



Servo Motori Brushless

SERVO MOTORI ULTRA COMPACT

- Densità di coppia incrementata del 30%
- Dimensioni ridotte del 20%
- Design sofisticato, disegnato per l'estrema regolarità della coppia erogata



TECHNICAL DATA

Motor Type

B71.12U 16.3 Nm - 3000 rpm - 10 poles - 400V

PERFORMANCE DATA

| | |
|---|---------|
| Type | B71.12U |
| Stall torque (Deltat=105°C) Mo Nm | 16.3 |
| Rated speed n rpm | 3000 |
| Rated power P _n kW | 3.9 |
| Rated torque (Deltat=105°C) Mn Nm | 12.4 |
| Peak torque M _{pk} Nm | 31.5 |
| Max speed n _{max} rpm | 5000 |
| Moment of inertia J 10?? Kgm ² | 6.8 |
| Thermal time constant T _{th} min | 15 |
| Voltage constant k _e V _s | 0.94 |
| Torque constant k _t Nm/A | 1.63 |
| Resistance phase to phase (20°C) R _w ? | 1.33 |
| Inductance phase to phase L _w mH | 15.7 |
| B.E.M.F. @ rated speed E _n Vrms | 296 |

| | |
|--|------|
| Stall current I_o Arms | 10.0 |
| Rated current I_n Arms | 7.6 |
| Peak current I_{pk} Arms | 26.8 |
| Connection type/size | 7/1 |
| Weight kg | 9.5 |

Mechanical Data

| | |
|-----------------------------|----------------------------------|
| Design | Aluminium |
| Degree of protection | IP 65 |
| Bearings DE | 6205 |
| Bearings NDE | 6203 |
| Lubrication grease | low & high temperature grease |
| Regreasing device | permanent lubrication |
| Cooling | radiation and natural convection |
| Vibration Level | A (normal) |

Electrical Data

| | |
|--|------|
| Voltage | 400V |
| Poles | 10 |
| Thermal protection threshold θ_{max} °C | 140 |