

**Engineering data (WIN 1413)**

|                                   |                             |
|-----------------------------------|-----------------------------|
| DC bus voltage                    | 560 V DC                    |
| Nominal AC voltage                | 380 V AC (rms)              |
| Rated voltage                     | 316 V AC (rms)              |
| Rated power                       | 942 W                       |
| Rated speed                       | 500 rpm                     |
| Rated torque                      | 18.00 Nm                    |
| Rated current                     | 2.1 A (rms)                 |
| Peak torque                       | 80 Nm                       |
| Peak current                      | 9.8 A (rms)                 |
| Stall torque                      | 20 Nm                       |
| Stall current                     | 2.25 A (rms)                |
| No load speed                     | 700 rpm                     |
| EMF constant ±10%                 | 538 V AC (rms)<br>/ 1000rpm |
| Theoretical torque constant ±10%  | 8.898 Nm / A<br>(rms)       |
| Torque constant ±10% @ rated load | 8.571 Nm / A<br>(rms)       |
| Number of poles                   | 22                          |
| Electrical time constant          | 3.36 ms                     |
| Winding terminal resistance       | 15.975 Ω                    |
| Rotary field terminal inductance  | 53.6 mH                     |

**Customs info**

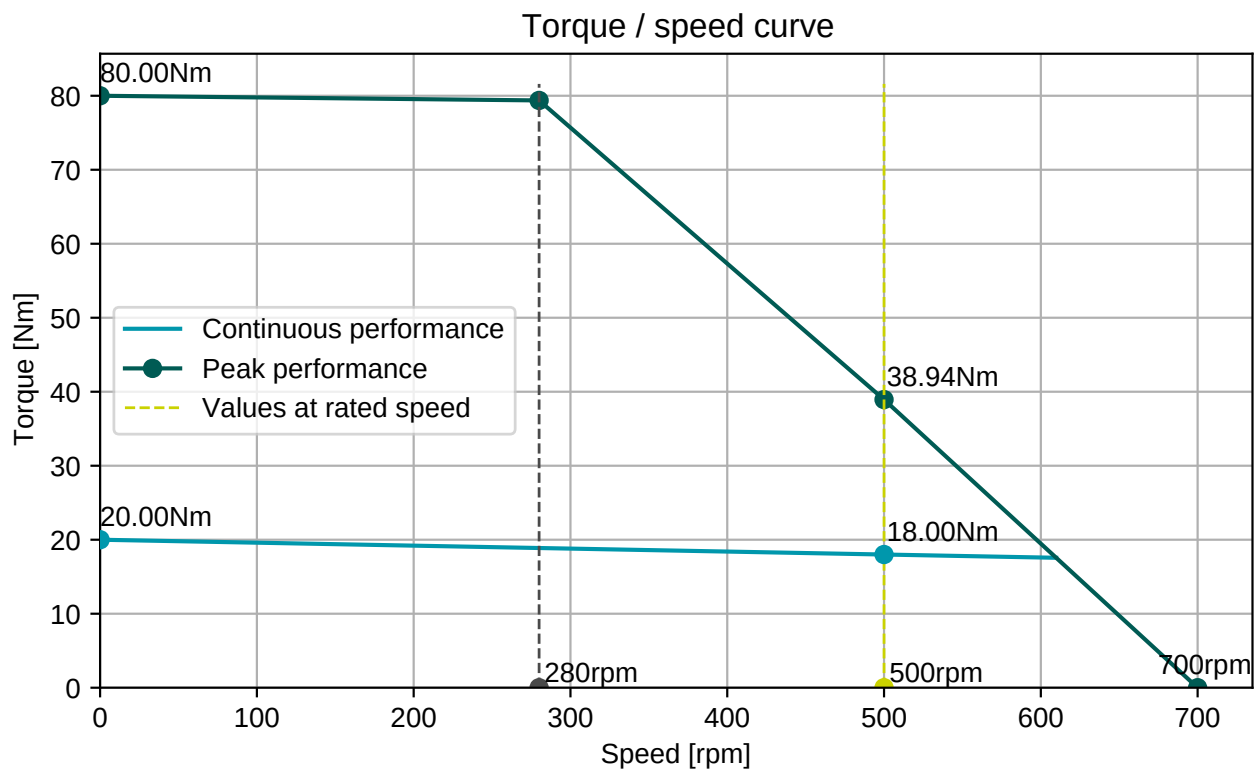
|         |          |
|---------|----------|
| HS Code | 85015220 |
|---------|----------|

**Mechanical data (setting 49)**

|                       |                        |
|-----------------------|------------------------|
| Max mechanical speed  | 6000 rpm               |
| Mech. time constant   | 0.85 ms                |
| Thermal time constant | 46 min                 |
| Rotor inertia         | 24.4 kgcm <sup>2</sup> |
| Protection            | IP64                   |
| Color                 | RAL 9005               |
| Cooling               | Convection             |
| Motor-only mass       | 5.3 kg                 |

**Sensors**

|             |                                              |
|-------------|----------------------------------------------|
| Temperature | PT1000 {PT1000}                              |
| Feedback    | SEM90 (Hiperface) multi-turn,<br>64 imp.rev. |



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

| Connector 1 (500) |          |
|-------------------|----------|
| 1                 | U        |
| 2                 | V        |
| 3                 | W        |
| PE                | PE       |
| 5                 | Brake+   |
| 6                 | Brake-   |
| brown             | +Us/DSL+ |
| white             | GND/DSL- |

*Numbers printed on the cables*

