

# Genverter<sup>®</sup> Piccolo Power Generation



Adjustable Speed Marine Diesel Generators 4 | 6 | 8 | 10 | 12 | 15 | 18

Powering  
Your  
Comfort



Enjoy Green Energy



[whisperpower.com](http://whisperpower.com)



# Genverter® Piccolo

## Silent, Compact, Light-weight and Extremely Powerful

We apply advanced technology as used in e-mobility and renewable energy markets, resulting in the highest efficiency, lowest exhaust emissions and superior electrical output quality in terms of voltage, frequency and peak power behaviour. Our Variable Speed Technology allows to vary operating speed of the engine to match the connected electrical load, so no energy is wasted.

### Perfect power for your airconditioning (and more)

All Genverter Piccolo models are supplied with an external inverter "box", so no electronic devices are mounted close to the engine. Our PMG inverter should be mounted in a dry and cool area. Independent of the rotating speed of the Permanent Magnet based alternator, the genverter's PMG delivers the correct power quality for comfort equipment, such as washing machines, air-conditioning, electrical cooking devices and various other AC powered equipment. Sensitive appliances work perfect and are not harmed by a poor power supply.

### The perfect fit

- Extremely compact and light weight
- Virtually vibration free
- Indirect water cooling (sea or fresh), stow away principle
- Lowest noise level (from 50 dBA)
- Pure sine wave output 120 V 60 Hz (or 230 VAC, 50 Hz)
- Eight models 4, 6, 8, 10, 12, 15 and 18 kVA
- All necessary first class installation parts available
- Easy to install – all engine connections pre-fabricated.



Functional PMG start/stop panel with LED indicators delivered as standard with piccolo 4.



5 or 7 inch Touch panel, optional. Art. Nr. 40280105



"With its excellent advice, fast delivery and easy installation, WhisperPower convinced us to buy the Piccolo. This small, quiet Genverter is an excellent fit for our customers' needs."

Uli & Nils Schürg, Blue Yachting



Allures 39.9 Copyright: Nils Schürg



### Unique engine

The small Piccolo 4/5 models are fitted with modern diesel engines, entirely for the purpose of generating power the smooth way. The oil is cooled by a heat exchanger designed for indirect watercooling, the circulation water pump is driven by a PTO (no belt). Our Piccolo 6, 8, 10, 12, 15 and 18 kVA models are all-water cooled, back-end and diesel, in one circuit.



### Perfect power

WhisperPower's PMG inverter incorporates two main functions: this robust, electronic device converts the generated power (input) into a pure sine wave with fixed Hz (output). The rotating speed is programmable from 2000 to 2800 rpm, select the rotating speed for the needed power. The PMG power inverter is also the power management device, offering full read-out via WhisperConnect to the Touch panel. Voltage and frequencies can be selected.



### Any space will do

All our Piccolo models are extremely compact and can be installed in the smallest location. Only minor air ventilation is needed. At picture an installation of a Piccolo 4 in a day cruiser.

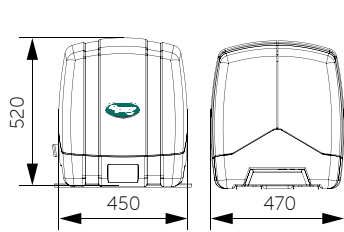
	<b>Piccolo 4 - 120 VAC - 60 Hz</b>	<b>Piccolo 6 - 120 VAC - 60 Hz *)</b>	<b>Piccolo 8 - 120 VAC / 60 Hz</b>	<b>Piccolo 10 - 120 VAC / 60 Hz</b>	<b>Piccolo 12 - 120 VAC / 60 Hz</b>	<b>Piccolo 15 - 120 VAC / 60 Hz</b>	<b>Piccolo 18 - 120 VAC / 60 Hz</b>
	49002055 - Adjustable rpm 49002056 - Ungrounded 49012055 - Variable speed 49012056 - Variable speed / Ungrounded	49004055 - Adjustable rpm	49005055 - Adjustable rpm	49009055 - Adjustable rpm	49006155 - Adjustable rpm	49007055 - Adjustable rpm	49008055 - Adjustable rpm
MAIN SPECIFICATIONS							
Intermittent Power kW at 25°C (77°F)	3.5 kW	6 kW	6 kW	8.5 kW	9.6 kW	12.5 kW	15 kW
Continuous Power kVA at 25°C (77°F)	3.5 kVA	6 kVA	6 kVA	10 kVA	10 kVA	15 kVA	18 kVA
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	51 dB(A) at 7 m, 60 dB(A) at 1 m	54 dB(A) at 7 m, 65 dB(A) at 1 m	54 dB(A) at 7 m, 65 dB(A) at 1 m	54 dB(A) at 7 m, 65 dB(A) at 1 m
Rpm range	2400 - 3600 rpm, adjustable	2400 .. 2800 rpm, adjustable	2400 .. 2800 rpm, adjustable	2400 .. 2800 rpm, adjustable	2200 .. 3000 rpm, adjustable	2200 .. 3000 rpm, adjustable	2200 .. 2400 rpm, adjustable
Alternator technology	Permanent Magnet	Permanent Magnet	Permanent Magnet	Permanent Magnet	Permanent Magnet	Permanent Magnet	Permanent Magnet
Generator cooling	Air cooled	Indirect liquid cooling	Indirect liquid cooling	Indirect liquid cooling	Indirect liquid cooling	Indirect liquid cooling	Indirect liquid cooling
Generator control	PMG	PMG	DDC	DDC	DDC	DDC	DDC
Control Panel	PMG + PMG Remote	PMG + PMG Remote	DDC Local + DDC Remote	DDC Local + DDC Remote	DDC Local + DDC Remote	DDC Local + DDC Remote	DDC Local + DDC Remote
Inverter Module	WP-PMG frame 1 Plus	WP-PMG frame 2	WP-PMG frame 2	WP-PMG frame 3	WP-PMG frame 3	WP-PMG frame 3	WP-PMG frame 3
Nominal voltage / frequency	120 VAC, 50 / 60 Hz	120 VAC, 50 / 60 Hz	120 VAC, 50 / 60 Hz	120 VAC, 50 / 60 Hz	120 VAC, 50 / 60 Hz	120 VAC, 50 / 60 Hz	120 VAC, 50 / 60 Hz
Phase/wire	1 phase, 3 wires	1 phase, 3 wires	1 phase, 3 wires	split phase, 4 wires	split phase, 4 wires	split phase, 4 wires	3 wires or split phase, 4 wires
Peak power 2 s	200%	200%	200%	200%	200%	200%	200%
Harmonic distortion	< 5%	< 5%	< 3%	< 3%	< 3%	< 3%	< 3%
Frequency tolerance	± 0,1%	± 0,1%	± 0.1%	± 0.1%	± 0.1%	± 0.1%	± 0.1%
DIESEL ENGINE SPECIFICATIONS							
Engine	WhisperPower WP1	WhisperPower Kubota Z482-E4B	WhisperPower Kubota Z482	WhisperPower Kubota D722	WhisperPower Kubota D722	WhisperPower Kubota D1105	WhisperPower Kubota V1505
Displacement	309 cc (1 cylinder)	479 cc (2 cylinders)	479 cc (2 cylinders)	719 cc (3 cylinders)	719 cc (3 cylinders)	1123 cc (3 cylinders)	1489 cc (4 cylinders)
Bore & stroke	78 x 67 mm	67 x 68 mm	67 x 68 mm	67 x 68 mm	67 x 68 mm	78 x 78.4 mm	78 x 78.4 mm
Cooling system	Heat exchanger	Heat exchanger	Heat exchanger	Heat exchanger	Heat exchanger	Heat exchanger	Heat exchanger
Fuel consumption (no load - full load)	0.8-1.2 l/hr	0.8-1.2 l/hr	1.7-2.5 l/hr	2.6-3.8 l/hr	2.6-4.75 l/hr	4.2-5.6 l/hr	4.2-5.6 l/hr
Starter battery charge method/ current	Handy charger 12 V/7A	Handy charger 12 V/7A	Alternator 12 V/12.5 A	Alternator 12 V/12.5 A	Alternator 12 V/12.5 A	Alternator 12 V/90 A	Alternator 12 V/90 A
DIMENSIONS & WEIGHT							
Length x width x height (cabinet)	450 x 470 x 520 mm	520 x 470 x 541 mm	660 x 550 x 622 mm	740 x 550 x 622 mm	740 x 550 x 622 mm	875 x 570 x 690 mm	990 x 560 x 705 mm
Length x width x depth (PMG)	436 x 196 x 148 mm	436 x 196 x 148 mm	490 x 198 x 191 mm	568 x 347 x 198 mm	568 x 347 x 198 mm	568 x 347 x 198 mm	568 x 347 x 198 mm
Dry weight (cabinet + PMG)	149lbs + 16lbs	319lbs + 21lbs	341lbs + 21lbs	385lbs + 44lbs	385lbs + 44lbs	462lbs + 44lbs	507lbs + 44lbs
Exhaust type	Ø 40 mm, wet	Ø 40 mm, wet	Ø 40 mm, wet	Ø 40 mm, wet	Ø 40 mm, wet	Ø 40 mm, wet	Ø 40 mm, wet
Max. operating angle	25° in all directions	25° in all directions	25° in all directions	25° in all directions	25° in all directions	25° in all directions	25° in all directions
OPTIONAL							
	Touch panel, PEK (Piccolo extension kit)	Touch panel, PEK	2 <sup>nd</sup> start/stop panel, Touch panel 7"	2 <sup>nd</sup> start/stop panel, Touch panel 7"	2 <sup>nd</sup> start/stop panel, Touch panel 7"	2 <sup>nd</sup> start/stop panel, Touch panel 7"	2 <sup>nd</sup> start/stop panel, Touch panel 7"
	Ungrounded/ ignition protection	Ungrounded/ ignition protection	Ungrounded/ ignition protection	Ungrounded/ ignition protection	Ungrounded/ ignition protection	Ungrounded/ ignition protection	Ungrounded/ ignition protection
			Keel Cooling	Keel Cooling	Keel Cooling	Keel Cooling	Keel Cooling
*) Preliminary specifications							



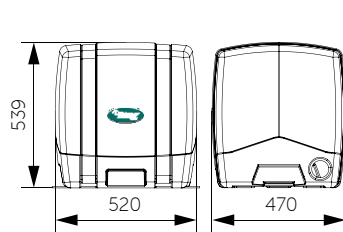
WhisperPower's main manufacturing facility is located in Drachten (Friesland), the Netherlands. Our entire operation and processes conform to ISO 9001-2008 standards.

A significant number of our WhisperPower diesel generators are also certified to various national standards, for example Chinese and Russian Maritime

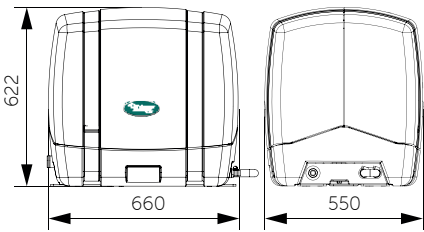
Type Approvals due to the strict investigative procedures and regulations for compliance such as audits that can be carried out by third party officials.



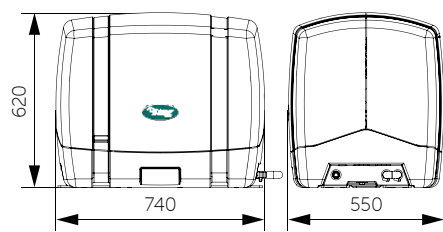
Piccolo 4/5



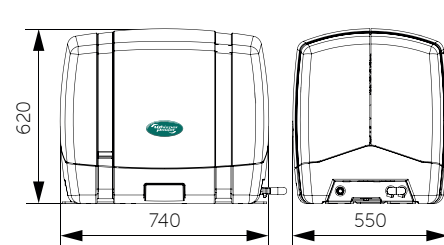
Piccolo 6



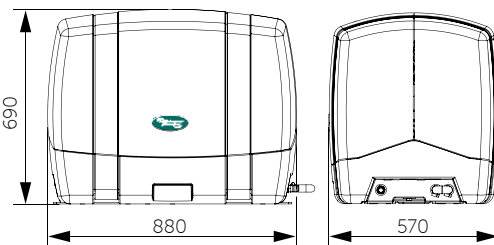
Piccolo 8



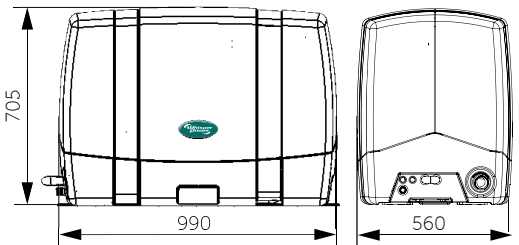
Piccolo 10/12



Piccolo 10/12



Piccolo 15



Piccolo 18



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