



Brushless Servo Motors

ATEX SERVO MOTORS - ZONE 2-22

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



TECHNICAL DATA

Motor Type

B10.62Q 62 Nm - 3000 rpm - 8 poles - 400V

PERFORMANCE DATA

Type	B10.62Q
Stall torque (Deltat=105°C) Mo Nm	62
Rated speed n rpm	3000
Rated power P _n kW	10.1
Rated torque (Deltat=105°C) Mn Nm	32
Peak torque M _{pk} Nm	265
Max speed n _{max} rpm	4000
Moment of inertia J 10?? Kgm ²	72
Peack torque acceleration a _{pk} rad/sec ²	36806
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 ?	0.14

Inductance phase to phase L_w mH	2.1
B.E.M.F. @ rated speed E_n Vrms	296
Stall current I_o Arms	38.1
Rated current I_n Arms	19.7
Peak current I_{pk} Arms	214
Power connector size	7/1.5

Electrical Data

Weight kg	53
Poles	8
Voltage	400V