

IEC LV MOTORS

Motor data sheet

M2BAX 80MC 2

Definition	Data	Unit	Remarks
Product code	3GBA081330-**D		
Voltage code	S		
Type/Frame	M2BAX 80MC 2		
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	2891	r/min	
Rated current I_N	1.66	A	
Starting current I_S/I_N	7.5		
Nominal torque T_N	2.49	Nm	
Locked rotor torque T_l/T_N	2.9		
Maximum torque T_b/T_N	3.7		
Efficiency - full load 100%	80.7	%	Acc. to IEC 60034-2-1
Efficiency - 75%	81.0	%	
Efficiency - 50%	78.9	%	
Power factor - full load 100%	0.8		
Bearing DE/NDE	6204-2Z/C3 6203-2Z/C3		
Sound pressure level L_{pA} dB	58.4	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0	kg-m ²	
Weight	16	kg	
Motor losses with VSD supply	Efficiency %	Losses in Watts	Relative losses %
Speed 90% Torque 100%	78.9	180	24.1
Speed 50% Torque 100%	68.7	171	22.8
Speed 90% Torque 50%	76.1	106	14.1
Speed 50% Torque 50%	70.6	78	10.4
Speed 25% Torque 100%	49.5	191	25.5
Speed 50% Torque 25%	60.9	60	8.0
Speed 25% Torque 25%	49.1	49	6.5

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