

IEC LV MOTORS

Motor data sheet

M2BAX 71MC 2

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

Definition	Data	Unit	Remarks
Product code	3GBA071330-**D		CalcId: 3GZC021007-37
Voltage code	S		
Type/Frame	M2BAX 71MC 2		
Design	CENELEC		
Efficiency class	IE3		IEC 60034-2-1:2014
Rated output P_N	0.37	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	2838	r/min	
Rated current I_N	0.86	A	
Starting current I_S/I_N	6.9		
Nominal torque T_N	1.25	Nm	
Locked rotor torque T_l/T_N	2.85		
Maximum torque T_b/T_N	3.45		
Efficiency - full load 100%	76.5	%	IEC 60034-2-1:2014
Efficiency - 75%	75.4	%	
Efficiency - 50%	71.9	%	
Power factor - full load 100%	0.77		
Bearing DE/NDE	6203-2Z/C3 6202-2Z/C3		
Sound pressure level L_{pA} dB	50.1	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0.00035	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%	74.8	112	30.3
VSD Speed 50% Torque 100%	61.8	114	30.9
VSD Speed 25% Torque 100%	46.1	108	29.2
VSD Speed 90% Torque 50%	71.9	65	17.6
VSD Speed 50% Torque 50%	66.4	47	12.7
VSD Speed 50% Torque 25%	55.0	38	10.2
VSD Speed 25% Torque 25%	45.7	28	7.4