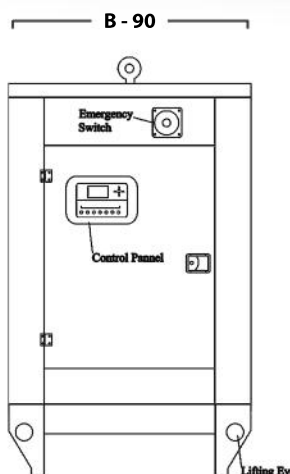
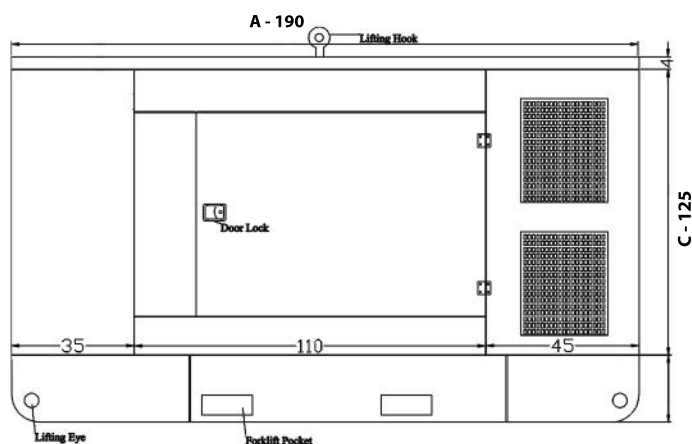


GES P9 KVA GENSET DATASHEET



Weight and Dimensions



GES P9 KVA		
	Close Type	Open Type
A - Length	190 cm	150 mm
B - Width	90 cm	52 cm
C - Height	125 cm	100 ccm
Weight	720 kg	380 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

VOLTAGE	FREQUENCY	PRIME RATING	STAND-BY RATING
380/220, 400/230 415/240	50 Hz	9.0 kVA 7.2 KW	10 kVA 8 KW

* Rated Voltage : Line to Line / Line to Neutral : For other voltages please consult factory.

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

MODEL	Perkins 403A - 11 G1
NUMBER OF CYLINDERS	3 vertical in-line
BORE AND STROKE	77 x 81 mm 3.2 x 3.2 in
DISPLACEMENT	1.131 Liters 69 in ³
ASPIRATION	Naturally
CYCLE	4 Stroke
COMBUTION SYSTEM	Indirect Injection
COMPRESSION RATIO	23:1
ROTATION	Anti Clockwise, viewed on flywheel
TOTAL LUBRICATION CAPACITY	4.9 Liters 1.29 gal
COOLING SYSTEM	Water Cooled
TOTAL COOLANT CAPACITY	5.2 Liters 1.37 gal
GOVERNOR	Mechanical

ALTERNATOR DETAILS

MAKE & MODEL	Leroy Somer TAL 040 B
FREQUENCY / P	50 Hz / 4
INGESS PROTECTION	IP 23
INSULATION CLASS	H
TERMINALS	6 (12*)
EXCITATION	Shunt
WINDING PITCH	2/3
AVR MODEL	R120
OVERSPEED	2250 RPM
VOLT REG	± 1%
THD	< 5%
NO OF BEARINGS	1

* Optional

GENSET DETAILS

CONTROLLER	DSE 4510 MK II
BASE FRAME	Heavy-duty fabricated steel
ENGINE SPEED	1500 rpm
CURCUIT BREAKER	3 Pole MCCB LSIS Korea
FUEL TANK CAPACITY	(SAC) 75 L
AIR INLET	Mounted Air Filter
FUEL SYSTEM	Mechanical governed fuel injection pump
FUEL FILTER	Split element Fuel Filter
LUBRICATION SYSTEM	Wet steel sump with filter and dipstick
COOLING SYSTEM	Thermostatically - controlled system with gear driven circulation pump & pusher fan Mounted radiator, piping and guards
ELECTRICAL EQ.	12 V Starter, 15 A Alternator Oil pressure and coolant temp. switches 12 V Shut-off solenoid energised to run Glow plug cold start aid and heater
FLYWHEEL / HOUSING MOUNTINGS	Directly Coupted SAE 5- 6 ½

EXHAUST SYSTEM @ 1500 RPM

MAX. BACK PR Kpa	10.2	
EXHAUST GAS FLOW m3/min (cfm)	Prime	Standby
	1.66 (78)	1.8 (85)
EXHAUST GAS TEMP. C(F)	368 (819)	420 (959)

FUEL CONSUMPTION (Approximately)

Hz	Load, %	50%	75%	100%	110%
5 0	Fuel, Liter / H	1.5	2	2.6	2.9

Standard / Optional Accessories *S = Standard O = Optional*

	S	O
GENERATOR SET Main Component mounted on the skid base (Engine, Alternator, MCCB, Control Panel and Lead Acid Battery)		
ENGINE Engine stop Method: Energized in run mode (Electric Stop Solenoid is mounted to the fuel lever)		
Muffler Industrial (Open Type) Residential (Soundproof Type) Residential (Open Type)		
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 (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		
FUEL TANK BS Type 75L		
CONTROL SYSTEM Self-standing ATS panel		

