

Motor data sheet

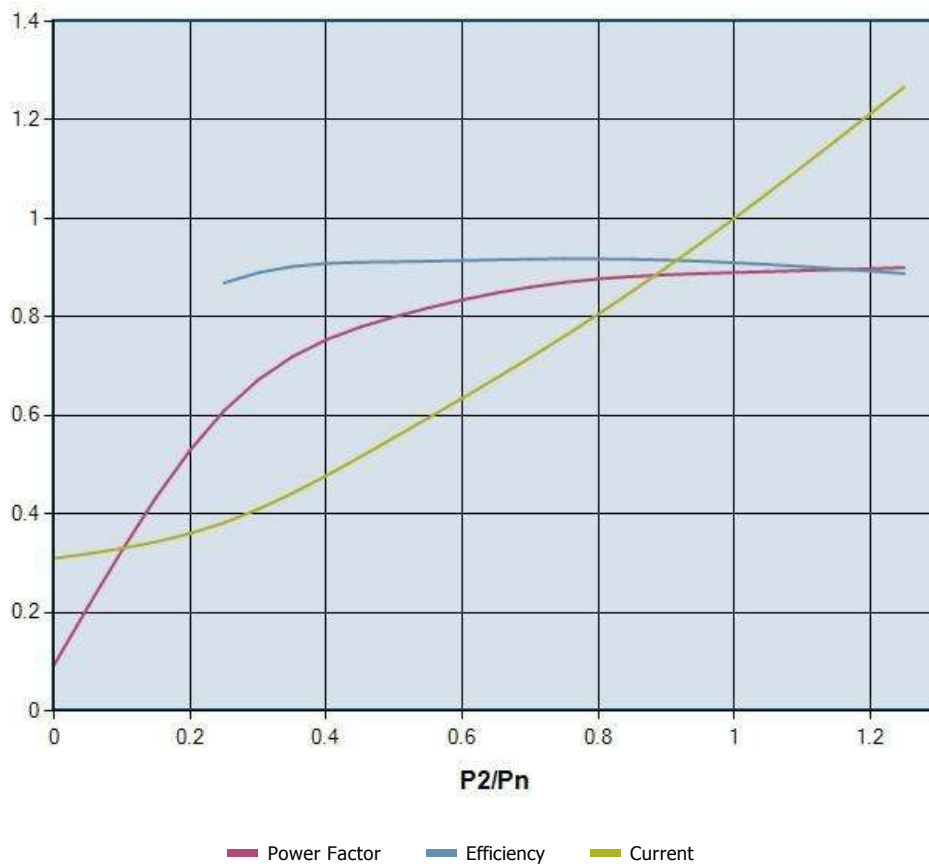
M2AA 160MLC 2

Definition	Data	Unit	Remarks
Product code	3GAA 161 046-**G		
Voltage code	C		
Type/Frame	M2AA 160MLC 2		
Design	CENELEC		
Efficiency class	IE2		
Rated output P_N	18.5	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	2934	r/min	
Rated current I_N	32.9	A	
Starting current I_S/I_N	7.3		
Nominal torque T_N	60.2	Nm	
Locked rotor torque T_l/T_N	2.6		
Maximum torque T_b/T_N	3.2		
Efficiency - full load 100%	90.91	%	Acc. to IEC 60034-2-1
Efficiency - 75%	91.77	%	
Efficiency - 50%	91.2	%	
Power factor - full load 100%	0.89		
Bearing DE/NDE	6209-2Z/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 ²	0.05	kg-m ²	
Weight	104	kg	

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Running performance chart



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Starting performance chart information

