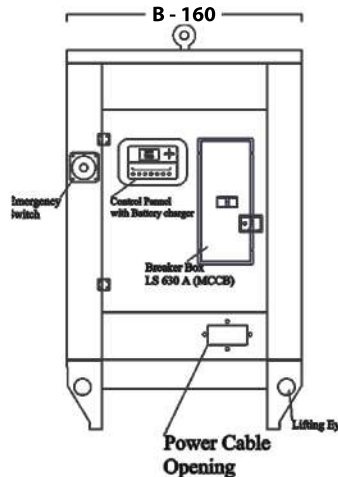
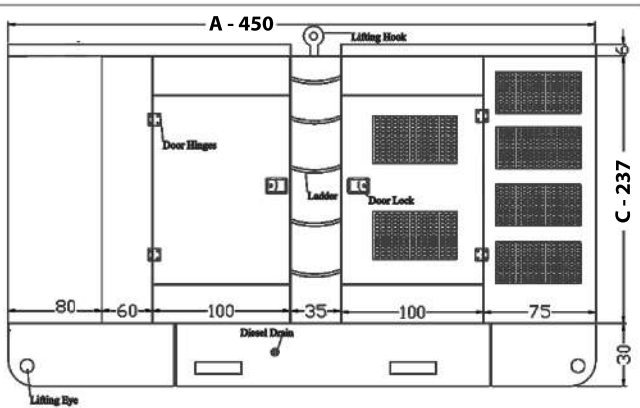


# GES K350 KVA GENSET DATASHEET



## Weight and Dimensions



GES K350 KVA		
	Close Type	Open Type
A - Length	450 cm	335 cm
B - Width	160 cm	112 cm
C - Height	237 cm	205 cm
Weight	4200 kg	3500 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

### Ratings @ 0.8 PF, 3 PHASE

FREQUENCY	50 Hz (1500 rpm)		
	Rating	Prime	Standby
Rated Output	kVA	350	385
	kW	380	308
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. A 10% additional power is provided for governing purpose. 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 variable in the event of a main power network failure up to maximum 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 SAA6D125 - P 400
<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-Cooled type after cooler
<b>CYLINDER ARRANGEMENT</b>	6 in line
<b>BORE x STROKE</b>	125 mm x 150 mm
<b>PISTON DISPLACEMENT</b>	11.04 liters
<b>STARTING METHOD</b>	Electric Motor, 24V - 7.5kW x 1
<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>	Centrifugal paper filter type with auto discharge valve
<b>OIL CAPACITY</b>	Total : 62 liters
<b>COOLANT CAPACITY</b>	Total : 34 liters

## ALTERNATOR DETAILS

<b>Make &amp; Model</b>	Leroy Somer TAL 046 H
<b>Frequency / Pole</b>	50 Hz / 4 Pole
<b>Rated Power Factor</b>	0.8 lag
<b>Excitation</b>	Shunt, Brushless
<b>Cooling</b>	Self Ventilation
<b>Automatic Voltage Regulator</b>	R150
<b>Number of Poles</b>	4 pole
<b>Rotor Supporting Type</b>	Single Bearing
<b>Degree of Protection</b>	IP23
<b>Number of Wire</b>	6 (12*)
<b>Insulation Class</b>	Class H
<b>Voltage Regulation</b>	± 1 %
<b>Total Harmonic Distortion THD</b>	< 2.5 % in no load and < 5% in linear load
<b>Waveform, NEMA = TIF</b>	< 50
<b>Waveform, IEC = THF</b>	< 2 %

\* Optional

## GENSET DETAILS

<b>CONTROLLER</b>	DSE 7320 MK II
<b>BASE FRAME</b>	Heavy-duty fabricated steel
<b>ENGINE SPEED</b>	1500 rpm
<b>CIRCUIT BREAKER</b>	3 Pole MCCB LSIS Korea
<b>FUEL TANK CAPACITY</b>	775 L
<b>AIR INLET</b>	Mounted Air Filter
<b>FUEL SYSTEM</b>	Mechanical pump governor, Direct Injection
<b>LUBRICATION SYSTEM</b>	Wet steel sump with filter and dipstick
<b>COOLING SYSTEM</b>	Thermostatically - controlled system with gear driven circulation pump & pusher fan Mounted radiator, piping and guards
<b>ELECTRICAL EQ.</b>	24 V Starter, 35 A Alternator Oil pressure and coolant temp. switches
<b>FLYWHEEL / HOUSING COUPLING</b>	Directly coupled SAE 0- 18

Scan For the E-version



## EXHAUST SYSTEM @ 1500 RPM

<b>MAX. BACK PR Kpa</b>	10.0	
<b>EXHAUST GAS FLOW</b> m3/min	<b>Prime</b>	<b>Standby</b>
	51	55
<b>EXHAUST GAS TEMP.</b> C(F)	520	550

## FUEL CONSUMPTION (Approximately)

Hz	Load, %	50%	75%	100%	110%
50	Fuel, Liter / H	34	57	75	84

## 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> BS Type 600L		
<b>CONTROL SYSTEM</b> Synchronizing Panel Self-Standing ATS Panel		