

**Engineering data (WIN 943)**

|                                      |                            |
|--------------------------------------|----------------------------|
| DC bus voltage                       | 320 V DC                   |
| Nominal AC voltage                   | 220 V AC (rms)             |
| Rated voltage                        | 107 V AC (rms)             |
| Rated power                          | 471 W                      |
| Rated speed                          | 9000 rpm                   |
| Rated torque                         | 0.50 Nm                    |
| Rated current                        | 2.97 A (rms)               |
| Peak torque                          | 3.8 Nm                     |
| Peak current                         | 24 A (rms)                 |
| Stall torque                         | 0.95 Nm                    |
| Stall current                        | 5.2 A (rms)                |
| No load speed                        | 19950 rpm                  |
| EMF constant ±10%                    | 11 V AC (rms)<br>/ 1000rpm |
| Theoretical torque<br>constant ±10%  | 0.18 Nm / A<br>(rms)       |
| Torque constant ±10%<br>@ rated load | 0.17 Nm / A<br>(rms)       |
| Number of poles                      | 6                          |
| Electrical time constant             | 1.44 ms                    |
| Winding terminal<br>resistance       | 1.6 Ω                      |
| Rotary field terminal<br>inductance  | 2.3 mH                     |

**Customs info**

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

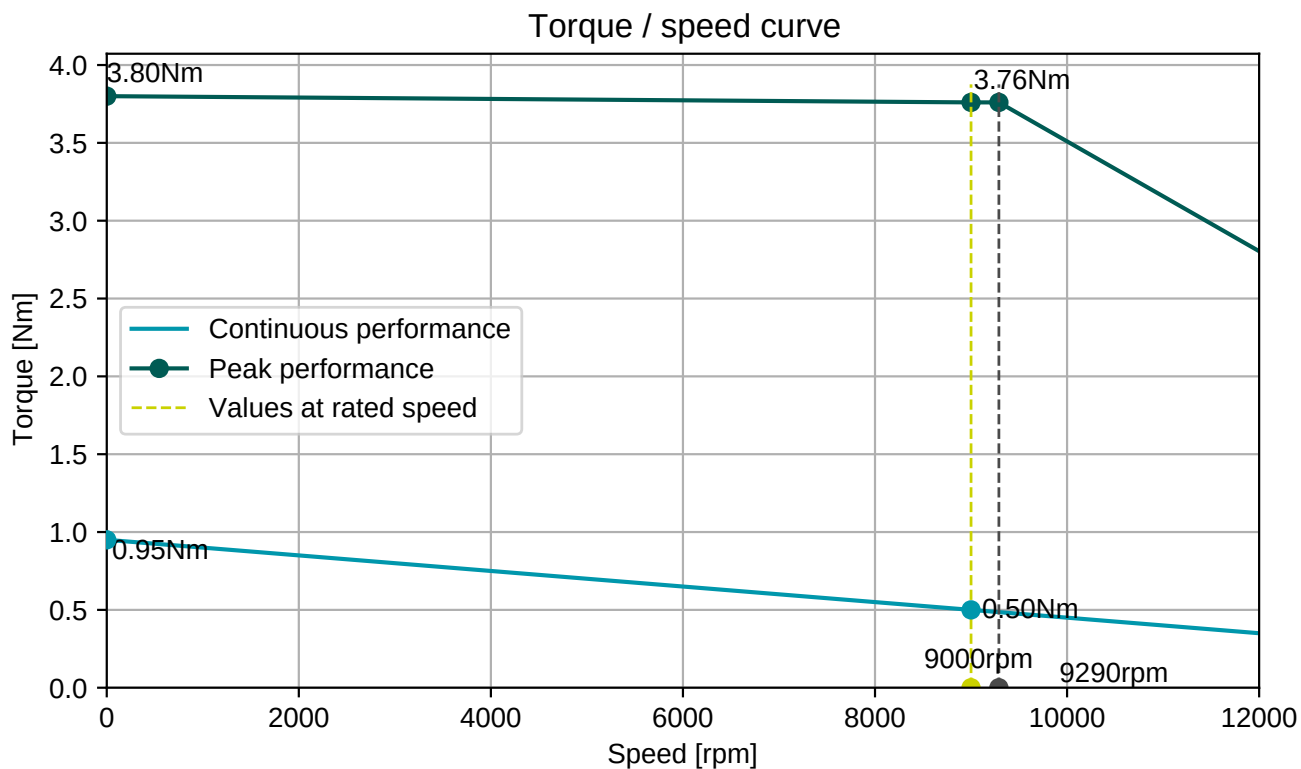
**Mechanical data (setting 48)**

|                         |                        |
|-------------------------|------------------------|
| Max mechanical speed    | 12000 rpm              |
| Mech. time constant     | 0.92 ms                |
| Thermal time constant   | 18 min                 |
| Rotor inertia           | 0.11 kgcm <sup>2</sup> |
| Protection              | IP64                   |
| Color                   | RAL 9005               |
| Cooling                 | Convection             |
| Motor-only mass         | 1.7 kg                 |
| Max. axial force 20kh   | 33 N                   |
| Max. radial force 20kh  | 176 N*                 |
| Max. axial force 100kh  | 20 N                   |
| Max. radial force 100kh | 103 N*                 |

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

**Sensors**

|             |                                   |
|-------------|-----------------------------------|
| Temperature | PT1000 {PT1000}                   |
| Feedback    | EKS36 (HDSL) single-turn, 17 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- |

