



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

B36.03Q 3 Nm - 6000 rpm - 8 poles - 400V

PERFORMANCE DATA

Type	B36.03Q
Stall torque (Deltat=105°C) Mo Nm	3
Rated speed n rpm	6000
Rated power P _n kW	1508
Rated torque (Deltat=105°C) Mn Nm	2.4
Peak torque M _{pk} Nm	10.5
Max speed n _{max} rpm	6600
Moment of inertia J 10 ⁻⁴ Kgm ²	1.22
Peack torque acceleration a _{pk} rad/sec ²	86066
Thermal time constant T _{th} min	38
Voltage constant k _e V _s	0.42
Torque constant k _t Nm/A	0.73
Resistance phase to phase (20°C) R _w ?	2.77
Inductance phase to phase L _w mH	7

B.E.M.F. @ rated speed E_n Vrms	264
Stall current I_o Arms	4.1
Rated current I_n Arms	3.3
Peak current I_{pk} Arms	17.8
Power connector size	7/1
Weight kg	3.8

Mechanical Data

Design	Aluminium
Degree of protection	IP 65
Bearings DE	6004 2ZC3WT
Bearings NDE	6003 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