

Motor data sheet

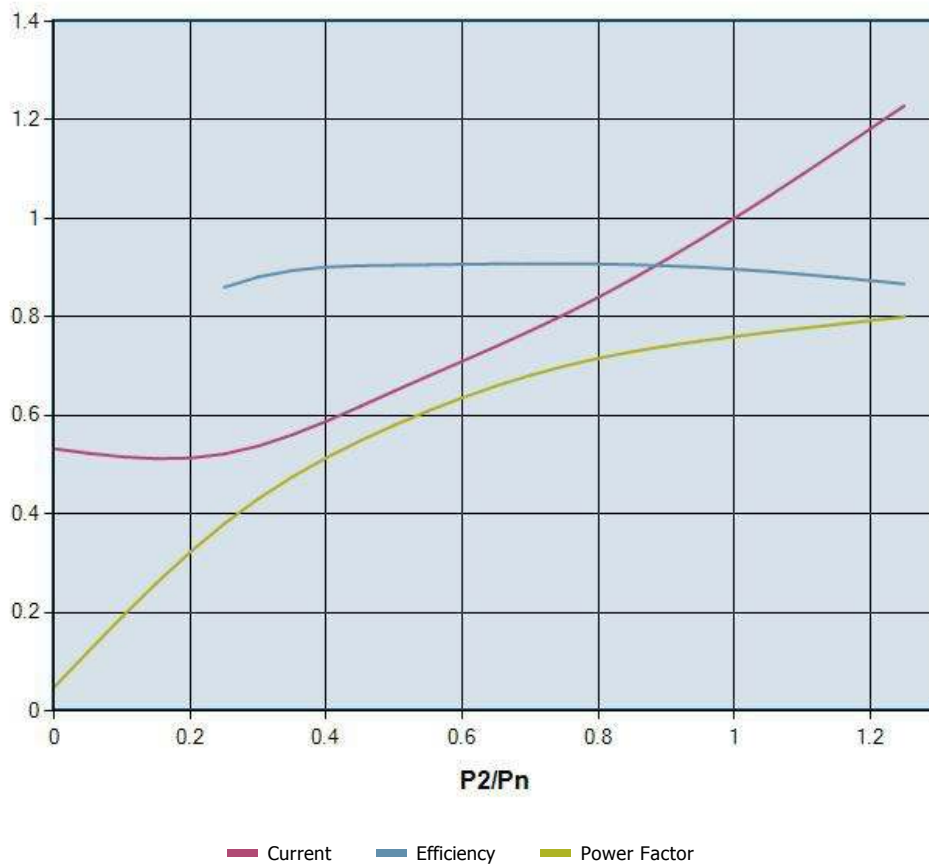
M2AA 180MLA 6

Definition	Data	Unit	Remarks
Product code	3GAA 183 042-**G		
Voltage code	C		
Type/Frame	M2AA 180MLA 6		
Design	CENELEC		
Efficiency class	IE2		
Rated output P_N	15	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	971	r/min	
Rated current I_N	31.7	A	
Starting current I_S/I_N	7.8		
Nominal torque T_N	147	Nm	
Locked rotor torque T_l/T_N	2.5		
Maximum torque T_b/T_N	4.1		
Efficiency - full load 100%	89.72	%	Acc. to IEC 60034-2-1
Efficiency - 75%	90.75	%	
Efficiency - 50%	90.47	%	
Power factor - full load 100%	0.76		
Bearing DE/NDE	6210-2Z/C3 6209-2Z/C3		
Sound pressure level L_{pA} dB	61	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0.14	kg-m ²	
Weight	139	kg	

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Running performance chart



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Starting performance chart information

