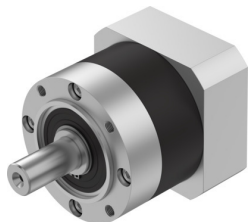


**Gear unit**  
**EMGA-120-P-G8-SAS-100**  
Part number: 8141753

**FESTO**



**Data sheet**

| Feature                             | Value                   |
|-------------------------------------|-------------------------|
| Gear unit flange size               | 120 mm                  |
| Motor flange size                   | 100 mm                  |
| Torsional backlash                  | 0.12 deg                |
| Type of gear unit                   | Planetary gear          |
| Gear unit ratio                     | 8:1                     |
| Max. drive speed                    | 6500 rpm                |
| Operating temperature of gear unit  | -25 °C...90 °C          |
| LABS (PWIS) conformity              | VDMA24364-B2-L          |
| Degree of protection                | IP54                    |
| Continuous output torque            | 120 Nm                  |
| Mass moment of inertia of gear unit | 1.431 kgcm <sup>2</sup> |
| Max. output torque                  | 192 Nm                  |
| Max. efficiency                     | 97 %                    |
| Torsional rigidity                  | 18 Nm/arcmin            |
| Product weight                      | 6000 g                  |
| Gear unit interface, output shaft   | 120G                    |
| Gear unit interface, drive shaft    | 100A                    |
| Note on materials                   | RoHS-compliant          |