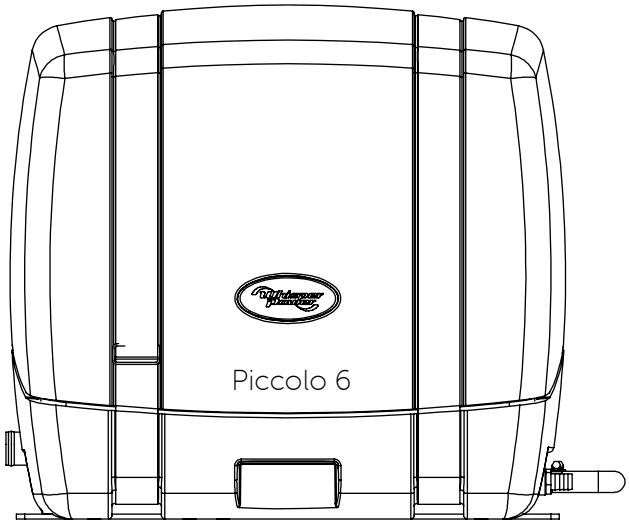
Variable Speed Diesel Generators

Piccolo 6 Stage V / Tier 4

Marine Genverter Piccolo 6 | 230 V Single Phase 50 Hz



Generator Description

Art. No.	Art. Name	Art. Definition
49004005	Piccolo 6	6 kVA / 5,5 kW - 230 V single phase / 50 Hz Marine
49004006	Piccolo 6	6 kVA / 5,5 kW - 230 V single phase / 50 Hz Marine - Ungrounded

Ratings: Marine continuous ratings per ISO 3046, ISO 8528-1, guidelines for complete ratings definitions. Availability is subject to change without notice.

WhisperPower reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. Contact your local WhisperPower distributor for availability.

Engine Features

- Diesel fueled
- Emission certification Stage V / EPA tier 4
- Four stroke
- Indirect cooling system
- Marine heat exchanger and exhaust manifold
- Electric fuel lift pump

Generator Features

- High efficient watercooled
- Permanent magnet alternator
- Inverter voltage regulation
- Class H insulation
- Adjustable Variable speed

Benefits

- Silent, lowest audible noise
- Easy to install, plug and play connections

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Variable Speed Diesel Generators

Piccolo 6 Stage V / Tier 4

Application Data 1 | 230 V Single Phase 50 Hz

Genverter Model	Piccolo 6 | 230V / 50 Hz	Piccolo 6 | 230V / 50 Hz Ungrounded
Article number	49004005	49004006
Genverter specifications		
Intermittent power @Cosθ0.8	6 kVA	6 kVA
Intermittent power	6 kW	6 kW
Continuous power @Cosθ0.8	6 kVA	6 kVA
Continuous power	5 kW	5 kW
Nominal output voltage	230 VAC	230 VAC
Output voltage tolerance	+/- 5%	+/- 5%
Nominal output frequency	50 Hz	50 Hz
Output frequency tolerance	<1%	<1%
Output current	26 A	26 A
Wiring configuration	1 phase, 3 wire	1 phase, 3 wire
Peak power 200msec	200%	200%
Battery voltage	12 VDC	12 VDC
Minimum starter battery recommended	55 Ah (40290060)	55 Ah (40290060)
Typical RPM	2600 - 2900 RPM	2600 - 2900 RPM
Typical RPM at no load	2900 RPM	2900 RPM
Exhaust	Wet, ø40 mm	Wet, ø40 mm
Minimum raw water flow rate	15 - 20 L/min	15 - 20 L/min
Sound level @ 7m	51 dB	51 dB
Sound level @ 1m	60 dB	60 dB
Genverter lubrication		
Lubrication oil capacity with filter	1,5 ltr. / 0,33 gal.	1,5 ltr. / 0,33 gal.
Genverter cooling		
Cooling liquid capacity	1,4 ltr / 0,37 gal.	1,4 ltr / 0,37 gal.
Engine cooling	Closed loop water cooling with heat exchanger	
Generator backend cooling	Closed loop water cooling with heat exchanger and forced air cooled	
Regulations and directives		
CE conformity	Yes	Yes
EMC directive	EMC 2004/108/EC	EMC 2004/108/EC
Emission	EN 55022 (Class A/B household/light industrial use)	
Harmonics	EN 61000-3-2 (<16 A, Class A)	EN 61000-3-2 (<16 A, Class A)
Dips, variations, flicker	EN 61000-4-11, EN6100-3-3 (designed to meet)	
Immunity	EN 61000-6-2, marine suitable or better	
Safety	EN 60950 Safety of information technology equipment EN 60335-1 Safety of household and similar electrical appliances, Part 1 EN 60335-2-29 Household and similar electrical appliances –Safety - Particular requirements for battery chargers	
Vibration and shock levels (designed to meet)	EN 68-2-6, 5-50 Hz velocity, max. 20mm amplitude, suitable for marine and mobile high vibration environments	
E-marking (designed to meet)	Automotive EMC 2004/104/EC	
EN (designed to meet)	EN 60945	EN 60945
ABYC (designed to meet)	NA	NA
UL or CSA (designed to meet)	UL 458	UL 458
Ignition protected	NA	NA
Engine Regulation	EU Stage V / EPA Tier 4 / China 4	

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Variable Speed Diesel Generators

Piccolo 6 Stage V / Tier 4

Application Data 2 | 230 V Single Phase 50 Hz

Mechanical specifications	Piccolo 6 | 230V / 50 Hz	Piccolo 6 | 230V / 50 Hz Ungrounded
Article number	49004005	49004006
Weight wet	120 kg, 264,5 lb	
Weight dry	113 kg, 249,2 lb	
Length	530 mm, 20,8 in.	
Width	500 mm, 19,68 in.	
Height	545 mm, 21,45 in.	
Engine Specifications		
Type	Kubota Z482-E4B-WPP-2 (compact)	
Cylinder quantity	2	
Displacement	0,479L (29,23 ci.)	
Engine performance intermittent SAE J1995	8,3 kW/3000 RPM, @ 25 °C	
Engine performance continuous SAE J1995	6,8 kW / 3000 RPM, @ 25 °C	
Governor, type	Mechanical (±5%)	
Max angular operation continuous	20^0	
Air consumption	< 0,95 m3/min (33,55 ft3/min)	
Fuel oil specifications	Diesel fuel oil (ASTM no. 2-D) HVO Bio diesel EN15940	
Fuel consumption @ full load	275 g/kWh	
Max, air intake restriction	33,25 kPa	
Generator backend		
Type	Permanent magnet	
Output voltage range	290 - 395 V	
Output frequency range	335 - 375 Hz	
Rated output current	3x 12 A	
Wiring configuration	3 phase, 3 wire, star	
Insulation class	H	
Engine monitoring and control		
Engine controller	PMG with integrated ECU	
Protections	Oil pressure / Exhaust temperature / Coolant temperature	
Control panel	OctoView 3	
PMG inverter specifications		
PMG type	Frame 1	
PMG dimensions (W x D x H)	207 x 151 x 436 mm	
PMG weight	7,6 kg	
Additional electrical equipment	NA	
Internal circuit breaker	NA	
Generator connections		
Exhaust	ø40 hose connection	
Raw water in/out	Hose barb ø20mm	
Raw water syphon	Hose barb ø20mm	
Fuel line in/out	Fuel hose 8mm, 25cm length outside generator	
Coolant expansion tank	Internal	
Battery cables positive/negative	$16mm^2$, 300cm length outside generator	
AC cable backend to PMG	4 x $4mm^2$, 300cm outside generator	
Engine control cable loom	Multicore cable (OD 11mm), 300cm outside generator	

Application Data 3 | 230 V Single Phase 50 Hz

Optional accessories	Piccolo 6 | 230V / 50 Hz	Piccolo 6 | 230V / 50 Hz Ungrounded
Article number	49004005	49004006
Crankcase heater	Not available	
Fire port	Available	
Fuel lift pump (kit)	Available	
Spare part kit	Available	
Exhaust kit	Available	
Radiator kit	Not available	

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Variable Speed Diesel Generators

Piccolo Marine Stage V / Tier 4

Drawing 1 - Piccolo 6 | 230 V Single Phase 50 Hz

