

# Motor data sheet

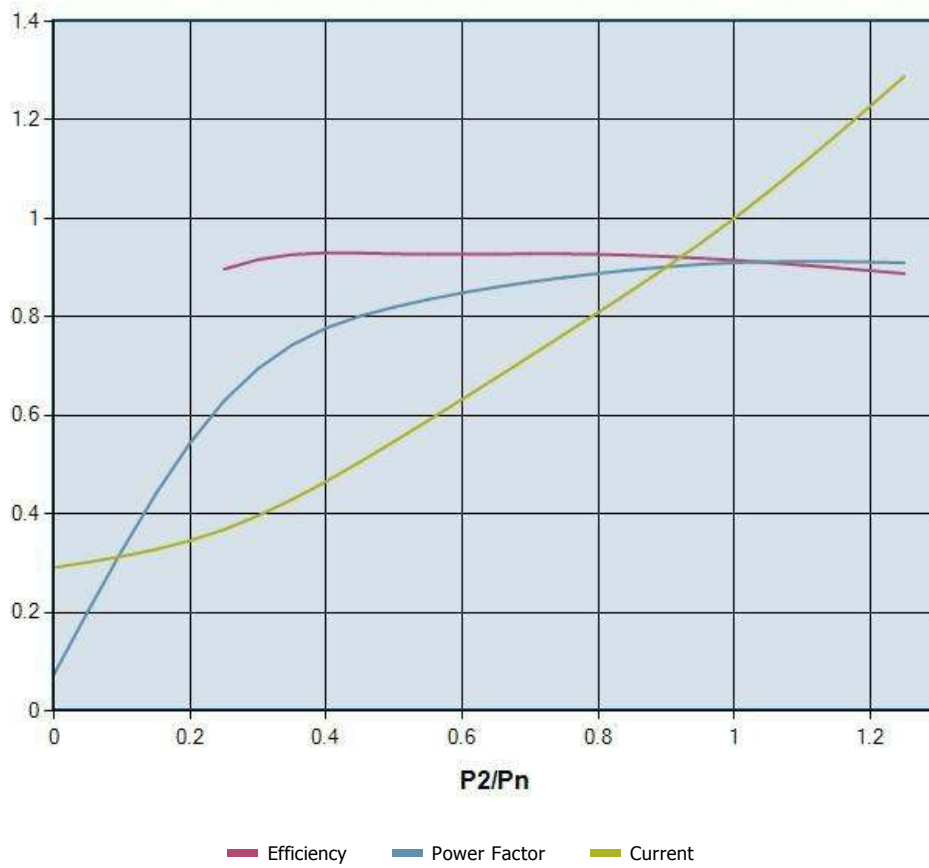
## M2AA 180MLA 2

Definition	Data	Unit	Remarks
Product code	3GAA 181 042-**G		
Voltage code	C		
Type/Frame	M2AA 180MLA 2		
Design	CENELEC		
Efficiency class	IE2		
Rated output $P_N$	22	kW	
Rated voltage $U_N$	400	V Y	± 5 % (IEC 60034-1)
Rated frequency $f_N$	50	Hz	± 2 % (IEC 60034-1)
Rated speed $n_N$	2933	r/min	
Rated current $I_N$	38.1	A	
Starting current $I_S/I_N$	7.8		
Nominal torque $T_N$	71.6	Nm	
Locked rotor torque $T_l/T_N$	3		
Maximum torque $T_b/T_N$	3.5		
Efficiency - full load 100%	91.48	%	Acc. to IEC 60034-2-1
Efficiency - 75%	92.73	%	
Efficiency - 50%	92.73	%	
Power factor - full load 100%	0.9		
Bearing DE/NDE	6210-2Z/C3 6209-2Z/C3		
Sound pressure level $L_{pA}$ dB	73	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm <sup>2</sup>	0.06	kg-m <sup>2</sup>	
Weight	123	kg	

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### Running performance chart



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### Starting performance chart information

