



*Silent Type Unit Shown Above

GENERAL DATA

Prime Power Continuous	kW/kVA	37.0	46.0
Power Standby Power	kW/kVA	33.0	41.0
	kW/kVA	40.0	50.0
Frequency	Hz/rpm	60	1800
Voltage	V	208	120
Current	A		140
Connection	/	3P 4W Series	
Rated Power Factor	/	0.8pf	
Open Type (L×W×H)	inches	66.94×40.75×54.5	
Open Type(Weight)	lbs	1984	
Silent Type (L×W×H)	inches	-, "(' I (' " %x56.7	
Silent Type(Weight)	lbs	2645	

- Available in the following voltages 120/208, 277/480, 120/240(both single and three phase)
- All data based on ISO 3046, altitude 1000m (361ft), barometric pressure 100kPa (29.53inHg), air temperature 25 °C(77° F), relative humidity 30%.
- Please contact UQ-Power for correct generator capacity selection when the load application can't meet with the standard reference.
- UQ-Power diesel generators comply with standards ISO8528, ISO 14000, ISO3046, GB755, BS5000, VDE0530, ISO3046, IEC34-1

Standard Unit Configuration

Engine	Brand new Kubota Diesel Engine, to include air filter, fuel filters, oil filter, starting motor and charging
Alternator	Alternator YANAN SLG brushless AC alternator with Yanan YA460F or YA440
Radiator	50°C, fan with protective shroud
Base frame	Base mounted fuel tank, fuel meter, rubber anti-vibration pads, battery holder ≥500KW: channel steel base frame
Circuit Breaker Engine	Molded case circuit breaker (MCCB)
Control System Start	DEEP SEA 6020
Battery	Lead-acid battery, connection cables.
Exhaust System	Flex exhaust, Elbow and flange, Exhaust silencer, etc.
Documents	UQ-Power standard, Mechanical drawing, electric drawing, operation & maintenance manual, certification etc.

Optional available 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 (Comap controls inc) ◇ 2, 3 and 4 pole, thermo-magnetic
Circuit Breaker Automatic Transfer Switch	◇ ATS- available in Nema 1 and 3R, 2 and 3 pole
Optional Fuel Tank	◇ Double wall tank available in 8, 12, and 24 hour sizes

ENGINE DATA

Model	V3600	Engine power	48	kW
Aspiration Type	Aspirated Vertical in line	Displacement	3.620	L
No. of Cylinders	4	BorexStroke	98x120	mm
Governor Type	Mechanical Governor	Compression Ratio	23:1	
		Rated Speed	1800	RPM

■ Fuel System

Prime power Fuel consumption	3.18 gallons/hour at full Load	Injection System	Bosch Type
Fuel #	D(ASTM D975)		

■ Lubrication System

Lub Oil Capacity	13.2	L	Lub Oil Consumption	NA	l/h
Lub #	CF		Max. Temperature	121	°C

■ Coolant System

Coolant Capacity	10	L	Max. Top Tank Temp.	110	°C
Std. Thermostat (Modulating) Range	71	°C			

■ Air Intake System

Air intake	Naturally Aspirated	Air Pressure	≅ 1.96	kPa
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■ Exhaust System

Exhaust Gas Flow	Single exhaust	Max. Back Pressure	7.07	kPa
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■ Starting System

Start Mode	Electric start	Battery	80	Ah
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ALTERNATOR DATA

Alternator Model	Yanan SLG224C	Rate Power	44/55	kW/kVA
PF.	0.8	Voltage	208/120	V
Phase	3	Frequency	60	Hz
Connection	3P 4W, Y	Bearing	Single Bearing	
Winding Pitch	connection 2/3	Proteccion	IP21	
Insulation Class	H/H	Class	80.70%	
Tel. Influence	TIF: <50	Efficiency	±1.0%	
Harmonic	THF: <2% ≥	Voltage	YN440	
Coefficient Voltage	±5%	Regulation AVR	Self-excited	
Adjust Scope		Excitation		

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 Functions

- ▲ utility voltage sensing
- ▲ Generator/load power monitoring (kW, kV A, kV Ar, pf)
- ▲ Generator overload protection (kW) alarms
- ▲ 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
- ▲ CAN, MPU and alternator speed sensing in one variant
- ▲ 3 engine maintenance
- ▲ 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 output
- ▲ 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](http://www.deepseacontrols.com)*

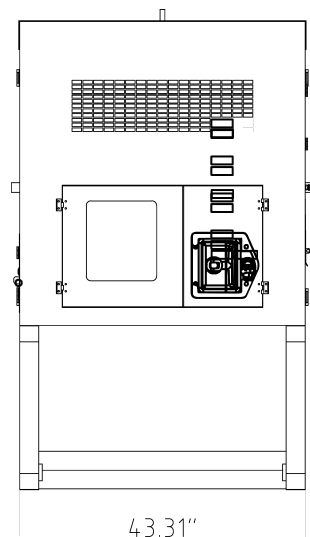
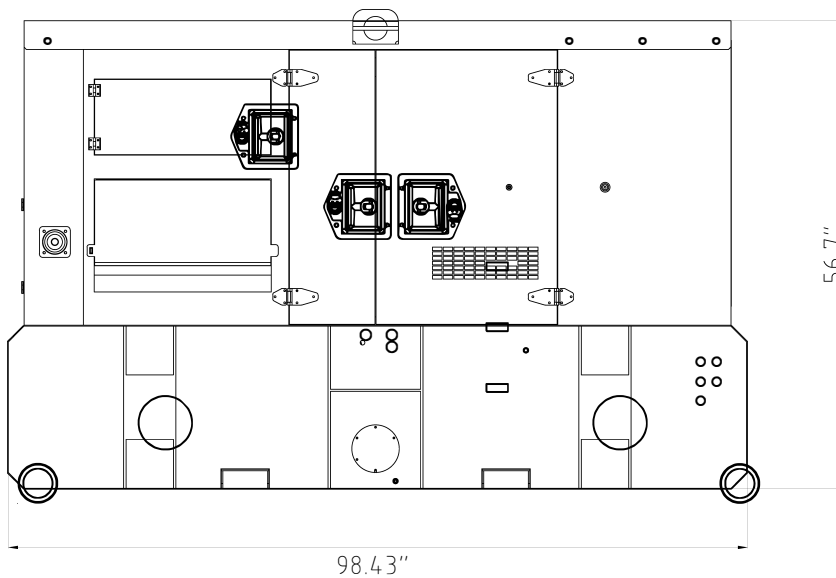
WARRANTY POLICY

1. Standard 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),improper operation and maintenance failures are excluded from the warranty policy



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