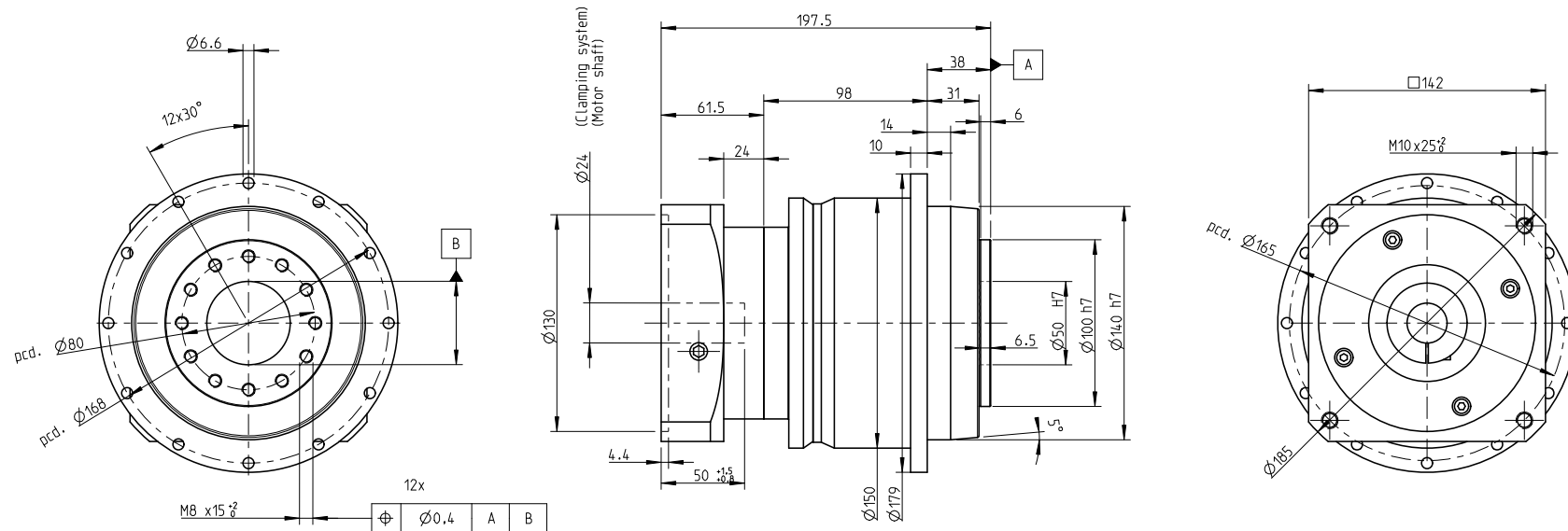


| Engineering data        |                  | Mechanical data            |                        |
|-------------------------|------------------|----------------------------|------------------------|
| Ratio                   | 20               | Radial force for 20'000h   | 12000 N                |
| Number of stages        | 2                | Radial force for 30'000h   | 11000 N                |
| Rated output torque     | 500 Nm           | Max. radial force          | 12000 N                |
| Cycling output torque   | 1000 Nm          | Axial force for 20'000h    | 8500 N                 |
| Max output torque       | 1540 Nm          | Axial force for 30'000h    | 7500 N                 |
| Emergency output torque | 2000 Nm          | Max. axial force           | 8500 N                 |
| Rated input speed       | 2100 rpm         | Protection                 | IP65                   |
| Max input speed         | 8500 rpm         | Input inertia              | 2.42 kgcm <sup>2</sup> |
| Efficiency              | 96 %*            | Mass                       | 14.81 kg               |
| Operating temperature   | <-25; 90> °C     | Tilting moment for 20'000h | 1219 Nm                |
| Backlash                | < 5 arcmin       | Tilting moment for 30'000h | 1117 Nm                |
| Service life            | 20000 h          | Max. bending moment        | 80 Nm                  |
| Running noise           | 70 dB(A)         | Output shaft design        | Flange                 |
| Torsional stiffness     | 223.00 Nm/arcmin |                            |                        |

\* at rated speed & torque

| Lubrication  |                                       | Supported motors      |                                                      |
|--------------|---------------------------------------|-----------------------|------------------------------------------------------|
| Type         | Standard                              | Motor types           | TGN5, TGT5, TGH5                                     |
| Lubricant    | Castrol Optigear Synthetic<br>800/150 | Clamping diameter     | 24 mm                                                |
|              |                                       | Input flange          | Motor adaptation - 2 part,<br>round universal flange |
| Customs info |                                       | Installation position | Any                                                  |
| HS Code      | 84834090                              |                       |                                                      |



|                 |            |           |           |                  |              |
|-----------------|------------|-----------|-----------|------------------|--------------|
| 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 SGFN140 |            |           |           | TGN5, TGH5, TGT5 |              |
|                 |            |           |           | Listů            | List         |