



Brushless Servo Motors

ATEX SERVO MOTORS - ZONE 2-22

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



TECHNICAL DATA

Motor Type

B64.12J 12 Nm - 4500 rpm - 10 poles - 400V

PERFORMANCE DATA

Type	B64.12J
Stall torque (Deltat=105°C) Mo Nm	12
Rated speed n rpm	4500
Rated power P _n kW	3.9
Rated torque (Deltat=105°C) Mn Nm	8.3
Peak torque M _{pk} Nm	57
Max speed n _{max} rpm	6600
Moment of inertia J 10?? Kgm ²	14.9
Peack torque acceleration a _{pk} rad/sec ²	38358
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 ?	0.59

Inductance phase to phase L_w mH	2.9
B.E.M.F. @ rated speed E_n Vrms	296
Stall current I_o Arms	11.0
Rated current I_n Arms	7.6
Peak current I_{pk} Arms	
Power connector size	7/1

Electrical Data

Weight kg	11.4
Poles	10
Voltage	400V