

IEC LV MOTORS

Motor data sheet

M2BAX 132SMB 2

Definition	Data	Unit	Remarks
Product code	3GBA131220-**D		CalcId: 3GZC021013-123
Voltage code	D		
Type/Frame	M2BAX 132SMB 2		
Design	BASIC		
Efficiency class	IE3		IEC 60034-2-1:2014
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	2921	r/min	
Rated current I _N	14	A	
Starting current I _S /I _N	9		
Nominal torque T _N	24.51	Nm	
Locked rotor torque T _l /T _N	2.6		
Maximum torque T _b /T _N	4		
Efficiency - full load 100%	90.1	%	IEC 60034-2-1:2014
Efficiency - 75%	91.0	%	
Efficiency - 50%	90.9	%	
Power factor - full load 100%	0.84		
Bearing DE/NDE	6208-2Z/C3 6208-2Z/C3		
Sound pressure level L _{pA} dB	65	dB(A)	+3dB(A)
Moment of inertia J = ¼ GD ² kgm ²	0.017	kg-m ²	
Weight	72	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%	89.1	826	11.0
VSD Speed 50% Torque 100%	83.3	752	10.0
VSD Speed 25% Torque 100%	68.2	874	11.7
VSD Speed 90% Torque 50%	89.4	400	5.3
VSD Speed 50% Torque 50%	86.5	293	3.9
VSD Speed 50% Torque 25%	83.7	183	2.4
VSD Speed 25% Torque 25%	75.8	150	2.0