

# UQ-POWER DIESEL GENERATOR Powered by Kubota

Model:KE15Tier 4





Photo above for illustration purposes only

kW/kVA	15.0	18.0
kW/kVA	12	15
kW/kVA	16	20
Hz/rpm	60	1800
V	208	120
Α		42
1		3P 4W Series
1		0.8pf
mm		1300×800×11
kg		90 410
mm		2000x950x120
kg		0 730
	kW/kVA kW/kVA Hz/rpm V A / mm kg mm	kW/kVA 12 kW/kVA 16 Hz/rpm 60 V 208 A / / mm kg mm

- 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  $^{\circ}$ 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

Brand new Kubota Diesel Engine, to include air filter, fuel filters, oil filter, starting motor and charging

Engine

Alternator YANAN SLG brushless AC alternator with Yanan YN-440 AVR

Alternator

Radiator  $50^{\circ}$ 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) ABB-UL listed

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  $\Diamond$  Heavy-duty air filter  $\Diamond$ Coolant heater  $\Diamond$ Lub oil heater  $\Diamond$ Fuel and Water Separator

Cooling system ♦50°C radiator ♦ Heat exchanger + water cooling tower + External water circulation pumping

system

◇Remote horizontal water tank system

Circuit Breaker  $\diamondsuit$  2, 3 and 4 pole, thermo-magnetic

Automatic  $\Diamond$  ATS- available in Nema 1 and 3R, 2 and 3 pole

Transfer Switch

Optional Fuel Tank Single wall and double wall tank available in 8, 12, and

24 hour sizes

Start Mode





ENGINE DAT		M DC		English	10.1	1347
Model	D1503-			Engine power	18.1	kW
Aspiration Type	Naturally Aspirated Vertical			Displacement	1.647	L
No. of Cylinders	in line 3		Bore×Stroke	87×92.4	mm	
Governor Type	Electric	Governor		Compression Ratio	23:1	
				Rated Speed	1800	RPM
■ FuelSyste						
<ul><li>Prime power consumption</li></ul>	Fuel	4.7	I/h No.2-	Standby power Fuel consumption	5.1	l/h
Fuel #		D(ASTMD	975)	Injection System	Bosch Type	!
<ul><li>Lubrication</li></ul>	on Syst	tem				
Lub Oil Capacit	У	7	L	Lub Oil Consumption	NA	l/h
Lub #		CF		Max.Temperature	121	°C
	_					
■ Coolant S	System					
Coolant Capaci	ity	15	L	Max. Top Tank Temp.	110	${\mathbb C}$
Std. Thermosta (Modulating)	at	71	$^{\circ}$	Fan Drive Type	Shaft drive	
(Modulating) Range						
■ Air Intako	e Svete	m				
Air intcke capa		1.29	m3/min	Air Pressure	≤ 1.96	kPa
лії іпіске сара	city	1.27	1113/111111	7.11 1 1 C33 UTC	= 1.50	NI Ø
- Evhauet (	Svetam					
■ Exhaust S	_		24 .		7.07	1.5
Exhaust Gas Flo	ow	3.48	m3/min	Max.Back Pressure	7.07	kPa
	_					
■ Starting S	System					

Battery

80

Ah

Electric start



ALTERNATOR DATA							
Alternator Model	Yanan SLG164C	Rate Power	14/17.5	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	I			
Adjust Scope		Excitation					

### Control Panel features

CONTROL SYSTEM DATA

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./digitali nputs &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

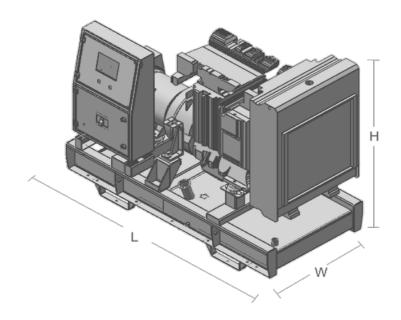


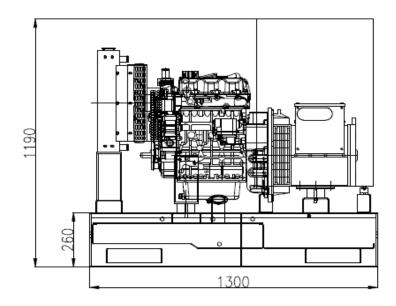
MODEL

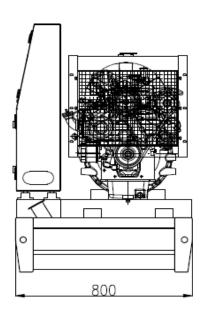
DSE6020

- **▲**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

- 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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