



### Servo Motori Brushless

### SERVO MOTORI ATEX - ZONA 2-22

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



## TECHNICAL DATA

Motor Type

B13.42I 42 Nm - 1500 rpm - 6 poles - 400V

## PERFORMANCE DATA

Type	B13.42I
Stall torque (Deltat=105°C) Mo Nm	42
Rated speed n rpm	1500
Rated power P <sub>n</sub> kW	5.6
Rated torque (Deltat=105°C) Mn Nm	35.5
Peak torque M <sub>pk</sub> Nm	120
Max speed n <sub>max</sub> rpm	3600
Moment of inertia J 10?? Kgm <sup>2</sup>	65
Peack torque acceleration a <sub>pk</sub> rad/sec <sup>2</sup>	18462
Thermal time constant T <sub>th</sub> min	50
Thermal protection threshold ?max °C	140
Voltage constant k <sub>e</sub> V <sub>s</sub>	1.88
Torque constant k <sub>t</sub> Nm/A	3.26
Resistance phase to phase (20°C) R <sub>w</sub> ?	0.9

Inductance phase to phase $L_w$ mH	16.9
B.E.M.F. @ rated speed $E_n$ Vrms	296
Stall current $I_o$ Arms	12.9
Rated current $I_n$ Arms	10.9
Peak current $I_{pk}$ Arms	
Power connector size	7/1

## Electrical Data

Weight kg	48
Poles	6
Voltage	400V