

Motor data sheet

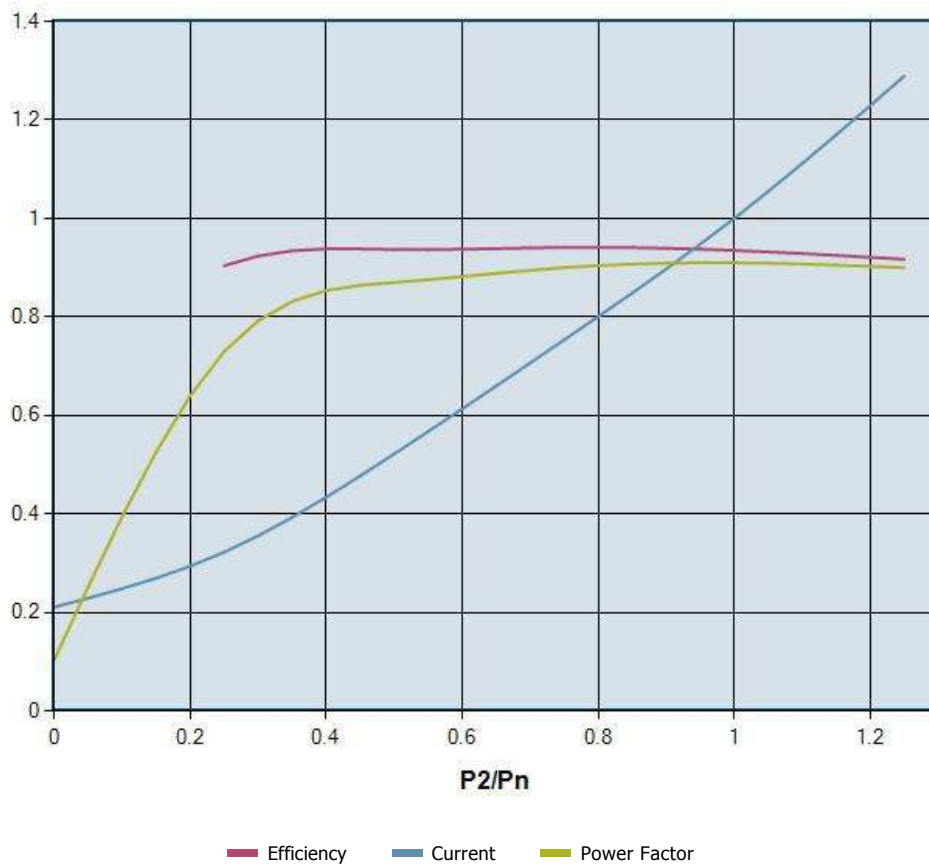
M2AA 250SMA 2

Definition	Data	Unit	Remarks
Product code	3GAA 251 042-**G		
Voltage code	S		
Type/Frame	M2AA 250SMA 2		
Design	CENELEC		
Efficiency class	IE2		
Rated output P_N	55	kW	
Rated voltage U_N	380	V Y	± 5 % (IEC 60034-1)
Rated frequency f_N	50	Hz	± 2 % (IEC 60034-1)
Rated speed n_N	2954	r/min	
Rated current I_N	98.2	A	
Starting current I_S/I_N	6.1		
Nominal torque T_N	177	Nm	
Locked rotor torque T_l/T_N	2.4		
Maximum torque T_b/T_N	2.3		
Efficiency - full load 100%	93.49	%	Acc. to IEC 60034-2-1
Efficiency - 75%	94.07	%	
Efficiency - 50%	93.68	%	
Power factor - full load 100%	0.9		
Bearing DE/NDE	6215-2Z/C3 6212-2Z/C3		
Sound pressure level L_{pA} dB	75	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0.28	kg-m ²	
Weight	308	kg	

Motor data sheet

M2AA 250SMA 2

Running performance chart



Motor data sheet

M2AA 250SMA 2

Starting performance chart information

