## NORD DRIVESYSTEMS

# **MAXXDRIVE®** Inquiry Form



Customer			Scope of supply from NORD [mandatory]									
Company			Gearbox									
Project			Parallel Ge	ar Unit	Right-Angle Gear	Unit						
Country of installation												
Sales stage		Order		The Control of the Co		60000						
Quantity	one time											
Annual demand												
	Expected de	livery date	Input Couplin	g								
Target price			Elastic cou	ınlina	☐ Fluid coupling							
Enduser			_ Lidolio ood	, , , , , , , , , , , , , , , , , , ,	Train coupling							
Competitors												
Application Data [	mandatory]											
Industrial sector			Other, plea									
Application		Specific br	and	N	IORD recommendation							
Existing machine	New machine		Output Count	ina								
Current gearbox			Output Coupli	-	na Diaid flance o	ounling Derrol counting						
Ambient temperature	$\square$ [°C] $\square$ [°F] n	nin max	L Elastic cou	pling Gear couplir	ig Rigid flange c	oupling Barrel coupling						
Altitude above sea leve	el 🗆 [m] 🔲 [ft] 🔃		(200									
Ambient conditions												
Standard, clean, inc	dustrial dust	Other, plea	ise specify									
	from cement, coal, stone)	Specific br			IORD recommendation							
Salt/ sea water												
Corrosive atmospher	e (e.g. chemistry industry)	Chemicals	Brake									
Foundation			Function (see M7000)	Holding brake	Service brake/	working brake						
Concrete floor	Steel foundation			Emergency brak								
Place of Installation			Design	Drum brake	☐ Disc brake	Motor brake						
	speed $\ge 0.5 \text{ m/s} \ge 1.65$	ft/s])			The same							
	speed $\geq$ 1.5 m/s [ $\geq$ 4.95]											
	ed ≥ 4 m/s [≥ 13.1 ft/s]											
Shaded from the sun												
			Brake torque	Nm]	[lbf-in]							
Scope of supply fr	rom NORD [mandato	ory]	Power supply		Frequency							
Electric Motor			Specific br	and	N	IORD recommendation						
NORD scope	with motor with with with motor	thout motor	Gearboy Da	ita [mandatory]								
Motor dimensions	IEC N	EMA		-								
Flange mounted (B5)	☐ IEC/ NEMA adapter		Input power	☐ [kW] ☐ [hp]		d						
	IEC/ NEIVIA adapter		lanut and ad	Installed power	Absorbe	a power						
			Input speed	[rpm]								
				Input speed VFD speed min	may							
Foot mounted (B3)			Target ratio	vrט speea miii	IIIdX							
Foot mounted (BS)	Swing base (MS) Torque support (incl.)	☐ Base frame (MF)	Target ratio Output speed	[rpm]								
	Torque support (incl.)		Output speed	Output speed								
	100		Output torque	[Ibf-	-inl							
		- Marie	output torque	Installed	-III] Absorbed							
	Scoop (MC)	Bracket (MT)	Load direction	One direction	Both direction	nns						
		Pulleys, belts, cover (incl.)	Peak loads / st	אווט								
	TO ALL		Service factor	בור נוףס נף הוטנון								
			OUI VICE TACIOI	Installed	Absorbed							
				☐ NORD recomme								

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#### **Motor Data Shaft Configuration** (topview for M1 mounting) **B2** Operation □ DOL □ VFD □ Frequency range [Hz] **Output Shaft** Frequency [Hz] Voltage [V] View on Rotation Efficiency class \_\_ IE1 IE2 IE3 E4 \_\_\_ A2 CW Motor options B2 CCW Specific brand NORD recommendation Input Shaft View on Rotation External Loads [mandatory] \_\_ A1 CW ■ No external loads. The gear unit transmits torque only. \_\_\_ B1 CCW ☐ [Nm] [mm] [lbf] [in] **A1** \_\_ C1 HSS $F_D =$ $X^* =$ \_\_ D1 **A2** LSS **Options** LSS Auxiliary drive (WX) B1 A1 \* default: midpoint of the shaft \_\_\_ A1 Backstop (R) B1 Bending moment [Nm] [lbf-in] Brake \_\_\_ A1 \_\_\_ B1 \_\_ C1 HSS $M_h =$ Gearbox Options [mandatory] LSS $M_{b1} =$ **Output Shaft** Axial thrust [N] [lbf] ☐ Solid shaft with keyway (V) towards from gear unit ☐ Splined solid shaft DIN5480 (EV) HSS Double solid shaft (L) LSS ☐ Hollow shaft with keyway (A) Exp. bearing lifetime [L10h] [Lh10a] with standard cover (H) with IP66 cover (H66) with shrink disc (S) with fixing kit (B) Positioning [mandatory] ☐ Splined hollow shaft DIN5480 (EA) Mounting position Shaft positions Sealing \_\_ M1 M4 \_\_\_ A1 \_\_\_ A2 Standard sealing Taconite (TAC) Drywell (DRY) M2 M5 B1 B2 Mounting \_\_\_ M6 M3 \_\_ C1 Foot mounting □ D1 Agitator design (VL6/KL6)\* Extruder design (VL5) Standard design Inclined mounting position 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 Metal filter (FV) Desiccant breather (DB) Cellulose filter (EF)  Oil Level Monitoring						Lubrication*  Oil Type  Viscosity Class  NORD recommendation  ISO VG 220  Mineral oil CLP  Synthetic oil CLP HC (PAO)  Other															
<ul><li>□ Screw plug (standard)</li><li>□ Oil dip stick (PS)</li><li>□ Oil sight glass (OSG)</li><li>□ Oil level indicator (OST)</li></ul>						* Standard delivery without oil															
Oil Drain  Screw plug (standard)  Oil drain cock (BV)						Long Term Storage  ☐ Not required															
Sensors  ☐ PT100 in oil sump ☐ Prepared for sensor mounting (SPM) ☐ PT100 for bearings ☐ Vibration sensors					<ul><li>☐ Full oil Level</li><li>☐ With Anticorit VCI only</li><li>☐ With VCI oil</li></ul>																
Other, please specify	— Vibration con	0010				Lub	ricatio	n Sy	stem	1											
Certification ATEX Explosion protection required  yes no Zone II 3D Zone II 3G						<ul> <li>NORD recommendation</li> <li>Splash lubrication (standard)</li> <li>Pressure lubrication</li> <li>upper bearings (LC)</li> <li>bearings + gears (LCX)</li> </ul>					Type of pump  ☐ with flange pump  ☐ with motorpump (3-phase)										
Zone II 2D Zone II 2G Temperature class [°C]						Oil Heater (mandatory below -20°C/-4°F)  1-phase 3-phase  Voltage [V]															
Other certificates						VOIL	ugo [v														
Painting  NORD recommendation  Basic (standard)  Other, please specify (see G1050)				Permissable Oil Cooling [mandatory]  FAN Approved Not approved  External oil/air cooler (CS2) Approved  Cooling coil (CC)* Approved  External oil/water cooler (CS1)* Approved  Max. cooling water temperature [°C]  *Cooling water supply by the customer is necessary								ed ed ed									
Further Information (Cust	tomer Require	ments / S	Specifi	ication	/ Pad	ckag	ing)														
Sketch (Mounting Arrang	ement / Geom	etrical R	estrict	ions / I	Exter	nal I	orce	s)													
													F	lease	sen	d the	requ	uest	o yo	ur lo	cal