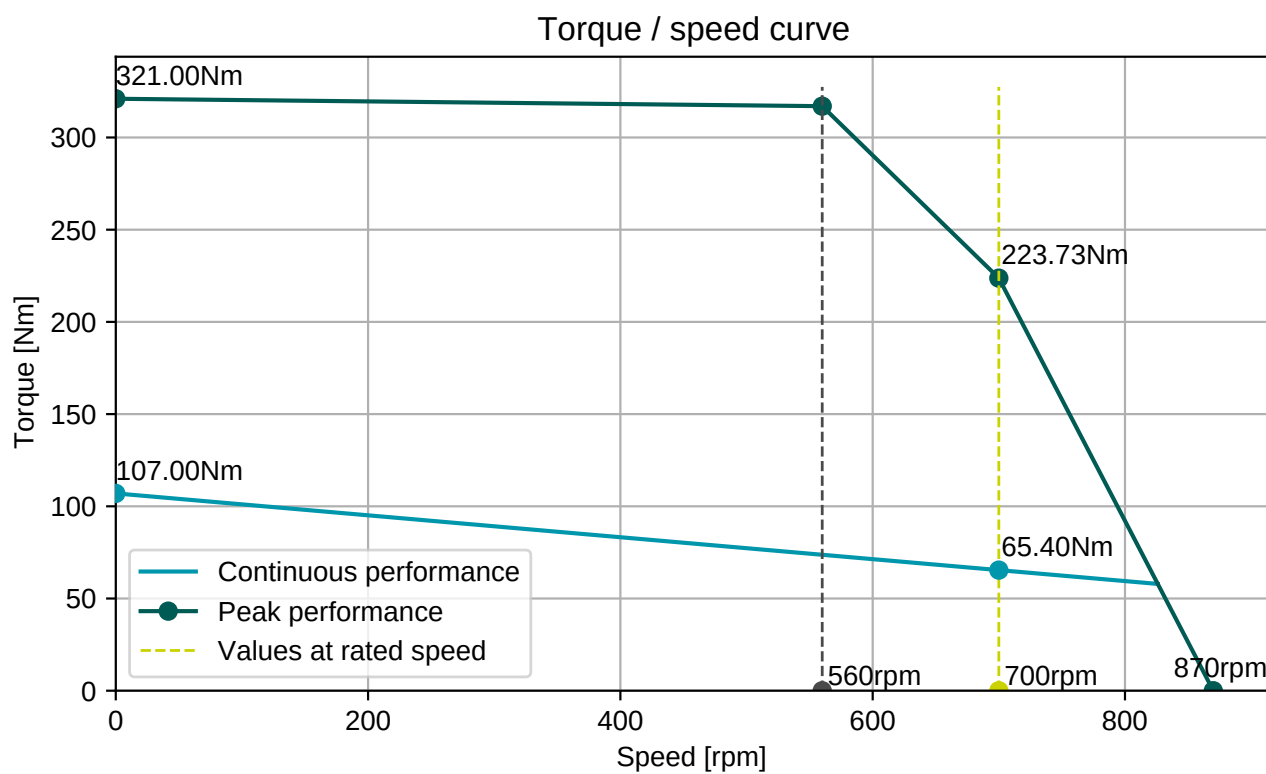


| Engineering data (WIN -503)          |                             | Mechanical data (setting 6) |                       |
|--------------------------------------|-----------------------------|-----------------------------|-----------------------|
| DC bus voltage                       | 320 V DC                    | Max mechanical speed        | 4000 rpm              |
| Nominal AC voltage                   | 220 V AC (rms)              | Mech. time constant         | 0.96 ms               |
| Rated voltage                        | 185 V AC (rms)              | Thermal time constant       | 81 min                |
| Rated power                          | 4.8 kW                      | Rotor inertia               | 300 kgcm <sup>2</sup> |
| Rated speed                          | 700 rpm                     | Protection                  | IP00                  |
| Rated torque                         | 65.40 Nm                    | Color                       | RAL 9005              |
| Rated current                        | 16.81 A (rms)               | Cooling                     | Convection            |
| Peak torque                          | 321 Nm                      | Motor-only mass             | 15.8 kg               |
| Peak current                         | 92.37 A (rms)               | <b>Sensors</b>              |                       |
| Stall torque                         | 107 Nm                      | Temperature                 | PT1000 {PT1000}       |
| Stall current                        | 25.77 A (rms)               |                             |                       |
| No load speed                        | 870 rpm                     |                             |                       |
| EMF constant ±10%                    | 251 V AC (rms)<br>/ 1000rpm |                             |                       |
| Theoretical torque<br>constant ±10%  | 4.15 Nm / A<br>(rms)        |                             |                       |
| Torque constant ±10%<br>@ rated load | 3.89 Nm / A<br>(rms)        |                             |                       |
| Number of poles                      | 38                          |                             |                       |
| Electrical time constant             | 4.00 ms                     |                             |                       |
| Winding terminal<br>resistance       | 0.32 Ω                      |                             |                       |
| Rotary field terminal<br>inductance  | 1.28 mH                     |                             |                       |
| Customs info                         |                             |                             |                       |
| HS Code                              | 85015220                    |                             |                       |



#### Connector 1 (259)

**white** U

**blue** V

**red** W

2x Therm

2x Brake

