

| Engineering data        |                 | Mechanical data            |                        |
|-------------------------|-----------------|----------------------------|------------------------|
| Ratio                   | 100             | Radial force for 20'000h   | 2150 N                 |
| Number of stages        | 2               | Radial force for 30'000h   | 1900 N                 |
| Rated output torque     | 13.5 Nm         | Max. radial force          | 2150 N                 |
| Cycling output torque   | 27 Nm           | Axial force for 20'000h    | 4300 N                 |
| Max output torque       | 43 Nm           | Axial force for 30'000h    | 3800 N                 |
| Emergency output torque | 50 Nm           | Max. axial force           | 4300 N                 |
| Rated input speed       | 4500 rpm        | Protection                 | IP65                   |
| Max input speed         | 14000 rpm       | Input inertia              | 0.21 kgcm <sup>2</sup> |
| Efficiency              | 68 %*           | Mass                       | 1.89 kg                |
| Operating temperature   | <-25; 90> °C    | Tilting moment for 20'000h | 132 Nm                 |
| Backlash                | < 5 arcmin      | Tilting moment for 30'000h | 117 Nm                 |
| Service life            | 20000 h         | Max. bending moment        | 18 Nm                  |
| Running noise           | 60 dB(A)        | Output shaft design        | Flange                 |
| Torsional stiffness     | 13.60 Nm/arcmin |                            |                        |

\* at rated speed & torque

| Lubrication  |                                       | Supported motors      |                                                      |
|--------------|---------------------------------------|-----------------------|------------------------------------------------------|
| Type         | Standard                              | Motor types           | TGN2, TGT2, TGH2                                     |
| Lubricant    | Castrol Optigear Synthetic<br>800/150 | Clamping diameter     | 14 mm                                                |
|              |                                       | Input flange          | Motor adaptation - 2 part,<br>round universal flange |
| Customs info |                                       | Installation position | Any                                                  |
| HS Code      | 84834090                              |                       |                                                      |

