

MODEL	P132C-60
Standby Power (60Hz)	132KW / 165KVA
Prime Power (60Hz)	120KW / 150KVA

### Standard Features

#### General Features:

- Engine (DCEC Cummins 6BTAA5.9-G2)
- Radiator 40°C max, fans are driven by belt, with safety guard
- 24V charge alternator
- Alternator (STAMFORD), single bearing alternator IP23, insulation class H/H
- Absorber
- Dry type air filter, fuel filter, oil filter
- Main line circuit breaker
- Standard control panel
- Two 12V batteries, rack and cable
- Ripple flex exhaust pipe, exhaust siphon, flange, muffler
- User manual

## Power World



### Generator Ratings

Voltage	HZ	Phase	P.F (COS $\phi$ )	Standby Amps	Standby Ratings (KW/KVA)	Prime Ratings (KW/KVA)
440/254	60	3	0.8	197	132/165	120/150

Prime Power 1800 (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820-97 (equiv 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.

### Sales Promises

PowerWorld provides a full line of brand new and high quality products. Each and every unit is strictly factory tested.

Warranty is according to our standard conditions: 24 months or 3,000 running hours, subject to the earlier one.

Service and parts are available from PowerWorld or distributors in your location.

### ENGINE DATA

Manufacturer / Model:	DCEC Cummins 6BTAA5.9-G2
Air Intake System:	Turbo, Air /Air Cooling
Fuel System:	PM type fuel pump
Cylinder Arrangement:	6 in line
Displacement:	5.9L
Bore and Stroke:	102×120 (mm)
Compression Ratio:	16.0:1
Rated RPM:	1800rpm
Max. Standby Power at Rated RPM:	130KW
Governor Type:	Electronic
Frequency Regulation, Steady State:	≤1.5%

#### Exhaust System

Exhaust Gas Flow:	22.3 m3/min
Exhaust Temperature:	550℃
Max Back Pressure:	10kPa

#### Air Intake System

Max Intake Restriction:	6.2kPa
Burning Capacity:	8.7 m3/min
Intake Flow:	210 m3/min

#### Fuel System

110%(Standby Power) Load:	30L/h
100%(Prime Power) Load:	27.4L/h
Total Fuel Flow:	L/h

#### Oil System

Total Oil Capacity:	16.4L
Oil Consumption:	≤4g/kwh
Engine Oil Tank Capacity:	14.3L
Oil Pressure at Rated RPM:	350kPa

#### Cooling System

Total Coolant Capacity:	26L
Thermostat:	82-93℃
Max Water Temperature:	100℃

#### Emissions

HC:  
NO<sub>x</sub>:  
CO:  
PM:  
SO<sub>2</sub>:

**ALTERNATOR SPECIFICATION****GENERAL DATA**

Compliance with GB755, BS5000, VDE0530, NEMAMG1-22, IED34-1, CSA22.2 and AS1359 standards.

**Alternator Data**

Manufacturer / Type:	STAMFORD
Number of Phase:	1
Connecting Type:	3 Phase and 4 Wires, "Y" type connecting
Number of Bearing:	1
Power Factor:	0.8
Protection Grade:	IP23
Altitude:	≤1000m
Exciter Type:	Brushless, self-exciting
Insulation Class, Temperature Rise:	H/H
Telephone Influence Factor (TIF):	<50
THF:	<2%
Voltage Regulation, Steady State:	±1%
Alternator Capacity:	140KVA
Alternator Efficiencies:	91.7%
Air Cooling Flow:	0.514m³/s

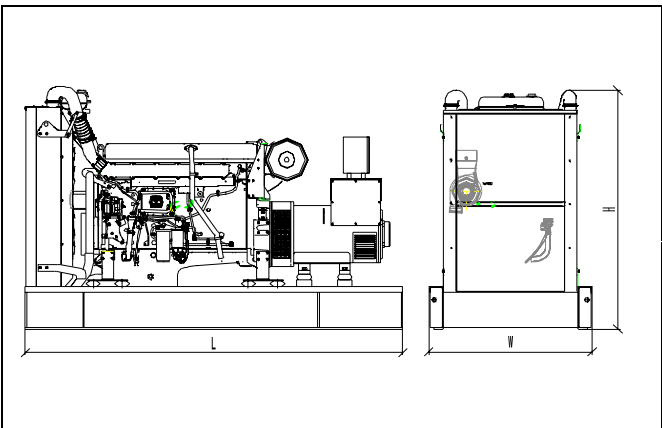
**GENERATING SET DATA**

Voltage Regulation:	±5%
Voltage Regulation, Stead State:	±1%
Sudden Voltage Warp (100% Sudden Reduce):	+25%
Sudden Voltage Warp (Sudden Increase):	-20%
Voltage Stable Time (100% Sudden Reduce):	≤6S
Voltage Stable Time (Sudden Increase):	≤6S
Frequency Reduce:	≤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
Noise Level:	dB
Emission Level:	Euro I

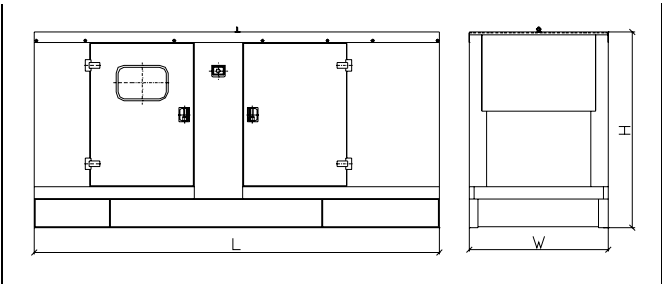
Options

Engine	Fuel System	Control System
<ul style="list-style-type: none"><li>● Heater</li><li>● Battery Charger</li></ul>	<ul style="list-style-type: none"><li>● Daily Fuel Tank</li><li>● Base Fuel Tank</li><li>● Water Separator</li></ul>	<ul style="list-style-type: none"><li>● Auto Control Panel</li><li>● Remote Control Panel</li><li>● Auto Transfer Switch (ATS) Control Panel</li><li>● Paralleling System</li><li>● Electricity Output Cabinet</li></ul>
Alternator	Others	Data
<ul style="list-style-type: none"><li>● Anti Condensation Heater</li><li>● Permanent Magnet Generator (PMG)</li><li>● Drop CT (For Paralleling)</li></ul>	<ul style="list-style-type: none"><li>● Rainproof Type</li><li>● Soundproof Type</li><li>● Trailer Type</li></ul>	<ul style="list-style-type: none"><li>● Engine Parts Drawing List</li><li>● Spare Parts</li></ul>

Dimension & Weight



Standard Configuration (Open Type)
Overall Size: 2230 (mm) × 830 (mm) × 1520 (mm)
Weight: 1550kg



Soundproof Type
Overall Size: 3230 (mm) × 1140 (mm) × 1750 (mm)
Weight: 2000kg

### Standard Control Panel



**PowerWorld Standard Control Panel** is the basic configuration for normal operation and usage, it is of some advantages such as easy to operate, various function and well protection. Operative buttons such as Turn On, Per-heat, Starting, Stop (Emergency Stop) on the panel. While malfunction occurs, control panel will stop the generator and also alarm with light or buzz.

### Auto Module Control Panel



**Automatic Control Panel** is the basic configuration for nobody on duty controlling generators. This kind of panel can accept the remote start/stop signals. (Controlled by ATS)

Features: adopted Czech Comap Brand auto control system, with large LCD display in English (or Chinese) to show the menu. With Auto Control Panel, generator are of various functions such as auto/manual stop (emergency stop), programmable plugs for input and output, detected data, symbols, diagram will show in the LCD, etc.

### Auto Remote Control Panel



**Automatic Remote Control Panel** is based on the Auto Control Panel and add the standard communication plugs: RS-232 (Modbus Communication Agreement). With Auto Remote Control Panel, it can realize remote control, remote detective, remote report by user using communicative net or center inspect and control system.