



Brushless Servo Motors

ATEX SERVO MOTORS - ZONE 2-22

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



TECHNICAL DATA

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

PERFORMANCE DATA

Type	B10.56J
Stall torque (Deltat=105°C) Mo Nm	56
Rated speed n rpm	3000
Rated power P_n kW	11.6
Rated torque (Deltat=105°C) Mn Nm	37
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
Thermal protection threshold ?max °C	140
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	34.4
Rated current I_n Arms	22.7
Peak current I_{pk} Arms	
Power connector size	7/1.5

Electrical Data

Weight kg	38
Poles	10
Voltage	400V