

| Engineering data        |                 | Mechanical data            |                        |
|-------------------------|-----------------|----------------------------|------------------------|
| Ratio                   | 7               | Radial force for 20'000h   | 4900 N                 |
| Number of stages        | 1               | Radial force for 30'000h   | 4350 N                 |
| Rated output torque     | 90 Nm           | Max. radial force          | 4900 N                 |
| Cycling output torque   | 170 Nm          | Axial force for 20'000h    | 9500 N                 |
| Max output torque       | 260 Nm          | Axial force for 30'000h    | 8400 N                 |
| Emergency output torque | 340 Nm          | Max. axial force           | 9500 N                 |
| Rated input speed       | 2350 rpm        | Protection                 | IP65                   |
| Max input speed         | 8500 rpm        | Input inertia              | 2.20 kgcm <sup>2</sup> |
| Efficiency              | 96 %*           | Mass                       | 5.21 kg                |
| Operating temperature   | <-25; 90> °C    | Tilting moment for 20'000h | 475 Nm                 |
| Backlash                | < 1 arcmin      | Tilting moment for 30'000h | 422 Nm                 |
| Service life            | 20000 h         | Max. bending moment        | 80 Nm                  |
| Running noise           | 65 dB(A)        | Output shaft design        | Flange                 |
| Torsional stiffness     | 77.00 Nm/arcmin |                            |                        |

\* at rated speed & torque

| Lubrication  |                                    | Supported motors      |                                                   |
|--------------|------------------------------------|-----------------------|---------------------------------------------------|
| Type         | Standard                           | Motor types           | TGN6, TGT6                                        |
| Lubricant    | Castrol Optigear Synthetic 800/150 | Clamping diameter     | 24 mm                                             |
|              |                                    | Input flange          | Motor adaptation - 2 part, round universal flange |
| Customs info |                                    | Installation position | Any                                               |
| HS Code      | 84834090                           |                       |                                                   |

