



Fischer Panda®

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.

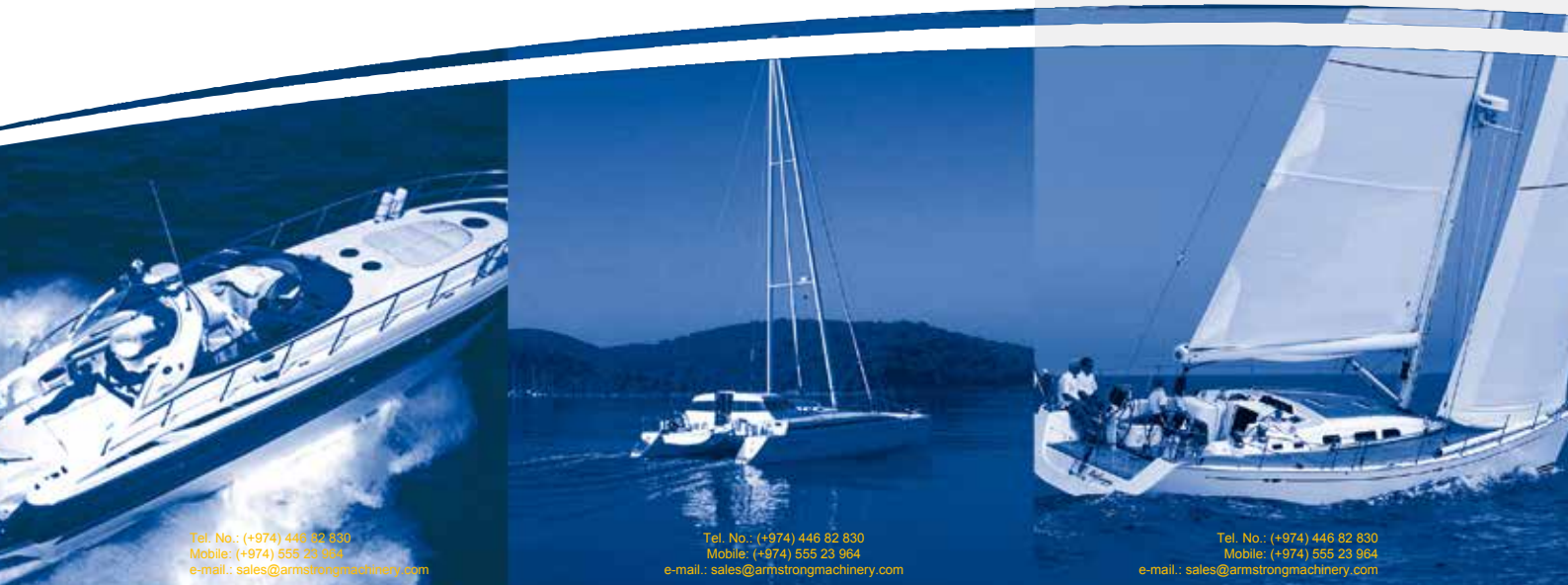
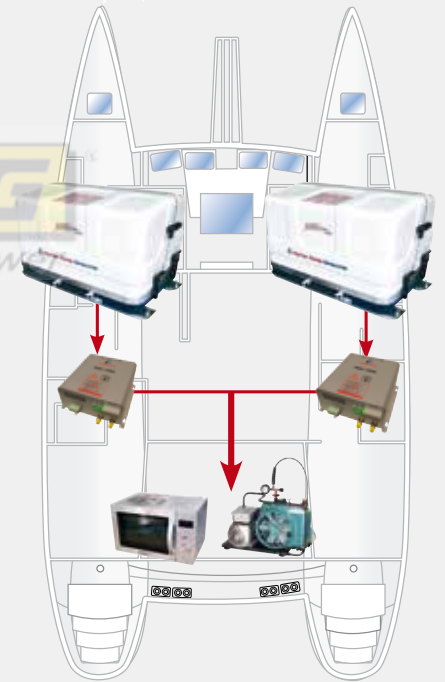
Parallel connected iSeries - the high performance solution for even more comfort and safety

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



Connect in
parallel
for more
power





| 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



Germany

