

iSeries Marine Generators for commercial vessels

with variable speed technology

The Panda iSeries generators have been especially designed to be compact, quiet and powerful - with up to 30 % weight and space savings! They are ideal for yacht owners who require low operating sound levels and vibrations.

The generators are characterised by their modern, innovative and environmentally friendly inverter technology.

The speed of the diesel engine is adjusted according to the user's changing power requirements while the output voltage always remains constant from the inverter. Variable speed control considerably reduces exhaust emissions and fuel consumption in comparison with a traditional generator with a fixed speed. The maximum speed of the engine is 2800 rpm. The electric load is provided with a constant output voltage of 230 V / 50 Hz or 120 V / 60 Hz via an inverter.

- Small size and low weight - compact installation
- Highly efficient - maximum energy
- Variable speed - load-dependent
- 230 V AC output - reliable power supply
- Pure sinus wave is ideal for sensitive electronics
- High starting capacity for air conditioners / compressors
- Easy to install - no forced air circulation required in machine room
- Environmentally friendly - low fuel consumption
- Optional CAN SAE J1939 interface

The iSeries generators are fitted with the renowned Fischer Panda sound insulation and water cooling.

Parallel connected iSeries

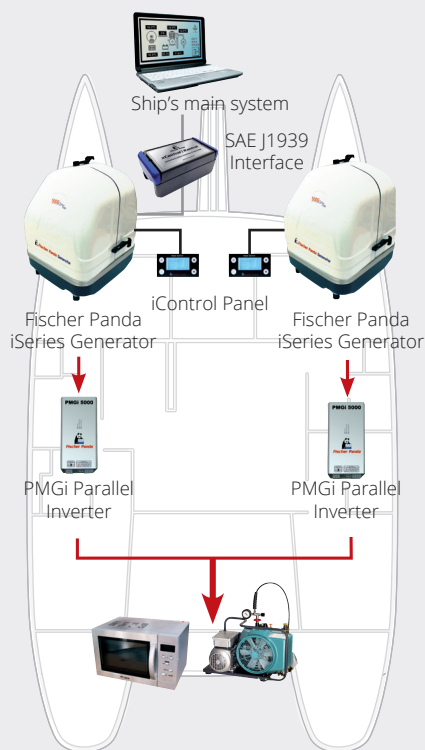
High performance solution for more comfort and safety

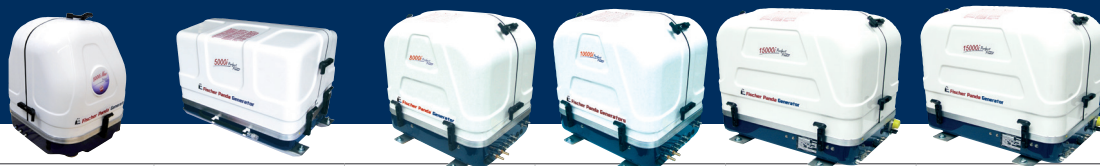
Fischer Panda also offers Parallel-PMGi inverters as an option. This allows several iSeries generators of different types to be easily connected in parallel. Extra cables or additional cabinets are not required. Each generator is fully independent and can be individually operated.

- Multiple i-Series generators can be easily connected in parallel - even if they have different outputs (using parallel inverters - available as option)
- Load-Sharing: both generators are equally loaded when operating in parallel
- Ideal for applications (multihulls - catamarans, trimarans) which may benefit from installing various smaller generators to improve weight distribution



Connect in parallel for more power





Model		Panda 5000i.Neo PMS	Panda 5000i PMS	Panda 8000i PMS	Panda 10000i PMS	Panda 15000i-230V PMS	Panda 15000i-400V PMS
Approx. capsule dimensions excl. fittings (L x W x H)	[mm]	426 x 456 x 509	600 x 399 x 406	520 x 445 x 545	540 x 445 x 555	650 x 465 x 589	650 x 465 x 589
Weight	[kg]	67	82	105	111	160	160
Sound level (7m / 3m / 1m)	[dB]	54 / 64 / 68	54 / 64 / 68	52 / 62 / 67	52 / 62 / 67	54 / 64 / 68	54 / 64 / 68
Cooling system		Dual circuit freshwater cooling via heat exchanger					
Standard capsule		GFK 3D	GFK 3D	GFK 3D	GFK 3D	GFK 3D	GFK 3D
Performance							
Nominal output	[kW]	0-4,0 (5 kVA)*	0-4,0 (5 kVA)*	0-6,4 (8 kVA)*	0-8,0 (10 kVA)*	0-12,0 (15 kVA)**	0-12,0 (15 kVA)*
Continuous output	[kW]	0-3,6*	0-3,6*	0-5,7*	0-7,2*	0-10,8**	0-10,8*
Output voltage	[V]	230 V	230 V	230 V	230 V	230 V	400 V
Voltage stability	[%]	± 3 %	± 3%	± 3 %	± 3 %	± 3 %	± 3 %
Frequency stability	[%]	50 Hz ± 0.1 Hz	50 Hz ± 0.1 Hz	50 Hz ± 0.1 Hz	50 Hz ± 0.1 Hz	50 Hz ± 0.1 Hz	50 Hz ± 0.1 Hz
Voltage regulation		electronic					
Frequency regulation		electronic					
Starter system		12V electric starter					
Autostart		integrated					
Remote control panel		Panda iControl digital display					
Inverter		PMGi 5000	PMGi 5000	PMGi 8000	PMGi 10000	PMGi 15000	PMGi 15000
Inverter cooling		air-cooled	air-cooled	air-cooled	air-cooled	air-cooled	water-cooled
Inverter weight	[kg]	8.75	8.75	12	13.5	16	21
Inverter dimensions	[mm]	350 x 206 x 144	350 x 206 x 144	340 x 251 x 206	340 x 251 x 206	410 x 251 x 225	520 x 284 x 199
Engine							
Engine manufacturer		Fischer Panda	Kubota	Kubota	Kubota	Kubota	Kubota
Engine type		FPE320	EA 300	Z482	Z602	D902	D902
Engine displacement	[cm³]	309	309	479	599	898	898
Speed	[rpm]	2500 - 3250	2400 - 2800	2400 - 2800	2400 - 2800	2200 - 2800	2200 - 2800
Installation and service kits (You can find further options and accessories in the latest Fischer Panda price list)							
Service Kit		0015691	0000688	0006353	0006383	0000703	0000703
Service-Kit “Plus”		request	0006356	0006360	0000702	0000699	0000699
Installation Kit “Basic”		0000677	0000677	0000677	0000677	0000677	0000677
Installation Kit “Premium” with exhaust/water separator		0000674	0000674	0000674	0000674	0000674	0000674
Shock-mounts		0000678	0002750	0002750	0002752	0002752	0002752

Disclaimer: The information contained here is to the best of our knowledge accurate at the date of publication. All products are subject to continuous development and Fischer Panda GmbH reserves the right to alter technical specifications without prior notice.

1) Dry weight

*) cosPhi 0,8 up to 40 °C ambient temperature, other cosPhi 1 up to 50 °C (air-cooled)

**) cosPhi 0,8 up to 40 °C ambient temperature, other cosPhi 1 up to 40 °C (air-cooled)
cosPhi 0,8 up to 50 °C ambient temperature, other cosPhi 1 up to 50 °C (water-cooled)

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