

The ideal AC Power generator



Our diesel generators act as an in-vehicle power plant and ensure complete independency from the grid. For power demands exceeding 5 kW we offer two different product versions. In this Datasheet you will find all the information you need to find the best power solution for a power rating of up to 15 kVA, all of which are based on our innovative Genverter technology. The Genverter range replaces our 3000/3600 rpm models which we have supplied to the market for many years.

W-GV8

Genverter® AC series
41005030 GV 8 Mobile, dry exhaust

MAIN SPECIFICATIONS

Continuous power	6 kW / 8 kVA
Noise level	54dB(A) at 7m, 65dB(A) at 1m
Rpm range	2200 .. 2800rpm, adjustable
Generator	Permanent Magnet Alternator (PMA)
Inverters Module	WP-PMG frame 2
Nominal voltage / frequency	230 V - 50 Hz, adjustable to 60 Hz
Peak power 2 s	200%
Harmonic distortion	< 3%
Frequency tolerance	± 0.1%

DIESEL ENGINE SPECIFICATIONS

Engine	Kubota Z482 (Mitsubishi optional)
Cylinder volume	479 cc (two cylinder)
Bore & stroke	67 × 68 mm
Combustion airconsumption	< 0.95 m³/min
Cooling system	indirect radiator
Fuel consumption (no load - full load)	1.2-2.5 l/hr
Starter battery charge current	alternator 12 V - 12.5 A

DIMENSIONS & WEIGHT

Length × width × height (cabinet)	650 × 545 × 600 mm
Length × width × depth (PMG)	451 × 200 × 174 mm
Dry weight (cabinet + PMG)	154 kg + 9.9 kg
Dry exhaust / wet exhaust	Ø 1 inch BSP / Ø 40 mm
Oil cap position	top and side
Max. operating angle	25° in all directions

CONTROL PANEL

Standard (incl. 10 mtrs cable)	Basic start / stop panel performed as the DDC panel
Optional	2nd DDC panel, Touch panel

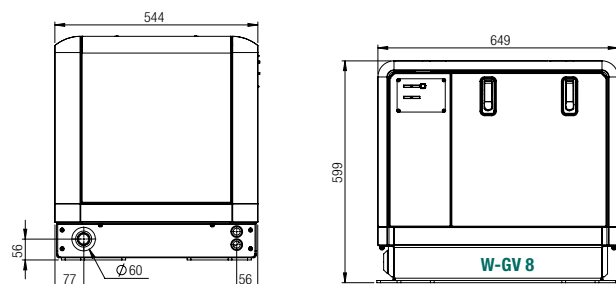
CABEL EXTENSION

60201471	GEK (Genverter extension kit)
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Complete installation of a Genverter 10 kVA, installed in a Mercedes Sprinter. The picture shows the DC PowerCube battery charger and the AC PowerCube 7 kVA inverter installed above the Genverter generator

Installation drawings



**10
kVA**

**12
kVA**

**15
kVA**

All 2 and 3 cylinder
units (Kubota based)
**US Emission
Certificate
Tier 4
EPA Compliant**



	W-GV10	W-GV12	W-GV15
	Genverter® AC series 41009020 GV 10 Mobile, dry exhaust	Genverter® AC series 41006020 GV 12 Mobile, dry exhaust	Genverter® AC series 41007020 GV 15 Mobile, dry exhaust
MAIN SPECIFICATIONS			
Continuous power	8 kW / 10 kVA	10 kW / 12 kVA	12 kW / 15 kVA
Noise level	54dB(A) at 7m, 65dB(A) at 1m	54dB(A) at 7m, 65dB(A) at 1m	54dB(A) at 7m, 65dB(A) at 1m
Rpm range	2200 .. 2800rpm, adjustable	2000 .. 2600rpm, adjustable	2000 .. 2600rpm, adjustable
Generator	Permanent Magnet Alternator (PMA)	Permanent Magnet Alternator (PMA)	Permanent Magnet Alternator (PMA)
Inverters Module	WP-PMG frame 2	WP-PMG frame 3	WP-PMG frame 3
Nominal voltage / frequency	230 V - 50 Hz, adjustable to 60 Hz	230 V - 50 Hz, adjustable to 60 Hz	230 V - 50 Hz, adjustable to 60 Hz
Peak power 2 s	200%	200%	200%
Harmonic distortion	< 3%	< 3%	< 3%
Frequency tolerance	± 0.1%	± 0.1%	± 0.1%
DIESEL ENGINE SPECIFICATIONS			
Engine	Kubota D722 (Mitsubishi optional)	Kubota D1105 (Mitsubishi optional)	Kubota D1105 (Mitsubishi optional)
Cylinder volume	719 cc (three cylinder)	1123 cc	1123 cc
Bore & stroke	67 × 68 mm	78 × 78,4 mm	78 × 78,4 mm
Combustion airconsumption	< 1.22 m³/min	< 1.43 m³/min	< 1.43 m³/min
Cooling system	indirect radiator	indirect radiator	indirect radiator
Fuel consumption (no load - full load)	1.2-3 l/hr	1.5-4 l/hr	1.5-4 l/hr
Starter battery charge current	alternator 12 V - 12.5 A	alternator 12 V - 40 A	alternator 12 V - 40 A
DIMENSIONS & WEIGHT			
Length × width × height (cabinet)	721 × 545 × 599 mm	822 × 563 mm × 660 mm	822 × 563 mm × 660 mm
Length × width × depth (PMG)	451 × 200 × 174 mm	552 × 220 × 174 mm	552 × 220 × 174 mm
Dry weight (cabinet + PMG)	171 kg + 9.9 kg	210 kg + 12 kg	210 kg + 12 kg
Dry exhaust / wet exhaust	Ø 1 inch BSP / Ø 40 mm	Ø 1 inch BSP / Ø 40 mm	Ø 1 inch BSP / Ø 40 mm
Oil cap position	top and side	top and side	top and side
Max. operating angle	25° in all directions	25° in all directions	25° in all directions
CONTROL PANEL			
Standard (incl. 10 mtrs cable)	Basic start/stop panel performed as the DDC panel	Basic start/stop panel performed as the DDC panel	Basic start/stop panel performed as the DDC panel
Optional	2 nd DDC panel, Touch panel	2 nd DDC panel, Touch panel	2 nd DDC panel, Touch panel
CABEL EXTENSION			
60201471	GEK (Genverter extension kit)		

Installation drawings

