



Brushless Servo Motors

ATEX SERVO MOTORS - ZONE 2-22

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



TECHNICAL DATA

Motor Type

B20.D3Q 0.32 Nm - 6000 rpm - 8 poles - 400V

PERFORMANCE DATA

Type	B20.D3Q
Stall torque (Deltat=105°C) Mo Nm	0.32
Rated speed n rpm	6000
Rated power P_n kW	175
Rated torque (Deltat=105°C) Mn Nm	0.28
Peak torque M_{pk} Nm	1.0
Max speed n_{max} rpm	6600
Moment of inertia J 10?? Kgm²	0.03
Peack torque acceleration a_{pk} rad/sec²	333333
Thermal time constant T_{th} min	13
Thermal protection threshold ?max °C	140
Voltage constant k_e V_s	0.27
Torque constant k_t Nm/A	0.47
Resistance phase to phase (20°C) R_w ?	35.1

Inductance phase to phase L_w mH	34.2
B.E.M.F. @ rated speed E_n Vrms	170
Stall current I_o Arms	0.68
Rated current I_n Arms	0.6
Peak current I_{pk} Arms	2.4
Power connector size	8/-

Electrical Data

Weight kg	0.5
Poles	8
Voltage	400V