

**Engineering data (WIN -100037)**

|                                      |                             |
|--------------------------------------|-----------------------------|
| DC bus voltage                       | 48 V DC                     |
| Nominal AC voltage                   | 33 V AC (rms)               |
| Rated voltage                        | 28 V AC (rms)               |
| Rated power                          | 6.6 kW                      |
| Rated speed                          | 3000 rpm                    |
| Rated torque                         | 21.00 Nm                    |
| Rated current                        | 148.08 A (rms)              |
| Peak torque                          | 52 Nm                       |
| Peak current                         | 396.45 A (rms)              |
| Stall torque                         | 27.3 Nm                     |
| Stall current                        | 186.5 A (rms)               |
| No load speed                        | 3730 rpm                    |
| EMF constant ±10%                    | 8.9 V AC (rms)<br>/ 1000rpm |
| Theoretical torque<br>constant ±10%  | 0.15 Nm / A<br>(rms)        |
| Torque constant ±10%<br>@ rated load | 0.14 Nm / A<br>(rms)        |
| Number of poles                      | 10                          |
| Electrical time constant             | 7.50 ms                     |
| Winding terminal<br>resistance       | 0.004 Ω                     |
| Rotary field terminal<br>inductance  | 0.03 mH                     |

**Customs info**

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

**Mechanical data (setting 5)**

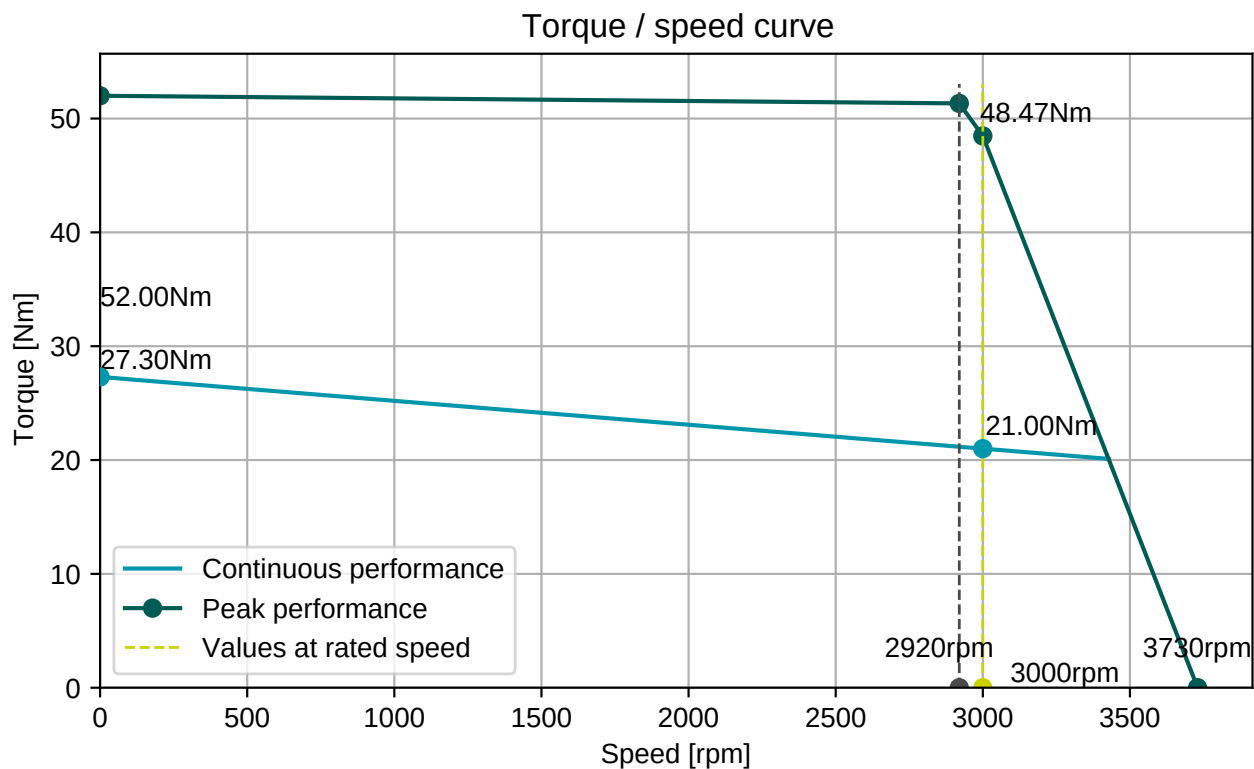
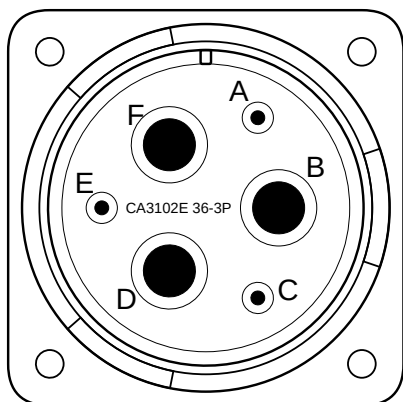
|                       |                        |
|-----------------------|------------------------|
| Max mechanical speed  | 9000 rpm               |
| Mech. time constant   | 0.75 ms                |
| Thermal time constant | 80 min                 |
| Rotor inertia         | 23.4 kgcm <sup>2</sup> |
| Protection            | IP65                   |
| Color                 | RAL 9005               |
| Cooling               | Convection             |

**Sensors**

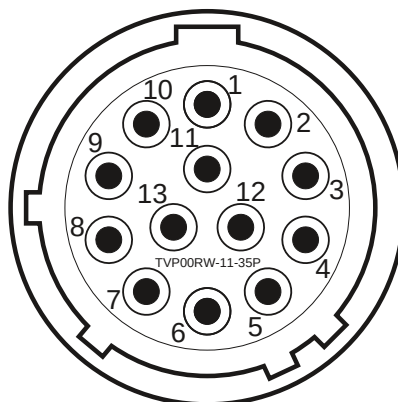
|             |                                                |
|-------------|------------------------------------------------|
| Temperature | PT1000 {PT1000}                                |
| Feedback    | AD36 (BISS-C) multi-turn, 22+12<br>bits, 5 VDC |

**Brake**

|                |                        |
|----------------|------------------------|
| Braking torque | 18.00 Nm               |
| Voltage        | 24 V DC                |
| Power @20°C    | 24.0 W                 |
| Current @20°C  | 1.00 A                 |
| Inertia        | 2.00 kgcm <sup>2</sup> |
| Mass           | 1.80 kg                |


**CA3102E36-3P-B-A232-F0**

**Connector 1 (552)**

|          |        |
|----------|--------|
| <b>A</b> | GND    |
| <b>B</b> | U      |
| <b>C</b> | Brake+ |
| <b>D</b> | V      |
| <b>E</b> | Brake- |
| <b>F</b> | W      |

**TVP00RW-11-35P  
(D38999/20ZB35PN)**

**Connector 2 (520)**

|          |        |
|----------|--------|
| <b>1</b> | Vcc    |
| <b>2</b> | GND    |
| <b>3</b> | DATA   |
| <b>4</b> | DATA-  |
| <b>5</b> | CLOCK  |
| <b>6</b> | CLOCK- |
| <b>7</b> | Therm+ |
| <b>8</b> | Therm- |

