



Parallel connection of two fixed speed Fischer Panda generators is now available

Jun 11, 2020 12:52 BST

## New Parallel Connection Capability for Fischer Panda Fixed Speed Generators

Fischer Panda UK has announced that its fixed speed xSeries generators can now be connected in parallel, offering a quieter and more fuel-efficient solution for a variety of leisure and commercial applications.

Representing the latest evolution introduced by the generator specialist for its renowned range, the new development enables two constant speed Fischer Panda marine AC generators of different sizes and outputs to operate seamlessly together.

The two-genset system is possible due to the addition of an electrical cabinet containing a parallel module, which houses the connection of the generators' power output cables and controls the synchronisation and switching.

The parallel power solution is ideal for vessels that need a larger generator to cover the main loads for normal running during the day at peak times, while also operating a smaller set for the evening or night-time when power demands are lower. Improving comfort onboard, the advantage of the second smaller generator results in reduced operating sound and fuel consumption.

Installing two connecting generators is also relevant for yacht owners who require a redundant power system, ensuring they can switch the power supply from one generator to the other without interrupting the system's power supply during maintenance schedules. Commercial vessels can benefit from the parallel operation of two generators to form a backup power system, with one generator always available in reserve. The use of a single smaller generator may also reduce the use of load banks required to prevent light load operation on a larger unit.

It is generally easier to meet exhaust emission standards, such as those on inland waterways or in the USA, by using two generators with a lower output compared to one generator with a high performance.

Fischer Panda UK's Sales and Marketing Director, Chris Fower, said: "For larger yachts and vessels that have traditionally been fitted with two or more over-sized independent generators, a parallel generator solution is a much more efficient and environmentally-friendly way to meet the fluctuating use of the generator system. For example, a superyacht could install a 20kVA generator and an 8kVA generator to cover full loads during the day and quiet night-time.

"The new parallel option using the very reliable and high performing Fischer Panda fixed speed models is the latest example of how the company is continually progressing the existing range to improve the user experience. The xSeries generators are particularly suitable for commercial applications, while leisure yacht owners may prefer to benefit from the advanced electronics of our variable speed generators for a very cost-effective and efficient parallel solution."

The small, lightweight and quiet Fischer Panda xSeries are available with

3000rpm fixed speed from 6.8kVA to 30kVA. Larger output generators are available from the 1500rpm HD fixed speed range.

Fischer Panda already offers parallel connection with its variable speed iSeries generators, with sets supplied on request with parallel capability, ready to work seamlessly together and load share on demand with simple installation and no heavy-duty cabling. The variable speed solution is recommended for owners who require three generators to be connected in parallel.

For more information about Fischer Panda UK's range of products, visit [www.fischerpanda.co.uk](http://www.fischerpanda.co.uk).

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## **About Fischer Panda UK**

Fischer Panda UK Ltd offers full-system design capability, servicing and aftercare as a leading distributor of diesel generators and a major supplier of the latest technology in air-conditioning systems, hybrid electric propulsion systems, integrated mobile power solutions and water makers for a variety of commercial and leisure vessels.

Renowned worldwide as innovative, reliable and extremely quiet, the extensive Fischer Panda range of compact diesel generators includes its next generation highly efficient and powerful variable speed iSeries-Generators. Fischer Panda generators from the Panda 4000s Neo up to the next generation iSeries Panda 45i genset have passed type approval by members of the IACS (International Association of Classification Societies) board. In 2020, Fischer Panda announced that its latest generators are now officially NMEA 2000 certified.

Other world-class products from Fischer Panda UK include desalination systems from Sea Recovery, HRO, and Village Marine, with models suitable for day-boats to warships and offshore platforms, plus air-conditioning systems from leading marine HVAC supplier Dometic, CZone digital switching and Mastervolt power solutions.

Fischer Panda UK is ISO UKAS 9000/1 accredited and operates from a purpose built 9,000 sq. ft facility in Verwood, Dorset. Its experienced engineers, sales and operational staff work with OEMs to develop integrated systems for custom vessels and offer specialist technical support and on-going aftercare to its customers.

Also active in the military and automotive sectors, the company works with UK MOD and other armies around the world providing solutions for specialist vehicle and land-based applications. Two thirds of Formula 1 mobile truck units install Fischer Panda generators, as do the BBC, Sky and many other mobile broadcasting vehicles.

Operating since 1977, Fischer Panda GmbH is headquartered in Paderborn,

Germany. The Fischer Panda team covers more than 500 technicians and partners in over 90 countries worldwide.