

II . STANDARD CONFIGURATION

Engine	GE Kubota include air filter, fuel filters, oil filter, starting motor and charging alternator
Alternator	YANAN SLG brushless AC alternator
Radiator	50°C, fan protective shroud
Base frame	base mounted fuel tank, fuel meter, rubber anti-vibration pads, battery holder ≥500KW: channel steel base frame
Circuit Breaker	Molded case circuit breaker (MCCB)
Engine Control System	DEEP SEA 6020
Start Battery	Lead-acid battery, connection cables.
Accessories	Elbow and flange, Exhaust silencer, etc.
Documents	Hydraulic drawing, electric drawing, operation & maintenance manual, certification etc.

III . OPTIONAL EQUIPMENT

Engine accessories	◇ Heavy-duty air filter ◇ Coolant heater ◇ Lub oil heater ◇ Fuel and Water Separator
Cooling system	◇ 50°C radiator ◇ Heat exchanger + water cooling tower + External water circulation pumping system ◇ Remote horizontal water tank system
Control System	◇ Other (Compatible)
Circuit Breaker	◇ VIII
Automatic Transfer Switch	◇ ATS
Fuel Tank	◇ VII

IV. ENGINE DATA

Engine Model Aspiration	D1703-E2BG-CHN-1	Engine power	18.1	kW
Type	Naturally Aspirated	Displacement	1.647	L
No. of Cylinders Governor	Vertical in line	Bore×Stroke	87×92.4	mm
Type	3	Compression Ratio	23:1	
	Mechanical Governor	Rated Speed	1800	RPM

■ Fuel System

Prime power Fuel consumption	4.7	l/h No.2-	Standby power Fuel consumption	5.1	l/h
Fuel #	D(ASTM D975)		Injection System	Bosch Type	

■ Lubrication System

Lub Oil Capacity	7.6	L	Lub Oil Consumption	NA	l/h
Lub #	CF		Max. Temperature	121	°C

■ Coolant System

Coolant Capacity	6.5	L	Max. Top Tank Temp.	110	°C
Std. Thermostat (Modulating) Range	71	°C	Fan Drive Type	Shaft drive	

■ Air Intake System

Air intake capacity	1.29	m ³ /min	Air Pressure	≅ 1.96	kPa
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■ Exhaust System

Exhaust Gas Flow	3.48	m ³ /min	Max. Back Pressure	7.07	kPa
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■ Starting System

Start Mode	Electric start	Battery	80	Ah
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V. ALTERNATOR DATA

Alternator Model	Yanan SLG164C	Rate Power	12.8/16	kW/kVA
PF.	0.8	Voltage	208/120	V
Phase	3	Frequency Bearing	60	Hz
Connection Winding	3P 4W, Y connection	Proteccion	Single Bearing	
Pitch Insulation Class	2/3	Class	IP21	
Tel. Influence	H/H	Efficiency	80.70%	
Harmonic Coefficient	TIF: <50	Voltage Regulation	±1.0%	
Voltage Adjust Scope	THF: <2%	AVR Excitation	YN440	
	≥±5%	System	Self-excited	

VI. CONTROL SYSTEM DATA

MODEL DSE6020

■ Control Panel features

Electronic J1939 (CAN) and Modbus capable. MPU and alternator sensing engine support for diesel, and gas engines all in one controller. With a large number of flexible inputs, outputs and protection circuits.

The modules can be easily adapted to suit a wide range of applications.



■ Key Function

- ▲utility voltage sensing
- ▲Generator/load power monitoring (kW, kV A, kV Ar, pf)
- ▲Generator overload protection(kW)
- ▲Efficient power save mode
- ▲mains and generator closed via front panel
- ▲4 configurable DC outputs
- ▲4 configurable analog./digital inputs & stopping
- ▲6 configurable digital inputs
- ▲Support for 0-10 V & 4-20 mA oil pressure sensors
- ▲Configurable staged loading outputs
- ▲CAN, MPU and alternator speed sensing in one variant
- ▲3 engine maintenance alarms
- ▲engine speed protection
- ▲Engine pre-heat
- ▲Multiple date and time scheduler
- ▲Engine idle control for starting
- ▲Fuel pump control
- ▲Battery voltage monitoring
- ▲Start on low battery voltage
- ▲Configurable remote start input
- ▲alternative configuration
- ▲alarm including common alarm, common electric and common shutdown
- ▲LCD and LED alarm indication
- ▲Configurable event log (50)
- ▲Heated display option available

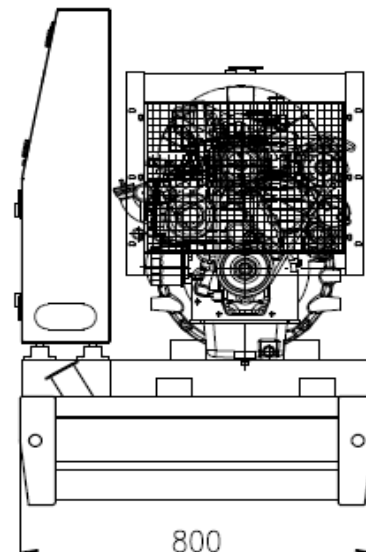
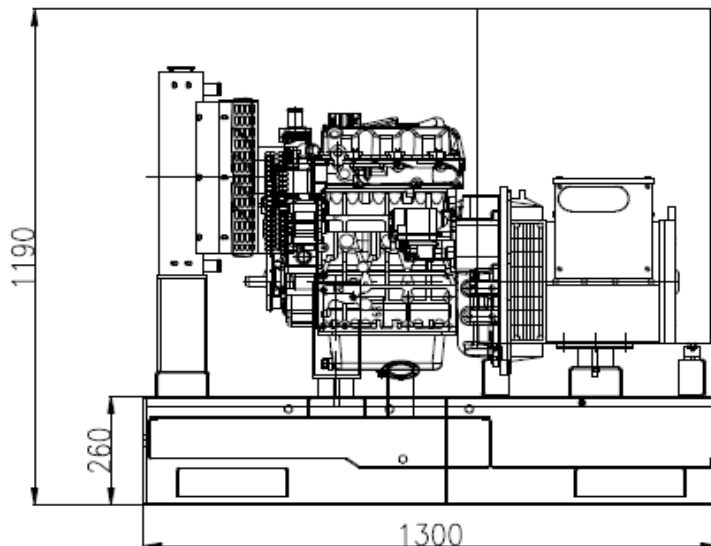
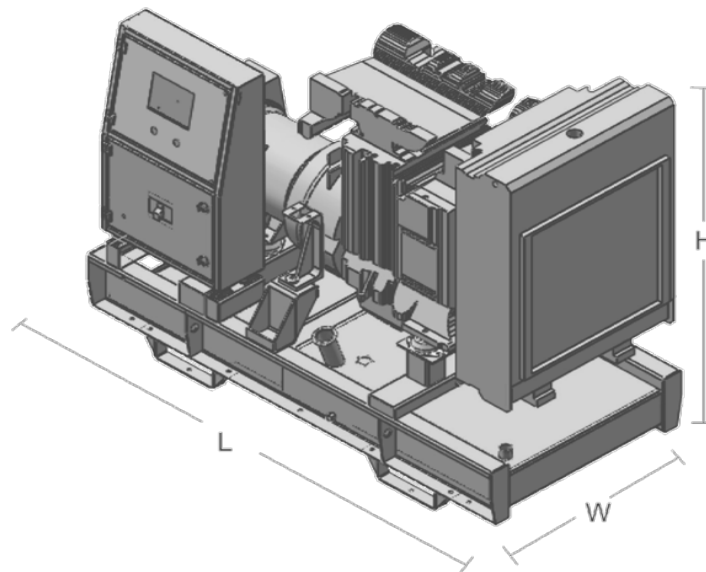
☆ *For more information, please visit the Deep Sea Controls website*

VII. WARRANTY POLICY

1. Warranty for one year or 1000 hours (whichever comes first) from sales date. Refer to

《UQ-Power Diesel Generator Warranty Manual》 for more details.

2. Maintenance parts(filters, belts,hoses, batteries),inproper operation and maintenance failures are excluded from the warranty policy



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