| Engineering data | | |
|---|---|---|
| Ratio | 3 | |
| Number of stages | 1 | |
| Rated output torque | 3.5 | Nm |
| Cycling output torque | 11 | Nm |
| Max output torque | 11 | Nm |
| Emergency output torque | 22 | Nm |
| Rated input speed | 5000 | rpm |
| Max input speed | 18000 | rpm |
| Efficiency* | 98 | % |
| Operating temperature | <-25; 90> | °C |
| Backlash | < 15 | arcmin |
| Service life | 20000 | h |
| Running noise | 58 | dB(A) |
| Torsional stiffness | 1.00 | Nm/arcmin |

** at rated speed & torque*

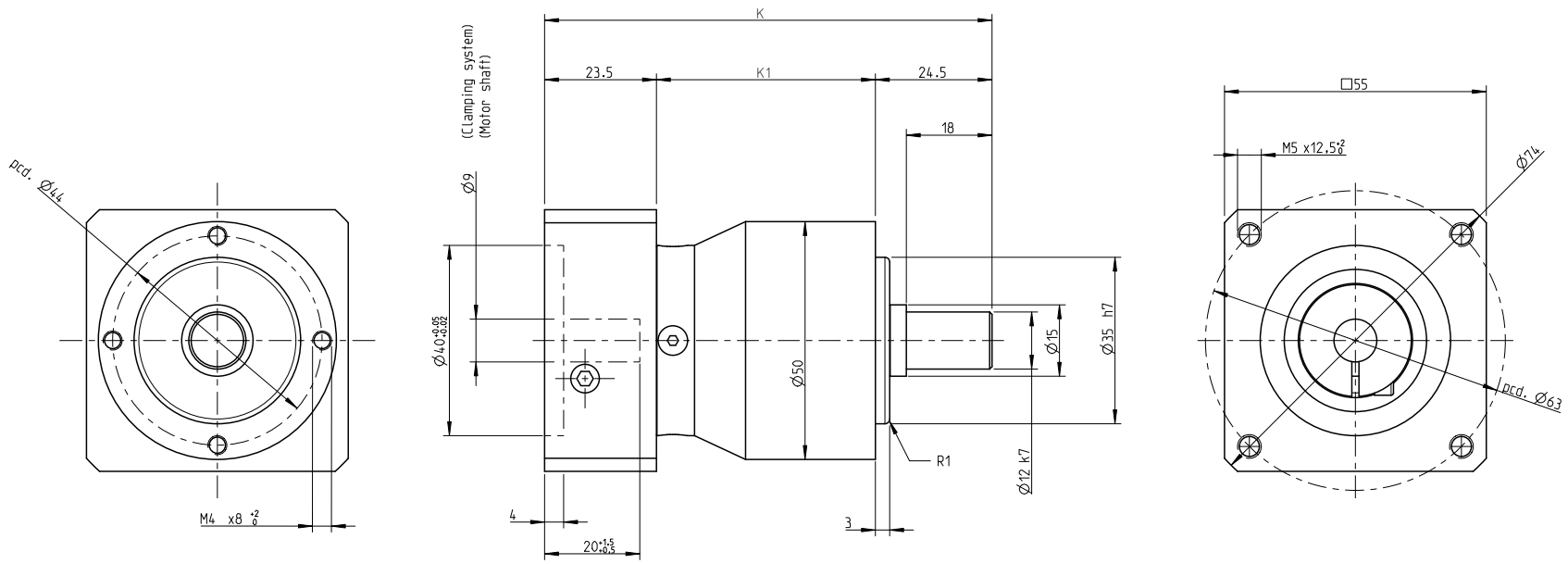
| Lubrication | |
|---|---|
| Type | Standard |
| Lubricant | Grease (lifetime lubrication) |

| Customs info | |
|---|---|
| HS Code | 84834090 |

| Mechanical data | | |
|---|---|---|
| Radial force for 20'000h* | 800 | N |
| Radial force for 30'000h* | 700 | N |
| Max. radial force* | 1300 | N |
| Axial force for 20'000h | 1000 | N |
| Axial force for 30'000h | 800 | N |
| Max. axial force | 1000 | N |
| Protection | IP54 | |
| Input inertia | 0.04 | kgcm2 |
| Mass | 0.61 | kg |
| Tilting moment for 20'000h | 26 | Nm |
| Tilting moment for 30'000h | 22 | Nm |
| Max. bending moment | 4 | Nm |
| Output shaft design | Smooth shaft | |

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

| Supported motors | |
|---|---|
| Motor types | TGN2, TGT2, TGH2 |
| Clamping diameter | 9 mm |
| Input flange | Motor adaptation - one part |
| Installation position | Any |




| NO OF STAGES | K | K1 |
|---|---|---|
| I. stage | 94 | 46 |
| II. stage | 106,5 | 58,5 |

| INDEX | ZMĚNA | DATUM | PODPIS | | |
|---|---|---|---|---|---|
| ZM.MAT. | | | T.O. | HMOTNOST kg | MĚŘ. |
| ROZM.-POLOT. | | | | | |
| ROZM. ZAŘ. | | | | ČSN | TŘ.Č. |
| VYPR. | | NORM. REF. | | POZN. | Č. KUSOVNÍKU |
| PŘEKR. | | | | | |
| TECHNOL. | | SCHVÁLIL. | 12.9.2020 | STARÝ V. | Č.V. |
| NÁZEV | | | | | |
| Gearbox SG050 | | | | TGN2, TGH2, TGT2 | |
| | | | | Listů | List |