



## Brushless Servo Motors

### TORQUE MOTORS

- Performance = speed + accuracy + efficiency
- Design and support to match your needs
- Designed for compatibility with most drives for maximum flexibility



## TECHNICAL DATA

Motor Type B10.10P 10 Nm - 1000 rpm - 12 poles - 400V

## PERFORMANCE DATA

Type	B10.10P
Stall torque (Deltat=105°C) Mo Nm	10
Rated speed n rpm	1000
Rated power P <sub>n</sub> kW	0.8
Rated torque (Deltat=105°C) Mn Nm	8
Peak torque M <sub>pk</sub> Nm	45
Max speed n <sub>max</sub> rpm	1500
Moment of inertia J 10?? Kgm <sup>2</sup>	40
Peack torque acceleration a <sub>pk</sub> rad/sec <sup>2</sup>	11250
Thermal time constant T <sub>th</sub> min	40
Thermal protection threshold ?max °C	140
Voltage constant k <sub>e</sub> V <sub>s</sub>	2.8
Torque constant k <sub>t</sub> Nm/A	4.85
Resistance phase to phase (20°C) R <sub>w</sub> ?	11.3

Inductance phase to phase $L_w$ mH	41.4
B.E.M.F. @ rated speed $E_n$ Vrms	293
Stall current $I_o$ Arms	2.06
Rated current $I_n$ Arms	1.65
Weight kg	15

## Mechanical Data

Design	Aluminium
Degree of protection	IP 65 except A side flange
Bearings DE	6208 2ZC3WT
Bearings NDE	6204 2ZC3WT
Lubrication grease	low & high temperature grease
Regreasing device	permanent lubrication
Cooling	radiation and natural convection
Vibration Level	A (normal)

## Electrical Data

Voltage	400V
Poles	12
Thermal protection	On-Off PTO switch
Insulation class	F
Ambient temperature	-15°C / +40 °C
Altitude	1000 m.a.s.l.