

Motor data sheet

IEC LV MOTORS

M2BAX 80MLA 4

Definition	Data	Unit	Remarks
Product code	3GBA082410-***D		
Voltage code	D		
Type/Frame	M2BAX 80MLA 4		
Design	CENELEC		
Efficiency class	IE3		Acc. to IEC 60034-30-1:2014
Rated output P_N	0.75	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	1426	r/min	
Rated current I_N	1.6	A	
Starting current I_s/I_N	6.6		
Nominal torque T_N	5.04	Nm	
Locked rotor torque T_l/T_N	2.1		
Maximum torque T_b/T_N	3.1		
Efficiency - full load 100%	82.5	%	Acc. to IEC 60034-2-1
Efficiency - 75%	82.8	%	
Efficiency - 50%	81.6	%	
Power factor - full load 100%	0.82		
Bearing DE/NDE	6204-2Z/C3 6203-2Z/C3		
Sound pressure level L_{pA} dB	49	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0	kg-m ²	
Weight	21	kg	
Motor losses with VSD supply	Efficiency %	Losses in Watts	Relative losses %
Speed 90% Torque 100%			
Speed 50% Torque 100%			
Speed 90% Torque 50%			
Speed 25% Torque 100%			
Speed 50% Torque 25%			
Speed 25% Torque 25%			

All data subject to tolerances in accordance with IEC. Data subject to changes.