Fischer Panda® Perfect Power

# Fischer Panda iSeries marine generators for yachts

*with variable speed technology (5 - 15 kVA)*

Fischer 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

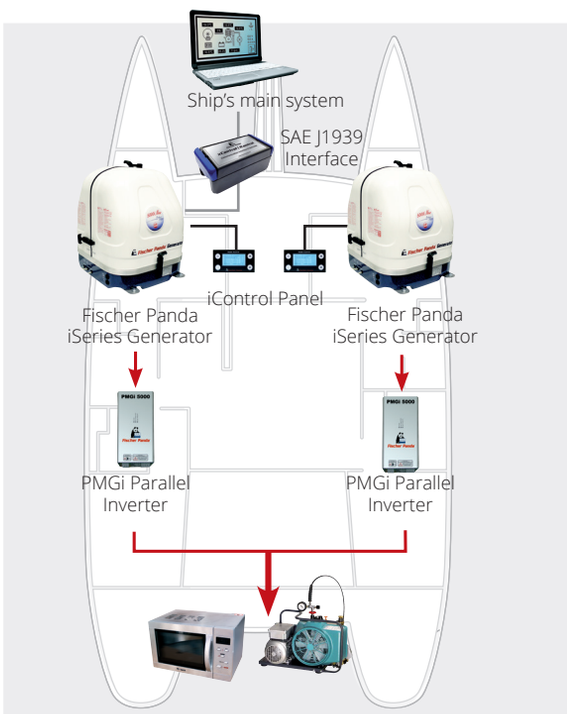
The iSeries generators are fitted with the renowned Fischer Panda sound insulation and water cooling.

## 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



| 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] | 434 x 456 x 519 | 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 | 9.75 | 9.75 | 9.75 | 13.5 | 16 | 21 |
| Inverter dimensions | [mm] | 405 x 212 x171 | 405 x 212 x171 | 405 x 212 x171 | 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)

Fischer Panda GmbH
Otto-Hahn-Str. 40
D-33104 Paderborn
Germany

Tel. : +49 5254 9202-0
Fax : +49 5254 9202-550
Hotline : +49 5254 9202-767
Email : info@fischerpanda.de
Web : www.fischerpanda.de

11/2020