NORD DRIVESYSTEMS **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 $\geq 0.5 \text{ m/s} [\geq 1.65 \text{ ft/s}]$					
□ Large room (wind speed ≥ 1.5 m/s (≥ 4.95 ft/s))					
□ Outdoors (wind speed $\ge 4 \text{ m/s} [\ge 13.1 \text{ ft/s}]$) Shaded from the sun □ ves □ no					
Shaded from the sun yes no					
Shaded from the sun yes no Scope of supply from NORD [mandatory]					
Shaded from the sun yes no Scope of supply from NORD [mandatory] Electric Motor					
Shaded from the sun yes no Scope of supply from NORD [mandatory] Electric Motor NORD scope with motor					
Shaded from the sun yes no Scope of supply from NORD [mandatory] Electric Motor NORD scope with motor Motor dimensions IEC					
Shaded from the sun yes no Scope of supply from NORD [mandatory] Electric Motor NORD scope with motor					
Shaded from the sun yes no Scope of supply from NORD [mandatory] Electric Motor NORD scope with motor Motor dimensions IEC NEMA Elange mounted (B5)					
Shaded from the sun yes no Scope of supply from NORD [mandatory] Electric Motor NORD scope with motor Motor dimensions IEC NEMA Elange mounted (B5)					
Shaded from the sun yes no Scope of supply from NORD [mandatory] Electric Motor NORD scope with motor with out motor Motor dimensions IEC NEMA Flange mounted (B5) IEC/ NEMA adapter					
Shaded from the sun yes no Scope of supply from NORD [mandatory] Electric Motor NORD scope with motor with out motor Motor dimensions IEC Flange mounted (B5) Eoot mounted (B3) Swing base (MS)					
Shaded from the sun yes no Scope of supply from NORD [mandatory] Electric Motor NORD scope with motor with motor without motor Motor dimensions IEC Flange mounted (B5) IEC/ NEMA adapter					
Shaded from the sun yes no Scope of supply from NORD [mandatory] Electric Motor NORD scope with motor with out motor Motor dimensions IEC Flange mounted (B5) Eoot mounted (B3) Swing base (MS)					
Shaded from the sun yes no Scope of supply from NORD [mandatory] Electric Motor NORD scope with motor with out motor Motor dimensions IEC NEMA Flange mounted (B3) IEC/ NEMA adapter Foot mounted (B3) Swing base (MS) Torque support (incl.)					
Shaded from the sun yes no Scope of supply from NORD [mandatory] Electric Motor NORD scope with motor with out motor Motor dimensions IEC Flange mounted (B5) Eoot mounted (B3) Swing base (MS)					



Scope of supply from NORD [mandatory]

Gearbox

Parallel Gear Unit



NORD recommendation

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Motor Data

Operation	DOL VFD	Freque	ency range	[Hz]
Voltage [V]		Freque	ency [Hz]	
Efficiency class	IE1	IE2	IE3	IE4
Motor options				
Specific brand			NORD rec	commendation

External Loads [mandatory]

No external loa	X		
Radial forces	[Nm] [mm]	[lbf] [in]	
HSS	F _R =	X*=	
LSS	F _{R1} =	X_1^*=	
LSS	F _{R2} =	X_2^*=	
* default: midpoint of ti			
Bending moment	[Nm]	[lbf-in]	
HSS	M _b =		
LSS	M _{b1} =		
Axial thrust	[N]	[lbf]	
HSS LSS	F _A =	towards from gear unit	
Exp. bearing lifeting	me 🗌 [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 (topview for M1 mounting) **B2 Output Shaft** - CCW View on Rotation **B1** A2 CW CCW B2 Input Shaft View on Rotation A1 CW CCW B1 **A1** C1 🗌 D1 A2 Options Auxiliary drive (WX) B1 A1 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

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Further Options Breather NORD recommendation Desiccant breather (DB) Oil Level Monitoring Screw plug (standard) Oil sight glass (OSG)	 Metal filter (FV) Cellulose filter (EF) Oil dip stick (PS) Oil level indicator (OST) 	Lubrication* Oil Type NORD recommendation Mineral oil CLP Synthetic oil CLP HC (PAO) Other	Viscosity Class
Oil Drain Screw plug (standard) Sensors PT100 in oil sump PT100 for bearings	 Oil drain cock (BV) Prepared for sensor mounting (SPM) Vibration sensors 	Long Term Storage Not required Full oil Level With Anticorit VCI only With VCI oil	
Other, please specify Certification ATEX Explosion protection required yes Zone II 3D Zone II 3G Zone II 2D Zone II 2G Temperature class [°C] Verticity		Lubrication System NORD recommendation Splash lubrication (standard) Pressure lubrication upper bearings (LC) bearings + gears (LCX) Oil Heater (mandatory below -20°C 1-phase 3-phase Voltage [V]	Type of pump with flange pump with motorpump (3-phase) C/-4°F)
Other certificates Painting NORD recommendation Basic (standard) Other, please specify (see G1050)		Permissable Oil Cooling [mail FAN External oil/air cooler (CS2) Cooling coil (CC)* External oil/water cooler (CS1)* Max. cooling water temperature *Cooling water supply by the customer is nece	Approved Not approved [°C] [°F]

Further Information (Customer Requirements / Specification / Packaging)

Sketch (Mounting Arrangement / Geometrical Restrictions / External Forces)

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