

IEC LV MOTORS

Motor data sheet

M2BAX 132SME 2

Definition	Data	Unit	Remarks
Product code	3GBA131250-**D		
Voltage code	D		
Type/Frame	M2BAX 132SME 2		
Design	CENELEC		
Efficiency class	IE3		Acc. to IEC 60034-30-1:2014
Rated output P_N	7.5	kW	
Rated voltage U_N	400	V	± 5 % (IEC 60034-1)
Rated frequency f_N	50	Hz	± 2 % (IEC 60034-1)
Rated speed n_N	2901	r/min	
Rated current I_N	13.1	A	
Starting current I_S/I_N	7.3		
Nominal torque T_N	24.72	Nm	
Locked rotor torque T_l/T_N	2.17		
Maximum torque T_b/T_N	3.67		
Efficiency - full load 100%	90.1	%	Acc. to IEC 60034-2-1
Efficiency - 75%	91.1	%	
Efficiency - 50%	91.2	%	
Power factor - full load 100%	0.91		
Bearing DE/NDE	6208-2Z/C3 6208-2Z/C3		
Sound pressure level L_{pA} dB	71.4	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0.02	kg-m ²	
Weight	83	kg	
Motor losses at VSD operating points	losses in efficiency %	losses in Watt	losses in relative to nom. power %
Speed 90% Torque 100%	89.2	817	10.9
Speed 50% Torque 100%	83.4	746	10.0
Speed 90% Torque 50%	90.3	362	4.8
Speed 50% Torque 50%	88.1	253	3.4
Speed 25% Torque 100%	66.0	966	12.9
Speed 50% Torque 25%	87.1	139	1.9
Speed 25% Torque 25%	80.9	111	1.5

All data subject to tolerances in accordance with IEC. Data subject to changes.