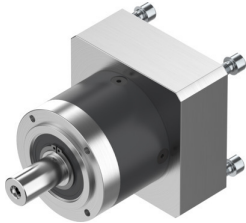


# Gear unit EMGA-80-P-G3-SAS-100

Part number: 552194

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                             | Value                  |
|-------------------------------------|------------------------|
| Gear unit flange size               | 80 mm                  |
| Motor flange size                   | 100 mm                 |
| Torsional backlash                  | 0.12 deg               |
| Type of gear unit                   | Planetary gear         |
| Gear unit ratio                     | 3:1                    |
| Max. drive speed                    | 7000 rpm               |
| Operating temperature of gear unit  | -25 °C ... 90 °C       |
| LABS (PWIS) conformity              | VDMA24364-B2-L         |
| Degree of protection                | IP54                   |
| Continuous output torque            | 85 Nm                  |
| Mass moment of inertia of gear unit | 0.77 kgcm <sup>2</sup> |
| Max. output torque                  | 136 Nm                 |
| Max. efficiency                     | 98 %                   |
| Torsional rigidity                  | 6 Nm/arcmin            |
| Product weight                      | 2100 g                 |
| Gear unit interface, output shaft   | 80G                    |
| Gear unit interface, drive shaft    | 100A                   |
| Note on materials                   | RoHS-compliant         |