



Brushless Servo Motors

ATEX SERVO MOTORS - ZONE 2-22

- Zone 2- 22 – category 3G (gas) and 3D (dust)



TECHNICAL DATA

Motor Type B10.68J 68 Nm - 2000 rpm - 10 poles - 400V

PERFORMANCE DATA

Type	B10.68J
Stall torque (Deltat=105°C) Mo Nm	68
Rated speed n rpm	2000
Rated power P_n kW	10.7
Rated torque (Deltat=105°C) Mn Nm	50.9
Peak torque M_{pk} Nm	322
Max speed n_{max} rpm	4000
Moment of inertia J 10?? Kgm²	130
Peack torque acceleration a_{pk} rad/sec²	24769
Thermal time constant T_{th} min	65
Thermal protection threshold ?max °C	140
Voltage constant k_e V_s	1.41
Torque constant k_t Nm/A	2.45
Resistance phase to phase (20°C) R_w ?	0.23

Inductance phase to phase L_w mH	4.7
B.E.M.F. @ rated speed E_n Vrms	296
Stall current I_o Arms	27.8
Rated current I_n Arms	20.8
Peak current I_{pk} Arms	
Power connector size	7/1.5

Electrical Data

Weight kg	52
Poles	10
Voltage	400V