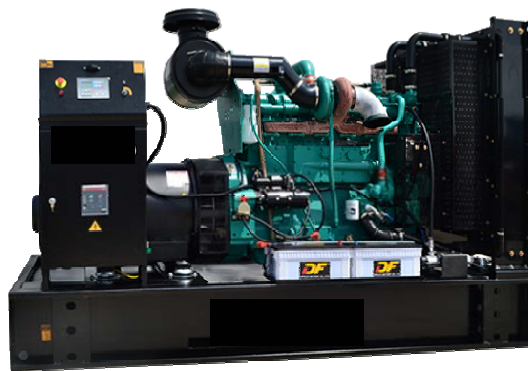




3 phase,60HZ@1800RPM

Prime power	KVA	N/A
	KW	N/A
Standby power	KVA	750
	KW	600
Voltage	V	440/254
Ampere	A	983.6



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

<ul style="list-style-type: none"> ● Engine (CCEC Cummins KTAA19-G6A) ● 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
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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.	
Sudden Voltage Warp (Sudden Increase)	≤-20%		
Voltage Stable Time (100% Sudden Reduce)	≤6S	Criterion ● Genset design comply to ISO8528/GB2820-97 ● Alternator design Compliance with GB755, BS5000, VDE0530, NEMAMG1-22, IED34-1, CSA22.2 and AS1359 standards	
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	KTAA19-G6A	Model	HCI 544E	
Air Intake System	Turbo, Air/Air cooling	Number of Phase	3	
Fuel System	PT type fuel pump, EFC	Connecting Type	“Y” type connecting	
Cylinder Arrangement	6 in line	Number of Bearing	1	
Displacement	18.9L	Power Factor	0.8	
BorexStroke	159*159 mm	Protection Grade	IP23	
Compression Ratio	13.0:1	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	769KVA	
Battery voltage	12VDC	Telephone Influence Factor (TIF)	<50	
Fuel consumption(Gl/h)		THF	<2%	
	100% load	36,9	Voltage Regulation, Steady State	≤±1%
	75% load	28,1	Alternator Efficiencies	94.6%
	50% load	19,3	Air Cooling Flow	1.035m ³ /s

Exhaust System		Air Intake System	
Exhaust Gas Flow	2093L/s	Max Intake Restriction	6.23kPa
Exhaust Temperature	670°C	Burning Capacity	768L/s
Max Back Pressure	10kPa	Intake Flow	12800L/s

Oil System		Cooling System	
Total Oil Capacity	50L	Total Coolant Capacity	116.5L
Oil Consumption	≤4g/kwh	Thermostat	82-93°C
Engine Oil Tank Capacity	38L	Max Water Temperature	104°C
Oil Pressure at Rated RPM	345-483kPa		

Control system

Deepsea brand DSE6020 (Standard)

Features:

- Auto start and Auto mains failure control to the genset
- Display of generator cumulated electric energy
- Using microprocessor as a core, graphics LCD with big screen and backlight
- PC and front panel configuration
- Built-in speed/frequency detecting units can accurately judge the states such as crank success and over speed
- Modular configuration design, inserted type connection terminals, flush type installation, compact structure, easy installation
- All parameters use digital modulation, abandoning analog modulation using conventional electronic potentiometer, reliability and stability are increased
- Built-in watch dog can never be dead halt, ensuring smooth program execution
- Analog oil pressure, water temperature, fuel level, battery voltage, engine speed
- 3 phase Generator protections:
 - Over-/under voltage
 - Over-/under frequency
 - Current/voltage asymmetry
 - Overcurrent/overload



- Security password-protected programming levels
- Generator measurements (50/60 Hz): U1-U3, I1-I3, Hz, kW, kVAr, kWh

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

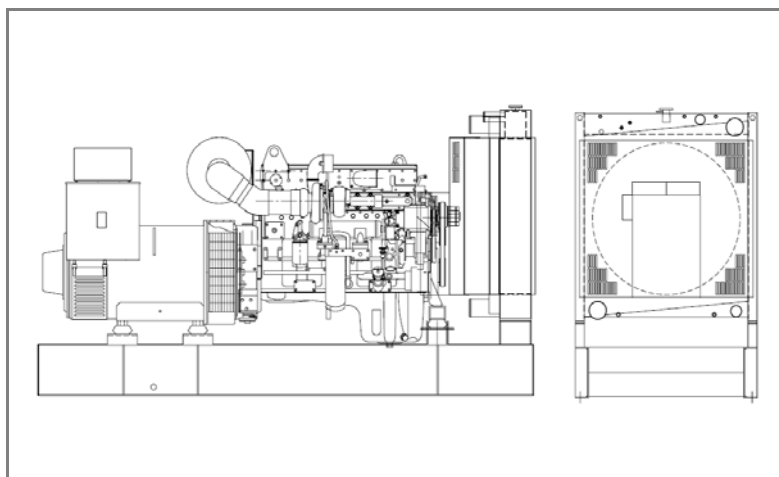




Optional parts

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	

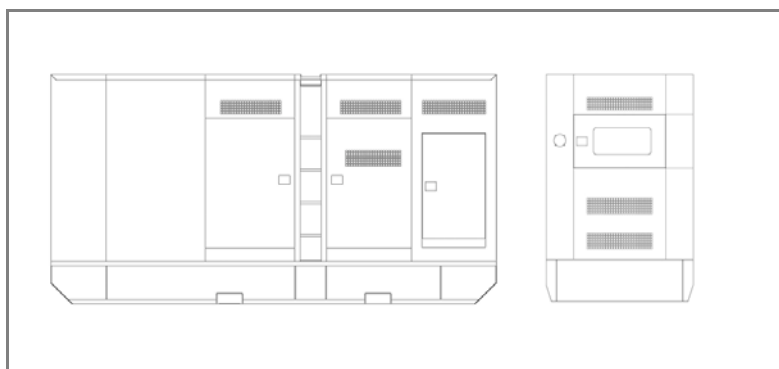
Dimension and Weight



Open Type Genset

Dimension: 3650×1638×2050 mm(With base fuel tank)

Weight: 4800 kg



Soundproof Type Genset

Dimension: 5030×1860×2550 mm

Weight: 6400 kg

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