

| Engineering data        |                | Mechanical data            |                        |
|-------------------------|----------------|----------------------------|------------------------|
| Ratio                   | 60             | Radial force for 20'000h   | 200 N*                 |
| Number of stages        | 3              | Radial force for 30'000h   | 160 N*                 |
| Rated output torque     | 17 Nm          | Max. radial force          | 200 N*                 |
| Cycling output torque   | 20 Nm          | Axial force for 20'000h    | 200 N                  |
| Max output torque       | 32 Nm          | Axial force for 30'000h    | 160 N                  |
| Emergency output torque | 40 Nm          | Max. axial force           | 240 N                  |
| Rated input speed       | 5000 rpm       | Protection                 | IP54                   |
| Max input speed         | 18000 rpm      | Input inertia              | 0.03 kgcm <sup>2</sup> |
| Efficiency              | 92 %*          | Mass                       | 0.52 kg                |
| Operating temperature   | <-25; 90> °C   | Tilting moment for 20'000h | 5 Nm                   |
| Backlash                | < 22 arcmin    | Tilting moment for 30'000h | 4 Nm                   |
| Service life            | 20000 h        | Max. bending moment        | 4 Nm                   |
| Running noise           | 58 dB(A)       | Output shaft design        | Smooth shaft           |
| Torsional stiffness     | 1.00 Nm/arcmin |                            |                        |

\* at rated speed & torque

\* Defined for point of action at ½ output shaft length

| Lubrication  |                               | Supported motors      |                             |
|--------------|-------------------------------|-----------------------|-----------------------------|
| Type         | Standard                      | Motor types           | TGN2, TGT2, TGH2            |
| Lubricant    | Grease (lifetime lubrication) | Clamping diameter     | 9 mm                        |
| Customs info |                               | Input flange          | Motor adaptation - one part |
| HS Code      | 84834090                      | Installation position | Any                         |

