

| Engineering data        |                 | Mechanical data            |                        |
|-------------------------|-----------------|----------------------------|------------------------|
| Ratio                   | 5               | Radial force for 20'000h   | 1400 N                 |
| Number of stages        | 1               | Radial force for 30'000h   | 1200 N                 |
| Rated output torque     | 93 Nm           | Max. radial force          | 2200 N                 |
| Cycling output torque   | 110 Nm          | Axial force for 20'000h    | 3000 N                 |
| Max output torque       | 175 Nm          | Axial force for 30'000h    | 3000 N                 |
| Emergency output torque | 220 Nm          | Max. axial force           | 3300 N                 |
| Rated input speed       | 2850 rpm        | Protection                 | IP54                   |
| Max input speed         | 7000 rpm        | Input inertia              | 0.61 kgcm <sup>2</sup> |
| Efficiency              | 98 %*           | Mass                       | 3.01 kg                |
| Operating temperature   | <-25; 90> °C    | Tilting moment for 20'000h | 46 Nm                  |
| Backlash                | < 7 arcmin      | Tilting moment for 30'000h | 40 Nm                  |
| Service life            | 20000 h         | Max. bending moment        | 16 Nm                  |
| Running noise           | 60 dB(A)        |                            |                        |
| Torsional stiffness     | 24.90 Nm/arcmin |                            |                        |

\* at rated speed & torque

Output shaft design      Flange with dowel hole

| Lubrication  |                               | Supported motors      |                             |
|--------------|-------------------------------|-----------------------|-----------------------------|
| Type         | Standard                      | Motor types           | TGN3, TGT3, TGH3            |
| Lubricant    | Grease (lifetime lubrication) | Clamping diameter     | 19 mm                       |
| Customs info |                               | Input flange          | Motor adaptation - one part |
| HS Code      | 84834090                      | Installation position | Any                         |

