

EGS1000-7	EGS1000BS-7
Open Type	Bonnet & Soundproof Type



RATED OUTPUT

Frequency		60Hz (1,800 rpm)	
Rating		Prime	Standby
Rated	kVA	920	1,000
Output	kW	736	800
Rated Voltage *		440/254V, 460/266V, 480/277V	

* Rated Voltage : Line to Line / Line to Neutral

DESIGN FEATURES

- **Komatsu Diesel Engine**
 - High Quality, Reliability and Durability
 - High Output and Low Fuel Consumption
 - Light Weight and Compact Design
 - Low Noise and Low Vibration
 - Easy Maintenance
- **Proven Performance & Technology**
Komatsu EGS series diesel generator sets, the combination of Komatsu engine and reliable alternator, are manufactured under strict quality control standards.
- **Generator Control Panel**
EGS series generator sets have a compact and intelligent generator control module, which provides all the safety protections and its window displays both the AC and DC digital measurements.

CONDITIONS & DEFINITIONS

- **Prime Power Rating :**
Prime power is applicable for supplying electric power at variable load for an unlimited number of hours per year.
A 10% additional power is provided for governing purpose.
Average of variable load shall not exceed 70% of the prime power rating.
This rating is set in accordance with ISO 8528.
- **Standby Power Rating :**
Standby power is applicable for supplying emergency power at variable load in areas where reliable utility is available.
The total operating time at variable load shall not exceed 200 hours per year and the total operating time at Standby power shall not exceed 25 hours per year.
This rating is set in accordance with ISO 3046-1, DIN6271 and BS 5514.

SPECIFICATIONS

ENGINE

- **Model : Komatsu SAA6D170E—P910**
- **Rated Output, Net (With Fan)**

Eng. Speed		1,800 rpm (60Hz)	
Rating		Prime	Standby
Rated	HP	1,035	1,150
Output	kW	772	858

- **Fuel Consumption (Approximately)**

Hz	Load, %	25%	50%	75%	100 %
60	Generator, kVA	230	460	690	920
	Fuel, Liter/H	56	100	145	190

Type ----- 4-stroke Cycle, Water Cooled, Overhead Valve, Direct Injection
 Speed Regulation --- Electronic Governor
 Aspiration ----- Turbocharged Air to Air Aftercooled
 Cylinder Arrangement 6 in-line
 Bore x Stroke ----- 170 mm x 170 mm
 Piston Displacement - 23.15 liters
 Starting Method ----- Electric Motor, 24V - 11 kW x 1
 Charging Alternator --- DC24V-35A (Brushless)
 Lubrication ----- Forced Lubrication by Gear Pump
 Lube Oil Filter ----- Full-flow, Spin On/Off Type Cartridge
 Fuel Oil Filter ----- Spin On/Off Type Cartridge
 Air Cleaner ----- Dry, Cyclopac 2 Stages of Paper Element with Dust Evacuator Valve
 Oil Capacity ----- Oil Pan (H/L) : 135/66 liters
 System Total : 141 liters
 Coolant Capacity ---- Engine : 43 liters
 Radiator : 140 liters

ALTERNATOR

Rated Power Factor ----- 0.8
 Excitation ----- Self Excited, Brushless
 Cooling ----- Self Ventilation
 Automatic Voltage Regulator - Equipped in Alternator
 Number of Pole ----- 4
 Rotor Supporting Type ----- Single Bearing
 Degree of Protection ----- Screen Protected (IP22)
 Number of Wire ----- 3-Phase / 4-Wires
 Insulation Class ----- Class H

Insulation Resistance ----- More than 3 Mohms
 Voltage Regulation ----- ± 0.5 %
 Total Harmonic, TGH / THC --- < 4%
 Waveform, NEMA = TIP ----- < 50
 Waveform, IEC = THF ----- < 2%

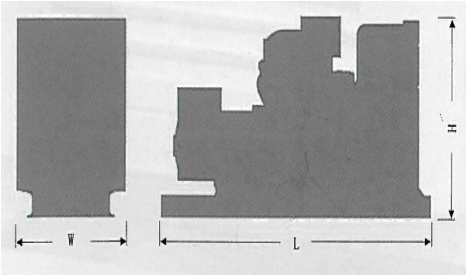
APPLICABLE CONDITIONS

Ambient Temperature : 0 ~ 40 °C
 Altitude : Maximum 1,000 m
 Ambient Humidity : Under 80 %

DIMENSIONS

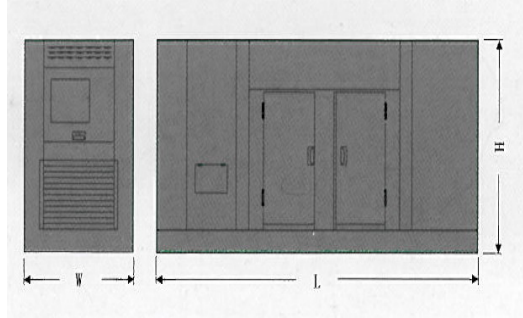
Unit : mm

EGS1000-7 Open Type
 Weight : Approx. 6,400 kg



L 4,120x W 1,790x H 2,080

EGS1000BS-7 Bonnet and Soundproof Type
 Weight : Approx. 10,300 kg



L 5,830 x W 1,990 x H 2,540

STANDARD / OPTIONAL ACCESSORIES

● : Standard ○ : Optional

Generator Set		
Main components mounted on the skid base. (Engine, Alternator, MCCB, Control Panel and Lead Acid Battery)		●
Rated Voltage : AC 200V or 220V class		○
Engine		
Engine Stop Method : Energized in run mode (Electric Stop Solenoid is mounted to the Fuel Lever)		●
Muffler	Industrial (Open Type)	●
	Residential (Bonnet and Soundproof Type)	●
	Residential (Open Type)	○
Corrosion Resistor and Water Separator		●
Engine Speed Control System		
Electronic Speed Controller		●
Cold Starting Aid		○
Alternator		
Anti-condensation Heater		○
Control Components		
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 Capable for Remote Signal, Monitoring and 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	○
	Motorized Breaker	○
Voltage Trimmer (Potentiometer)		○
Battery Charger		○
Fuel Tank		
Skid Base Tank Type(Open Type)		○
Self-Standing Tank Type(BS Type)		1,300L ●
Self-Standing Tank Type		○
Control System		
Synchronizing Panel		○
Self-Standing ATS Panel		○

Materials and specifications are subject to be changed without notice.

