

Motor data sheet

IEC LV MOTORS

M3AA 132MD 6

Definition	Data	Unit	Remarks
Product code	3GAA133340-***K		
Voltage code	D		
Type/Frame	M3AA 132MD 6		
Design	CENELEC		
Efficiency class	IE3		Acc. to IEC 60034-30-1:2014
Rated output P_N	4	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	973	r/min	
Rated current I_N	9.1	A	
Starting current I_s/I_N	5.6		
Nominal torque T_N	39.2	Nm	
Locked rotor torque T_l/T_N	1.9		
Maximum torque T_b/T_N	2.7		
Efficiency - full load 100%	88.5	%	Acc. to IEC 60034-2-1
Efficiency - 75%	87.7	%	
Efficiency - 50%	87.5	%	
Power factor - full load 100%	0.72		
Bearing DE/NDE	6208-2Z/C3 6206-2Z/C3		
Sound pressure level L_{pA} dB	61	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0.04	kg-m ²	
Weight	67	kg	
Motor losses with VSD supply	Efficiency %	Losses in Watts	Relative losses %
Speed 90% Torque 100%	87.4	519	13.0
Speed 50% Torque 100%	81.8	445	11.1
Speed 90% Torque 50%	86.5	281	7.0
Speed 50% Torque 50%	82.6	211	5.3
Speed 25% Torque 100%	67.6	479	12.0
Speed 50% Torque 25%	76.2	156	3.9
Speed 25% Torque 25%	65.6	131	3.3

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