



Brushless Servo Motors

ATEX SERVO MOTORS - ZONE 2-22

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



TECHNICAL DATA

Motor Type

B20.D2Q 0.18 Nm - 6000 rpm - 8 poles - 400V

PERFORMANCE DATA

Type	B20.D2Q
Stall torque (Deltat=105°C) Mo Nm	0.18
Rated speed n rpm	6000
Rated power P _n kW	95
Rated torque (Deltat=105°C) Mn Nm	0.15
Peak torque M _{pk} Nm	0.6
Max speed n _{max} rpm	6600
Moment of inertia J 10?? Kgm ²	0.02
Peack torque acceleration a _{pk} rad/sec ²	315789
Thermal time constant T _{th} min	7
Thermal protection threshold ?max °C	140
Voltage constant k _e V _s	0.17
Torque constant k _t Nm/A	0.29
Resistance phase to phase (20°C) R _w ?	29.1

Inductance phase to phase L_w mH	22.1
B.E.M.F. @ rated speed E_n Vrms	107
Stall current I_o Arms	0.62
Rated current I_n Arms	0.52
Peak current I_{pk} Arms	2.2
Power connector size	8/-

Electrical Data

Weight kg	0.4
Poles	8
Voltage	400V