

IEC LV MOTORS

# Motor data sheet

## M2BAX 132SMA 4

Definition	Data	Unit	Remarks
Product code	3GBA132210-**D		CalcId: 3GZC021013-318
Voltage code	D		
Type/Frame	M2BAX 132SMA 4		
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 $n_N$	1462	r/min	
Rated current $I_N$	10.7	A	
Starting current $I_S/I_N$	7.4		
Nominal torque $T_N$	35.94	Nm	
Locked rotor torque $T_l/T_N$	2.54		
Maximum torque $T_b/T_N$	3.43		
Efficiency - full load 100%	89.6	%	IEC 60034-2-1:2014
Efficiency - 75%	90.0	%	
Efficiency - 50%	89.5	%	
Power factor - full load 100%	0.8		
Bearing DE/NDE	6208-2Z/C3 6208-2Z/C3		
Sound pressure level $L_{pA}$ dB	68	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm <sup>2</sup>	0.03	kg-m <sup>2</sup>	
Weight	67	kg	
Ambient temperature	40	°C	
<b>Motor losses at VSD operating points</b>	<b>losses in efficiency %</b>	<b>losses in Watt</b>	<b>losses in relative to nom. power %</b>
VSD Speed 90% Torque 100%	88.3	656	11.9
VSD Speed 50% Torque 100%	82.3	591	10.8
VSD Speed 25% Torque 100%	66.9	680	12.4
VSD Speed 90% Torque 50%	87.8	344	6.3
VSD Speed 50% Torque 50%	84.0	262	4.8
VSD Speed 50% Torque 25%	79.0	183	3.3
VSD Speed 25% Torque 25%	69.1	154	2.8