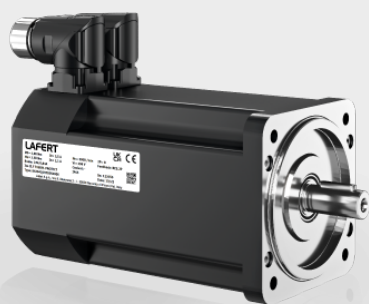




Brushless Servo Motors

SERVO MOTORS - PREFERRED

- Speed, precision, control for top performance
- Application oriented: tailor-made service, from design to assistance
- Preferred series: for minimum delivery times



TECHNICAL DATA

Motor Type

B10.72Q 72 Nm - 3000 rpm - 8 poles - 400V

PERFORMANCE DATA

Type	B10.72Q
Stall torque ($\theta t=105^{\circ}\text{C}$) M_o Nm	72
Rated speed n rpm	3000
Rated power P_n kW	10.7
Rated torque ($\theta t=105^{\circ}\text{C}$) M_n Nm	34
Peak torque M_{pk} Nm	305
Max speed n_{max} rpm	4000
Moment of inertia J 10?? Kgm ²	80
Peack torque acceleration a_{pk} rad/sec ²	38125
Thermal time constant T_{th} min	58
Voltage constant k_e V _s	0.94
Torque constant k_t Nm/A	1.63
Resistance phase to phase (20°C) R_w ?	0.12
Inductance phase to phase L_w mH	2.0
B.E.M.F. @ rated speed E_n Vrms	296
Stall current I_o Arms	44.2
Rated current I_n Arms	20.9
Peak current I_{pk} Arms	244
Power connector size	7/1.5

Weight kg

58

Mechanical Data

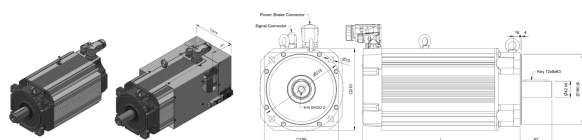
Design	ALUMINIUM
Degree of protection	IP 65
Bearings DE	6309 2ZC3WT
Bearings NDE	6207 2ZC3WT
Lubrication grease	low & high temperature grease
Regreasing device	permanent lubrication
Grease Quantity	
Cooling	radiation and natural convection
Vibration Level	A (normal)
Noise Lpa db(A)	

Electrical Data

Poles	8
Voltage	400V

DIMENSIONS

- B5



IM	Square flange mm	Max length with resolver L max mm	Max length with encoder mm	Centering diameter ? CD mm	Bolt circle diameter ? BC mm	Shaft diameter ? SD mm	Shaft length SL mm	Fan Kit square mm
B5	190	269	269	?180j6	215	42k6	82	214x214

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