



Brushless Servo Motors

ATEX SERVO MOTORS - ZONE 2-22

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



TECHNICAL DATA

Motor Type

B36.E8Q 1.8 Nm - 6000 rpm - 8 poles - 400V

PERFORMANCE DATA

Type	B36.E8Q
Stall torque (Deltat=105°C) Mo Nm	1.8
Rated speed n rpm	6000
Rated power P _n kW	942.5
Rated torque (Deltat=105°C) Mn Nm	1.5
Peak torque M _{pk} Nm	6.3
Max speed n _{max} rpm	6600
Moment of inertia J 10?? Kgm ²	0.63
Peack torque acceleration a _{pk} rad/sec ²	100000
Thermal time constant T _{th} min	34
Thermal protection threshold ?max °C	140
Voltage constant k _e V _s	0.42
Torque constant k _t Nm/A	0.73
Resistance phase to phase (20°C) R _w ?	5.25

Inductance phase to phase L_w mH	11.6
B.E.M.F. @ rated speed E_n Vrms	264
Stall current I_o Arms	2.5
Rated current I_n Arms	2.1
Peak current I_{pk} Arms	10.9
Power connector size	7/1

Electrical Data

Weight kg	3.2
Poles	8
Voltage	400V