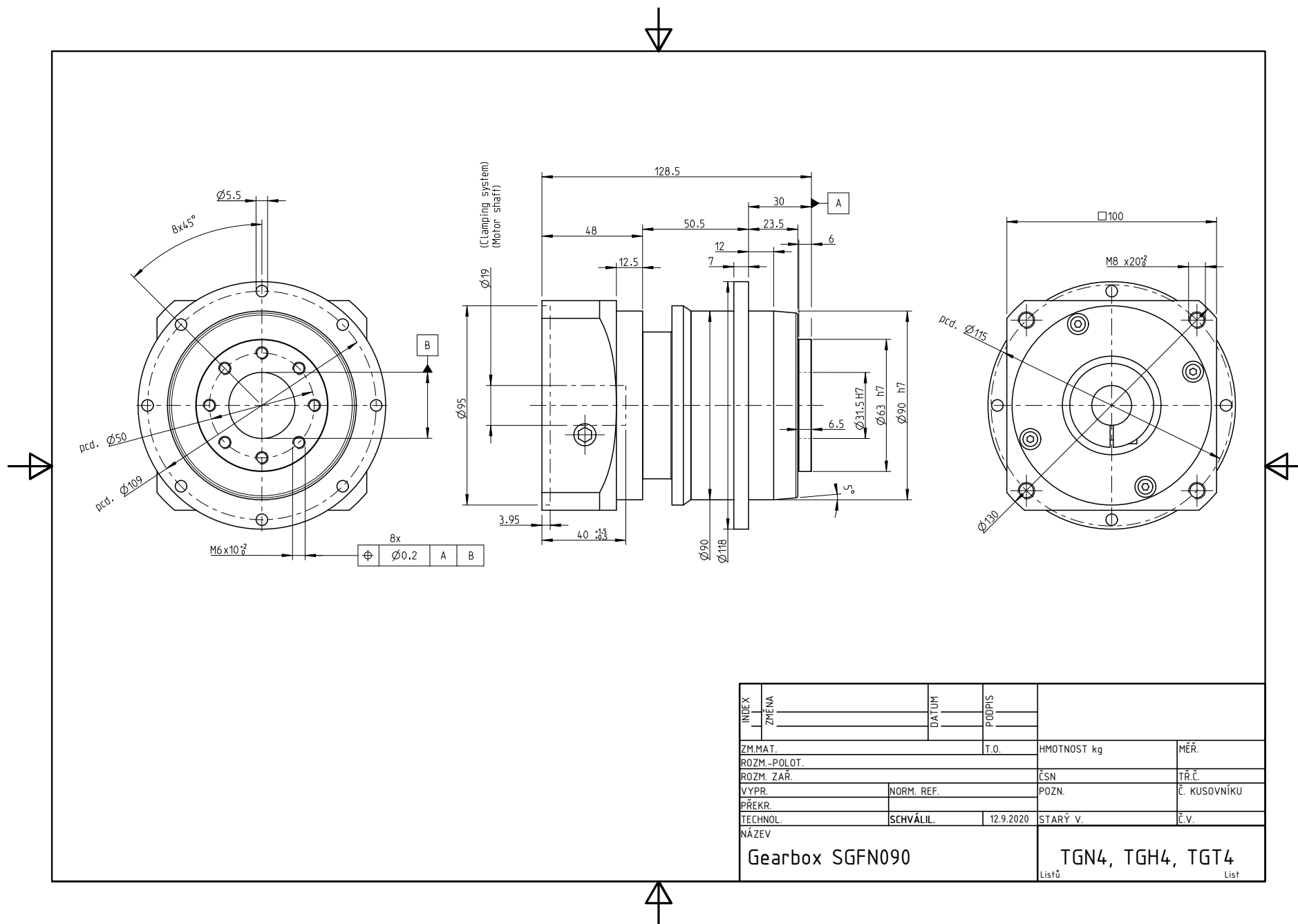


| Engineering data        |                 | Mechanical data            |                        |
|-------------------------|-----------------|----------------------------|------------------------|
| Ratio                   | 50              | Radial force for 20'000h   | 3950 N                 |
| 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              | 0.54 kgcm <sup>2</sup> |
| Efficiency              | 92 %*           | Mass                       | 3.85 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                 |
| Torsional stiffness     | 32.50 Nm/arcmin |                            |                        |

\* at rated speed & torque

| Lubrication  |                                    | Supported motors      |                                                   |
|--------------|------------------------------------|-----------------------|---------------------------------------------------|
| Type         | Standard                           | Motor types           | TGN4, TGT4, TGH4                                  |
| Lubricant    | Castrol Optigear Synthetic 800/150 | Clamping diameter     | 19 mm                                             |
|              |                                    | Input flange          | Motor adaptation - 2 part, round universal flange |
| Customs info |                                    | Installation position | Any                                               |
| HS Code      | 84834090                           |                       |                                                   |



|              |                 |           |          |                  |              |
|--------------|-----------------|-----------|----------|------------------|--------------|
| INDEX        | ZMĚNA           | DATUM     | PODPIS   |                  |              |
| ZM.MAT.      |                 |           | T.O.     | HMOTNOST kg      | MĚŘ.         |
| ROZM.-POLOT. |                 |           |          |                  |              |
| ROZM. ZAR.   |                 |           |          | ČSN              | TRČ.         |
| VYPR.        | NORM. REF.      |           |          | POZN.            | Č. KUSOVNÍKU |
| PŘEKR.       |                 |           |          |                  |              |
| TECHNOL.     | SCHVÁLIL.       | 12.9.2020 | STARÝ V. | Č.V.             |              |
| NÁZEV        | Gearbox SGFN090 |           |          | TGN4, TGH4, TGT4 |              |
|              |                 |           |          | Listů            | List         |