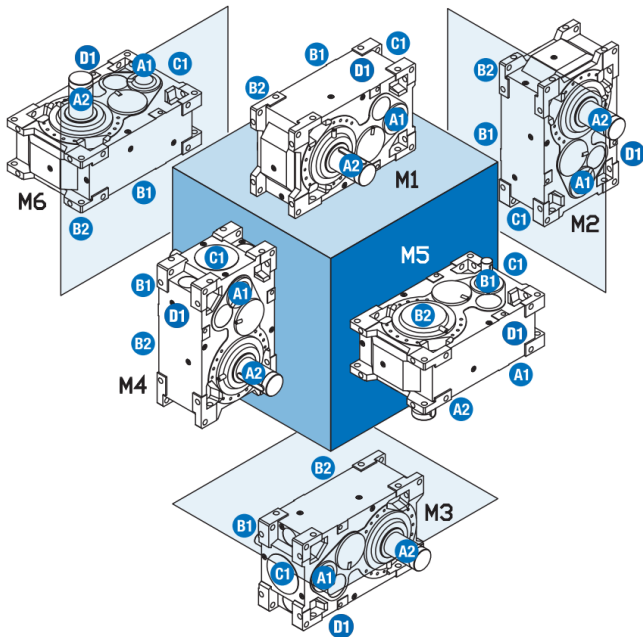
Mounting position Shaft position

M1  M4  A1  A2

M2  M5  B1  B2

M3  M6  C1  D1

Inclined mounting position \_\_\_\_\_

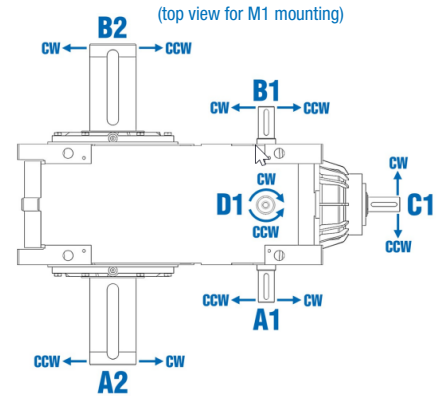


## Shaft configuration

**Output shaft**  
 View on Rotation direction  
 A2  CW  
 B2  CCW

**Input shaft**  
 View on Rotation direction  
 A1  CW  
 B1  CCW  
 C1  D1

**Options**  
 Auxiliary drive (WX)  A1  B1  
 Backstop (R)  A1  B1  
 Brake  A1  B1  C1



## Gear Unit Options [mandatory]

**Output shaft**  
 Solid shaft with key groove (V)  
 Splined solid shaft DIN5480 (EV)  
 Solid shaft on both sides (L)  
 Hollow shaft with key groove (A)  
 With standard cover (H)  With IP66 cover (H66)  
 With fixing element (B)  With shrink disc (S)  
 Splined hollow shaft DIN5480 (EA)

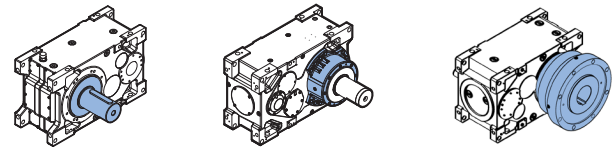
## Sealing

Standard sealing  Taconite (TAC)  Drywell (DRY)

## Mounting

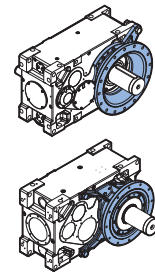
### Foot mounting

Standard version  Agitator version (VL6/KL6)\*  
 incl. Drywell / without flange  Extruder version (VL5)



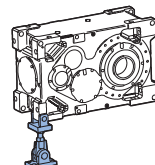
### Flange mounted

Flange version (FK) (through holes)  
 Flange version (F) (threaded holes)  
 Agitator version (VL2/KL2)  
 Agitator version (VL3/KL3) (incl. leak detection)  
 Agitator version (VL4/KL4)\* (incl. Drywell)



### Shaft mounted

Standard torque arm (D)  
 Elastic torque arm (ED)



\*Forced/pressure lubrication (LCX) necessary

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## Further Options

### Ventilation

- NORD\* recommendation
- Metal filter (FV)
- Desiccant breather (DB)
- Cellulose filter (EF)

### Oil level check

- Screw plug (standard)
- Oil dipstick (PS)
- Oil sight glass (OSG)
- Oil level indicator (OST)

### Oil drain

- Screw plug (standard)
- Oil drain tap (BV)

### Sensors

- PT100 in oil sump
- Prepared for sensor mounting (SPM)
- PT100 for bearings
- Vibration sensors
- Other, please specify \_\_\_\_\_

## Certification

### ATEX

- Explosion protection required  Yes  No
- Zone II 3D  Zone II 3G
- Zone II 2D  Zone II 2G

Temperature class [°C] \_\_\_\_\_

Other certificates \_\_\_\_\_

## Painting

- NORD\* recommendation
- Basic (standard)
- Other, please specify \_\_\_\_\_  
(see G1050)

## Lubrication\*

### Oil type

- NORD\* recommendation
- Mineral oil CLP
- Synthetic oil CLP HC (PAO)
- Other, please specify \_\_\_\_\_

\*Standard delivery without oil

### Viscosity class

- ISO VG 220 (standard)
- Other, please specify \_\_\_\_\_

### Long-term storage

- Not required
- Full oil level
- With Anticorit VCI only
- With VCI oil

### Lubrication system

- NORD\* recommendation
- Splash lubrication (standard)
- Forced/pressure lubrication
  - Upper bearings (LC)
  - Bearings + gears (LCX)

### Type of pump

- With flange pump
- With motor pump (3-phase)

### Oil heater (mandatory below -20 °C/-4 °F)

- 1-phase  3-phase

Voltage [V] \_\_\_\_\_

## Permissible Oil Cooling [mandatory]

- Fan  Approved  Not approved
- External oil/air cooler (CS2)  Approved  Not approved
- Cooling coil (CC)\*  Approved  Not approved
- External oil/water cooler (CS1)\*  Approved  Not approved

Max. cooling water temperature \_\_\_\_\_ [°C] \_\_\_\_\_ [°F]

\*Cooling water supply by the customer is necessary

## Further Information (Customer Requirements / Specification / Packaging)

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## Sketch (Mounting Arrangement / Geometrical Restrictions / External Loads)