



3 phase,60HZ@1800RPM

| | | |
|----------------------|-----|---------|
| Prime power | KVA | 1420 |
| | KW | 1136 |
| Standby power | KVA | 1562 |
| | KW | 1250 |
| Voltage | V | 440/254 |
| Ampere | A | 2049.2 |



Notes:

- 1) Ambient condition: 1,000 m,25°C
- 2) Available in following voltages:416/240,440/254,460/266,480/277
- 3) Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820-97 (eqv ISO8528) ; A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation.
Standby Power Rating (ESP): The standby power rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

Features

| | |
|---|---|
| <ul style="list-style-type: none"> ● Engine (CCEC Cummins KTA50-G3) ● Radiator 40°C max, fans are driven by belt, with safety guard ● Alternator: single bearing Stamford or Mecc Alte alternator IP23, insulation class H/H) ● Main line circuit breaker ● Standard automatic control panel ● Batteries, rack and cable | <ul style="list-style-type: none"> ● 24V charge alternator ● Absorber ● Dry type air filter, fuel filter, oil filter ● Ripple flex exhaust pipe, exhaust siphon, flange, muffler ● User manual |
|---|---|

Performance Specification,Warranty and Criterion

| Performance Specification | | Telephone Influence Factor | |
|--|-----------------|--|-----|
| Voltage Regulation | ≥±5% | TIF | <50 |
| Voltage Regulation, Stead State | ≤±1% | THF | <2% |
| Sudden Voltage Warp (100% Sudden Reduce) | ≤+25% | <p>Warranty is according to our standard conditions: a, 12 months, One year after installation; b, 1000 running hours (accumulated); subject to the earlier one. Service and parts are available from ENERGY360 or distributors in your location.</p> <p>Criterion</p> <ul style="list-style-type: none"> ● Genset design comply to ISO8528/GB2820-97 ● Alternator design Compliance with GB755, BS5000, VDE0530, NEMAMG1-22, IED34-1, CSA22.2 and AS1359 standards | |
| Sudden Voltage Warp (Sudden Increase) | ≤-20% | | |
| Voltage Stable Time (100% Sudden Reduce) | ≤6S | | |
| Voltage Stable Time (Sudden Increase) | ≤6S | | |
| Frequency Reduce | 0-5% adjustable | | |
| Frequency Regulation, Stead State | ≤5% | | |
| Frequency Waving | ≤0.5% | | |
| Sudden Frequency Warp (100% Sudden Reduce) | ≤+12% | | |
| Sudden Frequency Warp (Sudden Increase) | ≤-10% | | |
| Frequency Recovery Time (100% Sudden Reduce) | ≤5S | | |
| Frequency Recovery Time (Sudden Increase) | ≤5S | | |

| Engine specification | | Alternator specification | | |
|-------------------------------------|--------------------------|------------------------------------|----------------------------------|----------|
| Brand | CUMMINS | Brand | STAMFORD | |
| Model | KTA50-G3 | Model | PI 734A | |
| Air Intake System | Turbo, Air/Water cooling | Number of Phase | 3 | |
| Fuel System | PT type fuel pump, EFC | Connecting Type | “Y” type connecting | |
| Cylinder Arrangement | 16 in “V” | Number of Bearing | 1 | |
| Displacement | 50.3L | Power Factor | 0.8 | |
| Bore×Stroke | 159*159 mm | Protection Grade | IP23 | |
| Compression Ratio | 13.9:1 | Altitude | ≤1000m | |
| Governor Type | Electronic Governor | Exciter Type | Brushless, self-exciting | |
| Frequency Regulation, Steady State: | ≤1.5% | Insulation Class, Temperature Rise | H/H | |
| Starting system | E | Alternator Capacity | 1500KVA | |
| Battery voltage | 12VDC | Telephone Influence Factor (TIF) | <50 | |
| Fuel consumption(GL/h) | | THF | <2% | |
| | 100% load | 74,5 | Voltage Regulation, Steady State | ≤±1% |
| | 75% load | 58 | Alternator Efficiencies | 94.2% |
| | 50% load | 41,8 | Air Cooling Flow | 2.69m3/s |

| Exhaust System | | Air Intake System | |
|---------------------|---------|------------------------|---------|
| Exhaust Gas Flow | 4295L/s | Max Intake Restriction | 6.35kPa |
| Exhaust Temperature | 525°C | Burning Capacity | 2075L/s |
| Max Back Pressure | 5.1kPa | Intake Air Flow | TBA |

| Oil System | | Cooling System | |
|---------------------------|------------|-------------------------------------|---------|
| Total Oil Capacity | 177L | Total Coolant Capacity(Engine only) | 161L |
| Oil Consumption | ≤4g/kwh | Thermostat | 82-93°C |
| Engine Oil Tank Capacity | 121L | Max Water Temperature | 104°C |
| Oil Pressure at Rated RPM | 345-483kPa | | |



Control system

Deepsea brand DSE7320 (Standard)

Features:

- Auto Mains (Utility) Failure control module
- Remote PC and via SMS textalerts (with external modem)
- LED and LCD alarm indication
- Include USB, RS232 and RS485 ports
- Support for up to three remote display units
- Generator measurements (50/60 Hz): U1-U3, I1-I3, Hz, kW, kVAr, kWh
- Charge alternator failure alarm
- 3 phase Generator protections:
 - Over-/under voltage
 - Over-/under frequency
 - Current/voltage asymmetry
 - Overcurrent/overload
- Analog oil pressure, water temperature, fuel level, battery voltage, engine speed
- Load switching (load shedding and dummy load outputs)
- CAN and Magnetic Pick-up/Alt.sensing
- Automatic load transfer



Deepsea DSE8610 parallel controller (Option)

Features:

- Comprehensive synchronising & loadsharing capabilities
- Built-in governor and AVR control
- Load switching (load shedding and dummy load control)
- Mains (utility) de-coupling protection
- Overload (kW & kV Ar) protection
- Generator power (kW, kV Ar, kV A & pf) monitoring
- Unbalanced load protection
- Fuel usage monitor and low fuel level protection
- User configurable RS232, RS485 and Ethernet communicationse
- MODBUS RTU & TCP support
- Remote SCADA monitoring via various DSE software applications
- Fully configurable using DSE Configuration Suite PC software via USB
- Advanced SMS control and fault messaging (additional GSM modem required)
- Advanced Internal PLC editor allows user configurable functions to meet specific application requirements.
- Sealed to IP65

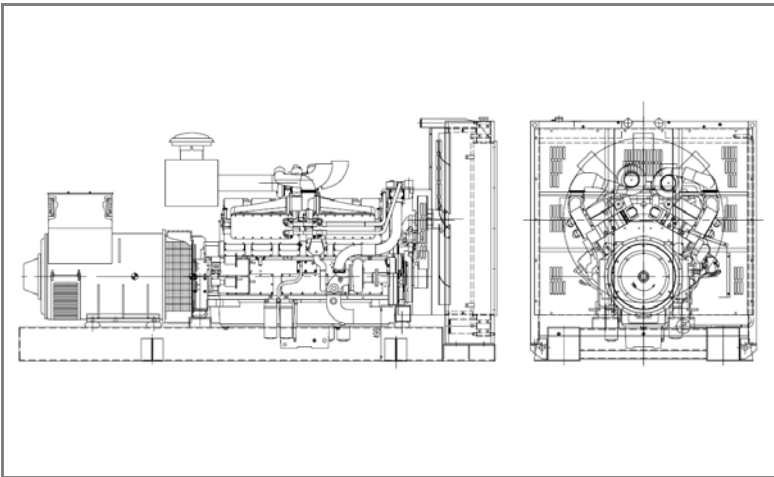




Optional parts

| Engine | Fuel System | Control System |
|-----------------------------|----------------------|-----------------------------|
| ● Heater | ● Daily Fuel Tank | ● Remote Control Panel |
| ● Battery Charger | ● Water Separator | ● Auto Transfer Switch |
| | ● Fuel Level Sensor | ● Paralleling System |
| Alternator | Others | Data |
| ● Anti Condensation Heater | ● Soundproof Type | ● Engine Parts Drawing List |
| ● Drop CT (For Paralleling) | ● Trailer Type | ● Spare parts |
| ● PMG | ● Containerized Type | |

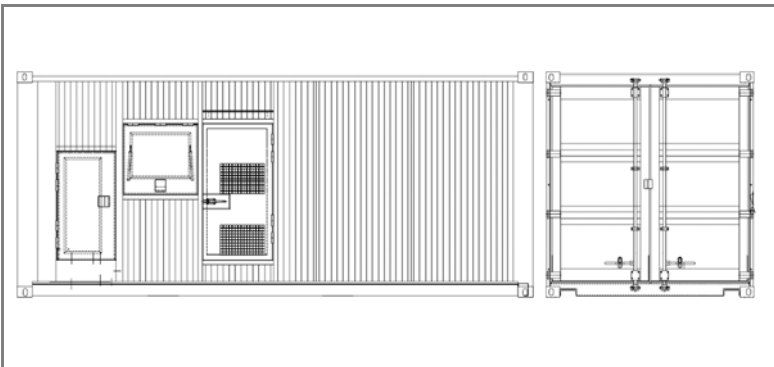
Dimension and Weight



Open Type Genset

Dimension: 5000×2200×2500 mm

Weight: 9600 kg



Soundproof Type Genset

Dimension: ISO 40'ft container

Weight: 15000 kg

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