

IEC LV MOTORS

Motor data sheet

M2BAX 132MLA 4

Definition	Data	Unit	Remarks
Product code	3GBA132410-**D		CalcId: 3GZC021013-303
Voltage code	D		
Type/Frame	M2BAX 132MLA 4		
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	1456	r/min	
Rated current I _N	14.6	A	
Starting current I _S /I _N	7.6		
Nominal torque T _N	49.02	Nm	
Locked rotor torque T _l /T _N	2.32		
Maximum torque T _b /T _N	3.38		
Efficiency - full load 100%	90.4	%	IEC 60034-2-1:2014
Efficiency - 75%	90.9	%	
Efficiency - 50%	90.6	%	
Power factor - full load 100%	0.82		
Bearing DE/NDE	6208-2Z/C3 6208-2Z/C3		
Sound pressure level L _{pA} dB	59	dB(A)	+3dB(A)
Moment of inertia J = ¼ GD ² kgm ²	0.039	kg-m ²	
Weight	84	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%	82.5	796	10.6
VSD Speed 25% Torque 100%	65.9	970	12.9
VSD Speed 90% Torque 50%	89.8	383	5.1
VSD Speed 50% Torque 50%	85.4	321	4.3
VSD Speed 50% Torque 25%	81.4	214	2.9
VSD Speed 25% Torque 25%	70.5	196	2.6