

**Engineering data (WIN 1417)**

|                                      |                              |
|--------------------------------------|------------------------------|
| DC bus voltage                       | 320 V DC                     |
| Nominal AC voltage                   | 220 V AC (rms)               |
| Rated voltage                        | 148 V AC (rms)               |
| Rated power                          | 346 W                        |
| Rated speed                          | 3000 rpm                     |
| Rated torque                         | 1.10 Nm                      |
| Rated current                        | 1.73 A (rms)                 |
| Peak torque                          | 4.94 Nm                      |
| Peak current                         | 8.3 A (rms)                  |
| Stall torque                         | 1.3 Nm                       |
| Stall current                        | 1.77 A (rms)                 |
| No load speed                        | 4910 rpm                     |
| EMF constant ±10%                    | 44.5 V AC (rms)<br>/ 1000rpm |
| Theoretical torque<br>constant ±10%  | 0.736 Nm / A<br>(rms)        |
| Torque constant ±10%<br>@ rated load | 0.636 Nm / A<br>(rms)        |
| Number of poles                      | 10                           |
| Electrical time constant             | 1.44 ms                      |
| Winding terminal<br>resistance       | 9.598 Ω                      |
| Rotary field terminal<br>inductance  | 13.8 mH                      |

**Customs info**

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

**Mechanical data (setting 48)**

|                         |                       |
|-------------------------|-----------------------|
| Max mechanical speed    | 12000 rpm             |
| Mech. time constant     | 1.53 ms               |
| Thermal time constant   | 24 min                |
| Rotor inertia           | 0.5 kgcm <sup>2</sup> |
| Protection              | IP65                  |
| Color                   | RAL 9005              |
| Cooling                 | Convection            |
| Motor-only mass         | 1.6 kg                |
| Max. axial force 20kh   | 62 N                  |
| Max. radial force 20kh  | 327 N*                |
| Max. axial force 100kh  | 36 N                  |
| Max. radial force 100kh | 191 N*                |

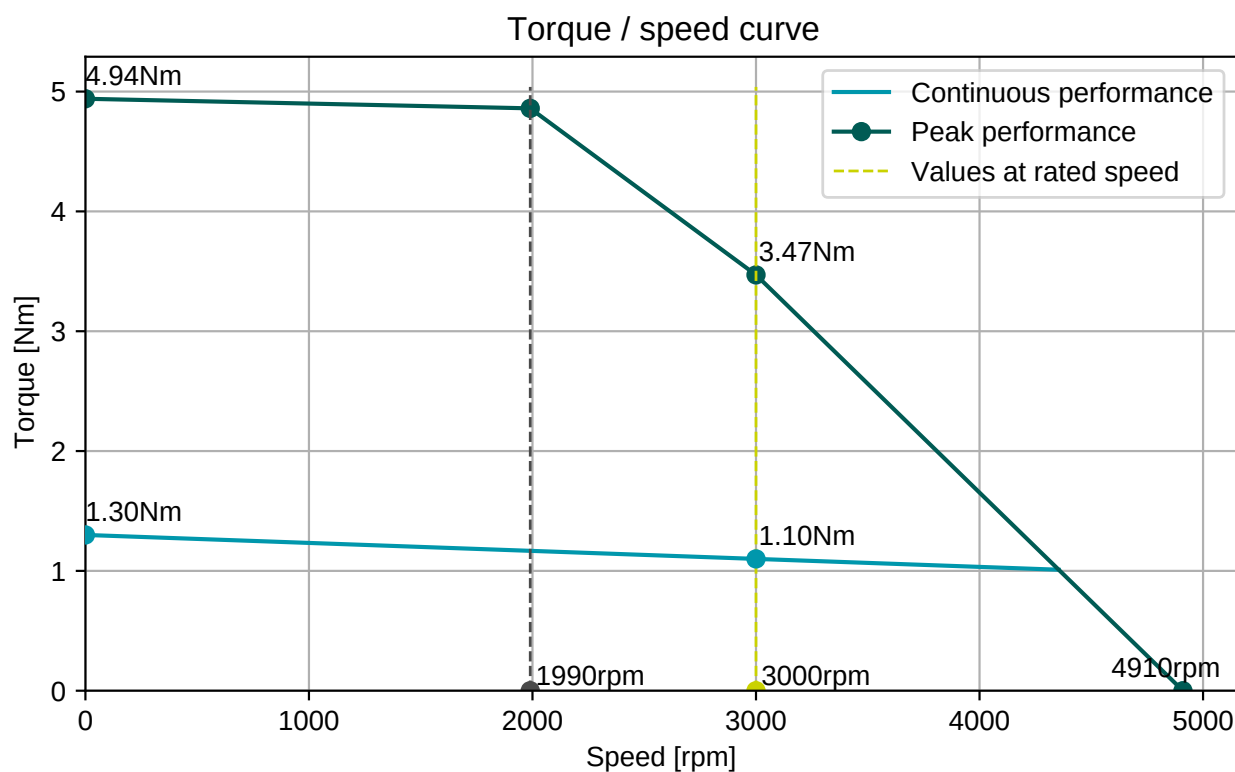
\* Defined for point of action at ½ output shaft length

**Sensors**

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

**Note**

X: stainless steel bearing 6202



**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- |

