



### Servo Motori Brushless

### SERVO MOTORI ULTRA COMPACT

- Densità di coppia incrementata del 30%
- Dimensioni ridotte del 20%
- Design sofisticato, disegnato per l'estrema regolarità della coppia erogata



## TECHNICAL DATA

Motor Type

B63.H5U 4.5 Nm - 3000 rpm - 10 poles - 400V

## PERFORMANCE DATA

Type	B63.H5U
Stall torque (Deltat=105°C) Mo Nm	4.5
Rated speed n rpm	3000
Rated power P <sub>n</sub> kW	1.2
Rated torque (Deltat=105°C) Mn Nm	3.9
Peak torque M <sub>pk</sub> Nm	13.3
Max speed n <sub>max</sub> rpm	6600
Moment of inertia J 10?? Kgm <sup>2</sup>	2.0
Thermal time constant T <sub>th</sub> min	24
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> ?	7
Inductance phase to phase L <sub>w</sub> mH	42.0
B.E.M.F. @ rated speed E <sub>n</sub> Vrms	296

Stall current $I_o$ Arms	2.8
Rated current $I_n$ Arms	2.4
Peak current $I_{pk}$ Arms	12.4
Connection type/size	7/1
Weight kg	5.5

## Mechanical Data

Design	Aluminium
Degree of protection	IP 65
Bearings DE	6204
Bearings NDE	6204
Lubrication grease	low & high temperature grease
Regreasing device	permanent lubrication
Cooling	radiation and natural convection
Vibration Level	A (normal)

## Electrical Data

Voltage	400V
Poles	10
Thermal protection threshold $\theta_{max}$ °C	140