

Motor data sheet

IEC LV MOTORS

M3AA 132MB 4

Definition	Data	Unit	Remarks
Product code	3GAA132320-***K		
Voltage code	D		
Type/Frame	M3AA 132MB 4		
Design	CENELEC		
Efficiency class	IE3		Acc. to IEC 60034-30-1:2014
Rated output P_N	5.5	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	1464	r/min	
Rated current I_N	11.4	A	
Starting current I_s/I_N	7		
Nominal torque T_N	35.87	Nm	
Locked rotor torque T_l/T_N	2.8		
Maximum torque T_b/T_N	3.9		
Efficiency - full load 100%	89.6	%	Acc. to IEC 60034-2-1
Efficiency - 75%	90.2	%	
Efficiency - 50%	89.5	%	
Power factor - full load 100%	0.78		
Bearing DE/NDE	6208-2Z/C3 6206-2Z/C3		
Sound pressure level L_{pA} dB	70	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0.03	kg-m ²	
Weight	68	kg	
Motor losses with VSD supply	Efficiency %	Losses in Watts	Relative losses %
Speed 90% Torque 100%	88.5	643	11.7
Speed 50% Torque 100%	82.3	591	10.8
Speed 90% Torque 50%	88.0	338	6.1
Speed 50% Torque 50%	84.0	262	4.8
Speed 25% Torque 100%	66.6	690	12.5
Speed 50% Torque 25%	78.6	187	3.4
Speed 25% Torque 25%	68.9	155	2.8

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