

# Motor data sheet

## M2AA 250SMA 4

Definition	Data	Unit	Remarks
Product code	3GAA 252 042-**G		
Voltage code	S		
Type/Frame	M2AA 250SMA 4		
Design	CENELEC		
Efficiency class	IE2		
Rated output $P_N$	55	kW	
Rated voltage $U_N$	230	V X	± 5 % (IEC 60034-1)
Rated frequency $f_N$	50	Hz	± 2 % (IEC 60034-1)
Rated speed $n_N$	1478	r/min	
Rated current $I_N$	172.8	A	
Starting current $I_S/I_N$	7.3		
Nominal torque $T_N$	355	Nm	
Locked rotor torque $T_l/T_N$	2.8		
Maximum torque $T_b/T_N$	3		
Efficiency - full load 100%	93.54	%	Acc. to IEC 60034-2-1
Efficiency - 75%	94.3	%	
Efficiency - 50%	93.76	%	
Power factor - full load 100%	0.85		
Bearing DE/NDE	6215-2Z/C3 6212-2Z/C3		
Sound pressure level $L_{pA}$ dB	64.5	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm <sup>2</sup>	0.48	kg-m <sup>2</sup>	
Weight	311	kg	