



Brushless Servo Motors

ATEX SERVO MOTORS - ZONE 2-22

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



TECHNICAL DATA

Motor Type

B71.08Q 9 Nm - 4500 rpm - 8 poles - 400V

PERFORMANCE DATA

Type	B71.08Q
Stall torque (Deltat=105°C) Mo Nm	9
Rated speed n rpm	4500
Rated power P _n kW	3.4
Rated torque (Deltat=105°C) Mn Nm	7.3
Peak torque M _{pk} Nm	27.6
Max speed n _{max} rpm	6600
Moment of inertia J 10?? Kgm ²	6
Peack torque acceleration a _{pk} rad/sec ²	45695
Thermal time constant T _{th} min	37
Thermal protection threshold ?max °C	140
Voltage constant k _e V _s	0.63
Torque constant k _t Nm/A	1.09
Resistance phase to phase (20°C) R _w ?	0.79

Inductance phase to phase L_w mH	8.7
B.E.M.F. @ rated speed E_n Vrms	296
Stall current I_o Arms	8.3
Rated current I_n Arms	6.7
Peak current I_{pk} Arms	
Power connector size	7/1

Electrical Data

Weight kg	9.5
Poles	8
Voltage	400V