**25kW 6000 rpm PMSM Motor**



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| Basic Motor Parameters |
| Rated Power | W | 25000 |
| Rated Speed | rpm | 6000 |
| Rated Torque | Nm | 40 |
| Rated Current | A | 180 |
| Rated Voltage | V | 150 |
| No-Load Speed | rpm | 7000 |
| Max. Efficiency | % | 95 |
| Electrical Parameters |
| Number of Phases |  | 3 |
| Number of Poles |  | 16 |
| Torque Constant (KT) | Nm/A | 0.215 |
| Back EMF Constant (KE) | Vs/rad | 0.22 |
| Terminal Resistance Phase to Phase (±%10) | mΩ | 2.75 |
| Terminal Inductance Phase to Phase (±%30) | mH | Ld: 0,0234 / Lq: 0,0281 |
| Thermal Data |
| Ambient Temperature | °C | -40...+85 |
| Max. Winding Temperature | °C | +155 |
| Physical Parameters |
| Outer Diameter | mm | 315 |
| Shaft Diameter | mm | 30 |
| Max. Lenght | mm | 440 |
| Weight | gr | ~75000 |
| Motor Connection |
| U | Phase A |
| V | Phase B |
| W | Phase C |
| Sensor Connection |
| U | Hall Sensor A |
| V | Hall Sensor B |
| W | Hall Sensor C |
| Connector Articles |
| Power | N/A |
| Signal | N/A |