

Motor data sheet

IEC LV MOTORS

M2BAX 132SMA 2

Definition	Data	Unit	Remarks
Product code	3GBA131210-**D		
Voltage code	D		
Type/Frame	M2BAX 132SMA 2		
Design	CENELEC		
Efficiency class	IE3		Acc. to IEC 60034-30-1:2014
Rated output P_N	5.5	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	2934	r/min	
Rated current I_N	10.6	A	
Starting current I_s/I_N	8.9		
Nominal torque T_N	17.91	Nm	
Locked rotor torque T_l/T_N	2.4		
Maximum torque T_b/T_N	4.1		
Efficiency - full load 100%	89.2	%	Acc. to IEC 60034-2-1
Efficiency - 75%	89.8	%	
Efficiency - 50%	89.0	%	
Power factor - full load 100%	0.82		
Bearing DE/NDE	6208-2Z/C3 6208-2Z/C3		
Sound pressure level L_{pA} dB	65	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2 \text{ kgm}^2$	0.01	kg-m ²	
Weight	64	kg	
Motor losses with VSD supply	Efficiency %	Losses in Watts	Relative losses %
Speed 90% Torque 100%	88.2	662	12.0
Speed 50% Torque 100%	82.7	575	10.5
Speed 90% Torque 50%	87.7	347	6.3
Speed 50% Torque 50%	84.9	245	4.4
Speed 25% Torque 100%	68.3	638	11.6
Speed 50% Torque 25%	80.7	164	3.0
Speed 25% Torque 25%	72.1	133	2.4

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