



Fischer Panda®

Perfect
Power

Fischer Panda iSeries marine generators for superyachts

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 superyacht owners looking for a night generator with 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 400 V / 50 Hz via an inverter.

- Small size and low weight - compact installation
- Highly efficient - maximum energy
- Variable speed - load-dependent
- 230 V / 400 V AC output - reliable power supply
- Pure sinus wave is ideal for sensitive electronics
- High starting capacity for air conditioners / diving 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

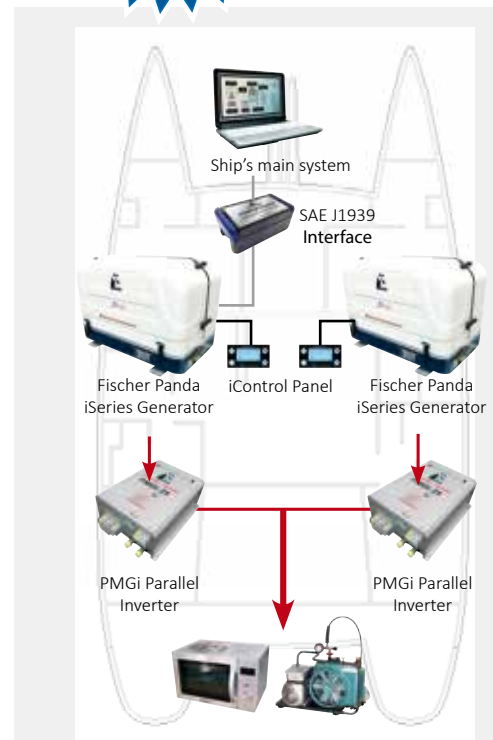
The high performance solution for even more comfort and safety

Several iSeries generators of different types can be easily connected in parallel (using parallel inverters - available as option). Extra cables or additional cabinets are not required. Each generator is fully independent and can be individually operated.

- Multiple 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) which may benefit from installing various smaller generators to improve weight distribution



Connect in parallel for more power





Model	Panda 19i PMS	Panda 25i-230V PMS	Panda 25i-400V PMS	Panda 45i PMS	Panda 60i PMS
Approx. capsule dimensions excl. fittings (L x W x H) [mm]	650 x 465 x 582	840 x 520 x 664		1130 x 660 x 810	1313 x 800 x 870
Weight [kg]	162	230	230	545	670
Sound level (7m / 3m 1m) [dB]	54 / 64 / 68	55 / 60 / 70		54 / 59 / 69	55 / 60 / 70
Cooling system	Dual circuit freshwater cooling via heat exchanger				
Standard capsule	GFK 3D	GFK 3D		MPL 4DS	MPL 6DS
Performance					
Nominal output [kW]	0-14.5 kW (18.1 kVA)*	0-20.0 (25 kVA)*		0-36.0 (45 kVA)*	0-48.0 (60 kVA)*
Continuous output [kW]	0 - 13*	0-18.0*		0-32.4*	0-43.2*
Output voltage [V]	230 V	230 V	400 V	400 V	400 V
Voltage stability [%]	± 3 %	± 3 %		± 3 %	± 3 %
Frequency stability [%]	50 / 60 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				
Control					
Starter system	12 V electric starter				
Autostart	integrated				
Remote control panel	Panda iControl digital display				
Inverter	PMG 19	PMGi 25	PMGi 25	PMGi 45	PMGi 60
Inverter cooling	water-cooled	water-cooled	water-cooled	water-cooled	water-cooled
Inverter weight [kg]	31	19	39	mounted inside capsule	mounted inside capsule
Inverter dimensions [mm]	530 x 379 x 202	420 x 344 x 166	540 x 414 x 224		
Engine					
Engine manufacturer	Kubota	Kubota		Kubota	Hatz
Engine type	D902	V1505		V2403T	4H50TIC
Engine displacement [cm³]	898	1498		2434	1952
Speed [rpm]	2200 - 3600	2200 - 2800	1500 - 2800	1500-2700	1500-2800
Installation and service kits (You can find further options and accessories in the latest Fischer Panda Price List.)					
Service kit	0000703	0000691		0006388	0006399
Service kit "Plus"	0000699	0006371		0006389	0006398
Installation kit "Basic"	0000677	0000673		0006291	0023179
Installation kit "Premium" with exhaust/water separator	0000674	0000676		0006296	0006277
Shock mounts	0002752	0002753		0002750	0002757

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.

*) cosPhi 0,8 up to 50°C ambient temperature, other cosPhi 1 up to 50°C



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