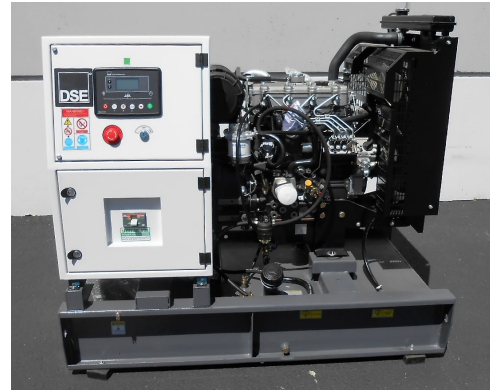




Optional Sound Attenuated enclosed unit shown



Open Unit shown

*Drawing above for illustration purposes only

I . GENERAL DATA

Prime Power	kW/kVA	20	25
Standby Power	kW/kVA	21	27
Frequency	Hz/rpm	60	1800
Voltage	V	208	120
Current	A	69	
Connection	/	3P4W / Y	
Rated Power Factor	/	0.8	
Open Type (L×W×H)	In	55.0×30.0×46.5	
Open Type(Weight)	lb	1100	
Silent Type (L×W×H)	In	79.0×36.0×46.5	
Silent Type(Weight)	lb	1940	

■ Available for voltages 277/480, 120/240 1 and 3 phase, 120/208 3 phase

■ All data based on ISO 3046, altitude 100m (328.1ft), barometric pressure 100kPa (29.53inHg), air temperature 25 °C (77°F), relative humidity 30%.

■ Please contact with UQ-Power engineer 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

II . STANDARD CONFIGURATION

Engine	Perkins, including air filters, fuel filters, oil filter, starting motor and charging alternator etc.
Alternator	Yanan brushless AC alternator
Radiator	40°C, fan protective shroud
Base frame	Base mounted fuel tank, fuel meter, anti-vibration pads, battery holder, steel frame Molded case circuit breaker(MCCB).
Circuit Breaker	DEEP SEA 6020
Control System	Lead acid battery, connection cables.
Start Battery	
Exhaust System	Flex exhaust, Elbow and flange, Exhaust silencer, etc.
Documents	Electric drawing, operation & maintenance manual, certification etc.

Optional Available Equipment

Engine accessories	◇ Heavy-duty air filter ◇Coolant heater ◇Lube 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 Deep Sea or Comap or Controls Inc
Circuit Breaker	◇ABB 2, 3 and 4 pole thermo-magnetic
Automatic Transfer Switch	◇ATS- available in Nema 1 and 3R, 2 and 3 pole
Fuel Tank	◇Standard tank 8 hour run time single wall tank, optional UL142 double wall tank available in 8, 12, and 24hour sizes.

IV. ENGINE DATA

Engine Model	404D-22G	Engine power	22	kW
Aspiration	Naturally aspirated	Displacement	2.216	L
Type	Vertical in-line	Bore×Stroke	84×100	mm
No. of Cylinders	3	Compression Ratio	23.3:1	
Governor Type	Mechanical	Rated Speed	1800	RPM

■ Fuel System

Prime power Fuel consumption	6.4	l/h	Standby power Fuel consumption	7.29	l/h
Fuel #	0# Diesel		Injection System	Cassette type	

■ Lubrication System

Lub Oil Capacity	10.6	L	Lub Oil Consumption	0.027	l/h
Lub #	API CF-4 15W40		Max. Temperature	125	°C

■ Coolant System

Coolant Capacity	7	L	Max. Top Tank Temp.	112	°C
Std. Thermostat (Modulating) Range	82-92	°C	Fan Drive Type	Shaft drive	
Exhaust air volume	29.4	m ³ /min	Fan Power	0.2	kW

■ Air Intake System

Air intake capacity	1.74	m ³ /min	Air Pressure	3	kPa
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■ Exhaust System

Exhaust Gas Flow	4.34/4.76	m ³ /min	Max. Back Pressure	10.2	kPa
Exhaust Gas Temp.	≤515	°C	Exhaust pipe size	φ 60	mm

■ Starting System

Start Mode	Electric start	Battery	80x1	Ah
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V. ALTERNATOR DATA

Alternator Model	SLG184E	Rate Power	22/27.5	kW/kVA
PF.	0.8	Voltage	208/120	V
Phase	3	Frequency	60	Hz
Connection	2P 3W / Y	Bearing	1	
Winding Pitch	2/3	Proteccion Class	IP21	
Insulation Class	H/H	Efficiency	83.20%	
Tel. Influence	TIF: <50	Voltage Regulation	±1.0%	
Harmonic Coefficient	THF: <2%	AVR	AS440	
Voltage Adjust Scope	≥±5%	Excitation System	SELF EXCITED	

VI. CONTROL SYSTEM DATA

MODEL DSE6020

■ Main feature

Electronic J1939 (CAN) and nonelectronic MPU and alternator sensing engine support for diesel, gas and petrol engines all in one variant. With a number of flexible inputs, outputs and protections, 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
- ▲ 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 & stopping
- ▲ 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 [official website](#)*

WARRANTY POLICY

Standard limited warranty for two year or 2000 hours (whichever comes first) from initial sales date to the end user. Refer to UQ-Power Diesel Generator Warranty Manual for more details. Second year of warranty is for Parts replacement only. Engine warranty by MFG of engine (IE; Perkins).

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

VIII. DRAWING (for illustration purposes only)

