

Standard Unit Configuration

Engine	Perkins Diesel Engine, to include air filter, fuel filters, oil filter, starting motor and charging Alternator YANAN SLG brushless AC alternator with Yanan 4401AVR
Alternator	50°C, fan with protective shroud
Radiator	
Base frame	Base mounted fuel tank, fuel meter, rubber anti-vibration pads, battery holder, steel frame
Circuit Breaker Engine	Molded case circuit breaker (MLCB)
Control System Start	DEEP SEA 6020
Battery	Lead-acid battery, connection cables.
Exhaust System	Flex exhaust, Elbow and flange, Exhaust silencer, etc.
Documents	8 4 3 R Mechanical drawing, electric drawing, operation & maintenance manual, certifications ECT.

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, 2,3 and 4 pole
Optional Fuel Tank	◇UL142 listed and non UL double wall tank available in 8, 12, and 24 hour sizes

ENGINE DATA



Model	1106D-E70TAG2	Engine power	157	kW
Aspiration Type	Turbocharged, Air to air charge cooled	Displacement	7.0	L
No. of Cylinders	in line 4- 4 Cycle	Bore×Stroke	105x135	mm
Governor Type	Isochronous Governor ECM controlled	Compression Ratio	16.8:1	
		Rated Speed	1800	RPM

■ Fuel System

Prime power Fuel consumption	39	l/h	Standby power Fuel consumption	43.1	l/h
Fuel #	Diesel #2		Injection System	Cassette Type Injection Pump	

■ Lubrication System

Oil Capacity	16.5	L	
Lube #	API-CF 15W40		

■ Coolant System

Coolant Capacity	21	L	Max. Top Tank Temp.	112	°C
Thermostat range	85-95	°C	Fan Drive Type	Shaft drive	
Fan air flow	154m3/min		Fan power consumption	6.0kw	

■ Air Intake System

Air intake capacity	7.6	m3/min	Air Pressure	≅ 3	kPa
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■ Exhaust System

Exhaust GasFlow	17	m3/min	Max.Back Pressure	15.0	kPa
Exhaust gas temp.	470		Outlet size	64mm	

■ Starting System

Start Mode	Electric start	Battery	120	Ah
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ALTERNATOR DATA

Alternator Model	Yanan SLG274f	Rate Power	145/181.3	kW/kVA
PF.	0.8	Voltage	208/120	V
Phase	3	Frequency	60	Hz
Connection	3P 4W, Y connection	Bearing	Single Bearing	
Winding Pitch	2/3	ProtectionClass	IP21	
Insulation Class	H/H	Efficiency	85.80%	
Tel. Influence	TIF: <50	Voltage	±1.0%	
Harmonic	THF: <2%	Regulation AVR	YN440	
Coefficient Voltage	≥±5%	Excitation	Self-excited	
Adjust Scope				

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, kVA, kVAR, 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 & topping
- ▲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

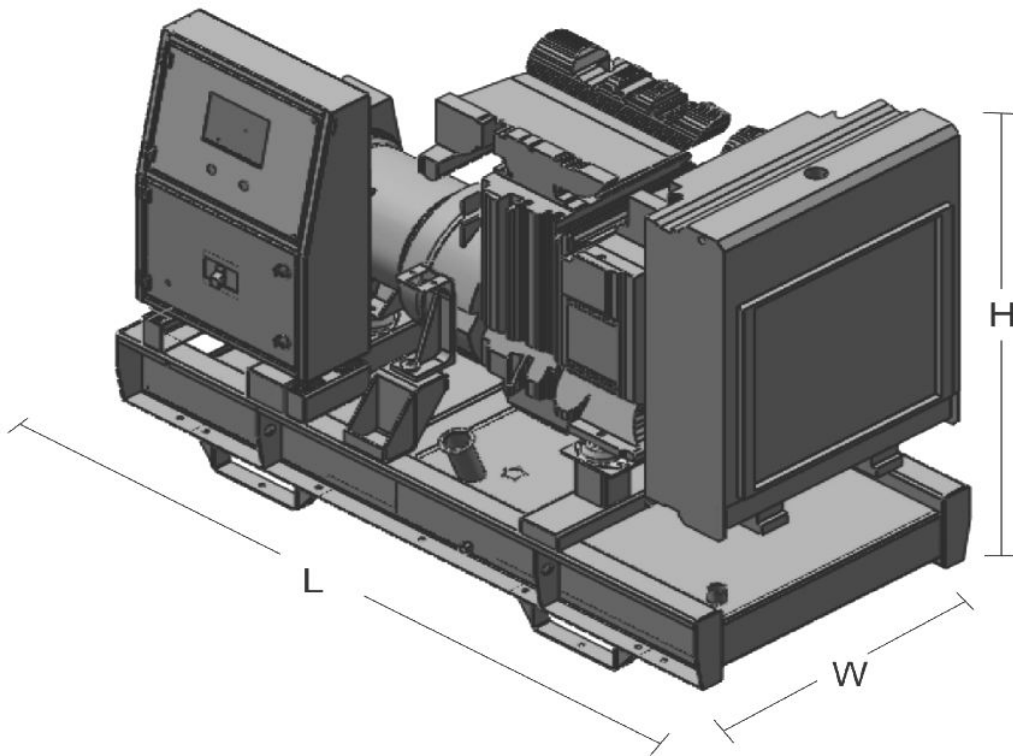


☆ For more information, please visit the [Deep Sea Controls website](http://www.deepseacontrols.com)

WARRANTY POLICY

1. Standard warranty for one year or 1000 hours (whichever comes first) from initial sales date to the end user. 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.

Open Unit Size (LXWXH)	2600x800x1410mm
Enclosed unit (LXWXH)	2800x1100x1410mm
Weight Open unit	1800kg (3300lbs)
Weight Enclosed unit	2300kg (4400lbs)



All data is subject to change without notice.



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