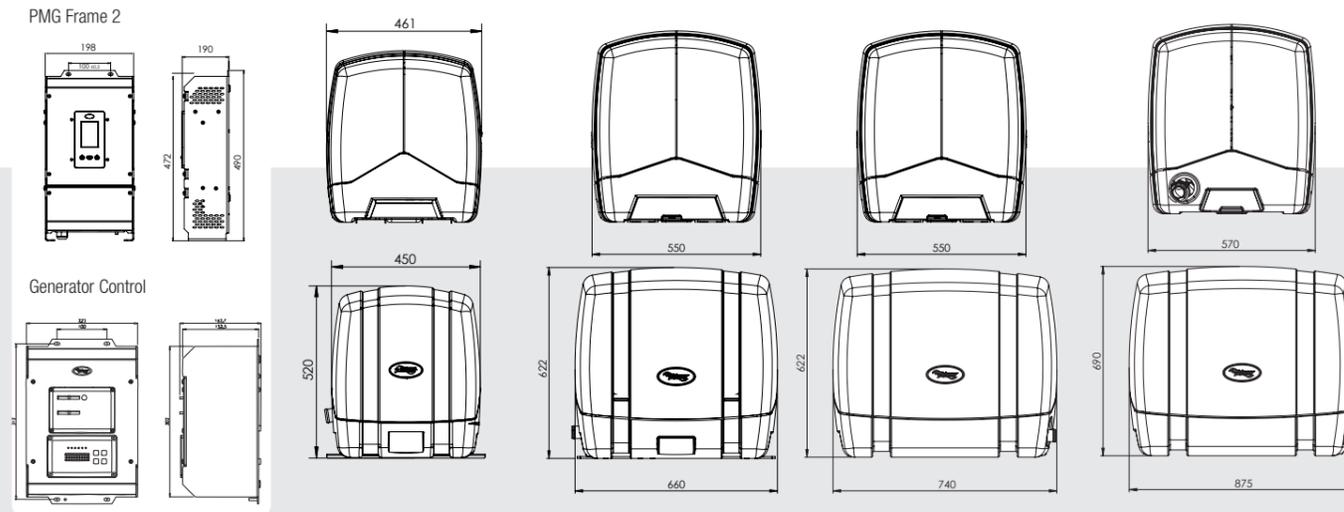


The Range



	PICCOLO TWIN 5+5		PICCOLO TWIN 8+8		PICCOLO TWIN 10+10		PICCOLO TWIN 15+15	
	49003080		49005080		49009080		49007080	
MAIN SPECIFICATIONS	Single mode	Twin mode						
Output power (Max)	4.4 kVA	8.8 kVA	8 kVA	16 kVA	10 kVA	20 kVA	15 kVA	30 kVA
Intermittent Power	3.5 kW	7 kW	6.4 kW	12.8 kW	8.5 kW	17 kW	12.5 kW	25 kW
Continuous Power	3 kW	6 kW	6 kW	12 kW	8 kW	16 kW	12 kW	24 kW
Noise level	54 dB(A) at 7 m, 65 dB(A) at 1 m		51 dB(A) at 7 m, 60 dB(A) at 1 m		51 dB(A) at 7 m, 60 dB(A) at 1 m		54 dB(A) at 7 m, 65 dB(A) at 1 m	
Rpm range	2400 .. 3600 rpm adjustable		2200 .. 2800 rpm, adjustable		2200 .. 2800 rpm, adjustable		2200 .. 3600 rpm, adjustable	
Generator	Permanent Magnet Alternator (PMA)							
Generator Control	DDC (2x)		DDC (2x)		DDC (2x)		DDC (2x)	
Inverter Module	WP-PMG frame 2 (2x)		WP-PMG frame 2 (2x)		WP-PMG frame 2 (2x)		WP-PMG frame 3 (2x)	
Twin Power Communication Cable	max 3 meters							
Nominal voltage / frequency	230 V - 50/60 Hz							
Peak power 2 s	200%		200%		200%		200%	
Harmonic distortion	< 5%		< 3%		< 3%		< 3%	
Frequency tolerance	± 0.1%		± 0.1%		± 0.1%		± 0.1%	
DIESEL ENGINE SPECIFICATIONS	WhisperPower WP1		Kubota Z482		Kubota D722		Kubota D1105	
Engine	309 cc (one cylinder)		479 cc (two cylinder)		719 cc (three cylinder)		1.123 cc (three cylinder)	
Cylinder volume	78 x 76 mm		67 x 68 mm		67 x 68 mm		78 x 78.4 mm	
Bore & stroke	< 0.42 m³/min (per unit)		< 0.95 m³/min (per unit)		< 1.22 m³/min (per unit)		< 1.43 m³/min (per unit)	
Air consumption	indirect		indirect (keel cooling closed)		indirect (keel cooling closed)		indirect (keel cooling closed)	
Cooling system	0.8-1.2 l/hr (per unit)		1.2-2.5 l/hr (per unit)		1.2-3 l/hr (per unit)		1.5-4 l/hr (per unit)	
Fuel consumption (no load - full load)	charger 12 V/7A		alternator 12 V/12.5 A		alternator 12 V/12.5 A		alternator 12 V/12.5 A	
Starter battery charge current	DIMENSIONS & WEIGHT							
	450 x 461 x 520 mm /each		660 x 550 x 622 mm /each		740 x 550 x 622 mm /each		875 x 570 x 690 mm /each	
Length x width x height (cabinet)	490 x 198 x 190 mm /each		490 x 198 x 190 mm /each		490 x 198 x 190 mm /each		542 x 385 x 255 mm /each	
Length x width x depth (PMG)	58 kg + 9.9 kg /each		155 kg + 9.9 kg /each		175 kg + 9.9 kg /each		210 kg + 22.25 kg /each	
Dry weight (cabinet + PMG)	Ø 1 inch BSP / Ø 40 mm		Ø 1 inch BSP / Ø 40 mm		Ø 1 inch BSP / Ø 40 mm		Ø 1 inch BSP / Ø 40 mm	
Dry exhaust / wet exhaust	service side		top and side		top and side		top and side	
Oil dipstick	25° in all directions							
Max. operating angle	CONTROL PANEL							
	start / stop panel (2x)		start / stop panel (2x)		start / stop panel (2x)		start / stop panel (2x)	
Standard	2 nd start/stop panel, Touch panel							
Optional								

* Our Piccolo 5 is a new model, fitted with a more powerful PMG inverter, capable to deliver a very high peakpower without distortion of the sine wave and disturbance of the frequency. Ideal to operate A/C units of various brands. The Webasto Blue Cool S10 (10.000 BTU) and S16 (16.000 BTU) for example can be started and operated at the same time.



WhisperPower Marine Diesel Generators

Twin-Power

Variable Speed Generators for parallel use



- Super compact and silent power solutions for yachts and commercial craft
- Up to 30 kVA in twin configuration (Stage V and EPA / Tier 4 compatible)
- High class sine wave output power
- Glass bridge connectible/ (Garmin, Simrad, Raymarine) by WhisperConnect (NMEA 2000)



Generating Confidence

Sales outlets in more than 50 countries
www.whisperpower.com

WhisperPower sales outlet:

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 Tel: +31 (0) 512 571 550 • Fax: +31 (0) 512 571 599
 sales@whisperpower.com • www.whisperpower.com

whisperpower.com

Twin- Diesel Genverter Power from WhisperPower

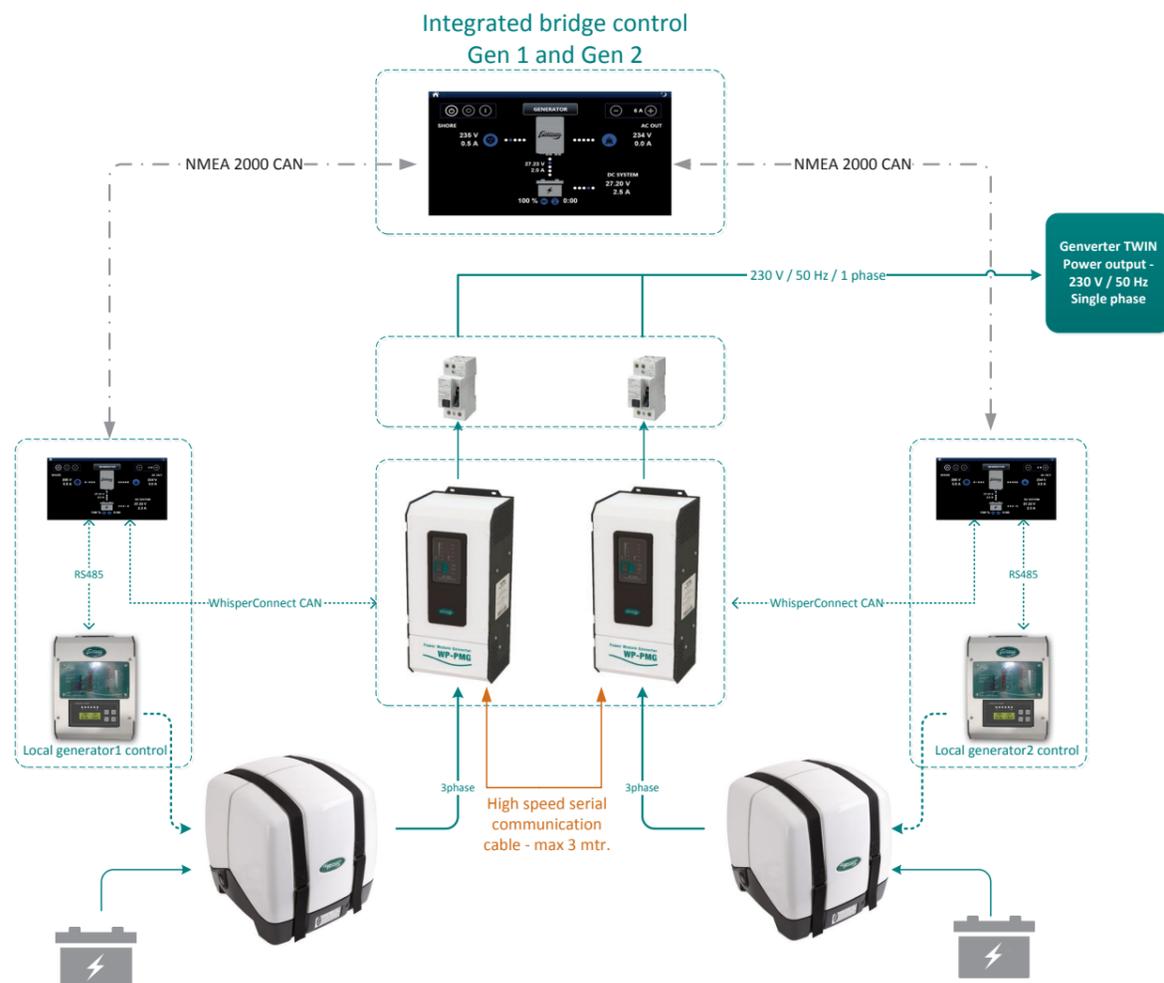
Double the power, reduce fuel and maintenance costs

WhisperPower, leading power solutions company based in the Netherlands, has introduced a complete range of compact, adjustable speed single phase AC diesel generators based on inverter technology, with Twin-Power technology. The upgraded Genverter range can now be delivered with parallel connectivity which is adding just a fraction to the price but offering huge advantages.

Cost saving and redundant

This Twin-Power concept is offering at least 25% of fuel saving compared with traditional 1500/1800 Rpm generators, as the units will follow the required AC power consumption pattern (low mode, high mode).

Traditional power generator systems are in general oversized in order to be able to deliver the peak of power consumption which in general has a short duration. By installing two Genverter generators in parallel, one unit can be switched off during low power consumption



Single mode: One Generator running



Dual mode: Two Generators running

periods. Very important advantage of the power solution is the redundancy of power sources offered by this solution.

Easy to install & configure

Our Twin-Power® solution allows you to parallel two WhisperPower Genverter generators with a single high speed communication wire. No extra boxes with oversized switch gear are needed, or other costly add-ons. Just install two generators instead of one traditional product and connect the PMG inverters plus the AC outputs to double the AC Power.

Some more about running generators in parallel

As said, paralleling our Genverter generators can be done simply by connecting two Genverters of the same size together to provide two times the nominal power but also two times the peak power.

There are several reasons why boat owners should not “just buy a larger generator.” The most common problem of oversized generators is the negative effect on the diesel engine which starts to pollute, smoke, delivers soot and in the end will show glazing effect of the cylinders.

Apart from the fact our Genverter generators are more fuel efficient and significantly quieter than a comparable sized 1500/1800 rpm generator, they run at the right RPM at any time and can operate even in eco mode.



Important system benefits

Traditional fixed speed generators are chosen in general in oversize, based on the peak load power requirements. This often means they are oversized for their normal operation running load. With the Twin-Power solution, the AC appliances are powered by one or two engines. As a result of our Genverter variable speed inverter technology, the engines are running in their most fuel efficient operation area which results in the following benefits:

- 1 Double the power, if needed, for example day time (high A/C consumption)
- 2 Reduce the power during the night, switch back to one running engine
- 3 Optimized voltage & frequency stabilization ensures excellent power quality
- 4 Optimized noise level and vibration level is guaranteed
- 5 Engines are running cleaner with less fuel consumption
- 6 Compact Genverter technology offering substantial space saving
- 7 New emission level Stage V compliant also in higher kVA range (30kVA/24kW)
- 8 Redundancy, always one power source for spare

