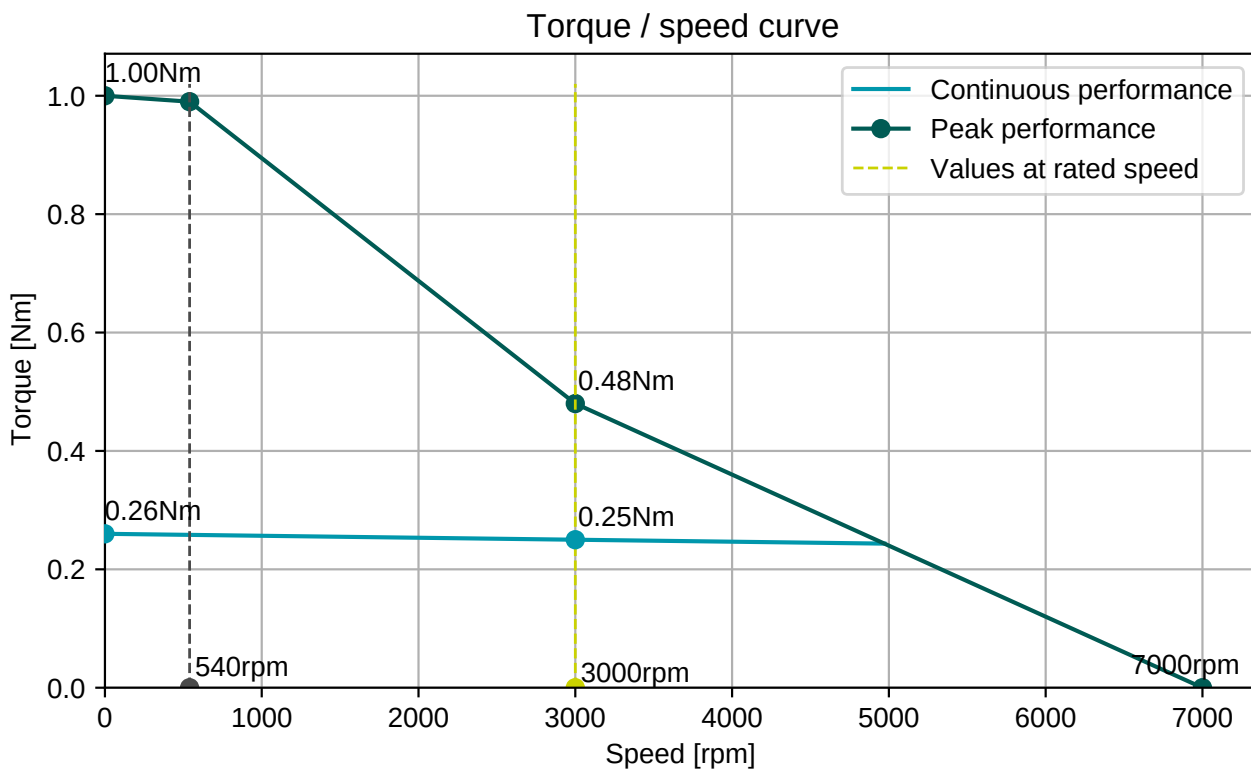
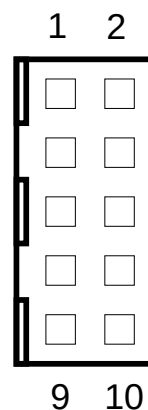
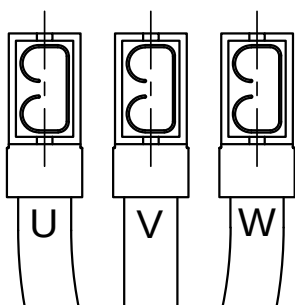


| Engineering data (WIN 628)        |                             | Mechanical data (setting 6)                                 |                                                           |
|-----------------------------------|-----------------------------|-------------------------------------------------------------|-----------------------------------------------------------|
| DC bus voltage                    | 24 V DC                     | Max mechanical speed                                        | 12000 rpm                                                 |
| Nominal AC voltage                | 15 V AC (rms)               | Mech. time constant                                         | 3.19 ms                                                   |
| Rated voltage                     | 11 V AC (rms)               | Thermal time constant                                       | 13 min                                                    |
| Rated power                       | 79 W                        | Rotor inertia                                               | 0.06 kgcm <sup>2</sup>                                    |
| Rated speed                       | 3000 rpm                    | Protection                                                  | IP64                                                      |
| Rated torque                      | 0.25 Nm                     | Color                                                       | RAL 9005                                                  |
| Rated current                     | 7.54 A (rms)                | Cooling                                                     | Convection                                                |
| Peak torque                       | 1 Nm                        | Motor-only mass                                             | 0.9 kg                                                    |
| Peak current                      | 30.8 A (rms)                | <b>Sensors</b>                                              |                                                           |
| Stall torque                      | 0.26 Nm                     | Temperature                                                 | PT1000 {PT1000}                                           |
| Stall current                     | 7.5 A (rms)                 | Feedback                                                    | 2-pole resolver ( ER5Kd411,<br>TS2620N21E11, RE-15-1-A15) |
| No load speed                     | 7000 rpm                    | <b>Note</b>                                                 |                                                           |
| EMF constant ±10%                 | 2.1 V AC (rms)<br>/ 1000rpm | Wires U,V,W (Betatherm 0,5mm <sup>2</sup> , diameter 2,7mm) |                                                           |
| Theoretical torque constant ±10%  | 0.03 Nm / A (rms)           | Actual lengths - 65mm, will be changed to 55mm              |                                                           |
| Torque constant ±10% @ rated load | 0.03 Nm / A (rms)           | Resolver and PT1000                                         |                                                           |
| Number of poles                   | 6                           | Actual lengths - 65mm, will be changed to 55mm              |                                                           |
| Electrical time constant          | 1.62 ms                     | (Changed cables lengths - 30.07.2026)                       |                                                           |
| Winding terminal resistance       | 0.37 Ω                      |                                                             |                                                           |
| Rotary field terminal inductance  | 0.6 mH                      |                                                             |                                                           |
| Customs info                      |                             |                                                             |                                                           |
| HS Code                           | 85015100                    |                                                             |                                                           |



Female Angled Terminal



Connector 1 (171)

**white** U  
**blue** V  
**red** W

*Wires ends assembled by round Female Right Angled Terminal*

Connector 2 (170)

**1** S1 (red)  
**2** S3 (black)  
**3** S4 (blue)  
**4** S2 (yellow)  
**5** R2 (yellow/white)  
**6** R1 (red/white)  
**7** Brake+  
**8** Brake-  
**9** Therm-  
**10** Therm+

