



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 B10.56J 74.5 Nm - 3000 rpm - 10 poles - 400V

PERFORMANCE DATA

Type	B10.56J
Stall torque (Deltat=105°C) Mo Nm	74.5
Rated speed n rpm	3000
Rated power P_n kW	16.3
Rated torque (Deltat=105°C) Mn Nm	51.8
Peak torque M_{pk} Nm	230
Max speed n_{max} rpm	4000
Moment of inertia J 10?? Kgm²	102
Peack torque acceleration a_{pk} rad/sec²	22549
Thermal time constant T_{th} min	56
Voltage constant k_e V_s	0.94
Torque constant k_t Nm/A	1.63
Resistance phase to phase (20°C) R_w ?	0.15
Inductance phase to phase L_w mH	2.7

B.E.M.F. @ rated speed E_n Vrms	296
Stall current I_o Arms	45.7
Rated current I_n Arms	31.8
Peak current I_{pk} Arms	195
Power connector size	7/1.5
Weight kg	43

Mechanical Data

Design	Aluminium
Degree of protection	IP 65
Bearings DE	6208 2ZC3WT
Bearings NDE	6206 2ZC3WT
Lubrication grease	low & high temperature grease
Regreasing device	permanent lubrication
Cooling	radiation and natural convection
Vibration Level	A (normal)

Electrical Data

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