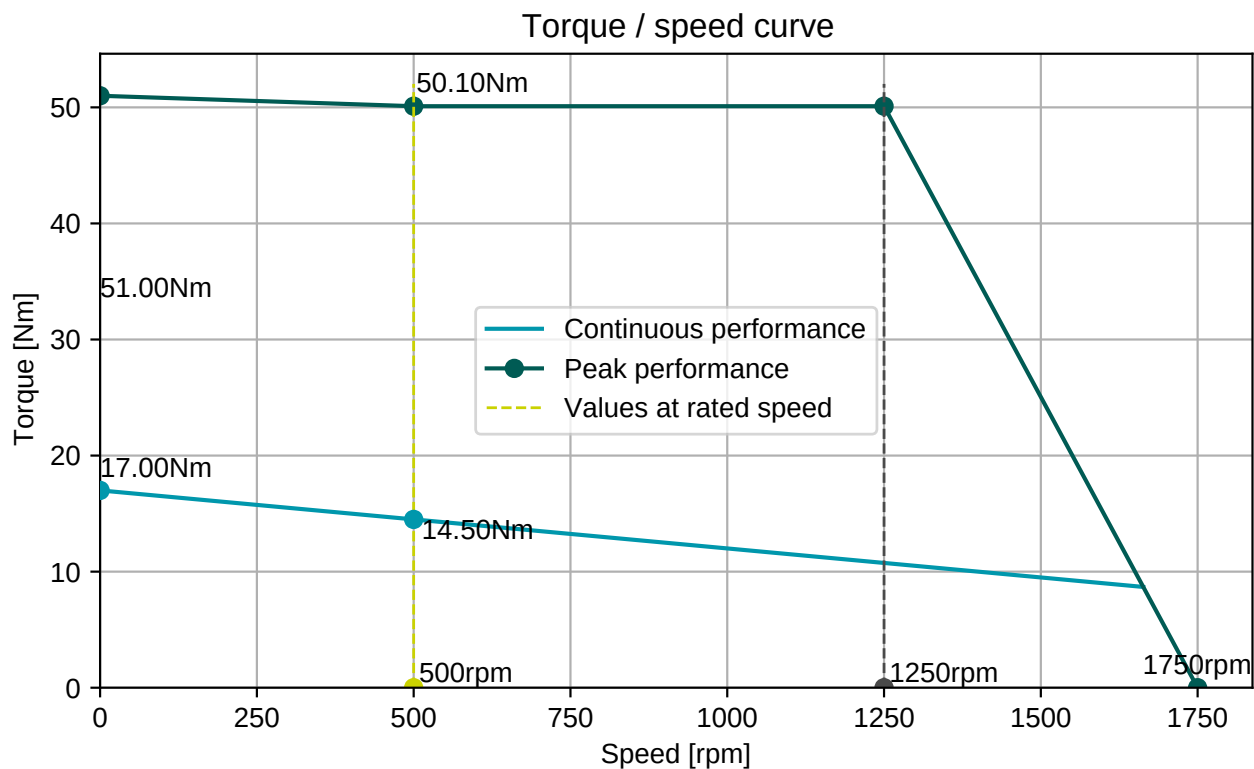


| Engineering data (WIN 831)           |                             | Mechanical data (setting 6) |                        |
|--------------------------------------|-----------------------------|-----------------------------|------------------------|
| DC bus voltage                       | 320 V DC                    | Max mechanical speed        | 12000 rpm              |
| Nominal AC voltage                   | 200 V AC (rms)              | Mech. time constant         | 0.76 ms                |
| Rated voltage                        | 63 V AC (rms)               | Thermal time constant       | 95 min                 |
| Rated power                          | 759 W                       | Rotor inertia               | 24.4 kgcm <sup>2</sup> |
| Rated speed                          | 500 rpm                     | Protection                  | IP00                   |
| Rated torque                         | 14.50 Nm                    | Color                       | RAL 9005               |
| Rated current                        | 8.38 A (rms)                | Cooling                     | Convection             |
| Peak torque                          | 51 Nm                       | Motor-only mass             | 7 kg                   |
| Peak current                         | 35.2 A (rms)                | <b>Sensors</b>              |                        |
| Stall torque                         | 17 Nm                       | Temperature                 | PT1000 {PT1000}        |
| Stall current                        | 9 A (rms)                   |                             |                        |
| No load speed                        | 1750 rpm                    |                             |                        |
| EMF constant ±10%                    | 114 V AC (rms)<br>/ 1000rpm |                             |                        |
| Theoretical torque<br>constant ±10%  | 1.89 Nm / A<br>(rms)        |                             |                        |
| Torque constant ±10%<br>@ rated load | 1.73 Nm / A<br>(rms)        |                             |                        |
| Number of poles                      | 22                          |                             |                        |
| Electrical time constant             | 3.28 ms                     |                             |                        |
| Winding terminal<br>resistance       | 0.64 Ω                      |                             |                        |
| Rotary field terminal<br>inductance  | 2.1 mH                      |                             |                        |
| Customs info                         |                             |                             |                        |
| HS Code                              | 85015220                    |                             |                        |



#### Connector 1 (259)

**white** U

**blue** V

**red** W

2x Therm

2x Brake

