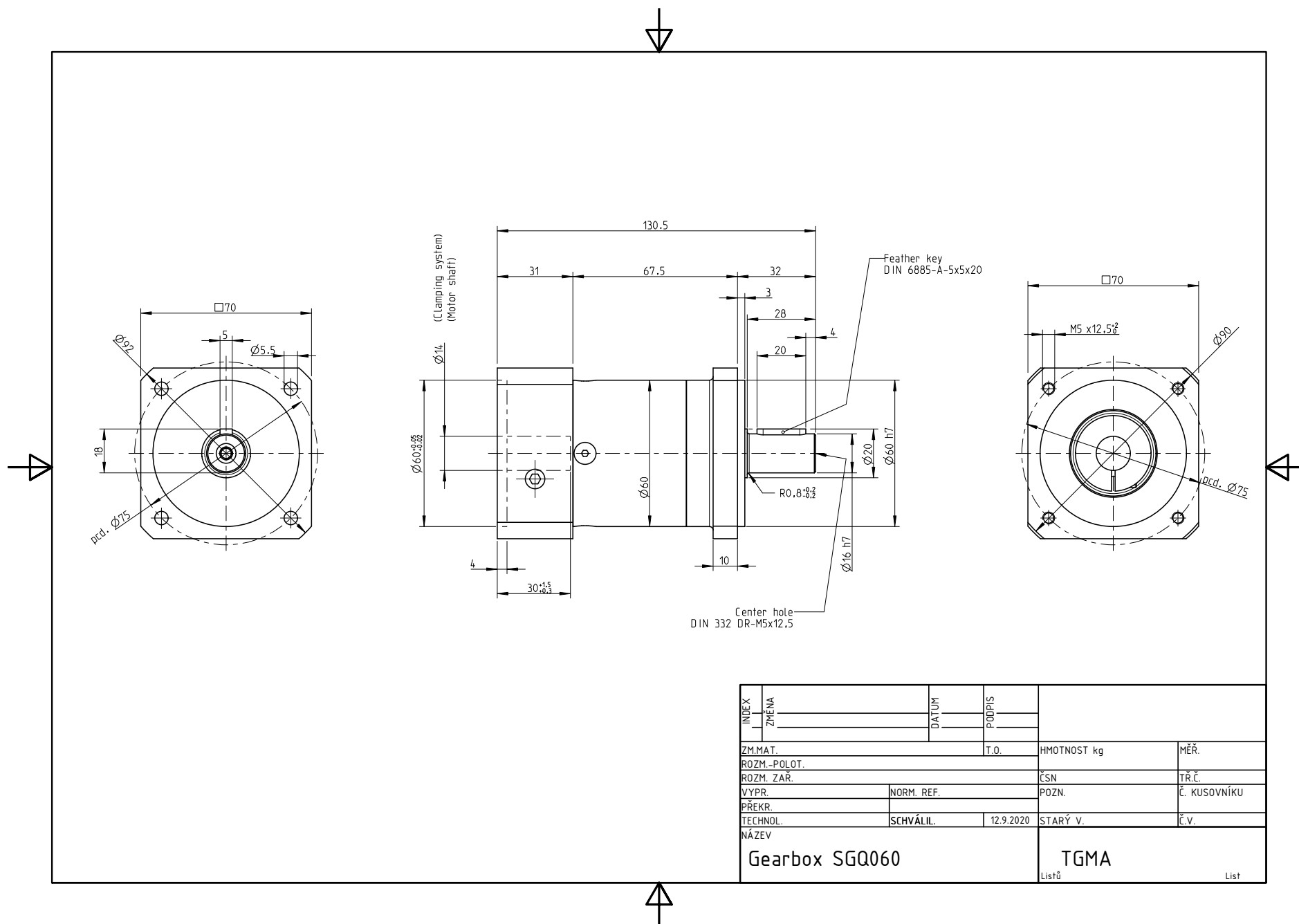


| Engineering data          |                               | Mechanical data                                        |                             |
|---------------------------|-------------------------------|--------------------------------------------------------|-----------------------------|
| Ratio                     | 40                            | Radial force for 20'000h                               | 900 N*                      |
| Number of stages          | 2                             | Radial force for 30'000h                               | 700 N*                      |
| Rated output torque       | 40 Nm                         | Max. radial force                                      | 1500 N*                     |
| Max output torque         | 24 Nm                         | Axial force for 20'000h                                | 1000 N                      |
| Emergency output torque   | 64 Nm                         | Axial force for 30'000h                                | 800 N                       |
| Rated input speed         | 4500 rpm                      | Max. axial force                                       | 1950 N                      |
| Max input speed           | 13000 rpm                     | Protection                                             | IP54                        |
| Efficiency                | 89 %*                         | Input inertia                                          | 0.07 kgcm <sup>2</sup>      |
| Operating temperature     | <-25; 90> °C                  | Mass                                                   | 1.50 kg                     |
| Backlash                  | < 12 arcmin                   | Tilting moment for 20'000h                             | 37 Nm                       |
| Service life              | 20000 h                       | Tilting moment for 30'000h                             | 29 Nm                       |
| Running noise             | 58 dB(A)                      | Max. bending moment                                    | 12 Nm                       |
| Torsional stiffness       | 3.80 Nm/arcmin                | Output shaft design                                    | Shaft key                   |
| * at rated speed & torque |                               | * Defined for point of action at ½ output shaft length |                             |
| Lubrication               |                               | Supported motors                                       |                             |
| Type                      | Standard                      | Motor types                                            | TGMA                        |
| Lubricant                 | Grease (lifetime lubrication) | Clamping diameter                                      | 11 mm                       |
| Customs info              |                               | Input flange                                           | Motor adaptation - one part |
| 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 SGQ060 |           |        | TGMA        |              |
|              |                |           |        | Listů       | List         |