

Generatori a magneti permanenti
per velocità medio alte

*Permanent magnet generators
for medium-high speeds*

I colori del prodotto rappresentato nella foto hanno solo scopo illustrativo
The colors of the product as in the picture are there for demonstration purposes only



PMg
Made in Italy ■ ■

 **sogaenergies**

Generatori speciali a magneti permanenti

Special permanent magnet generators

il futuro è energia

future is energy

Sfruttare i salti d'acqua, i venti, le maree, la pressione dei gas e ogni altra fonte di potenza meccanica per produrre energia elettrica rinnovabile per noi è già realtà. La serie PMG è rivolta ai costruttori di generatori di energie rinnovabili (generatori eolici, turbine a gas, idroturbine...) che, come noi, credono fortemente nello sviluppo di progetti speciali nel campo dell'energia. Coniugando la nostra esperienza con la loro vocazione all'innovazione, realizziamo generatori speciali a magneti permanenti sia in costruzione chiusa IP54 che aperta IP23, multipoli, per utilizzo con inverter, a basse o alte velocità.

Seguiteci in un futuro di energia.

Exploiting water leaps, winds, tide flows, gas pressure and any other sort of mechanical power to produce renewable electrical energy is our modern reality. PMG series has born for all renewable energy generators manufacturers (wind-generators, gas turbines, hydro turbines) which, as ourselves, strongly believe in the development of energy special projects. By combining our experience with their vocation for innovation, we develop special permanent magnets IP54 and IP23 generators, multi-poles, to be used with or without inverters, for slow or high speed systems.

Follow us in a future of energy.

caratteristiche generali e tecniche

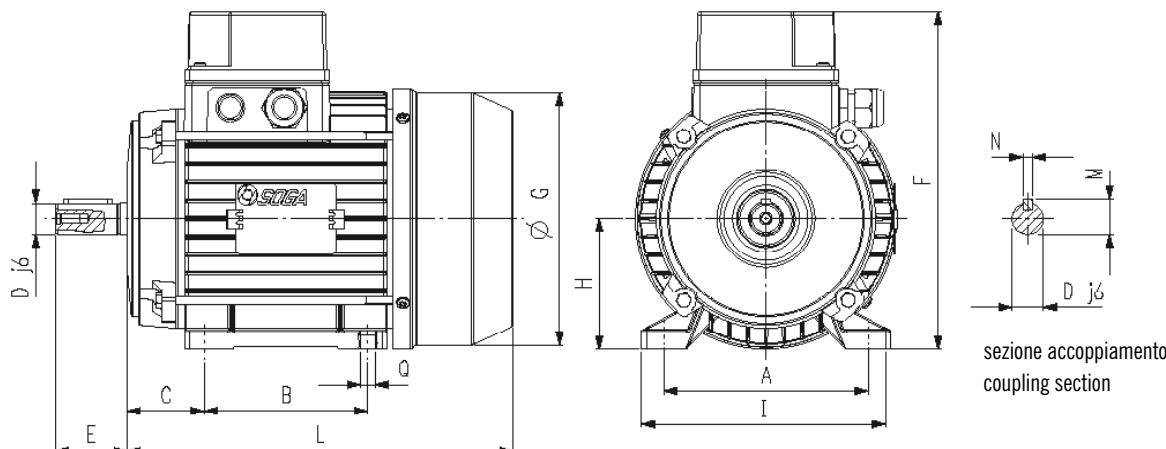
general and technical features

- > Le tensioni possono avere variazioni sensibili (anche del -20%) da vuoto a carico nominale. La tensione a vuoto e la frequenza sono proporzionali alla velocità;
- > Non esistono sotto o sovra tensioni in transitorio;
- > p.f. = 1
- > Forme costruttive: B3, B5, B14, B3/B5, B3/B14, J609A, J609B

- > Voltages can have important drops (even -20%) from no load to full load. No load voltage and frequency are proportional to the speed;
- > Under and over transient voltages are never present;
- > Standard power factor = 1
- > Main couplings: B3, B5, B14, B3/B5, B3/B14, J609A, J609B

modelli / models	characteristics												dimensioni forma B3 (mm) - dimensions B3 form (mm)				
	poles	rpm max	A	B	C	D	E	F	G	H	I	L	M	N	Q		
PMG 90 S	8	4500	140	100	56	24	50	220	176	90	170	254,5	27	8	9		
PMG 90 L	8	4500	140	125	56	24	50	220	176	90	170	279,5	27	8	9		
PMG 112	12	4000	190	140	70	28	60	262	215	112	220	328,5	31	8	11		
PMG 160 M	18	3000	254	210	108	42	110	382,5	311	160	318	494	45	12	13		
PMG 160 L	18	3000	254	254	108	42	110	382,5	311	160	318	538	45	12	13		

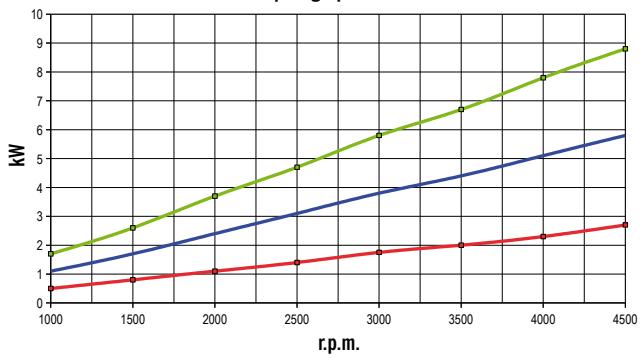
forma B3 / B3 form



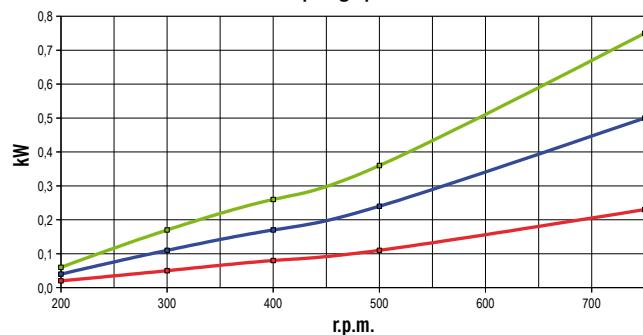
curve PMG 90 • AC

PMG 90 curves • AC

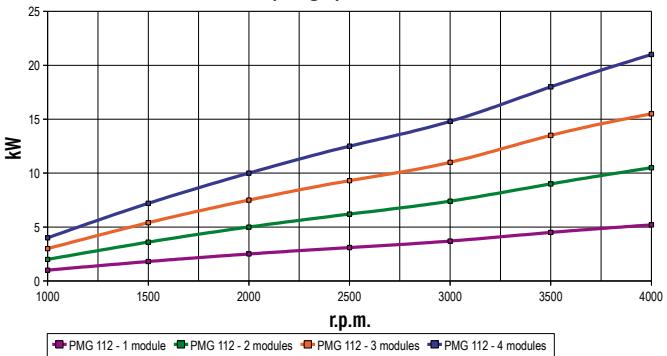
kW / r.p.m. graph - HIGH SPEEDS



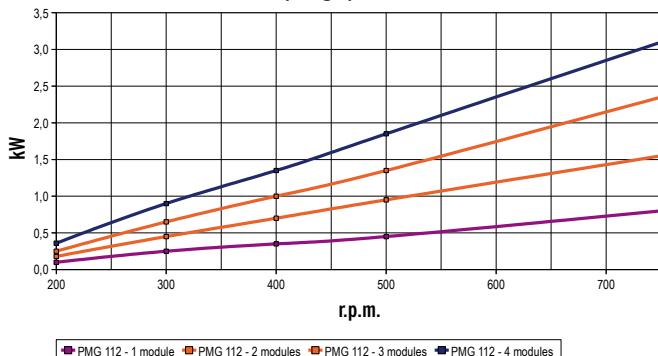
kW / r.p.m. graph - LOW SPEEDS



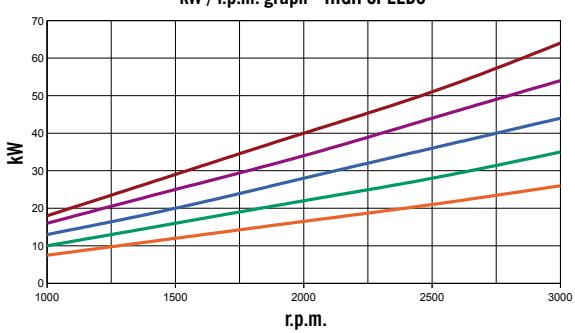
kW / r.p.m. graph - HIGH SPEEDS



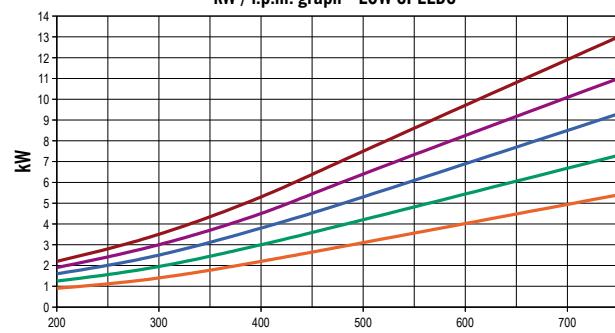
kW / r.p.m. graph - LOW SPEEDS



kW / r.p.m. graph - HIGH SPEEDS



kW / r.p.m. graph - LOW SPEEDS



Soga S.p.A., azienda italiana capogruppo del Soga Energy Team, progetta, realizza e commercializza macchine elettriche rotanti. Motori elettrici asincroni standard e customizzati fino a 37 kW / 50Hz, saldatrici AC e DC da 130 a 400A, alternatori sincroni da 1,2 a 2600 kVA / 50Hz, distribuiti in tutto il mondo attraverso i brand SOGA e SINCRO.



Per le condizioni generali di garanzia si veda il catalogo generale
For the general warranty conditions refer to the general catalogue

Soga S.p.A., the leading company of Soga Energy Team, is an Italian designer, manufacturer and seller of rotating electrical machines. Customized and standard asynchronous electric motors up to 37 kW / 50Hz, AC and DC welders from 130 up to 400A, synchronous alternators from 1,2 up to 2600 kVA/50Hz, traded in the worldwide market through the brands SOGA and SINCRO.



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