

IEC LV MOTORS

Motor data sheet

M2BAX 71MB 2

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

Definition	Data	Unit	Remarks
Product code	3GBA071320-**D		CalcId: 3GZC021007-38
Voltage code	S		
Type/Frame	M2BAX 71MB 2		
Design	CENELEC		
Efficiency class	IE3		IEC 60034-2-1:2014
Rated output P_N	0.55	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	2833	r/min	
Rated current I_N	1.28	A	
Starting current I_S/I_N	6.2		
Nominal torque T_N	1.86	Nm	
Locked rotor torque T_l/T_N	3.1		
Maximum torque T_b/T_N	3.5		
Efficiency - full load 100%	78.4	%	IEC 60034-2-1:2014
Efficiency - 75%	77.5	%	
Efficiency - 50%	74.2	%	
Power factor - full load 100%	0.77		
Bearing DE/NDE	6203-2Z/C3 6202-2Z/C3		
Sound pressure level L_{pA} dB	49.7	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0.0004	kg-m ²	
Weight	10	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%	76.6	151	27.5
VSD Speed 50% Torque 100%	64.1	154	28.0
VSD Speed 25% Torque 100%	45.6	164	29.8
VSD Speed 90% Torque 50%	73.1	91	16.6
VSD Speed 50% Torque 50%	66.5	69	12.6
VSD Speed 50% Torque 25%	53.8	59	10.7
VSD Speed 25% Torque 25%	45.5	41	7.5