

Motor data sheet

IEC LV MOTORS

M2BAX 132SME 4

Definition	Data	Unit	Remarks
Product code	3GBA132250-***D		
Voltage code	D		
Type/Frame	M2BAX 132SME 4		
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	1465	r/min	
Rated current I_N	15.5	A	
Starting current I_s/I_N	7.4		
Nominal torque T_N	48.96	Nm	
Locked rotor torque T_l/T_N	2.45		
Maximum torque T_b/T_N	4.04		
Efficiency - full load 100%	90.4	%	Acc. to IEC 60034-2-1
Efficiency - 75%	90.7	%	
Efficiency - 50%	90.3	%	
Power factor - full load 100%	0.78		
Bearing DE/NDE	6208-2Z/C3 6208-2Z/C3		
Sound pressure level L_{pA} dB	60.1	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0.04	kg-m ²	
Weight	77	kg	
Motor losses with VSD supply	Efficiency %	Losses in Watts	Relative losses %
Speed 90% Torque 100%	89.1	826	11.0
Speed 50% Torque 100%	83.7	730	9.7
Speed 90% Torque 50%	88.2	452	6.0
Speed 50% Torque 50%	84.4	347	4.6
Speed 25% Torque 100%	70.2	796	10.6
Speed 50% Torque 25%	78.8	252	3.4
Speed 25% Torque 25%	69.0	211	2.8

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