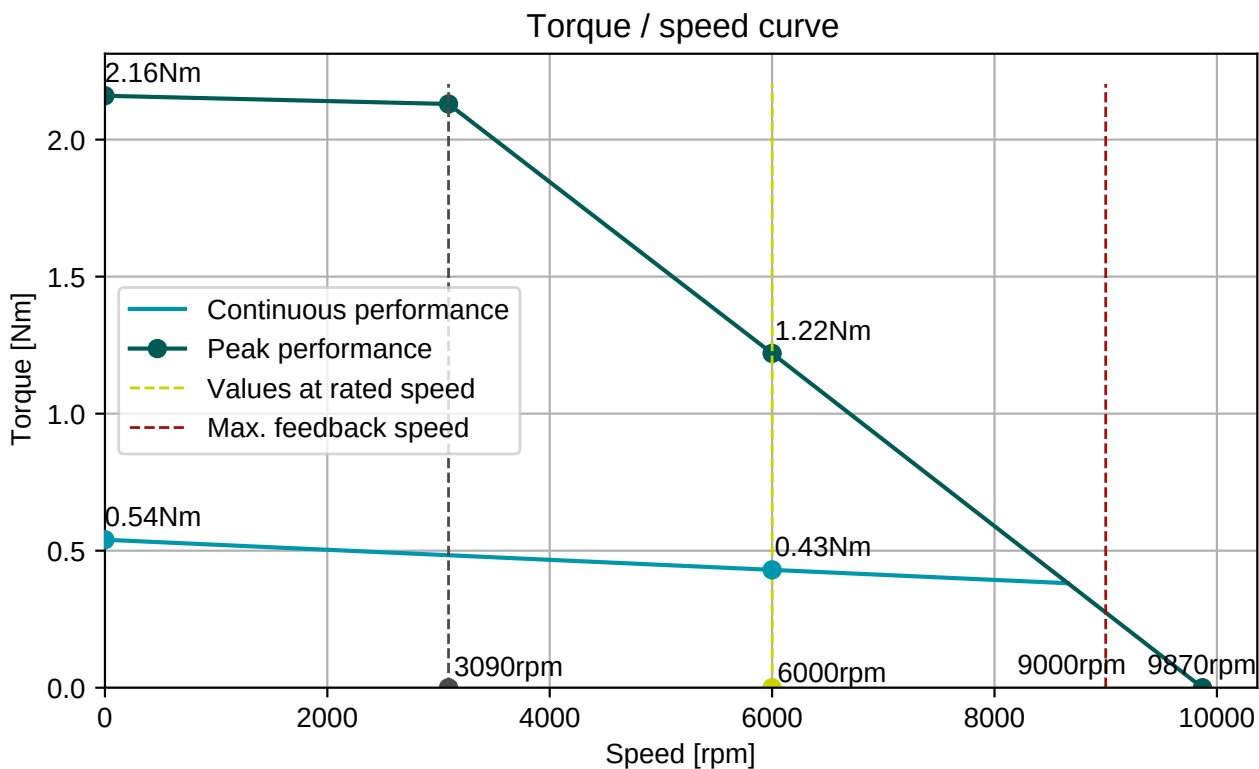


| Engineering data (WIN 750)           |                            | Mechanical data (setting 48)                                                                    |                        |
|--------------------------------------|----------------------------|-------------------------------------------------------------------------------------------------|------------------------|
| DC bus voltage                       | 320 V DC                   | Max mechanical speed                                                                            | 12000 rpm              |
| Nominal AC voltage                   | 220 V AC (rms)             | Mech. time constant                                                                             | 1.45 ms                |
| Rated voltage                        | 161 V AC (rms)             | Thermal time constant                                                                           | 12 min                 |
| Rated power                          | 270 W                      | Rotor inertia                                                                                   | 0.07 kgcm <sup>2</sup> |
| Rated speed                          | 6000 rpm                   | Protection                                                                                      | IP64                   |
| Rated torque                         | 0.43 Nm                    | Color                                                                                           | RAL 9005               |
| Rated current                        | 1.3 A (rms)                | Cooling                                                                                         | Convection             |
| Peak torque                          | 2.16 Nm                    | Motor-only mass                                                                                 | 0.9 kg                 |
| Peak current                         | 6.8 A (rms)                | Max. axial force 20kh                                                                           | 35 N                   |
| Stall torque                         | 0.54 Nm                    | Max. radial force 20kh                                                                          | 186 N*                 |
| Stall current                        | 1.48 A (rms)               | Max. axial force 100kh                                                                          | 21 N                   |
| No load speed                        | 9870 rpm                   | Max. radial force 100kh                                                                         | 109 N*                 |
| EMF constant ±10%                    | 22 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                          |                        |
| Theoretical torque constant ±10%     | 0.36 Nm / A<br>(rms)       |                                                                                                 |                        |
| Torque constant ±10%<br>@ rated load | 0.33 Nm / A<br>(rms)       | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback EKM36 (HDSL) multi-turn, 17 + 12 bits |                        |
| Number of poles                      | 6                          |                                                                                                 |                        |
| Electrical time constant             | 1.25 ms                    |                                                                                                 |                        |
| Winding terminal resistance          | 15.82 Ω                    |                                                                                                 |                        |
| Rotary field terminal inductance     | 19.8 mH                    |                                                                                                 |                        |
| Customs info                         |                            |                                                                                                 |                        |
| HS Code                              | 85015100                   |                                                                                                 |                        |



**Cable DSL4x1 (2x0,25) , D=10,3±0,4mm**

| Connector 1 (306) |          |
|-------------------|----------|
| 1                 | U        |
| 2                 | V        |
| 3                 | W        |
| PE                | PE       |
| 5                 | Brake+   |
| 6                 | Brake-   |
| brown             | +Us/DSL+ |
| white             | GND/DSL- |

*Numbers printed on the cables*

