GearTec AG

Requirements specification

MDM Mega Drive Magdeburg

Enquiry from _____

Company _____ Contact person _____

Addresse _____ Telephone _____

City _____ Fax _____

Country Germany E-mail _____

1. Gear unit type

◯ As replacement for _____ ◯ Helical gear unit ◯ Planetary gear unit

◯ New design ◯ Bevel-helical gear unit ◯ other: _____

2. Gear unit requirements

Type of prime mover:

Prime mover ☐ Drawing/sketch is attached

Power, [kW] _____

Rot. speed, [min^{-1}] _____

Torque , [N·m] _____

Gear ratio, [-] _____

Auxiliary drive ☐ Drawing/sketch is attached

Power, [kW] _____

Rot. speed, [min^{-1}] _____

Torque , [N·m] _____

Gear ratio, [-] _____

Connecting dimensions [mm] (diameter x length)

High speed shaft Ø ____ mm × ____ mm

Shaft of aux. drive Ø ____ mm × ____ mm

Low speed shaft Ø ____ mm × ____ mm

Driven machine Type of driven machine:

Power, [kW] _____

Rot. speed, [min^{-1}] _____

Torque , [N·m] _____

required centre distance [mm] _____

☐ Drawing/sketch is attached

Direction of rotation: ◯ one direction ◯ reversible direction

Application factor _____

required number of stages [-] _____

Mounting position of low speed shaft

◯ horizontal

◯ vertical

Low speed shaft

◯ hollow

◯ solid

3. Other requirements

3.1 Environmental conditions

Standard temperature range

Tmin [°C] ____ ... Tmax [°C] ____

Place of installation large halls or workshops

Operating per day [h] ____ per year [days] ____

☐ Drawing/sketch is attached

Base _____

in ATEX-design ◯ yes ◯ no

ATEX-Zone

Operational environment _____

3.2 Additional information

Prime mover ☐ Brake ☐ Coupling

Auxiliary drive ☐ Brake ☐ Coupling

Driven machine ☐ Brake ☐ Coupling

3.3 Cooling/Lubrication

☐ Lubrication ◯ Dip lubrication ◯ Oil pump/Oil station

Oil viscosity (ISO Grades) ISO VG

☐ Cooling ◯ Fan ◯ Cooling coil ☐ Heating elements

3.4 Housing

☐ Preservation ☐ Colouration

Housing type

RAL colour :

3.5 Accessories/Measuring devices

☐ Temperature of bearings ☐ Oil sump temperature ☐ Pressure ☐ Oil level ☐ Volume flow ☐ Vibration sensors

Comments

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