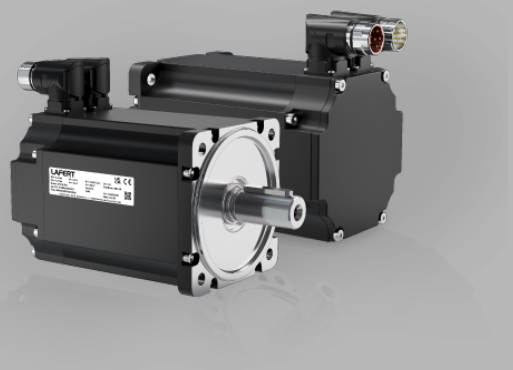
LAFERTGROUP
Member of Sumitomo Drive Technologies



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	B28.01U 0.95 Nm - 4500 rpm - 10 poles - 400V

PERFORMANCE DATA

Type	B28.01U
Stall torque (Deltat=105°C) Mo Nm	0.95
Rated speed n rpm	4500
Rated power P_n kW	424
Rated torque (Deltat=105°C) Mn Nm	0.90
Peak torque M_{pk} Nm	3.8
Max speed n_{max} rpm	9000
Moment of inertia J 10?? Kgm²	0.15
Thermal time constant T_{th} min	13
Voltage constant k_e V_s	0.56
Torque constant k_t Nm/A	0.97
Resistance phase to phase (20°C) R_w ?	30.3
Inductance phase to phase L_w mH	47.2
B.E.M.F. @ rated speed E_n Vrms	264

Stall current I_o Arms	0.98
Rated current I_n Arms	0.93
Peak current I_{pk} Arms	5.2
Connection type/size	8/-
Weight kg	1.48

Mechanical Data

Design	Aluminium
Degree of protection	IP 65 except A side flange
Bearings DE	6000
Bearings NDE	6000
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	na