

**Engineering data (WIN 742)**

|                                      |                              |
|--------------------------------------|------------------------------|
| DC bus voltage                       | 320 V DC                     |
| Nominal AC voltage                   | 220 V AC (rms)               |
| Rated voltage                        | 146 V AC (rms)               |
| Rated power                          | 1.0 kW                       |
| Rated speed                          | 6000 rpm                     |
| Rated torque                         | 1.65 Nm                      |
| Rated current                        | 5.52 A (rms)                 |
| Peak torque                          | 6.15 Nm                      |
| Peak current                         | 20.5 A (rms)                 |
| Stall torque                         | 2.05 Nm                      |
| Stall current                        | 5.1 A (rms)                  |
| No load speed                        | 8950 rpm                     |
| EMF constant ±10%                    | 24.5 V AC (rms)<br>/ 1000rpm |
| Theoretical torque<br>constant ±10%  | 0.41 Nm / A<br>(rms)         |
| Torque constant ±10%<br>@ rated load | 0.30 Nm / A<br>(rms)         |
| Number of poles                      | 10                           |
| Electrical time constant             | 2.44 ms                      |
| Winding terminal<br>resistance       | 1.68 Ω                       |
| Rotary field terminal<br>inductance  | 4.1 mH                       |

**Customs info**

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

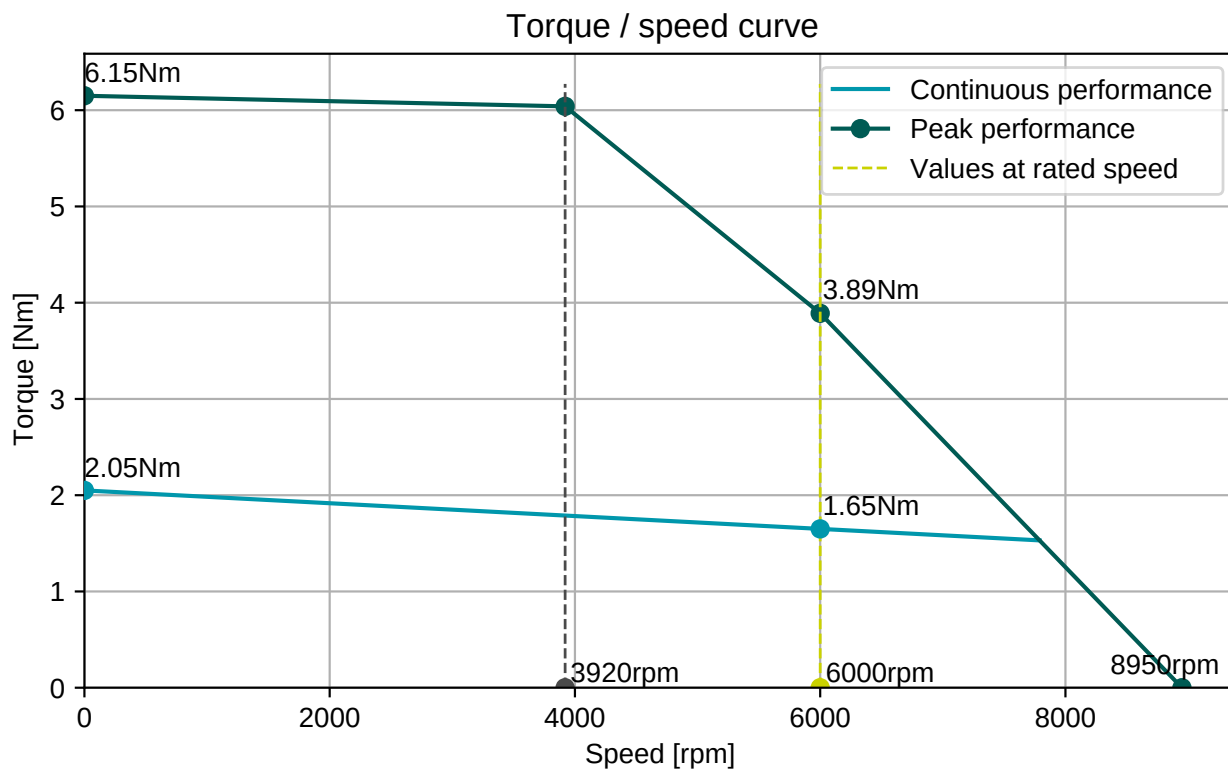
**Mechanical data (setting 48)**

|                         |                        |
|-------------------------|------------------------|
| Max mechanical speed    | 12000 rpm              |
| Mech. time constant     | 0.97 ms                |
| Thermal time constant   | 23 min                 |
| Rotor inertia           | 0.55 kgcm <sup>2</sup> |
| Protection              | IP64                   |
| Color                   | RAL 9005               |
| Cooling                 | Convection             |
| Max. axial force 20kh   | 56 N                   |
| Max. radial force 20kh  | 293 N*                 |
| Max. axial force 100kh  | 32 N                   |
| Max. radial force 100kh | 171 N*                 |

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

**Sensors**

|             |                                          |
|-------------|------------------------------------------|
| Temperature | PT1000 {PT1000}                          |
| Feedback    | EKM36 (HDSL) multi-turn, 17 +<br>12 bits |


**EGA201N00000800000**

M15, 9 poles, rotary


**Connector 1 (304)**

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

