

# Motor data sheet

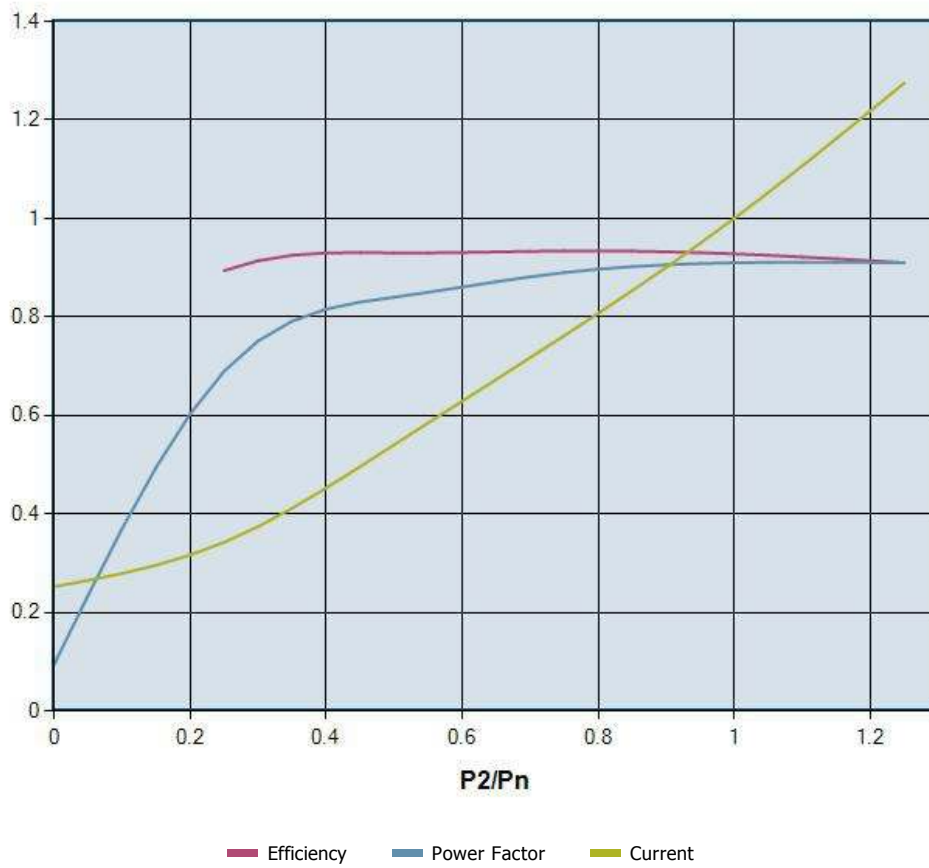
## M2AA 225SMA 2

Definition	Data	Unit	Remarks
Product code	3GAA 221 042-**G		
Voltage code	D		
Type/Frame	M2AA 225SMA 2		
Design	CENELEC		
Efficiency class	IE2		
Rated output $P_N$	45	kW	
Rated voltage $U_N$	380	V X	± 5 % (IEC 60034-1)
Rated frequency $f_N$	50	Hz	± 2 % (IEC 60034-1)
Rated speed $n_N$	2954	r/min	
Rated current $I_N$	80.9	A	
Starting current $I_S/I_N$	7.3		
Nominal torque $T_N$	145	Nm	
Locked rotor torque $T_l/T_N$	2.7		
Maximum torque $T_b/T_N$	3		
Efficiency - full load 100%	92.93	%	Acc. to IEC 60034-2-1
Efficiency - 75%	93.67	%	
Efficiency - 50%	93.14	%	
Power factor - full load 100%	0.9		
Bearing DE/NDE	6213-2Z/C3 6210-2Z/C3		
Sound pressure level $L_{pA}$ dB	75	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm <sup>2</sup>	0.2	kg-m <sup>2</sup>	
Weight	244	kg	

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### Running performance chart



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### Starting performance chart information

