

Land Based Genset- WPG110 Series



Gen-Set Specifications

Series	Genset Model	Type of genset	Noise level
F-Series	WPG110F1	With base fuel tank	100 ± 3 dB (A) @7m
L-Series	WPG110L1	With base fuel tank and soundproof enclosure	70 ± 3 dB (A) @7m
Frequency	50Hz		
Fuel	Diesel		
Emission	Euro II		

Power Factor	Rating Range			
	Standby Rating		Prime Rating	
0.8-3 phase, 1.0-single phase	kVA	kW	kVA	kW
	110	88	100	80

Standard Features

◆Electronic governor	◆DC24 Electric starter	◆ WHC6120CAN
◆ Closed water-cooled	◆ IP23/IP21	◆H type insulation
◆ Air filter, muffler	◆ Spare Parts	◆ 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: packing case(B,F)		

Options

◇Automatic Main Failure(AMF)	◇Automatic Transfer Switch(ATS)	◇Automatic paralleling system
◇External fuel tank	◇Engine Heater (water & oil heater)	◇Special tool

Engine Specifications

Engine Make & Model		Baudouin 4M10G120/5		
Design	4 cycle, in-line, Turbocharged and intercooled			
Rated Speed	1500 rpm			
Prime Power	98kW			
Standby Power	108kW			
Bore & Stroke	105x130mm			
Displacement	4.5L			
Cylinder Number	4			
Battery Capacity	2X36A.h			
Starting Method	24V electric starter and battery charging alternator			
Fuel system	Direct injection			
Fuel consumption (l/hr)				
Prime	110% Load	100% Load	75% Load	50% Load
98kW	26	23.2	17.4	11.9
Air Cleaner Type	Dry replaceable element with restriction indicator			
Lube Oil Filter Type	Spin on full flow filter			
Volume of oil pan (L)	13			
Standard cooling system	50°C ambient radiators			
Coolant capacity(L)	14.8			

Alternator Specifications

Alternator Make & Model		Weichai WHA-100-4/0.4		
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			
Winding Way	12			
Voltage Regulation	≤±1%			

Control Module Specifications

The Weichai Controller WHC6120CAN is an Auto Mains Failure Control Module

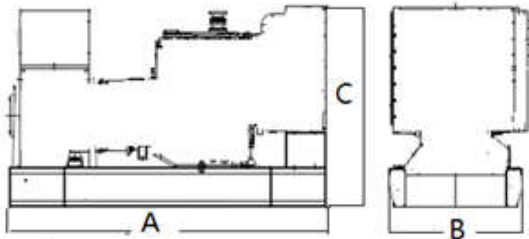
- ◆ Back-lit LCD display, IP65, RS485 connection, USB connection interface
- ◆ 3 Phase generator and 3 Phase Mains monitoring
- ◆ Monitoring speed, frequency, voltage, current, oil pressure, coolant temperature and fuel level
- ◆ Display warning, shutdown and engine status information
- ◆ Hours counter provides accurate information for monitoring and maintenance



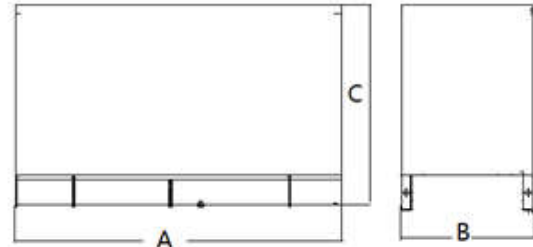
Dimensions and Weight

	Length	Width	Height	Weight	Standard Fuel tank
F-Series	2100 mm	965 mm	1450 mm	1300 kg	100 L
L-Series	2880 mm	1050 mm	1730 mm	1770 kg	180 L

Open gen-set



Enclosed gen-set



Data and specifications are subject to change without notice.

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.

Warranty time: 1、 2 years or 4000 hours from the sales date of the agent; 2、 3 years from the factory date. First come, first served.

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

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