



3 phase,60HZ@1800RPM

Prime power	KVA	130
	KW	104
Standy power	KVA	145
	KW	116
Voltage	V	440/254
Ampere	A	190.2



Notes:

- 1) Ambient condition: 1,000 m,25°C
- 2) Available in following voltages:220/127,208/120,416/240,440/254,460/266
- 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 6BTA5.9-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 ● 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		
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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	
Model	6BTA5.9-G2	Model	DAI270C	
Air Intake System	Turbo, Water/Air Cooling	Number of Phase	3	
Fuel System	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	
BorexStroke	102*120 mm	Protection Grade	IP23	
Compression Ratio	17.0:1	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	137.5KVA	
Battery voltage	12VDC	Telephone Influence Factor (TIF)	<50	
Fuel consumption(GL/h)		THF	<2%	
	100% load	8,1	Voltage Regulation, Steady State	≤±1%
	75% load	6	Alternator Efficiencies	90.8%
	50% load	4,2	Air Cooling Flow	0.617m3/s

Exhaust System		Air Intake System	
Exhaust Gas Flow	19.4m3/min	Max Intake Restriction	6.35kPa
Exhaust Temperature	570°C	Burning Capacity	9.1m3/min
Max Back Pressure	10kPa	Intake Flow	210m3/min

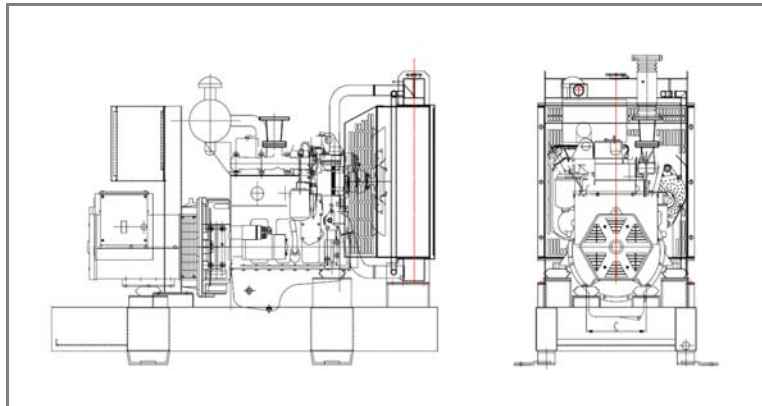
Oil System		Cooling System	
Total Oil Capacity	16.3L	Total Coolant Capacity	29L
Oil Consumption	≤4g/kwh	Thermostat	82-95°C
Engine Oil Tank Capacity	14.2L	Max Water Temperature	104°C
Oil Pressure at Rated RPM	345kPa		



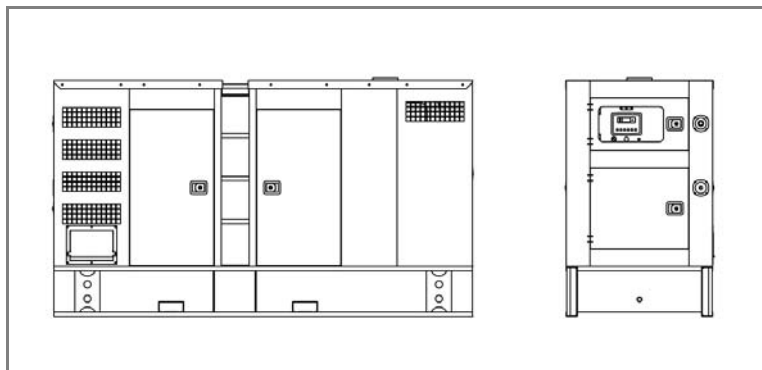
Optional parts

Engine	Fuel System	Control System
● Heater	● 60 GI 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: 2200x880x1530 mm
Weight: 1050 kg



Soundproof Type Genset
Dimension: 3000x1050x1740 mm
Weight: 1800 kg

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