



Brushless Servo Motors

ATEX SERVO MOTORS - ZONE 2-22

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



TECHNICAL DATA

Motor Type

B71.35Q 35 Nm - 4500 rpm - 8 poles - 400V

PERFORMANCE DATA

Type	B71.35Q
Stall torque (Deltat=105°C) Mo Nm	35
Rated speed n rpm	4500
Rated power P _n kW	7.7
Rated torque (Deltat=105°C) Mn Nm	16.4
Peak torque M _{pk} Nm	138
Max speed n _{max} rpm	6600
Moment of inertia J 10?? Kgm ²	25.5
Peack torque acceleration a _{pk} rad/sec ²	54118
Thermal time constant T _{th} min	53
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 ?	0.13

Inductance phase to phase L_w mH	1.6
B.E.M.F. @ rated speed E_n Vrms	296
Stall current I_o Arms	32.2
Rated current I_n Arms	15.1
Peak current I_{pk} Arms	
Power connector size	7/1.5

Electrical Data

Weight kg	29.6
Poles	8
Voltage	400V