



Fischer Panda®

Perfect Power

iSeries Marine Generators for Superyachts

Variable Speed Technology - The iSeries Generators

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.

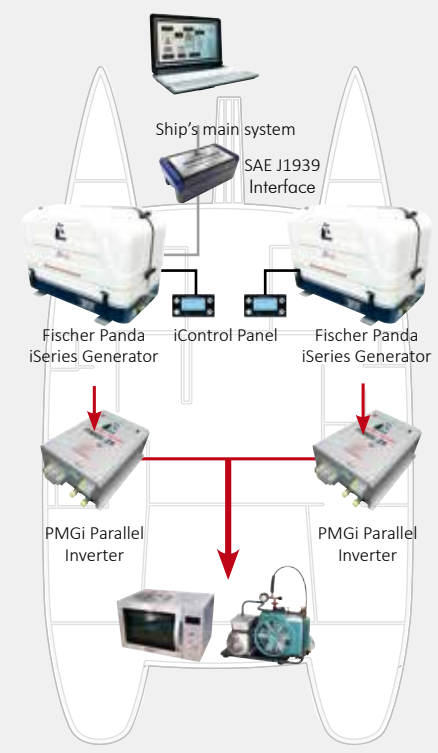
Parallel connected iSeries - the high performance solution for even more comfort and safety

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 25i-230V PMS	Panda 25i-400V PMS	Panda 45i PMS	Panda 60i PMS	Panda 150i PMS
Approx. capsule dimensions excl. fittings (LxWxH)	[mm]	840 x 520 x 664		1130 x 660 x 810	1430 x 720 x 880	1480 x 890 x 920
Weight	[kg]	230	230	545	770	1100
Sound level (7m / 3m 1m)	[dB]	54 / 59 / 69		54 / 59 / 69	55 / 60 / 70	55 / 60 / 70
Cooling system		Dual circuit freshwater cooling via heat exchanger				
Standard capsule		GFK 3D		MPL 4DS	MPL 6DS	MPL 6DS
Performance						
Nominal output	[kW]	0-20.0 (25 kVA)		0-36.0 (45 kVA)*	0-48.0 (60 kVA)*	0-120.0 (150 kVA)*
Continuous output	[kW]	0-18.0*		0-32.4*	0-43.2*	0-108.0*
Output voltage	[V]	230 V	400V	400 V	400 V	400 V
Voltage stability	[%]	± 3%		± 3%	± 3%	± 3%
Frequency stability	[%]	50 Hz ± 2%		50 Hz ± 2%	50 Hz ± 2%	50 Hz ± 2%
Voltage regulation		electronic				
Frequency regulation		electronic				
Control						
Starter system		12V electric starter				
Autostart		integrated				
Remote control panel		Panda iControl digital display				
Inverter		PMGi 25	PMGi 25	PMGi 45	PMGi 60	PMGi 150
Inverter cooling		water-cooled	water-cooled	water-cooled	water-cooled	water-cooled
Inverter weight	[kg]	19	39	mounted inside capsule	mounted inside capsule	mounted inside capsule
Inverter dimensions	[mm]	420 x 344 x 166	540 x 414 x 224			
Engine						
Engine manufacturer		Kubota		Kubota	Various	
Engine type		V1505		V2403T	4-cyl diesel	4-cyl diesel
Engine displacement	[cm ³]	1498		2434	2500	3000
Speed	[rpm]	2200 - 2800	1500 - 2800	1500-2700	1500-2800	1500-2800
Installation and service kits (You can find further options and accessories in the latest Fischer Panda Price List.)						
Service Kit		21.03.10.005		21.03.10.063	request	request
Service-Kit "Plus"		21.03.10.029		21.03.10.064	request	request
Installation Kit "Basic"		21.03.04.055		21.03.04.099	21.03.04.029	21.03.04.029
Installation Kit "Premium" with exhaust/water separator		21.03.04.067		21.03.04.112	21.03.04.021	21.03.04.021
Shock-mounts, captive		32.30.01.007		32.20.01.008	32.30.01.011H	32.30.01.011H

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 40°C ambient temperature, other cosPhi 1 up to 50°C
 **) cosPhi 0,8 up to 40°C ambient temperature, other cosPhi 1 up to 45°C

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