

Genverter[®] Piccolo Power Generation



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

Powering
Your
Comfort



Enjoy Green Energy



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



Up to date technology

- Highly efficient thanks to use of permanent magnet alternator technology
- Automatic speed settings on load sense (for 1 cylinder models)
- Manual speed settings for optimal rpm level (all models)
- PMG inverter fitted with high current IGBT's for high surge
- Tier 4/ EPA emission level (2/3 Cylinder models) as standard
- Optimal sound reduction by polyester sound shield.

Choose from AC or DC variations

- Standard versions for 120 V - 240 VAC, 60 Hz split phase or 230 V 50/60 Hz devices
- Version for charging the 24/48 VDC batteries by connecting to WhisperPower DC PowerCube.



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.

MAIN SPECIFICATIONS

Intermittent Power kW at 25°C
Continuous Power kVA at 25°C
Noise level
Rpm range
Alternator technology
Generator cooling
Generator control
Control Panel
Inverter Module
Nominal voltage / frequency
Phase/wire
Peak power 2 s
Harmonic distortion
Frequency tolerance

DIESEL ENGINE SPECIFICATIONS

Engine
Displacement
Bore & stroke
Cooling system
Fuel consumption (no load - 1 h)
Starter battery charge method

DIMENSIONS & WEIGHT
Length x width x height (cab.)
Length x width x depth (PMG)
Dry weight (cabinet + PMG)
Exhaust type mm (in.)
Max. operating angle

OPTIONAL

*) Preliminary specifications

STAGE
certified

WhisperPower facility is located in the Netherlands and produces ISO 9001 certified products. A significant example of this is the WhisperPower Type App, an investigative tool for compliance carried out










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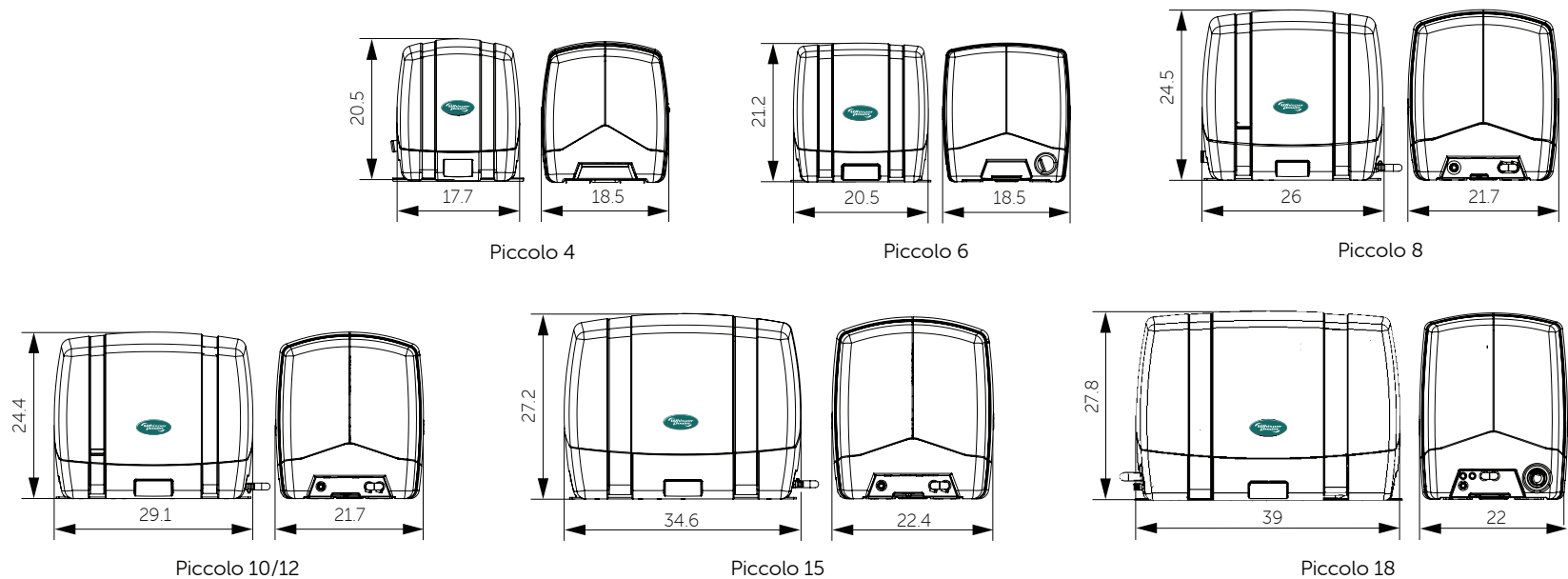
"With its excellent advice, fast delivery and easy installation, WhisperPower convinced us to buy the Piccolo. This small, quiet Genverter is an excellent fit for our customers' needs."

Uli & Nils Schürg, Blue Yachting

							
	Piccolo 4 120 VAC 60 Hz	Piccolo 6 120 VAC 60 Hz *)	Piccolo 8 120 VAC 60 Hz	Piccolo 10 120/240 VAC 60 Hz	Piccolo 12 120/240 VAC 60 Hz	Piccolo 15 120/240 VAC 60 Hz	Piccolo 18 120/240 VAC 60 Hz
	49002055 - Adjustable rpm 49002056 - Ungrounded 49012055 - Variable speed 49012056 - Variable speed / Ungrounded	49004055 - Adjustable rpm 49004056 - Ungrounded	49005055 - Adjustable rpm 49005056 - Ungrounded	49009055 - Adjustable rpm 49009056 - Ungrounded	49006155 - Adjustable rpm 49006156 - Ungrounded	49007055 - Adjustable rpm 49007056 - Ungrounded	49008055 - Adjustable rpm 49008056 - Ungrounded
°C (77°F)	3.5 kW	6 kW	6 kW	8.5 kW	9.6 kW	12.5 kW	15 kW
°C (77°F)	3.5 kVA	6 kVA	6 kVA	10 kVA	10 kVA	15 kVA	18 kVA
	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
	2800 - 3600 rpm, adjustable	2400 .. 3000 rpm, adjustable	2400 .. 2800 rpm, adjustable	2400 .. 2800 rpm, adjustable	2400 .. 3600 rpm, adjustable	2200 .. 3200 rpm, adjustable	2000 .. 2600 rpm, adjustable
	Permanent Magnet	Permanent Magnet	Permanent Magnet	Permanent Magnet	Permanent Magnet	Permanent Magnet	Permanent Magnet
	Air cooled	Indirect liquid cooling	Indirect liquid cooling	Indirect liquid cooling	Indirect liquid cooling	Indirect liquid cooling	Indirect liquid cooling
	PMG	PMG	DDC	DDC	DDC	DDC	DDC
	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
	PMG frame 1	PMG frame 2	PMG frame 2	PMG frame 3 split phase	PMG frame 3 split phase	PMG frame 3 split phase	PMG frame 3 split phase
	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
	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
	200%	200%	200%	200%	200%	200%	200%
	< 5%	< 5%	< 3%	< 3%	< 3%	< 3%	< 3%
	± 0,1%	± 0,1%	± 0.1%	± 0.1%	± 0.1%	± 0.1%	± 0.1%
ATIONS							
	WhisperPower WP1	WhisperPower Kubota Z482-E4B	WhisperPower Kubota Z482	WhisperPower Kubota D722	WhisperPower Kubota D722	WhisperPower Kubota D1105	WhisperPower Kubota V1505
	309 cc (1 cylinder)	479 cc (2 cylinders)	479 cc (2 cylinders)	719 cc (3 cylinders)	719 cc (3 cylinders)	1.123 cc (3 cylinders)	1.489 cc (4 cylinders)
	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
	Heat exchanger	Heat exchanger	Heat exchanger	Heat exchanger	Heat exchanger	Heat exchanger	Heat exchanger
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
od/ 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
binet) (in.)	17.7 x 18.5 x 20.5	20.5 x 18.5 x 21.2	26 x 21.7 x 24.5	29.1 x 21.7 x 24.4	29.1 x 21.7 x 24.4	34.6 x 22.4 x 27.2	39 x 22 x 27.8
G) (in.)	17.2 x 8.1 x 5.9	19.3 x 7.8 x 7.5	19.3 x 7.8 x 7.5	22.3 x 13.7 x 8.3	22.3 x 13.7 x 8.3	22.3 x 13.7 x 8.3	22.3 x 13.7 x 8.3
	149lb + 16lb	319lb + 21lb	341lb + 21lb	385lb + 66lb	385lb + 66lb	463lb + 66lb	507lb + 66lb
	Ø 40 mm, wet (1.6)	Ø 40 mm, wet (1.6)	Ø 40 mm, wet (1.6)	Ø 40 mm, wet (1.6)	Ø 40 mm, wet (1.6)	Ø 40 mm, wet (1.6)	Ø 40 mm, wet (1.6)
	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
	Touch panel, PEK (Piccollo extension kit)	Touch panel, PEK	2 nd start/stop panel, Touch panel 7"	2 nd start/stop panel, Touch panel 7"	2 nd start/stop panel, Touch panel 7"	2 nd start/stop panel, Touch panel 7"	2 nd 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




 ver's main manufacturing
 ted in Drachten (Friesland),
 ands. Our entire operation
 rocesses conform to
 001-2008 standards.
 fificant number of our
 er diesel generators are also
 rious national standards, for
 nese and Russian Maritime
 rovals due to the strict
 rocedures and regulations
 ce such as audits that can be
 ut by third party officials.



Sales outlets in more than 50 countries