

IEC LV MOTORS

Motor data sheet

M2BAX 132SMA 2

For ordering purposes within selected meps, please add , +002 Restamping voltage, frequency and output, continuous duty

Definition	Data	Unit	Remarks
Product code	3GBA131210-**D		CalcId: 3GZC021013-122
Voltage code	D		
Type/Frame	M2BAX 132SMA 2		
Design	CENELEC		
Efficiency class	IE3		IEC 60034-2-1:2014
Rated output P_N	5.5	kW	
Rated voltage U_N	415	V	± 5 % (IEC 60034-1)
Rated frequency f_N	50	Hz	± 2 % (IEC 60034-1)
Rated speed n_N	2939	r/min	
Rated current I_N	10.4	A	
Starting current I_S/I_N	9.4		
Nominal torque T_N	17.88	Nm	
Locked rotor torque T_l/T_N	2.6		
Maximum torque T_b/T_N	4.5		
Efficiency - full load 100%	89.2	%	IEC 60034-2-1:2014
Efficiency - 75%	89.5	%	
Efficiency - 50%	88.5	%	
Power factor - full load 100%	0.8		
Bearing DE/NDE	6208-2Z/C3 6208-2Z/C3		
Sound pressure level L_{pA} dB	65	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0.014	kg-m ²	
Weight	64	kg	
Ambient temperature	40	°C	
Motor losses at VSD operating points	losses in efficiency %	losses in Watt	losses in relative to nom. power %
VSD Speed 90% Torque 100%	88.2	662	12.0
VSD Speed 50% Torque 100%	82.9	567	10.3
VSD Speed 25% Torque 100%	69.6	601	10.9
VSD Speed 90% Torque 50%	87.1	367	6.7
VSD Speed 50% Torque 50%	84.2	258	4.7
VSD Speed 50% Torque 25%	79.1	182	3.3
VSD Speed 25% Torque 25%	70.0	147	2.7