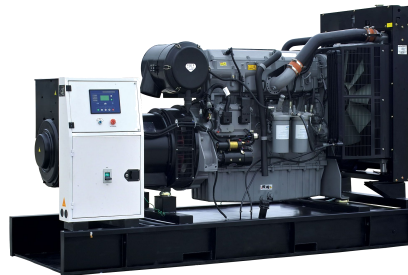


Model: PE-135



Optional Sound Attenuated enclosed unit shown



Open unit shown

GENERAL DATA

| | | | |
|---------------------|--------|-------|----------------|
| Prime Power | kW/kVA | 135 | 168.8 |
| Continuous | kW/kVA | 101.3 | 126.6 |
| Standby power | kW/kVA | 148.5 | 185.6 |
| Frequency | Hz/rpm | 60 | 1800 |
| Voltage | V | 208 | 120 |
| Current | A | | 149.3 |
| Connection | / | | 3P 4W Series |
| Rated Power Factor | / | | 0.8pf |
| Open Type (L×W×H) | mm | | 2600×800×1410 |
| Open Type(Weight) | kg | | 1800 |
| Silent Type (L×W×H) | mm | | 2800x1100x1300 |
| Silent Type(Weight) | kg | | 2300 |

- 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 1 00kPa (29.53inHg), air temperature 25 °C (77° F), relative humidity 30%.
- Please contact UQ-Power for correct generator capacity selection when the load application does not meet the standard reference.
- UQ-Power diesel generators comply with standards ISO8528, ISO 1 4000, ISO3046, GB755, BS5000, VDE0530, ISO3046, IEC34-1

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 YN440 AVR |
| 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 | UQ-Power-standard, 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 | 154m ³ /min | | Fan power consumption | 6.0kw | |

■ Air Intake System

| | | | | | |
|---------------------|-----|---------------------|--------------|-----|-----|
| Air intake capacity | 7.6 | m ³ /min | Air Pressure | ≅ 3 | kPa |
|---------------------|-----|---------------------|--------------|-----|-----|

■ Exhaust System

| | | | | | |
|-------------------|-----|---------------------|-------------------|------|-----|
| Exhaust Gas Flow | 17 | m ³ /min | Max.Back Pressure | 15.0 | kPa |
| Exhaust gas temp. | 470 | | Outlet size | 64mm | |

■ Starting System

| | | | | |
|------------|----------------|---------|-----|----|
| Start Mode | Electric start | Battery | 120 | Ah |
|------------|----------------|---------|-----|----|

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

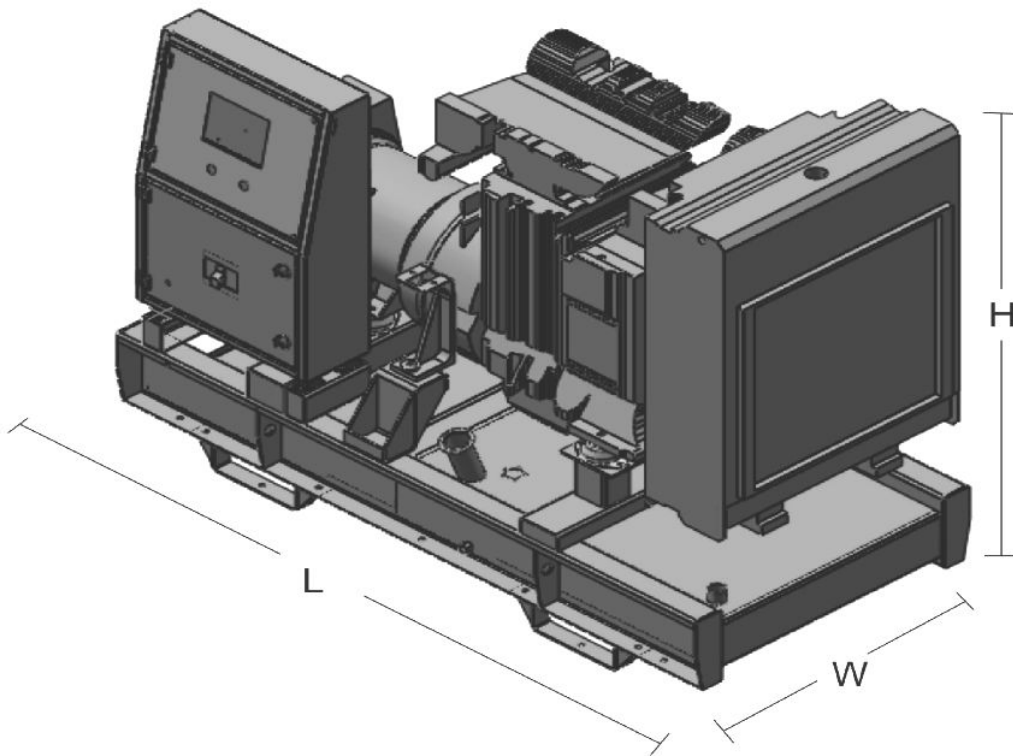


☆ For more information, please visit the [Deep Sea Controls website](http://www.deepseacontrols.com)

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.



3875 Duck Creek Dr.
Stockton, Ca. 95215
(800) 760-9598 www.UQ-Power.com