

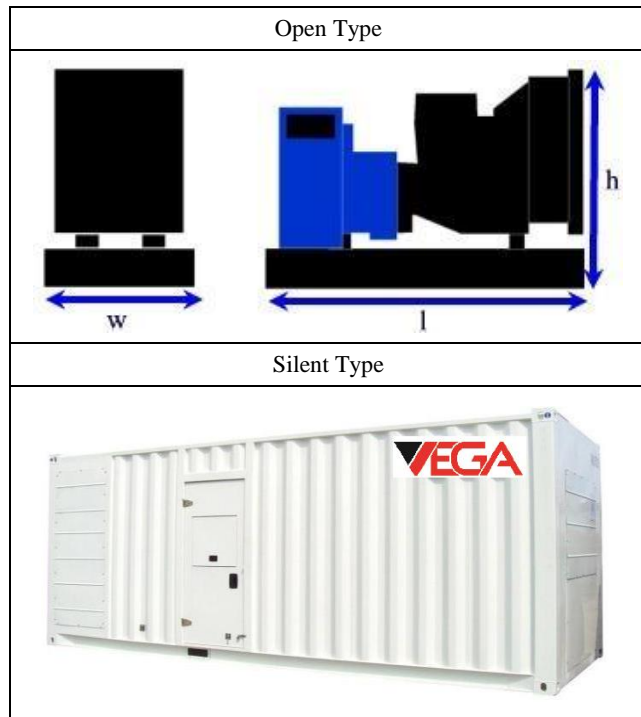
VGM820S

Standby power : 821KVA/657KW

Prime power : 746KVA/597KW

Standard features

- Engine : MITSUBISHI , S12A2-PTA
- Charge alternator : 24V
- Governor : Electronic
- Alternator : STAMFORD , LVI634B
- Single bearing alternator IP 23
- Insulation class H/H
- Radiator 50°C max with coolant cap
- Skid and vibration isolators
- Dry type air filter
- Main line circuit breaker
- 24V battery and cable
- User's manual



Weight and Dimensions

GEN-Set	Dimension (L×W×H)	Weight
Open Type	4018mm*1608mm*1972mm	5386kg
Silent Type	6058mm*2438mm*2591mm	8564kg

Generator Ratings

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	1185	821/657	746/597

Engine Data

Manufacturer/Model	MITSUBISHI S12A2-PTA 4-cycle
Cylinder /Arrangement	12 / 60° V
Displacement	33.93 L
Bore and Stroke	150 mm×160 mm
Compression ratio	14.5 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	746 KW
Frequency regulation , steady state	±0.25 %
Governor : type	Electronic

Exhaust System

Exhaust gas flow	170 m ³ /min
Exhaust temperature	500°C

Max back pressure	5.8kPa
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Fuel System

Fuel consumption 100% (of the Prime Power)	163 L / h
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Oil system

Total oil capacity w/filters	100 L
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Air intake

Engine air flow	64 m ³ /min
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Coolant System

Radiator & engine capacity	132 L
Max water temperature	98°C
Thermostat	71-85°C

Alternator Data

Manufacturer / Type	STAMFORD LVI634B
Number of phase power	3
Factor (Cos Phi)	0.8
Pole : number	4
Bearing : number	1
Coupling	Direct
Exciter type	PMG
Insulation : class , temperature rise	H / H
protection	IP23

Control panel



The DSE7320 is made by DEEPSEA in England and is a new control module for single gen-set applications, and it is an Automatic Start Control Module and is simple to operate, and the module includes USB, RS232 and RS485 for expansion device connectivity.

Specifications: Frequency meter, Ammeter, Voltmeter
Alarms and faults Oil pressure, water temperature, No start-up, Overspeed, Min/max alternator, Min/max battery voltage, Low fuel level, Emergency stop.

Engine parameters: Hours counter, Oil pressure, Water, temperature, Engine speed, Battery voltage, Fuel level.

Note: All data sheets are for reference only and subject to change without prior notice.