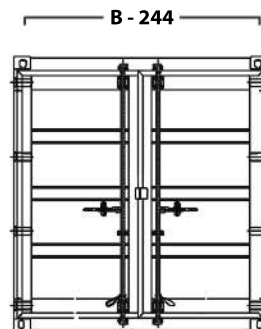
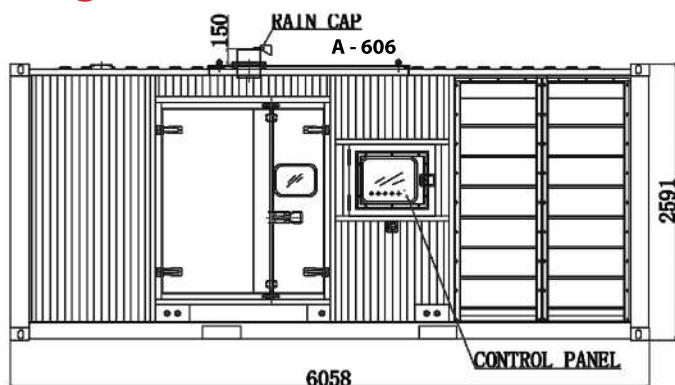


# GES K1000 KVA GENSET DATASHEET



## Weight and Dimensions



### GES K1000 KVA

	Close Type	Open Type
A - Length	605 cm	418 cm
B - Width	244 cm	209 cm
C - Height	260 cm	225 cm
Weight	12500 kg	7400 kg

## DESIGN FEATURES

- High quality, reliability and durability
- High output and low fuel consumption
- Light weight and compact design
- Low noise and low vibration
- Easy maintenance

## Rated Output

FREQUENCY	50 Hz (1500 rpm)	
Rating	Prime	Standby
Rated Output	kVA	1,000
	kW	800
Rated Voltage *	380/220V, 400/231V, 415/240V	

\* Rated Voltage : Line to Line / Line to Neutral

### Prime Power

Power available at variable load in lieu of main power network for unlimited number of hours per year. An overload of 10% permitted for one hour in every twelve hours of operation. Average of variable loads shall not exceed 70% of the prime rating. This rating is set in accordance with ISO 8528.

### Standby Power

Power available at a variable load in the event of a main power network failure up to a maximum of 500 hours per year. No overload is permitted. This rating is set in accordance with ISO 3046-1, DIN6271 and BS 5514.

### Proven Performance & Technology

GES series diesel generator sets, the combination of Komatsu engine and reliable alternator, are manufactured under strict quality control standards.

### Generator Control Panel

GES series generator sets have a compact and intelligent generator control module, which provides all the safety precautions and its window display both the AC and DC digital measurements.

### Disclaimer:

Due to our policy of continuous improvement all information on this data sheet are correct at the time of printing and may altered subsequently.

## ENGINE DETAILS

<b>MODEL</b>	Komatsu SAA12V140—P1150
<b>TYPE</b>	4-stroke Cycle, Water Cooled, Overhead Valve, Direct Injection
<b>SPEED REGULATION</b>	Droop within 5% (Mechanical Governor)
<b>ASPIRATION</b>	Turbocharged Air to Air Aftercooled
<b>CYLINDER ARRANGEMENT</b>	12 Vee
<b>BORE x STROKE</b>	140 mm x 165 mm
<b>PISTON DISPLACEMENT</b>	30.48 liters
<b>STARTING METHOD</b>	Electric Motor, 24V - 7.5 kW x 2
<b>CHANGING ALTERNATOR</b>	DC24V-35A (Brushless)
<b>LUBRICATION</b>	Forced Lubrication by Gear Pump
<b>LUBE OIL FILTER</b>	Cartridge Type
<b>FUEL OIL FILTER</b>	Cartridge Type
<b>AIR CLEANER</b>	Dry, Cyclopac 2 Stages of Paper Element with Dust Evacuator Valve
<b>OIL CAPACITY</b>	Total : 135/85 liters
<b>COOLANT CAPACITY</b>	Engine : 85 liters - Radiator : 153 liters

## ALTERNATOR DETAILS

<b>Rated Power Factor</b>	0.8
<b>Excitation</b>	Self Excited, Brushless
<b>Cooling</b>	Self Ventilation
<b>Automatic Voltage Regulator</b>	Equipped in Alternator
<b>Number of Pole</b>	4
<b>Rotor Supporting Type</b>	Single Bearing
<b>Degree of Protection</b>	Screen Protected (IP23)
<b>Number of Wire</b>	3-Phase / 4-Wires
<b>Insulation Class</b>	Class H
<b>Insulation Resistance</b>	M- ore than 3 Mohms
<b>Voltage Regulation</b>	0.5 %
<b>Total Harmonic, TGH / THC</b>	< 4%
<b>Waveform, NEMA = TIP</b>	< 50
<b>Waveform, IEC = THF</b>	< 2%

\* Optional

## FUEL CONSUMPTION (Approximately)

Hz	Load, %	50%	75%	100%
50	Fuel, Liter / H	108	156	206

## Standard / Optional Accessories S = Standard O = Optional

	S	O
<b>GENERATOR SET</b> Main Component mounted on the skid base (Engine, Alternator, MCCB, Control Panel and Lead Acid Battery)		
<b>ENGINE</b> Engine stop Method: Energized in run mode (Electric Stop Solenoid is mounted to the fuel lever)		
<b>Muffler</b> Industrial (Open Type) Residential (Soundproof Type) Residential (Open Type)		
Corrosion Resistor and Water Separator		
Engine Speed Control System Fixed Lever Type Electronic Speed Controller and Actuator Cold Starting Aid		
<b>ALTERNATOR</b> Anti-condensation Heater		
<b>CONTROL COMPONENTS</b> Generator Control Module Automatic Start / Stop Type Mode Switch : OFF / AUTO / MAN Built-in AC and DA Digital Measurements Basic Icon for Annunciation Built-in AMF Function (DSE 7320, 6120) Capable for remote Signal, Monitoring & Control System (Remote Control cable is optional)		
Engine Oil Temperature Gauge		
Analogue Tachometer (Magnetic Pick-up Type)		
Emergency Stop Push-Button MCCB Shunt Trip Coil Under Voltage Trip Type		
Voltage Trimmer (Potentionmeter)		
Battery Charger		
<b>FUEL TANK</b> Container Type 1400L		
<b>CONTROL SYSTEM</b> Synchronizing Panel Self-Standing ATS Panel		

## EGS1200-6

Open Type



## EGS1200BS-6C

Containerized Soundproof Type



Scan For the E-version



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