

Motor data sheet

IEC LV MOTORS

M2BAX 132MLA 4

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

Definition	Data	Unit	Remarks
Product code	3GBA132410-**D		CalcId: 3GZC021013-303
Voltage code	D		
Type/Frame	M2BAX 132MLA 4		
Design	CENELEC		
Efficiency class	IE3		IEC 60034-2-1:2014
Rated output P_N	7.5	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	1464	r/min	
Rated current I_N	14.6	A	
Starting current I_S/I_N	8		
Nominal torque T_N	48.92	Nm	
Locked rotor torque T_l/T_N	2.41		
Maximum torque T_b/T_N	2.51		
Efficiency - full load 100%	90.4	%	IEC 60034-2-1:2014
Efficiency - 75%	91.0	%	
Efficiency - 50%	90.4	%	
Power factor - full load 100%	0.79		
Bearing DE/NDE	6208-2Z/C3 6208-2Z/C3		
Sound pressure level L_{pA} dB	59	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ 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%	82.6	790	10.5
VSD Speed 25% Torque 100%	67.3	911	12.1
VSD Speed 90% Torque 50%	89.2	409	5.4
VSD Speed 50% Torque 50%	84.6	341	4.6
VSD Speed 50% Torque 25%	79.7	239	3.2
VSD Speed 25% Torque 25%	68.2	219	2.9