



Servo Motori Brushless

SERVO MOTORI - PREFERRED

- Velocità, precisione, controllo per performance al top
- Application oriented: servizio su misura, dalla progettazione all'assistenza
- Serie Preferred: per tempi di consegna ai minimi termini



TECHNICAL DATA

Motor Type

B10.90Q 90 Nm - 3000 rpm - 8 poles - 400V

PERFORMANCE DATA

| | |
|----------------------------------------------------------------|---------|
| Type | B10.90Q |
| Stall torque (Deltat=105°C) Mo Nm | 90 |
| Rated speed n rpm | 3000 |
| Rated power P _n kW | 12.2 |
| Rated torque (Deltat=105°C) Mn Nm | 38.7 |
| Peak torque M _{pk} Nm | 380 |
| Max speed n _{max} rpm | 4000 |
| Moment of inertia J 10?? Kgm ² | 98 |
| Peack torque acceleration a _{pk} rad/sec ² | 38776 |
| Thermal time constant T _{th} min | 58 |
| Voltage constant k _e V _s | 0.94 |
| Torque constant k _t Nm/A | 1.63 |
| Resistance phase to phase (20°C) R _w ? | 0.08 |
| Inductance phase to phase L _w mH | 1.4 |

| | |
|-----------------------------------------------------|-------|
| B.E.M.F. @ rated speed E_n Vrms | 296 |
| Stall current I_o Arms | 55.3 |
| Rated current I_n Arms | 23.8 |
| Peak current I_{pk} Arms | 300 |
| Power connector size | 7/1.5 |
| Weight kg | 65 |

Mechanical Data

| | |
|-----------------------------|----------------------------------|
| Design | Aluminium |
| Degree of protection | IP 65 |
| Bearings DE | 6309 2ZC3WT |
| Bearings NDE | 6207 2ZC3WT |
| Lubrication grease | low & high temperature grease |
| Regreasing device | permanent lubrication |
| Cooling | radiation and natural convection |
| Vibration Level | A (normal) |

Electrical Data

| | |
|------------------------------------------------------------------|------|
| Poles | 8 |
| Voltage | 400V |
| Thermal protection threshold θ_{max} °C | 140 |