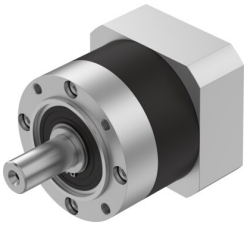
# Gear unit
# EMGA-120-P-G8-SAS-100

Part number: 8141753



## Data sheet

| Feature | Value |
|---|---|
| Gearbox flange size | 120 mm |
| Motor flange size | 100 mm |
| Torsional backlash | 0.12 deg |
| Gearbox type | Planetary gear set |
| Gear ratio | 8:1 |
| Max. actuator speed | 6500 rpm |
| Gearbox operating temperature | -25 °C...90 °C |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Degree of protection | IP54 |
| Continuous output torque | 120 Nm |
| Mass moment of inertia, gearbox | 1.431 kgcm² |
| Max. output torque | 192 Nm |
| Max. efficiency | 97 % |
| Torsional rigidity | 18 Nm/arcmin |
| Product weight | 6000 g |
| Permissible axial shaft load | 2500 N |
| Permissible radial shaft load | 1750 N |
| Gearbox interface, output shaft | 120G |
| Gearbox interface, actuator | 100A |
| Note on materials | RoHS compliant |