



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

B20.D2Q 0.18 Nm - 6000 rpm - 8 poles - 400V

PERFORMANCE DATA

Type	B20.D2Q
Stall torque (Deltat=105°C) Mo Nm	0.18
Rated speed n rpm	6000
Rated power P _n kW	95
Rated torque (Deltat=105°C) Mn Nm	0.15
Peak torque M _{pk} Nm	0.6
Max speed n _{max} rpm	6000
Moment of inertia J 10?? Kgm ²	0.02
Peack torque acceleration a _{pk} rad/sec ²	315789
Thermal time constant T _{th} min	7
Voltage constant k _e V _s	0.17
Torque constant k _t Nm/A	0.29
Resistance phase to phase (20°C) R _w ?	29.1
Inductance phase to phase L _w mH	22.1

B.E.M.F. @ rated speed E_n Vrms	54
Stall current I_o Arms	0.62
Rated current I_n Arms	0.52
Peak current I_{pk} Arms	2.2
Power connector size	8/-
Weight kg	0.5

Mechanical Data

Design	Aluminium
Degree of protection	IP 65 except A side flange
Bearings DE	6900 2ZC3WT
Bearings NDE	699 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