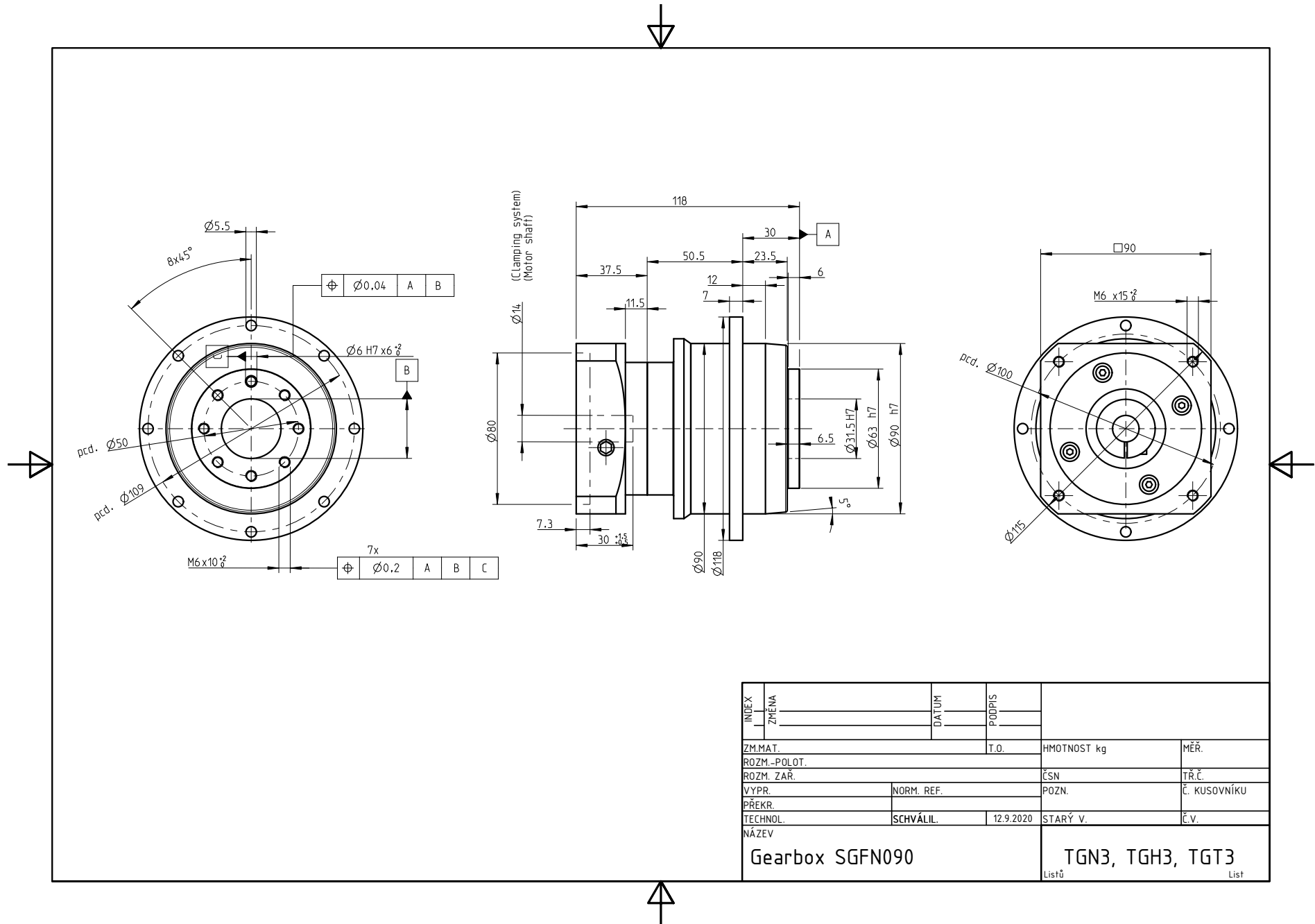


| Engineering data          |                                    | Mechanical data            |                                                   |
|---------------------------|------------------------------------|----------------------------|---------------------------------------------------|
| Ratio                     | 50                                 | Radial force for 20'000h   | 3950 N                                            |
| Number of stages          | 2                                  | Radial force for 30'000h   | 3500 N                                            |
| Rated output torque       | 65 Nm                              | Max. radial force          | 3950 N                                            |
| Cycling output torque     | 135 Nm                             | Axial force for 20'000h    | 8200 N                                            |
| Max output torque         | 215 Nm                             | Axial force for 30'000h    | 7200 N                                            |
| Emergency output torque   | 250 Nm                             | Max. axial force           | 8200 N                                            |
| Rated input speed         | 4500 rpm                           | Protection                 | IP65                                              |
| Max input speed           | 14000 rpm                          | Input inertia              | 0.21 kgcm <sup>2</sup>                            |
| Efficiency                | 92 %*                              | Mass                       | 3.37 kg                                           |
| Operating temperature     | <-25; 90> °C                       | Tilting moment for 20'000h | 326 Nm                                            |
| Backlash                  | < 1 arcmin                         | Tilting moment for 30'000h | 289 Nm                                            |
| Service life              | 20000 h                            | Max. bending moment        | 18 Nm                                             |
| Running noise             | 62 dB(A)                           | Output shaft design        | Flange with dowel hole                            |
| Torsional stiffness       | 32.50 Nm/arcmin                    |                            |                                                   |
| * at rated speed & torque |                                    |                            |                                                   |
| Lubrication               |                                    | Supported motors           |                                                   |
| Type                      | Standard                           | Motor types                | TGN3, TGT3, TGH3                                  |
| Lubricant                 | Castrol Optigear Synthetic 800/150 | Clamping diameter          | 14 mm                                             |
| Customs info              |                                    | Input flange               | Motor adaptation - 2 part, round universal flange |
| HS Code                   | 84834090                           | Installation position      | Any                                               |



|              |                 |           |          |                  |              |
|--------------|-----------------|-----------|----------|------------------|--------------|
| INDEX        | ZMĚNA           | DATUM     | PODPIS   |                  |              |
| ZM.MAT.      |                 |           | T.O.     | HMOTNOST kg      | MĚŘ.         |
| ROZM.-POLOT. |                 |           |          |                  |              |
| ROZM. ZAR.   |                 |           |          | ČSN              | TR.Č.        |
| VYPR.        | NORM. REF.      |           |          | POZN.            | Č. KUSOVNÍKU |
| PŘEKR.       |                 |           |          |                  |              |
| TECHNOL.     | SCHVÁLIL.       | 12.9.2020 | STARÝ V. | Č.V.             |              |
| NÁZEV        | Gearbox SGFN090 |           |          | TGN3, TGH3, TGT3 |              |
|              |                 |           |          | Listů            | List         |