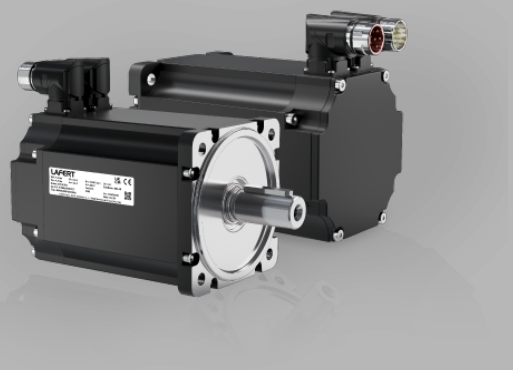
LAFERTGROUP
Member of Sumitomo Drive Technologies



Brushless Servo Motors

ULTRA COMPACT SERVO MOTORS

- Up to 30% increased power density
- Up to 20% reduced dimensions
- Sophisticated design, intended for extreme torque stability and precision

TECHNICAL DATA

Motor Type	B64.11U 11.5 Nm - 3000 rpm - 10 poles - 400V

PERFORMANCE DATA

Type	B64.11U
Stall torque (Deltat=105°C) Mo Nm	11.5
Rated speed n rpm	3000
Rated power P_n kW	2.8
Rated torque (Deltat=105°C) Mn Nm	9.0
Peak torque M_{pk} Nm	34
Max speed n_{max} rpm	6000
Moment of inertia J 10?? Kgm²	5.1
Thermal time constant T_{th} min	30
Voltage constant k_e V_s	0.94
Torque constant k_t Nm/A	1.63
Resistance phase to phase (20°C) R_w ?	1.55
Inductance phase to phase L_w mH	15.1
B.E.M.F. @ rated speed E_n Vrms	296

Stall current I_o Arms	7.1
Rated current I_n Arms	5.5
Peak current I_{pk} Arms	31.3
Connection type/size	7/1
Weight kg	8.7

Mechanical Data

Design	Aluminium
Degree of protection	IP 65
Bearings DE	6205
Bearings NDE	6303
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 ?max °C	140