**1500W 48V DC 11000 RPM PMSM Motor**

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| Basic Motor Parameters |
| Rated Power | W | 1500 |
| Rated Speed | rpm | 11000 |
| Rated Torque | Nm | 1.25 |
| Rated Current | A | 35 |
| Rated Voltage | V | 48 |
| No-Load Speed | rpm | 12000 |
| Max. Efficiency | % | 90 |
| Electrical Parameters |
| Number of Phases |  | 3 |
| Number of Poles |  | 4 |
| Torque Constant (KT) | Nm/A | 0.175 |
| Back EMF Constant (KE) | Vs/rad | 0.180 |
| Terminal Resistance Phase to Phase (±%10) | mΩ | 25 |
| Terminal Inductance Phase to Phase (±%30) | mH | 60 |
| Thermal Data |
| Ambient Temperature | °C | -40...+85 |
| Max. Winding Temperature | °C | +155 |
| Physical Parameters |
| Outer Diameter | mm | 74 |
| Shaft Diameter | mm | 12 |
| Max. Lenght | mm | 167 |
| Weight | gr | ~1300 |
| Motor Connection |
| U | RED CABLE |
| V | WHITE CABLE |
| W | BLACK CABLE |
| Sensor Connection |
| 1 | GND |
| 2 | VDC + |
| 3 | Z’ |
| 4 | Z |
| 5 | B |
| 6 | B’ |
| 7 | A’ |
| 8 | A |
| 9 | HALL A |
| 10 | HALL B |
| 11 | HALL C |
| Connector Articles |
| Power | M10 CABLE GLAND |
| Signal | Molex 501330-1100    |