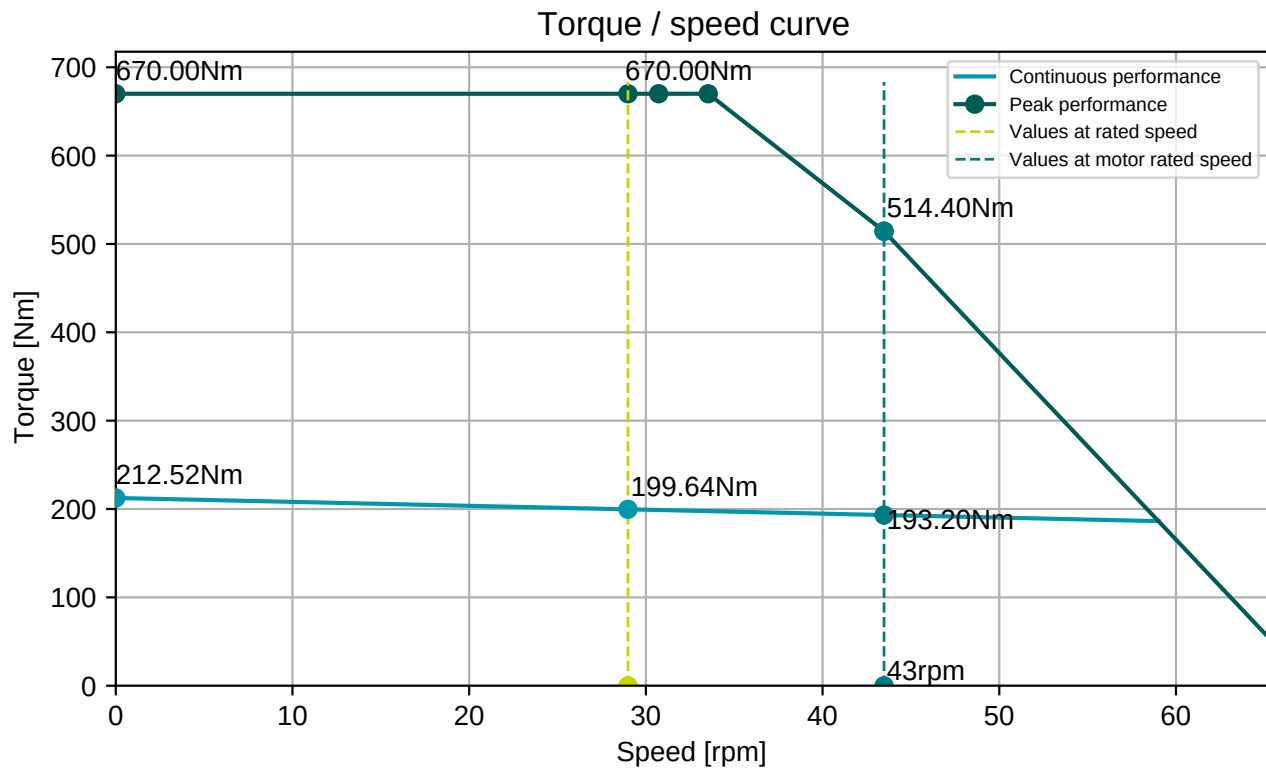


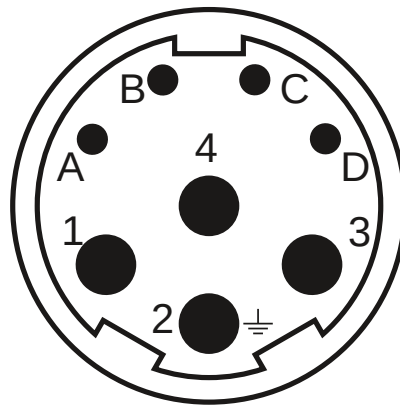
| Engineering motordata (WIN 1309)  |                         | Mechanical motor data (setting 64) |                                       |
|-----------------------------------|-------------------------|------------------------------------|---------------------------------------|
| DC bus voltage                    | 560 V DC                | Max mechanical speed               | 9000 rpm                              |
| Nominal AC voltage                | 380 V AC (rms)          | Mech. time constant                | 1.25 ms                               |
| Rated voltage                     | 269 V AC (rms)          | Thermal time constant              | 30 min                                |
| Rated power                       | 1.3 kW                  | Rotor inertia                      | 4.7 kgcm <sup>2</sup>                 |
| Rated speed                       | 3000 rpm                | Protection                         | IP64                                  |
| Rated torque                      | 4.00 Nm                 | Color                              | RAL 9005                              |
| Rated current                     | 3.16 A (rms)            | Cooling                            | Convection                            |
| Peak torque                       | 15 Nm                   | Motor-only mass                    | 10 kg                                 |
| Peak current                      | 15.8 A (rms)            | <b>Sensors</b>                     |                                       |
| Stall torque                      | 4.4 Nm                  | Temperature                        | PT1000 {PT1000}                       |
| Stall current                     | 3.28 A (rms)            | Feedback                           | EKM36 (HDSL) multi-turn, 17 + 12 bits |
| No load speed                     | 4680 rpm                | <b>Brake</b>                       |                                       |
| EMF constant ±10%                 | 81 V AC (rms) / 1000rpm | Braking torque                     | 4.50 Nm                               |
| Theoretical torque constant ±10%  | 1.34 Nm / A (rms)       | Voltage                            | 24 V DC                               |
| Torque constant ±10% @ rated load | 1.27 Nm / A (rms)       | Power @20°C                        | 12.0 W                                |
| Number of poles                   | 10                      | Current @20°C                      | 0.50 A                                |
| Electrical time constant          | 6.33 ms                 | Inertia                            | 0.20 kgcm <sup>2</sup>                |
| Winding terminal resistance       | 2.75 Ω                  | Mass                               | 0.47 kg                               |
| Rotary field terminal inductance  | 17.4 mH                 | <b>Customs info</b>                |                                       |
| HS Code                           | 85015220                |                                    |                                       |

| Gearbox engineering data  |                                     | Gearbox mechanical data              |                                |
|---------------------------|-------------------------------------|--------------------------------------|--------------------------------|
| Gear ratio                | 69                                  | Max. radial force                    | 11500 N                        |
| Efficiency                | 70 %*                               | Max. axial force                     | 17000 N                        |
| Torsional stiffness       | 22 Nm/arcmin                        | Output shaft design                  | Flange                         |
| Rated output torque       | 268 Nm                              | Mass                                 | 7.6 kg                         |
| Max output torque         | 670 Nm                              | Input inertia                        | 5.5 kgcm <sup>2</sup>          |
| Rated input speed         | 2000 rpm                            | Protection                           | IP64                           |
| Max input speed           | 4500 rpm                            | <b>Actuator data</b>                 |                                |
| Operating temperature     | <-25; 50> °C                        |                                      |                                |
| Max. backlash             | < 1 arcmin                          | Rated speed                          | 29 rpm                         |
| Service life              | 6000 h                              | Rated torque                         | 199.64 Nm                      |
| * at rated speed & torque |                                     | Peak torque                          | 670.00 Nm                      |
|                           |                                     | EMF constant ±10%                    | 5589.0 V AC (rms)<br>/ 1000rpm |
| Lubrication               |                                     | Torque constant ±10% @<br>rated load | 61.14 Nm / A<br>(rms)          |
| Type                      | Standard                            | Total mass                           | 18.07 kg                       |
| Lubricant                 | Grease Castrol TRIBOL GR TT 1<br>PD | Output inertia                       | 48562.2 kgcm <sup>2</sup>      |



**BEA120N00000200000**

M23, 8 poles, straight



**Connector 1 (297)**

|          |          |
|----------|----------|
| <b>1</b> | U        |
| <b>4</b> | V        |
| <b>3</b> | W        |
| <b>2</b> | PE       |
| <b>A</b> | Brake+   |
| <b>B</b> | Brake-   |
| <b>C</b> | +Us/DSL+ |
| <b>D</b> | GND/DSL- |

