



Brushless Servo Motors

ATEX SERVO MOTORS - ZONE 2-22

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



TECHNICAL DATA

Motor Type

B13.58I 58 Nm - 3000 rpm - 6 poles - 400V

PERFORMANCE DATA

Type	B13.58I
Stall torque (Deltat=105°C) Mo Nm	58
Rated speed n rpm	3000
Rated power P _n kW	12
Rated torque (Deltat=105°C) Mn Nm	38.2
Peak torque M _{pk} Nm	162
Max speed n _{max} rpm	3600
Moment of inertia J 10?? Kgm ²	90
Peack torque acceleration a _{pk} rad/sec ²	18000
Thermal time constant T _{th} min	57
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 ?	0.13

Inductance phase to phase L_w mH	3.2
B.E.M.F. @ rated speed E_n Vrms	296
Stall current I_o Arms	35.6
Rated current I_n Arms	23.4
Peak current I_{pk} Arms	
Power connector size	7/1.5

Electrical Data

Weight kg	55
Poles	6
Voltage	400V