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مركز البراغي والعدد ذ.م.م
BOLTS & TOOLS CENTER L.L.C

BTCO®

Perfect Power

iSeries Marine Generators for Yachts

Parallel iSeries Generators - 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 generators can be connected in parallel and synchronised - no additional cables are required.

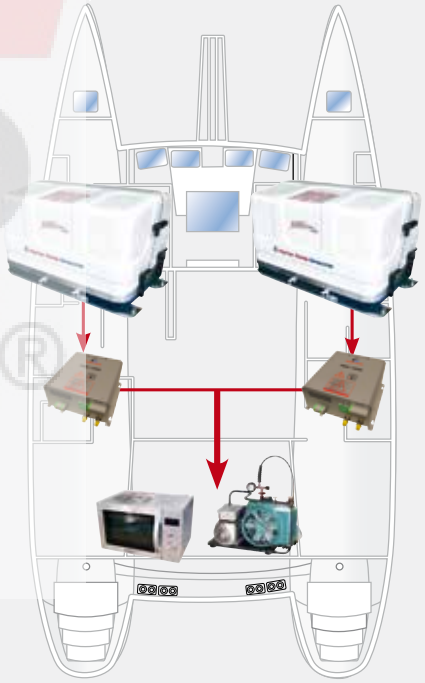
The speed of the diesel engine is adjusted according to the user's changing power requirements while the output voltage always remains constant from the inverter. Variable speed control considerably reduces exhaust emissions and fuel consumption in comparison with a traditional generator with a fixed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

- Easy to install - no forced air circulation required in machine room
- Environmentally friendly - low fuel consumption
- Digital display - up to date at all times

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. 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
- 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

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Model		Panda 4800i PMS	Panda 5000i PMS	Panda 8000i PMS	Panda 10000i PMS	Panda 15000i PMS
Approx. capsule dimensions excl. fittings (LxWxH)	[mm]	580 x 370 x 545	600 x 399 x 406	520 x 445 x 545	540 x 445 x 555	650 x 465 x 589
Weight	[kg]	80	82	105	111	148
Sound level (7m / 3m 1m)	[dB]	54 / 64 / 68	54 / 64 / 68	52 / 62 / 67	54 / 64 / 68	54 / 64 / 68
Cooling system		Dual circuit freshwater cooling via heat exchanger				
Performance						
Nominal output	[kW]	0-3,8 (4,7kVA)*	0-4,0 (5 kVA)*	0-6,4 (8 kVA)**	0-8,0 (10 kVA)*	0-12,0 (15 kVA)*
Continuous output	[kW]	0-3,4*	0-3,6*	0-5,7**	0-7,2*	0-10,8*
Output voltage	[V]	230 V	230 V	230 V	230 V	230 V
Voltage stability	[%]	± 3%	± 3%	± 3%	± 3%	± 3%
Frequency stability	[%]	50 Hz ± 2%	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		Panda PMGi 4800	Panda PMGi 5000	Panda PMGi 8000	Panda PMGi 10000	Panda PMGi 15000
Inverter weight	[kg	8,8	8,8	12,3	12,3	15,8
Inverter dimensions	[mm]	350 x 210 x 145	350 x 210 x 145	340 x 251 x 206	340 x 251 x 206	410 x 251 x 225
Engine						
Engine manufacturer		Farymann	Kubota	Kubota	Kubota	Kubota
Engine type		18W430	EA 300	Z482	Z602	D902
Engine displacement	[ccm]	298	309	479	599	898
Speed	[rpm]	2200- 2800	2200- 2800	2200- 2800	2200- 2800	2200- 2800

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