

Motor data sheet

M2BAX 250SMA 4

Definition	Data	Unit	Remarks
Product code	3GBA252210-**D		
Voltage code	D		
Type/Frame	M2BAX 250SMA 4		
Design	CENELEC		
Efficiency class	IE3		
Rated output P_N	55	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	1482	r/min	
Rated current I_N	100	A	
Starting current I_S/I_N	7.1		
Nominal torque T_N	354.2	Nm	
Locked rotor torque T_l/T_N	2.9		
Maximum torque T_b/T_N	3.4		
Efficiency - full load 100%	94.55	%	Acc. to IEC 60034-2-1
Efficiency - 75%	94.66	%	
Efficiency - 50%	94.04	%	
Power factor - full load 100%	0.84		
Bearing DE/NDE	6215-2Z/C3 6212-2Z/C3		
Sound pressure level L_{pA} dB	68	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0.69	kg-m ²	
Weight	358	kg	