

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 _____
 Enduser _____
 Competitors _____

Application Data [mandatory]

Industrial sector _____
 Application _____
 Existing machine New machine
 Current gearbox _____
 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 ≥ 0.5 m/s [≥ 1.65 ft/s])
 Large room (wind speed ≥ 1.5 m/s [≥ 4.95 ft/s])
 Outdoors (wind speed ≥ 4 m/s [≥ 13.1 ft/s])
 Shaded from the sun yes no

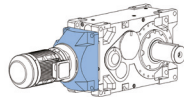
Scope of supply from NORD [mandatory]

Electric Motor

NORD scope with motor without motor
 Motor dimensions IEC NEMA

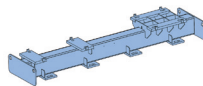
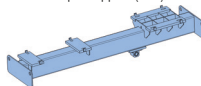
Flange mounted (B5)

IEC/ NEMA adapter

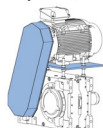
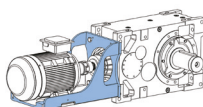


Foot mounted (B3)

Swing base (MS) Torque support (incl.) Base frame (MF)



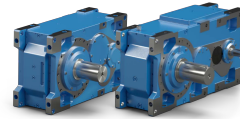
Scoop (MC) Bracket (MT) Pulleys, belts, cover (incl.)



Scope of supply from NORD [mandatory]

Gearbox

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 Barrel coupling

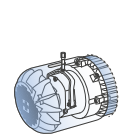
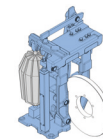
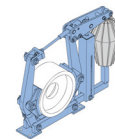


Other, please specify _____
 Specific brand _____ NORD recommendation

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] _____ Frequency [Hz] _____

Specific brand _____ NORD recommendation

Gearbox 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] _____

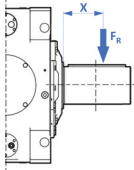
Service factor
 Installed _____ Absorbed _____
 NORD recommendation

Motor Data

Operation DOL VFD Frequency range _____ [Hz]
 Voltage [V] _____ Frequency [Hz] _____
 Efficiency class IE1 IE2 IE3 IE4
 Motor options _____
 Specific brand _____ NORD recommendation

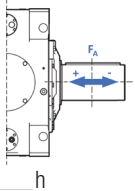
External Loads [mandatory]

No external loads. The gear unit transmits torque only.
 Radial forces [Nm] [mm] [lbf] [in]
 HSS $F_R =$ _____ $x^* =$ _____
 LSS $F_{R1} =$ _____ $x_1^* =$ _____
 LSS $F_{R2} =$ _____ $x_2^* =$ _____
** default: midpoint of the shaft*



Bending moment [Nm] [lbf-in]
 HSS $M_b =$ _____
 LSS $M_{b1} =$ _____

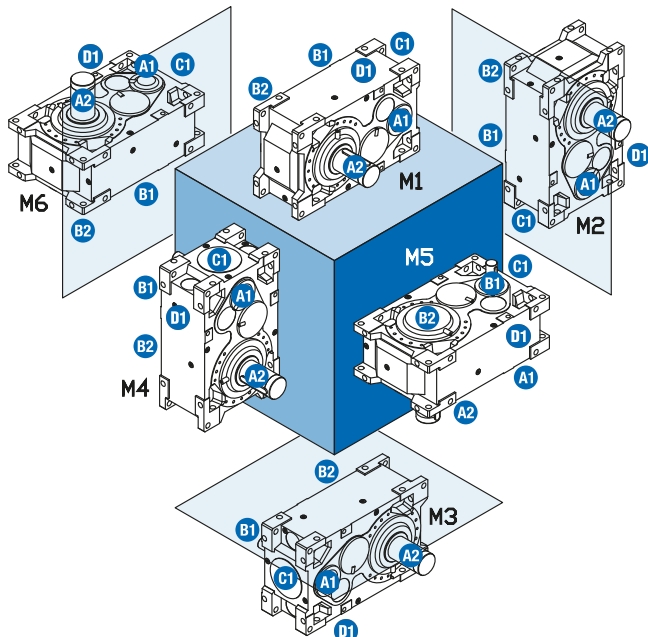
Axial thrust [N] [lbf]
 towards from gear unit
 HSS $F_A =$ _____
 LSS $F_{A1} =$ _____
 Exp. bearing lifetime [L10h] [Lh10a] _____ h



Positioning [mandatory]

Mounting position Shaft positions
 M1 M4 A1 A2
 M2 M5 B1 B2
 M3 M6 C1 D1

Inclined mounting position _____



Shaft Configuration

Output Shaft

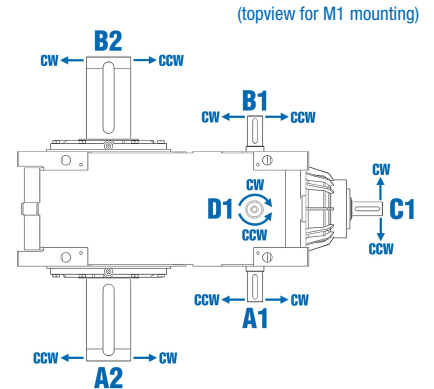
View on Rotation
 A2 CW
 B2 CCW

Input Shaft

View on Rotation
 A1 CW
 B1 CCW
 C1
 D1

Options

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



Gearbox Options [mandatory]

Output Shaft

Solid shaft with keyway (V)
 Splined solid shaft DIN5480 (EV)
 Double solid shaft (L)
 Hollow shaft with keyway (A)
 with standard cover (H) with IP66 cover (H66)
 with fixing kit (B) with shrink disc (S)
 Splined hollow shaft DIN5480 (EA)

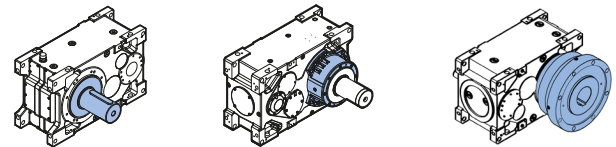
Sealing

Standard sealing Taconite (TAC) Drywell (DRY)

Mounting

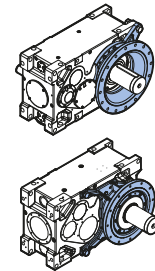
Foot mounting

Standard design Agitator design (VL6/KL6)* Extruder design (VL5)
incl. drywell/without flange



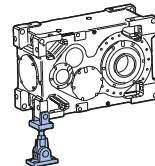
Flange mounted

Flange design (FK) (through holes)
 Flange design (F) (threaded holes)
 Agitator design (VL2/KL2)
 Agitator design (VL3/KL3) (incl. oil leak detection)
 Agitator design (VL4/KL4)* (incl. drywell)



Shaft mounted

Standard torque support (D)
 Elastic torque support (ED)



*Pressure forced lubrication (LCX) necessary

