

3 phase,60HZ@1800RPM

Prime power	KVA	110
	KW	88
Standy power	KVA	120
	KW	96
Voltage	V	440/254
Ampere	A	157.4



Notes:

- 1) Ambient condition: 1,000 m,25°C
- 2) Available in following voltages:220/127,208/120,416/240,440/254,460/266,480/277
- 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

- Engine (DCEC Cummins 6BT5.9-G2)
- Radiator 50°C max, fans are driven by belt, with safety guard
- Alternator: single bearing IP23, insulation class H/H)
- Main line circuit breaker
- Standard automatic control panel
- Batteries, rack and cable
- 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%	Warranty 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. Criterion ● Gneset 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	≤1.5%		
Frequency Waving	≤0.8%		
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	DA Stamford Type
Model	6BT5.9-G2		Model	UCI274C
Air Intake System	Turbo		Number of Phase	3
Fuel System	A/AD type fuel pump		Connecting Type	“Y” type connecting
Cylinder Arrangement	6 in line		Number of Bearing	1
Displacement	5.9L		Power Factor	0.8
Bore×Stroke	102*120 mm		Protection Grade	IP23
Compression Ratio	17.5:1		Altitude	≤ 1000m
Governor Type	Electronic		Exciter Type	Brushless, self-exciting
Frequency Regulation, Steady State:	≤ 1.5%		Insulation Class, Temperature Rise	H/H
Starting system	E		Alternator Capacity	117.5KVA
Battery voltage	12VDC		Telephone Influence Factor (TIF)	< 50
Fuel consumption(g/Kw.h)	110% load		THF	< 2%
	100% load	214	Voltage Regulation, Steady State	≤ ±1%
	75% load	216	Alternator Efficiencies	90.6%
	50% load	217	Air Cooling Flow	0.617m3/s

Exhaust System		Air Intake System	
Exhaust Gas Flow	18.5m3/min	Max Intake Restriction	6.35kPa
Exhaust Temperature	565°C	Burning Capacity	7.1m3/min
Max Back Pressure	10kPa	Intake Flow	174m3/min

Oil System		Cooling System	
Total Oil Capacity	16.4L	Total Coolant Capacity	27L
Oil Consumption	≤ 4g/kwh	Thermostat	82-95°C
Engine Oil Tank Capacity	14.2L	Max Water Temperature	104°C
Oil Pressure at Rated RPM	345kPa		



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

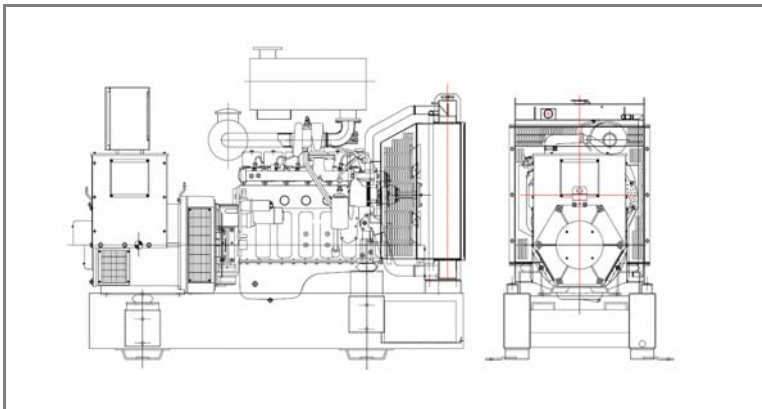




Optional parts

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	

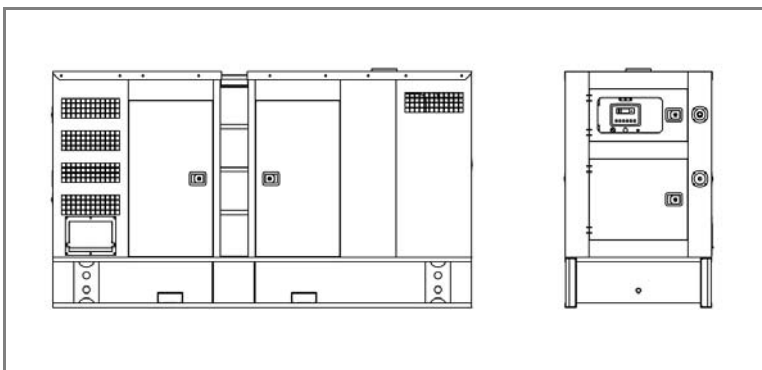
Dimension and Weight



Open Type Genset

Dimension: 2200×800×1530 mm

Weight: 1300 kg



Soundproof Type Genset

Dimension: 3000×1050×1740 mm

Weight: 1800 kg

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