



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

B36.E8Q 1.8 Nm - 6000 rpm - 8 poles - 400V

PERFORMANCE DATA

Type	B36.E8Q
Stall torque (Deltat=105°C) Mo Nm	1.8
Rated speed n rpm	6000
Rated power P _n kW	942
Rated torque (Deltat=105°C) Mn Nm	1.5
Peak torque M _{pk} Nm	6.3
Max speed n _{max} rpm	6600
Moment of inertia J 10?? Kgm ²	0.63
Peack torque acceleration a _{pk} rad/sec ²	100000
Thermal time constant T _{th} min	34
Voltage constant k _e V _s	0.42
Torque constant k _t Nm/A	0.73
Resistance phase to phase (20°C) R _w ?	5.25
Inductance phase to phase L _w mH	11.6

B.E.M.F. @ rated speed E_n Vrms	264
Stall current I_o Arms	2.5
Rated current I_n Arms	2.1
Peak current I_{pk} Arms	10.9
Power connector size	7/1
Weight kg	3.2

Mechanical Data

Design	Aluminium
Degree of protection	IP 65
Bearings DE	6002 2ZC3WT
Bearings NDE	6001 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