

# Motor data sheet

## M2AA 160MLB 4

Definition	Data	Unit	Remarks
Product code	3GAA 162 044-**G		
Voltage code	S		
Type/Frame	M2AA 160MLB 4		
Design	CENELEC		
Efficiency class	IE2		
Rated output $P_N$	15	kW	
Rated voltage $U_N$	230	V X	± 5 % (IEC 60034-1)
Rated frequency $f_N$	50	Hz	± 2 % (IEC 60034-1)
Rated speed $n_N$	1463	r/min	
Rated current $I_N$	49.5	A	
Starting current $I_S/I_N$	7.2		
Nominal torque $T_N$	97.9	Nm	
Locked rotor torque $T_l/T_N$	2.7		
Maximum torque $T_b/T_N$	3.6		
Efficiency - full load 100%	90.65	%	Acc. to IEC 60034-2-1
Efficiency - 75%	92.09	%	
Efficiency - 50%	91.87	%	
Power factor - full load 100%	0.84		
Bearing DE/NDE	6209-2Z/C3 6209-2Z/C3		
Sound pressure level $L_{pA}$ dB	65	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm <sup>2</sup>	0.09	kg-m <sup>2</sup>	
Weight	105	kg	