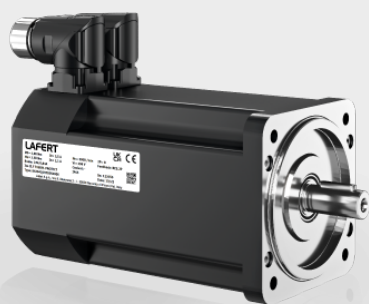




Brushless Servo Motors

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

B13.58I 58 Nm - 1500 rpm - 6 poles - 400V

PERFORMANCE DATA

Type	B13.58I
Stall torque ($\theta=105^{\circ}\text{C}$) M_0 Nm	58
Rated speed n rpm	1500
Rated power P_n kW	7.4
Rated torque ($\theta=105^{\circ}\text{C}$) M_n Nm	47
Peak torque M_{pk} Nm	162
Max speed n_{max} rpm	3600
Moment of inertia J 10 ⁻³ Kg ^m ²	90
Peack torque acceleration a_{pk} rad/sec ²	18000
Thermal time constant T_{th} min	57
Voltage constant k_e V _s	1.88
Torque constant k_t Nm/A	3.26
Resistance phase to phase (20°C) R_w Ω	0.62
Inductance phase to phase L_w mH	14.8
B.E.M.F. @ rated speed E_n Vrms	296
Stall current I_0 Arms	17.8
Rated current I_n Arms	14.4
Peak current I_{pk} Arms	63.3
Power connector size	7/1

Weight kg

55

Mechanical Data

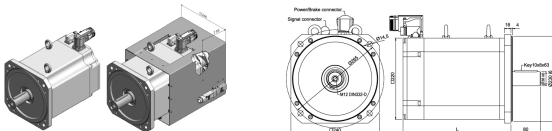
Design	ALUMINIUM
Degree of protection	IP 65 except A side flange
Bearings DE	6309 2ZC3WT
Bearings NDE	6208 2ZC3WT
Lubrication grease	low & high temperature grease
Regreasing device	permanent lubrication
Grease Quantity	
Cooling	radiation and natural convection
Vibration Level	A (normal)
Noise Lpa db(A)	

Electrical Data

Poles	6
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	240	293	321	?230j6	265	38k6	80	na

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