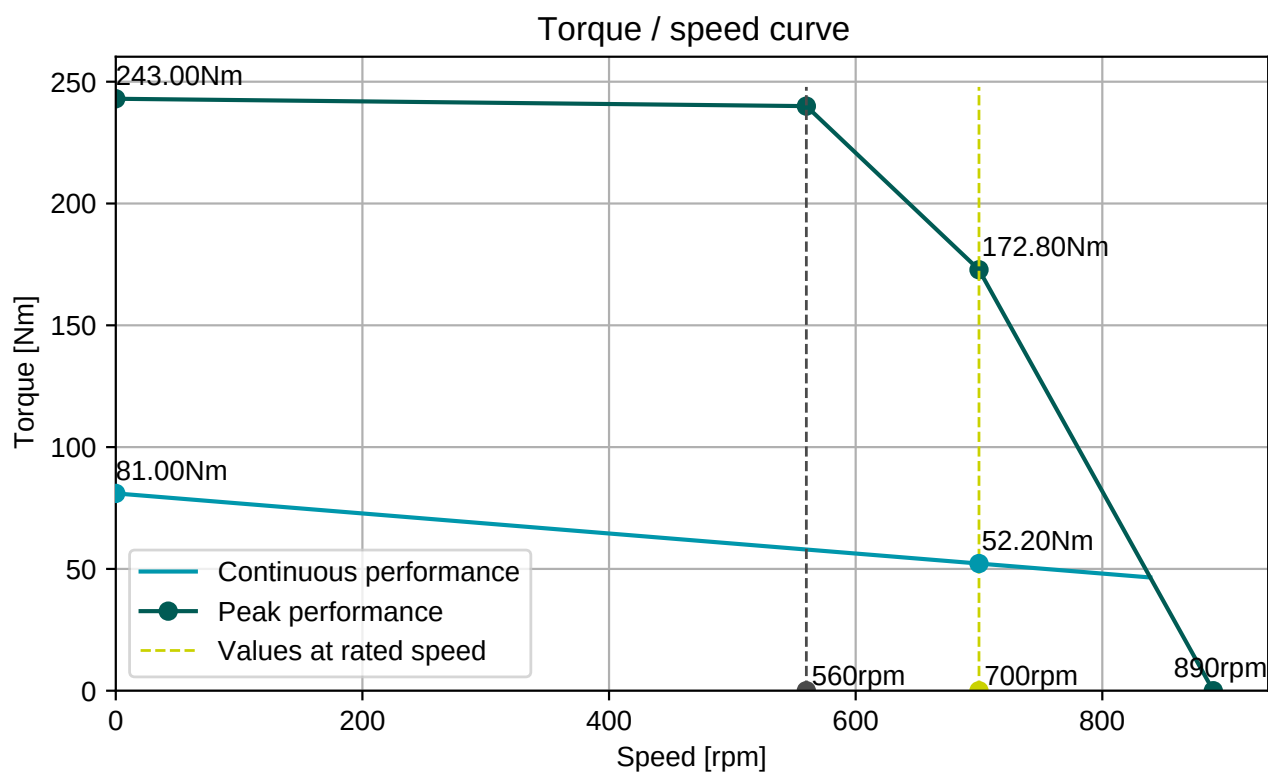


| Engineering data (WIN -502)          |                             | Mechanical data (setting 6) |                       |
|--------------------------------------|-----------------------------|-----------------------------|-----------------------|
| DC bus voltage                       | 320 V DC                    | Max mechanical speed        | 4000 rpm              |
| Nominal AC voltage                   | 220 V AC (rms)              | Mech. time constant         | 1.10 ms               |
| Rated voltage                        | 183 V AC (rms)              | Thermal time constant       | 71 min                |
| Rated power                          | 3.8 kW                      | Rotor inertia               | 230 kgcm <sup>2</sup> |
| Rated speed                          | 700 rpm                     | Protection                  | IP00                  |
| Rated torque                         | 52.20 Nm                    | Color                       | RAL 9005              |
| Rated current                        | 13.58 A (rms)               | Cooling                     | Convection            |
| Peak torque                          | 243 Nm                      | Motor-only mass             | 11.5 kg               |
| Peak current                         | 71.14 A (rms)               | <b>Sensors</b>              |                       |
| Stall torque                         | 81 Nm                       | Temperature                 | PT1000 {PT1000}       |
| Stall current                        | 19.83 A (rms)               |                             |                       |
| No load speed                        | 890 rpm                     |                             |                       |
| EMF constant ±10%                    | 247 V AC (rms)<br>/ 1000rpm |                             |                       |
| Theoretical torque<br>constant ±10%  | 4.09 Nm / A<br>(rms)        |                             |                       |
| Torque constant ±10%<br>@ rated load | 3.84 Nm / A<br>(rms)        |                             |                       |
| Number of poles                      | 38                          |                             |                       |
| Electrical time constant             | 3.59 ms                     |                             |                       |
| Winding terminal<br>resistance       | 0.46 Ω                      |                             |                       |
| Rotary field terminal<br>inductance  | 1.65 mH                     |                             |                       |
| Customs info                         |                             |                             |                       |
| HS Code                              | 85015220                    |                             |                       |



#### Connector 1 (259)

**white** U

**blue** V

**red** W

2x Therm

2x Brake

