

## Land Based Genset- WPG15 Series



### Gen-Set Specifications

Genset Model		WPG15*16		
Power Factor		0.8-3 phase, 1.0-single phase		
Frequency	Standby Rating		Prime Rating	
	kVA	kW	kVA	kW
60Hz	19	15	18	14
B-Series	Standard		≤102 dB (A)	
F-Series	With base fuel tank		≤102 dB (A)	
L-Series	With base fuel tank and soundproof enclosure		≤75 dB (A) @7m	
T-Series	Trailer type		≤75 dB (A) @7 m	

### Standard Features

- ◆ Mechanical/Electronic governor
- ◆ DC12 Electric starter
- ◆ Deep-sea 7320
- ◆ Closed water-cooled
- ◆ IP21/IP23
- ◆ H type insulation
- ◆ Air filter, muffler
- ◆ Shutoff solenoid
- ◆ Circuit Breaker
- ◆ Starting batteries (maintenance-Free) with connective wires
- ◆ Battery Charger
- ◆ Oil Drain Valve
- ◆ Forklift Groove
- ◆ Shock Absorber
- ◆ Color: Weichai blue (B,F)/beige canopy and black chassis (L)
- ◆ Documents
- ◆ Packaging: wooden packing case(B,F)/simple packing case (L)

### Options

- ◇ Automatic Main Failure(AMF)
- ◇ Automatic Transfer Switch(ATS)
- ◇ paralleling system
- ◇ External fuel tank(1000L/1500L)
- ◇ Engine Heater (water & oil heater)
- ◇ Spare Parts/ Special tool

## Engine Specifications

Engine Make & Model	Weichai WP2.1D21E2				
Design	4 cycle, in-line, natural aspiration				
Rated Speed	1800 rpm				
Prime Power	21 kW				
Standby Power	23.1 kW				
Bore & Stroke	85x92 mm				
Displacement	2.1 L				
Cylinder Number	4				
Battery Capacity	45A.h				
Starting Method	12V electric starter and battery charging alternator				
Fuel system	Direct injection				
Fuel consumption (l/hr)					
	Prime	110% Load	100% Load	75% Load	50% Load
	21kW	6.1	5.6	4.2	3.1
Air Cleaner Type	Dry replaceable element with restriction indicator				
Lube Oil Filter Type	Spin on full flow filter				
Volume of oil pan (L)	9				
Standard cooling system	45°C ambient radiator				
Coolant capacity(L)	11.5				

## Alternator Specifications

Alternator Make	Stamford/Marathon/Xingnuo
Alternator Model	PI044G/GM-16-4/XN164D
Design	Brushless single bearing, revolving field
Stator	2/3 pitch
Rotor	Single bearing, flexible disc
Exciter Type	Self Excited
Insulation System	Class H
Protection	IP23/ IP21/ IP21
Winding Way	12
Voltage Regulation	±1%

## Control Module Specifications

### The DSE7320 is an Auto Mains Failure Control Module

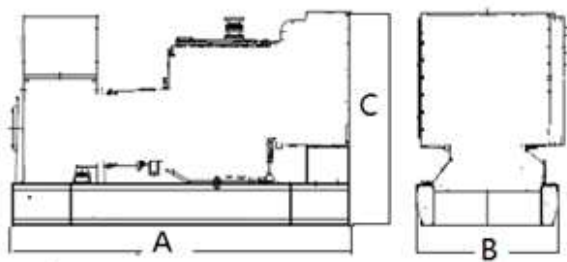
- ◆ Back-lit LCD display
- ◆ 3 Phase generator and 3 Phase Mains monitoring
- ◆ Monitoring speed, frequency, voltage, current, oil pressure, coolant temperature and fuel level
- ◆ Display warning, shutdown and engine status information
- ◆ Hours counter provides accurate information for monitoring and maintenance



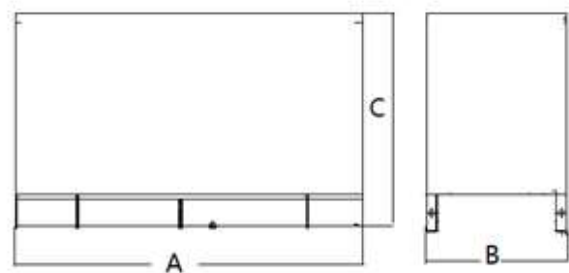
## Dimensions

	Length	Width	Height	Weight
<b>DIMENSIONS</b>	1900 mm	820 mm	1160 mm	910 kg

Open gen-set



Enclosed gen-set



## Remarks

**Prime Rating:** These ratings are applicable for supplying continuous electrical power (at variable load) in the lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

**Standby Rating:** These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous tested (as defined in ISO 8528-3).

### Standard Reference Conditions

Note: Standard reference conditions 25°C(77°F) Air Inlet Temp, 100m(328 ft) A.S.L. 30% relative humidity. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, Class A2.

## Sales Promises

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

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

Distributed By:  
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Manufacturer: Weichai Power Co., Ltd  
Address: 197 A, Fushou East Street, High-Tech  
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