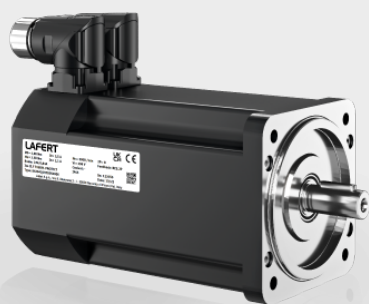




Brushless Servo Motors

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

B64.12J 12 Nm - 4500 rpm - 10 poles - 400V

PERFORMANCE DATA

Type	B64.12J
Stall torque ($\theta=105^{\circ}\text{C}$) M_0 Nm	12
Rated speed n rpm	4500
Rated power P_n kW	3.6
Rated torque ($\theta=105^{\circ}\text{C}$) M_n Nm	7.7
Peak torque M_{pk} Nm	53
Max speed n_{max} rpm	6600
Moment of inertia J 10 ⁻³ Kg m^2	15.6
Peack torque acceleration a_{pk} rad/sec ²	38358
Thermal time constant T_{th} min	37
Voltage constant k_e V $_s$	0.63
Torque constant k_t Nm/A	1.09
Resistance phase to phase (20 $^{\circ}\text{C}$) R_w Ω	0.74
Inductance phase to phase L_w mH	4.3
B.E.M.F. @ rated speed E_n Vrms	296
Stall current I_0 Arms	11
Rated current I_n Arms	7.1
Peak current I_{pk} Arms	60.5
Power connector size	7/1

Weight kg

11.4

Mechanical Data

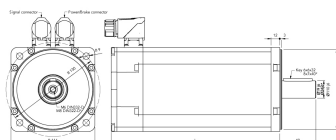
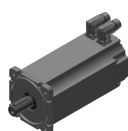
Design	ALUMINIUM
Degree of protection	IP 65
Bearings DE	6205 2ZC3WT
Bearings NDE	6303 2ZC3WT
Lubrication grease	low & high temperature grease
Regreasing device	permanent lubrication
Grease Quantity	
Cooling	radiation and natural convection
Vibration Level	A (normal)
Noise Lpa db(A)	

Electrical Data

Poles	10
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	116	168	168	?110j6	130	19k6	40	na

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