

**Engineering data (WIN 795)**

|                                      |                             |
|--------------------------------------|-----------------------------|
| DC bus voltage                       | 36 V DC                     |
| Nominal AC voltage                   | 25 V AC (rms)               |
| Rated voltage                        | 21 V AC (rms)               |
| Rated power                          | 188 W                       |
| Rated speed                          | 2500 rpm                    |
| Rated torque                         | 0.72 Nm                     |
| Rated current                        | 7.8 A (rms)                 |
| Peak torque                          | 2.73 Nm                     |
| Peak current                         | 31.2 A (rms)                |
| Stall torque                         | 0.75 Nm                     |
| Stall current                        | 7.7 A (rms)                 |
| No load speed                        | 4200 rpm                    |
| EMF constant ±10%                    | 5.9 V AC (rms)<br>/ 1000rpm |
| Theoretical torque<br>constant ±10%  | 0.1 Nm / A<br>(rms)         |
| Torque constant ±10%<br>@ rated load | 0.1 Nm / A<br>(rms)         |
| Number of poles                      | 6                           |
| Electrical time constant             | 1.27 ms                     |
| Winding terminal<br>resistance       | 0.7 Ω                       |
| Rotary field terminal<br>inductance  | 0.89 mH                     |

**Customs info**

|         |          |
|---------|----------|
| HS Code | 85015100 |
|---------|----------|

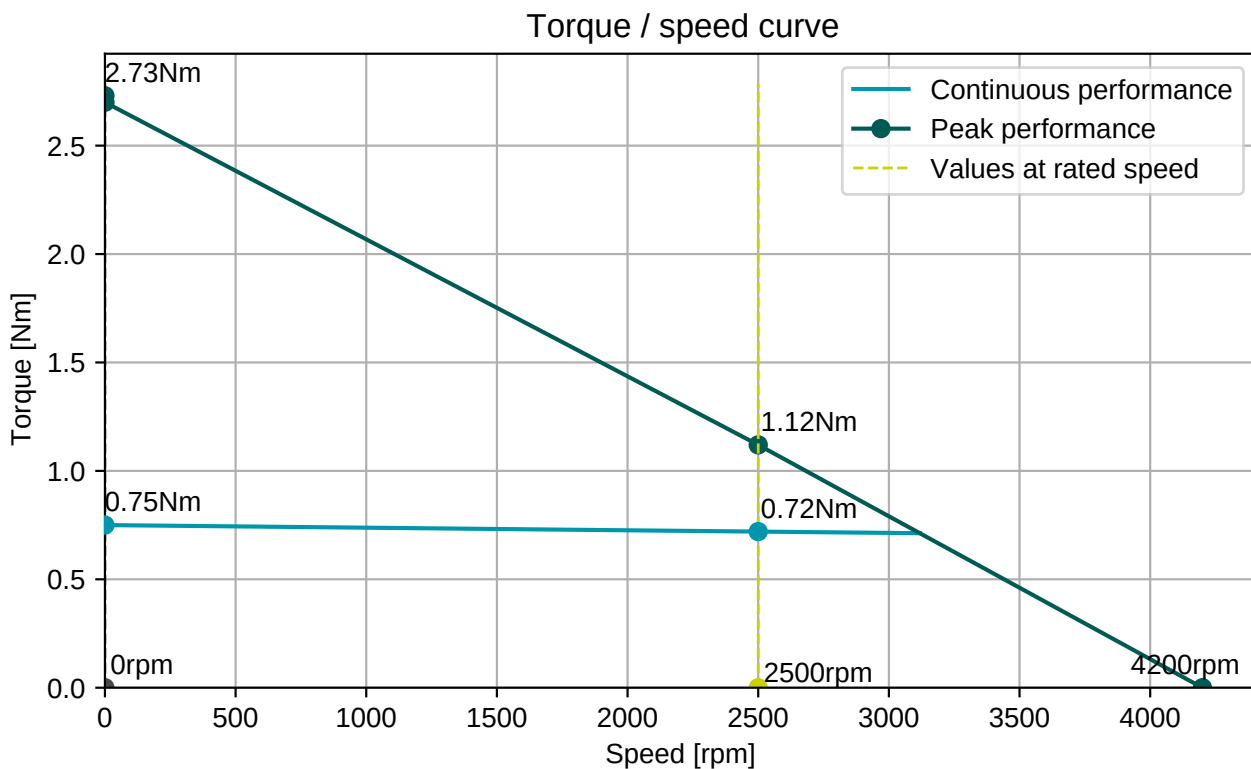
**Mechanical data (setting 49)**

|                         |                        |
|-------------------------|------------------------|
| Max mechanical speed    | 12000 rpm              |
| Mech. time constant     | 1.15 ms                |
| Thermal time constant   | 12 min                 |
| Rotor inertia           | 0.09 kgcm <sup>2</sup> |
| Protection              | IP64                   |
| Color                   | RAL 9005               |
| Cooling                 | Convection             |
| Motor-only mass         | 1.1 kg                 |
| Max. axial force 20kh   | 50 N                   |
| Max. radial force 20kh  | 261 N*                 |
| Max. axial force 100kh  | 29 N                   |
| Max. radial force 100kh | 153 N*                 |

\* Defined for point of action at ½ output shaft length

**Sensors**

|             |                                                     |
|-------------|-----------------------------------------------------|
| Temperature | PT1000 {PT1000}                                     |
| Feedback    | SKM36 (Hiperface) multi-turn,<br>128 sin/cos+12bits |



**BGC110N00001216000**

M23, 8 poles, rotary



**AGC113N00001215000**

M23, 17 poles, rotary



#### Connector 1 (9)

|   |        |
|---|--------|
| 1 | U      |
| 4 | V      |
| 3 | W      |
| 2 | PE     |
| A | Brake+ |
| B | Brake- |
| C |        |
| D |        |

#### Connector 2 (130)

|      |            |
|------|------------|
| 1/9  | SIN/REFSIN |
| 3/11 | COS/REFCOS |
| 5/13 | DATA/DATA- |
| 4/2  | Us/GND     |
| 14/7 | Therm      |

