

Motor data sheet

M2AA 100LD 4

Definition	Data	Unit	Remarks
Product code	3GAA 102 214-**E		
Voltage code	S		
Type/Frame	M2AA 100LD 4		
Design	CENELEC		
Efficiency class	IE2		
Rated output P_N	3	kW	
Rated voltage U_N	230	V X	± 5 % (IEC 60034-1)
Rated frequency f_N	50	Hz	± 2 % (IEC 60034-1)
Rated speed n_N	1445	r/min	
Rated current I_N	10.96	A	
Starting current I_S/I_N	7		
Nominal torque T_N	19.8	Nm	
Locked rotor torque T_l/T_N	2.4		
Maximum torque T_b/T_N	3		
Efficiency - full load 100%	85.7	%	Acc. to IEC 60034-2-1
Efficiency - 75%	86.1	%	
Efficiency - 50%	85.1	%	
Power factor - full load 100%	0.79		
Bearing DE/NDE	6306-2Z/C3 6205-2Z/C3		
Sound pressure level L_{pA} dB	63	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0.01	kg-m ²	
Weight	28	kg	