

**Engineering data (WIN -409)**

|                                      |                             |
|--------------------------------------|-----------------------------|
| DC bus voltage                       | 560 V DC                    |
| Nominal AC voltage                   | 380 V AC (rms)              |
| Rated voltage                        | 299 V AC (rms)              |
| Rated power                          | 5.0 kW                      |
| Rated speed                          | 1000 rpm                    |
| Rated torque                         | 47.30 Nm                    |
| Rated current                        | 11.06 A (rms)               |
| Peak torque                          | 204 Nm                      |
| Peak current                         | 61.67 A (rms)               |
| Stall torque                         | 68 Nm                       |
| Stall current                        | 15.06 A (rms)               |
| No load speed                        | 1390 rpm                    |
| EMF constant ±10%                    | 273 V AC (rms)<br>/ 1000rpm |
| Theoretical torque<br>constant ±10%  | 4.52 Nm / A<br>(rms)        |
| Torque constant ±10%<br>@ rated load | 4.28 Nm / A<br>(rms)        |
| Number of poles                      | 22                          |
| Electrical time constant             | 10.94 ms                    |
| Winding terminal<br>resistance       | 0.71 Ω                      |
| Rotary field terminal<br>inductance  | 7.77 mH                     |

**Customs info**

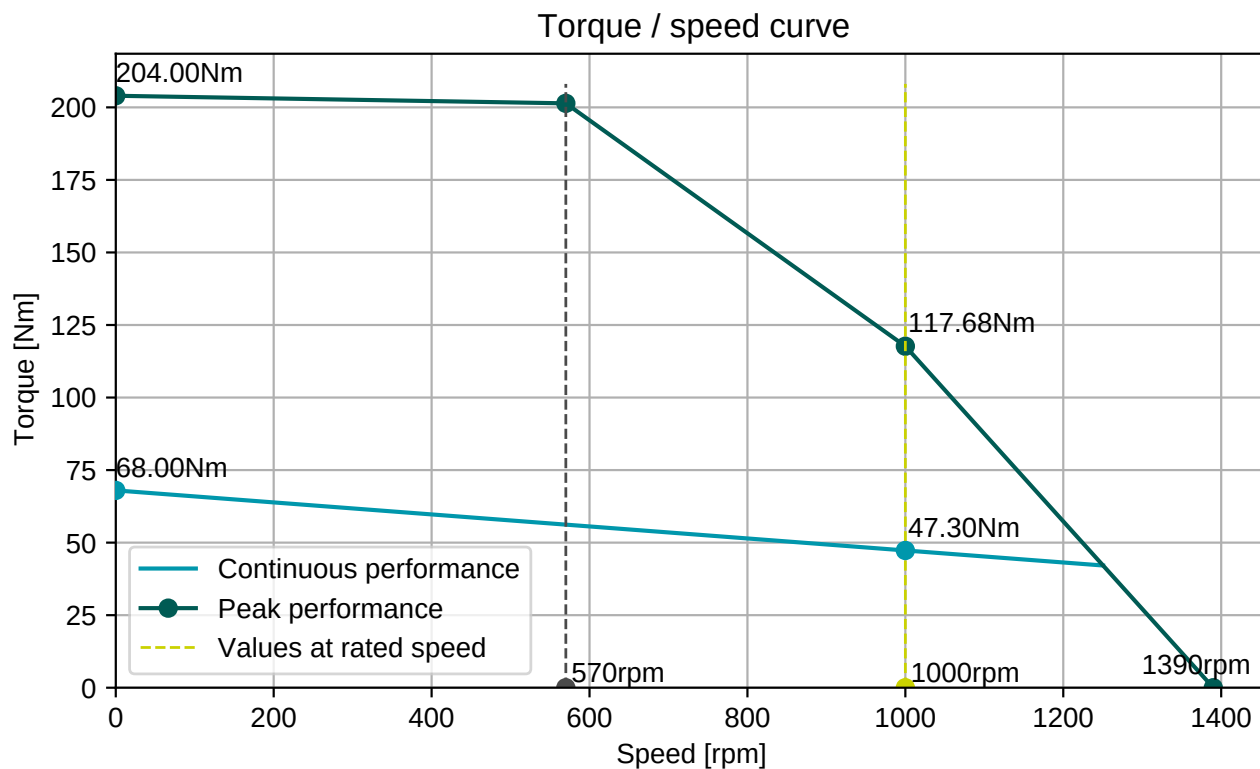
|         |          |
|---------|----------|
| HS Code | 85015220 |
|---------|----------|

**Mechanical data (setting 6)**

|                       |                         |
|-----------------------|-------------------------|
| Max mechanical speed  | 4000 rpm                |
| Mech. time constant   | 0.75 ms                 |
| Thermal time constant | 93 min                  |
| Rotor inertia         | 124.5 kgcm <sup>2</sup> |
| Protection            | IP00                    |
| Color                 | RAL 9005                |
| Cooling               | Convection              |
| Motor-only mass       | 16.8 kg                 |

**Sensors**

|             |                 |
|-------------|-----------------|
| Temperature | PT1000 {PT1000} |
|-------------|-----------------|



#### Connector 1 (259)

**white** U

**blue** V

**red** W

2x Therm

2x Brake

