

**Engineering data (WIN 740)**

|                                      |                             |
|--------------------------------------|-----------------------------|
| DC bus voltage                       | 24 V DC                     |
| Nominal AC voltage                   | 17 V AC (rms)               |
| Rated voltage                        | 11 V AC (rms)               |
| Rated power                          | 82 W                        |
| Rated speed                          | 3000 rpm                    |
| Rated torque                         | 0.26 Nm                     |
| Rated current                        | 8.04 A (rms)                |
| Peak torque                          | 1.04 Nm                     |
| Peak current                         | 32.9 A (rms)                |
| Stall torque                         | 0.28 Nm                     |
| Stall current                        | 7.9 A (rms)                 |
| No load speed                        | 7660 rpm                    |
| EMF constant ±10%                    | 2.2 V AC (rms)<br>/ 1000rpm |
| Theoretical torque<br>constant ±10%  | 0.04 Nm / A<br>(rms)        |
| Torque constant ±10%<br>@ rated load | 0.03 Nm / A<br>(rms)        |
| Number of poles                      | 6                           |
| Electrical time constant             | 0.98 ms                     |
| Winding terminal<br>resistance       | 0.43 Ω                      |
| Rotary field terminal<br>inductance  | 0.42 mH                     |

**Customs info**

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

**Mechanical data (setting 48)**

|                         |                        |
|-------------------------|------------------------|
| Max mechanical speed    | 12000 rpm              |
| Mech. time constant     | 2.81 ms                |
| Thermal time constant   | 10 min                 |
| Rotor inertia           | 0.05 kgcm <sup>2</sup> |
| Protection              | IP64                   |
| Color                   | RAL 9005               |
| Cooling                 | Convection             |
| Motor-only mass         | 0.9 kg                 |
| Max. axial force 20kh   | 47 N                   |
| Max. radial force 20kh  | 247 N*                 |
| Max. axial force 100kh  | 27 N                   |
| Max. radial force 100kh | 145 N*                 |

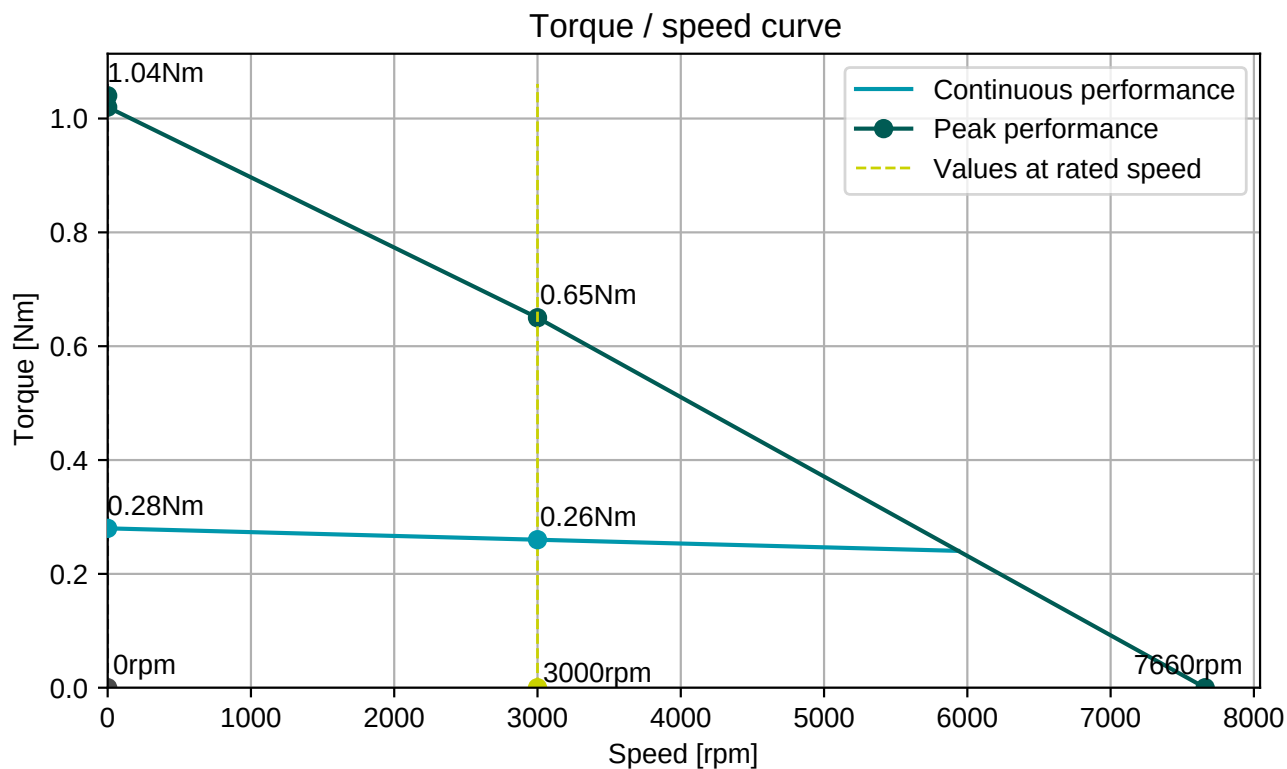
\* Defined for point of action at ½ output shaft length

**Sensors**

|             |                                   |
|-------------|-----------------------------------|
| Temperature | PT1000 {PT1000}                   |
| Feedback    | EES37 (HDSL) single-turn, 17 bits |

**Brake**

|                |                        |
|----------------|------------------------|
| Braking torque | 2.00 Nm                |
| Voltage        | 24 V DC                |
| Power @20°C    | 11.0 W                 |
| Current @20°C  | 0.46 A                 |
| Inertia        | 0.08 kgcm <sup>2</sup> |
| Mass           | 0.20 kg                |


**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- |

