



Brushless Servo Motors

SERVO MOTORS - PREFERRED

- Speed, precision, control for top performance
- Application oriented: tailor-made service, from design to assistance
- Preferred series: for minimum delivery times



TECHNICAL DATA

Motor Type

B10.72Q 72 Nm - 1500 rpm - 8 poles - 400V

PERFORMANCE DATA

Type	B10.72Q
Stall torque (Deltat=105°C) Mo Nm	72
Rated speed n rpm	1500
Rated power P _n kW	8.1
Rated torque (Deltat=105°C) Mn Nm	51.8
Peak torque M _{pk} Nm	305
Max speed n _{max} rpm	4000
Moment of inertia J 10?? Kgm ²	80
Peack torque acceleration a _{pk} rad/sec ²	38125
Thermal time constant T _{th} min	58
Voltage constant k _e V _s	1.88
Torque constant k _t Nm/A	3.26
Resistance phase to phase (20°C) R _w ?	0.49
Inductance phase to phase L _w mH	7.8

B.E.M.F. @ rated speed E_n Vrms	296
Stall current I_o Arms	22.1
Rated current I_n Arms	15.9
Peak current I_{pk} Arms	122
Power connector size	7/1.5
Weight kg	58

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