**5kW 2000 rpm PMSM Motor**



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| Basic Motor Parameters |  |  |  |
| Rated Power | W | 5000 |
| Rated Speed | rpm | 2036 |
| Rated Torque | Nm | 24 |
| Rated Current | A | 115 |
| Rated Voltage | V | 48 |
| No-Load Speed | rpm | 2100 |
| Max. Efficiency | % | 92 |
| Electrical Parameters |
| Number of Phases |  | 3 |
| Number of Poles |  | 6 |
| Torque Constant (KT) | Nm/A | 0.20  |
| Back EMF Constant (KE) | Vs/rad | 0.19  |
| Terminal Resistance Phase to Phase (±%10) | mΩ | 11.92  |
| Terminal Inductance Phase to Phase (±%30) | mH | 0.103  |
| Thermal Data |
| Ambient Temperature | °C | -40...+85 |
| Max. Winding Temperature | °C | +155 |
| Physical Parameters |
| Outer Diameter | mm | 214 |
| Shaft Diameter | mm | 25 |
| Max. Lenght | mm | 285 |
| Weight | gr | ~20000 |
| Motor Connection |
| U | SIHO-S55 CABLE  |
| V | SIHO-S55 CABLE |
| W | SIHO-S55 CABLE |
| Sensor Connection |
| N/A | N/A |
| Connector Articles |
| Power | N/A |
| Signal | N/A |