

EGS1300-7

Open Type

EGS1300BS-7C

Containerized Soundproof Type



RATED OUTPUT

Frequency	60Hz (1,800 rpm)		
Rating	Prime	Standby	
Rated Output	kVA	1,138	1,250
	kW	910	1000
Rated Voltage *	400V-460V~480V		

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 SAA12V140-P1160
- **Rated Output, Net (With Fan)**

Eng. Speed	1,800 rpm (60Hz)		
Rating	Prime	Standby	
Rated Output	HP	1,306	1,446
	kW	974	1079

- **Fuel Consumption (Prime)**

Hz	Load, %	25%	50%	75%	100 %
60	Generator, kVA	284	569	853	1,138
	Fuel, Liter/H	71	125	181	244

Type ----- 4-stroke Cycle, Water Cooled, Overhead Valve, Direct Injection
 Speed Regulation ---- Droop within 5% (Mechanical Governor)
 Aspiration ----- Turbocharged Air to Air Aftercooled
 Cylinder Arrangement · 12 Vee
 Bore x Stroke ----- 140 mm x 165 mm
 Piston Displacement - 30.48 liters
 Starting Method ----- Electric Motor, 24V - 7.5 kW x 2
 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) : 183/85 liters
 System Total : 207 liters
 Coolant Capacity ---- Engine : 85 liters
 Radiator : 238 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 (IP23)
 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%

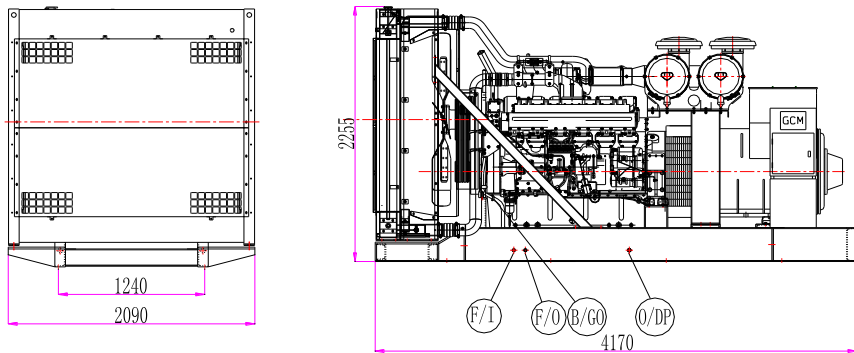
APPLICABLE CONDITIONS

Ambient Temperature : 5 ~ 40 °C
 Altitude : Maximum 1000 m(Prime)
 Ambient Humidity : Under 80 %

DIMENSIONS

EGS1300-7 Open Type

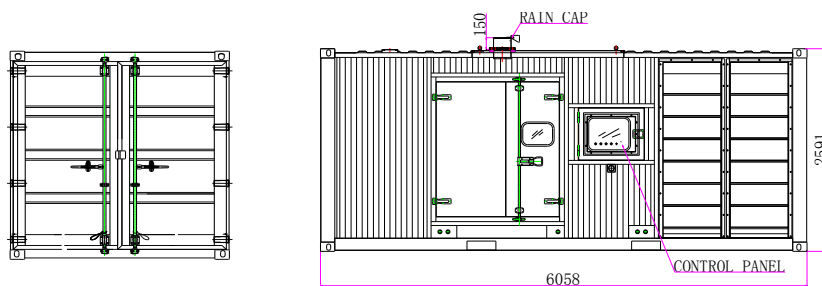
Weight : Approx. 7,570 kg



L 4,170x W 2,090x H 2,260

EGS1300BS-7C BSC Type

Weight : Approx. 13,000 kg



EGS1300BS-7C L 6,058 x W 2,438 x H 2,591

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	●
	Residential	○
Corrosion Resistor and Water Separator		●
Engine Speed Control System		
Fixed Lever Type		●
Electronic Speed Controller and Actuator		○
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		○
Self-Standing Tank Type		○
Control System		
Synchronizing Panel		○
Self-Standing ATS Panel		○

Materials and specifications are subject to be changed without notice.

