



### Servo Motori Brushless

### SERVO MOTORI ATEX - ZONA 2-22

- Zona 2 e 22 ovvero categorie 3G (gas) e 3D (polveri)



## TECHNICAL DATA

Motor Type

B10.20J 20 Nm - 3000 rpm - 10 poles - 400V

## PERFORMANCE DATA

Type	B10.20J
Stall torque (Deltat=105°C) Mo Nm	20
Rated speed n rpm	3000
Rated power P <sub>n</sub> kW	5.1
Rated torque (Deltat=105°C) Mn Nm	16.1
Peak torque M <sub>pk</sub> Nm	75
Max speed n <sub>max</sub> rpm	4000
Moment of inertia J 10?? Kgm <sup>2</sup>	33
Peack torque acceleration a <sub>pk</sub> rad/sec <sup>2</sup>	22727
Thermal time constant T <sub>th</sub> min	32
Thermal protection threshold ?max °C	140
Voltage constant k <sub>e</sub> V <sub>s</sub>	0.94
Torque constant k <sub>t</sub> Nm/A	1.63
Resistance phase to phase (20°C) R <sub>w</sub> ?	0.79

Inductance phase to phase $L_w$ mH	8.3
B.E.M.F. @ rated speed $E_n$ Vrms	296
Stall current $I_o$ Arms	12.3
Rated current $I_n$ Arms	9.9
Peak current $I_{pk}$ Arms	
Power connector size	7/1

## Electrical Data

Weight kg	17
Poles	10
Voltage	400V