

**Engineering data (WIN 792)**

|                                      |                              |
|--------------------------------------|------------------------------|
| DC bus voltage                       | 320 V DC                     |
| Nominal AC voltage                   | 220 V AC (rms)               |
| Rated voltage                        | 167 V AC (rms)               |
| Rated power                          | 320 W                        |
| Rated speed                          | 4500 rpm                     |
| Rated torque                         | 0.68 Nm                      |
| Rated current                        | 1.48 A (rms)                 |
| Peak torque                          | 3 Nm                         |
| Peak current                         | 7.1 A (rms)                  |
| Stall torque                         | 0.75 Nm                      |
| Stall current                        | 1.54 A (rms)                 |
| No load speed                        | 7380 rpm                     |
| EMF constant ±10%                    | 29.5 V AC (rms)<br>/ 1000rpm |
| Theoretical torque<br>constant ±10%  | 0.49 Nm / A<br>(rms)         |
| Torque constant ±10%<br>@ rated load | 0.46 Nm / A<br>(rms)         |
| Number of poles                      | 6                            |
| Electrical time constant             | 1.34 ms                      |
| Winding terminal<br>resistance       | 16.96 Ω                      |
| Rotary field terminal<br>inductance  | 22.7 mH                      |

**Customs info**

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

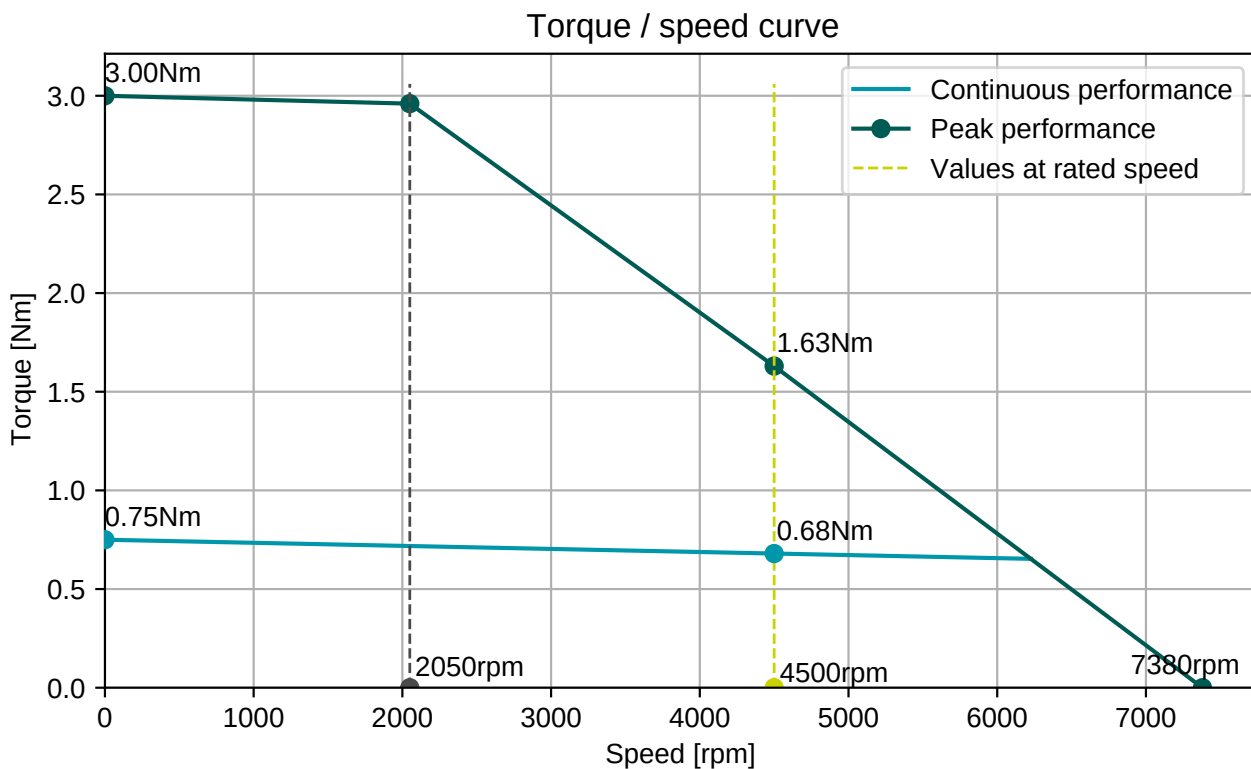
**Mechanical data (setting 48)**

|                         |                        |
|-------------------------|------------------------|
| Max mechanical speed    | 12000 rpm              |
| Mech. time constant     | 1.11 ms                |
| Thermal time constant   | 12 min                 |
| Rotor inertia           | 0.09 kgcm <sup>2</sup> |
| Protection              | IP64                   |
| Color                   | RAL 9005               |
| Cooling                 | Convection             |
| Motor-only mass         | 1.35 kg                |
| Max. axial force 20kh   | 41 N                   |
| Max. radial force 20kh  | 215 N*                 |
| Max. axial force 100kh  | 24 N                   |
| Max. radial force 100kh | 126 N*                 |

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

**Sensors**

|             |                                            |
|-------------|--------------------------------------------|
| Temperature | PT1000 {PT1000}                            |
| Feedback    | EKS36 (HDSL) single-turn, 18<br>bits, SIL2 |



**BGC110N00001216000**

M23, 8 poles, rotary



**Connector 1 (283)**

|          |          |
|----------|----------|
| <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> | GND/DSL- |
| <b>D</b> | +Us/DSL+ |

