

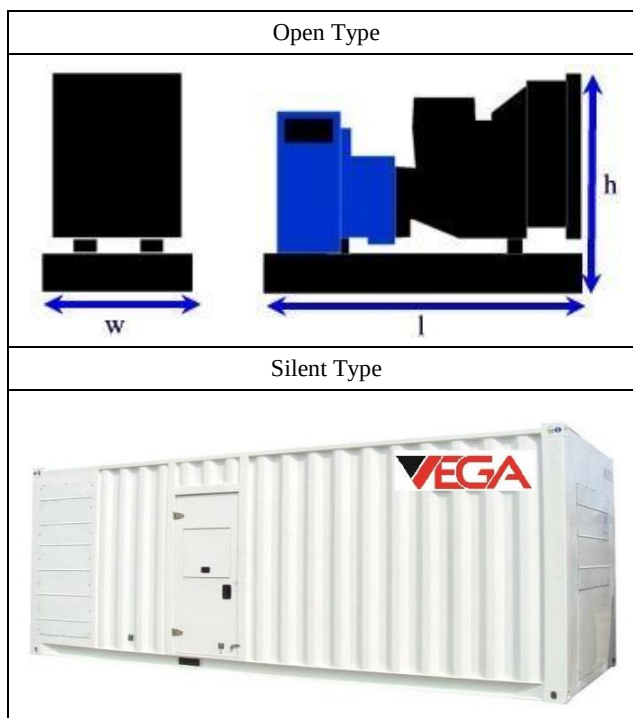
VGC1800S

Standby power : 1800KVA/1440KW

Prime power : 1640KVA/1312KW

Standard features

- Engine : CUMMINS , QSK50-G7
- Charge alternator : 24V
- Governor : ECM
- Alternator : STAMFORD , PI734D
- 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	5712mm×2188mm×2518mm	10964 Kg
Container Type	12192mm×2438mm×2896mm	17914Kg

Generator Ratings

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	2598	1800/1440	1640/1312

Engine Data

Manufacturer/Model	CUMMINS QSK50-G7 4-cycle
Cylinder /Arrangement	16 /60° V
Displacement	50.3 L
Bore and Stroke	159 mm×159 mm
Compression ratio	15.0 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	1581KW
Frequency regulation , steady state	≤ 1%
Governor : type	ECM

Exhaust System

Exhaust gas flow	5360 L/s
Exhaust temperature	520°C
Max back pressure	6.8 kpa

Fuel System

Fuel consumption 100% (of the Prime Power)	341 L / h
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Oil system

Total oil capacity w/filters	204 L
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Air intake

Engine air flow	2080 L/s
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Coolant System

Radiator & engine capacity	140 L
Max water temperature	104°C
Thermostat	82-93°C

Alternator Data

Manufacturer / Type	STAMFORD / PI734D
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, Over speed, 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.