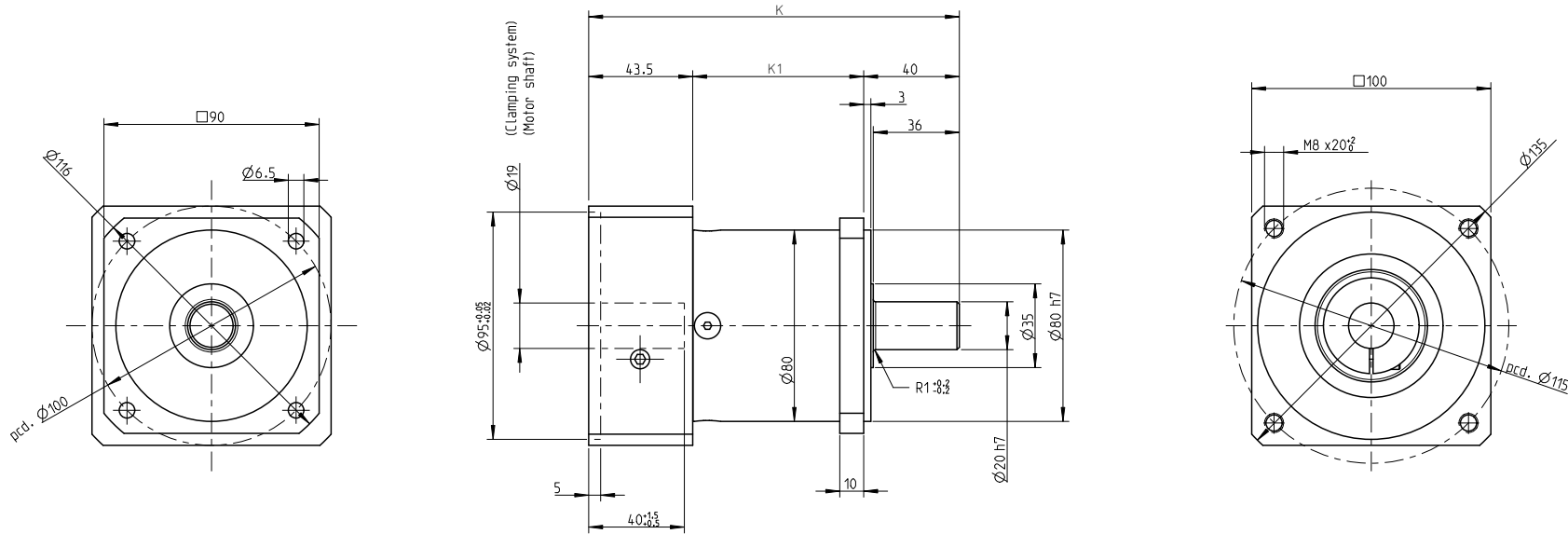


| Engineering data        |                 | Mechanical data            |                        |
|-------------------------|-----------------|----------------------------|------------------------|
| Ratio                   | 25              | Radial force for 20'000h   | 2050 N*                |
| Number of stages        | 2               | Radial force for 30'000h   | 1700 N*                |
| Rated output torque     | 93 Nm           | Max. radial force          | 2500 N*                |
| Cycling output torque   | 110 Nm          | Axial force for 20'000h    | 2500 N                 |
| Max output torque       | 176 Nm          | Axial force for 30'000h    | 2000 N                 |
| Emergency output torque | 220 Nm          | Max. axial force           | 3800 N                 |
| Rated input speed       | 4000 rpm        | Protection                 | IP54                   |
| Max input speed         | 7000 rpm        | Input inertia              | 0.41 kgcm <sup>2</sup> |
| Efficiency              | 95 %*           | Mass                       | 3.45 kg                |
| Operating temperature   | <-25; 90> °C    | Tilting moment for 20'000h | 101 Nm                 |
| Backlash                | < 9 arcmin      | Tilting moment for 30'000h | 84 Nm                  |
| Service life            | 20000 h         | Max. bending moment        | 16 Nm                  |
| Running noise           | 60 dB(A)        | Output shaft design        | Smooth shaft           |
| Torsional stiffness     | 11.35 Nm/arcmin |                            |                        |

\* at rated speed & torque

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

| Lubrication  |                               | Supported motors      |                             |
|--------------|-------------------------------|-----------------------|-----------------------------|
| Type         | Standard                      | Motor types           | TGN4, TGT4, TGH4            |
| Lubricant    | Grease (lifetime lubrication) | Clamping diameter     | 19 mm                       |
| Customs info |                               | Input flange          | Motor adaptation - one part |
| HS Code      | 84834090                      | Installation position | Any                         |



| NO OF STAGES | K     | K1    |
|--------------|-------|-------|
| I. stage     | 155   | 71.5  |
| II. stage    | 172.5 | 89    |
| III. stage   | 190   | 106.5 |

| INDEX        | ZMĚNA          | DATUM     | PODPIS |                  |              |
|--------------|----------------|-----------|--------|------------------|--------------|
| ZM.MAT.      |                |           | T.O.   | HMOTNOST kg      | MĚŘ.         |
| ROZM.-POLOT. |                |           |        | ČSN              | TR.Č.        |
| ROZM. ZAR.   |                |           |        | POZN.            | Č. KUSOVNÍKU |
| VYPR.        | NORM. REF.     |           |        | STARÝ V.         | Č.V.         |
| PŘEKR.       |                |           |        |                  |              |
| TECHNOL.     | SCHVÁLIL.      | 12.9.2020 |        |                  |              |
| NÁZEV        | Gearbox SGQ080 |           |        | TGN4, TGH4, TGT4 |              |
|              |                |           |        | Listů            | List         |