

IEC LV MOTORS

# Motor data sheet

## M2BAX 132MLA 6

Definition	Data	Unit	Remarks
Product code	3GBA133410-**D		CalcId: 3GZC021013-307
Voltage code	D		
Type/Frame	M2BAX 132MLA 6		
Design	BASIC		
Efficiency class	IE3		IEC 60034-2-1:2014
Rated output P <sub>N</sub>	5.5	kW	
Rated voltage U <sub>N</sub>	400	V	± 5 % (IEC 60034-1)
Rated frequency f <sub>N</sub>	50	Hz	± 2 % (IEC 60034-1)
Rated speed n <sub>N</sub>	974	r/min	
Rated current I <sub>N</sub>	13.5	A	
Starting current I <sub>S</sub> /I <sub>N</sub>	5		
Nominal torque T <sub>N</sub>	53.93	Nm	
Locked rotor torque T <sub>l</sub> /T <sub>N</sub>	1.86		
Maximum torque T <sub>b</sub> /T <sub>N</sub>	2.83		
Efficiency - full load 100%	88.0	%	IEC 60034-2-1:2014
Efficiency - 75%	88.5	%	
Efficiency - 50%	88.3	%	
Power factor - full load 100%	0.67		
Bearing DE/NDE	6208-2Z/C3 6208-2Z/C3		
Sound pressure level L <sub>pA</sub> dB	65	dB(A)	+3dB(A)
Moment of inertia J = ¼ GD <sup>2</sup> kgm <sup>2</sup>	0.051	kg-m <sup>2</sup>	
Weight	97	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%	86.4	779	14.2
VSD Speed 50% Torque 100%	79.3	718	13.1
VSD Speed 25% Torque 100%	63.5	790	14.4
VSD Speed 90% Torque 50%	86.1	400	7.3
VSD Speed 50% Torque 50%	80.7	329	6.0
VSD Speed 50% Torque 25%	74.4	237	4.3
VSD Speed 25% Torque 25%	62.5	206	3.8