



# **Guangdong Westinpower Co., Ltd**

## **RP120XL**

### Gas Generator Set Data Sheet



## RP-XL Series GAS Generator Set

Model: RP120XL

### Main Data

Rated Power: 120kVA/96kW  
 Speed/Frequency: 1800rpm/60Hz  
 Voltage classes: 380V  
 Power factor: 0.8  
 Rated current: 182A  
 Starting mode: 12V/DC electrical starting  
 Steady voltage regulation:  $\leq \pm 1\%$   
 Transient voltage regulation:  $-15\% \leq \delta u \leq +20\%$   
 Voltage regulation range:  $\pm 5\%$   
 Voltage wave motion rate:  $\leq \pm 1\%$   
 Voltage recovery time:  $\leq 4s$   
 Steady frequency regulation:  $\leq \pm 0.5\%$   
 Transient frequency regulation:  $-15\% \leq \delta f \leq +10\%$   
 Frequency fluctuation rate:  $\leq \pm 0.5\%$   
 Frequency steady time:  $\leq 3s$



### Weight and Dimensions

	Dimensions l×w×h(mm)	Weight (Kg)
Open Type:		
Silent Type:	3686*1256*2068	

### Operating environment

Environment temperature	$\leq 40^{\circ}\text{C}$
Altitude	$\leq 1000\text{m}$
Relative humidity	$\leq 90\%$

Note: 1. When the environment temperature is higher than  $40^{\circ}\text{C}$  or the altitude is more than 1000 meters, power will fall, need to correct.

### Introduction

- Fuel requirements: Technical data is based on a calorific fuel value of 10 kWh/Nm<sup>3</sup> for Natural gas;
- Manufacturing standards: ISO8528-5、GB/T2820.5-2009、GB/T22343-2008;
- Every the response ability of static, dynamic test, all the protection device and control system are pass strict inspection before they leave factory. gas gensets have been pass the test under the load of 0%、25%、50%、75%、100%

## Westinpower Gas Engine

**Model: XD8.3H-LPG145**

### Main Data

Manufacturer: Westinpower  
Air intake way: Air-to-air cooling  
Cooling way: Closed cooling cycle  
Cylinder : 6  
Arrangement pattern:upright  
Motion pattern:four-stroke  
Displacement: 8.3L  
Bore: 114mm  
Stroke: 135mm  
Compression ratio: 8.9: 1  
Rated RPM @60Hz: 1800rpm  
Max engine power @60Hz: 145kW  
Friction power: 12.6kW  
Piston speed: 6.8m/s  
Crankshaft rotation direction:anticlockwise  
Weight: 650kg

### Lubrication system

Total oil capacity: 23.8L  
Max allowable oil temperature : 121°C

### Fuel system

Fuel type: LPG  
Max gas inlet pressure: 0.6kpa (before mixer)  
Gas consumption:  $\leq 210$  g/kW.h

### Intake system

Intake valve clearance:0.3mm  
Exhaust valve clearance:0.61mm  
Max intake resistance (Clean filter) : 6.2Kpa

### Exhaust system

Exhaust temperature:  $\leq 580^{\circ}\text{C}$   
Max exhaust back pressure: 10.1Kpa  
Exhaust valve clearance: 0.61mm

### Cooling system

Engine coolant capacity : 11.1L  
Max coolant temperature:  $104^{\circ}\text{C}$   
Thermostat adjustment range: $82\sim 93^{\circ}\text{C}$   
Coolant flow:3.3L/s

## Westinpower Gas Engine Features

- The important parts Choose the well-known brands in the world classic..
- Engine safety and protection, intelligent fault diagnosis and so on makes high reliability and high security.
- Low consumption ,low noise Energy conservation and environment protection.

Note: We will separately provided if you need the more parameter.

## Leroy Somer Generator

Model: LSA 44.3 M8

### Main Data

Manufacturer:	Leroy Somer
Rated power:	122kVA/98kW
Voltage classes:	380V
Phase :	3
Power factor:	0.8
Excitation system:	SHUNT
AVR:	R250
Rated ambient temperature:	40°C
Packing crate size:	828 x 572 x 649(mm)
Weight:	398kg

### Performance data

Bearing number:	1
Pitch:	2/3
Winding leads:	12
Insulation class:	H
Temperature rise:	F
Protection:	IP23
Altitude:	≤1000m
Over speed:	2250rpm
THD:	<2% (no load)
TIF:	<50

Note: We will separately provided if you need the more parameter.

## Control Panel

Model: DSE8610



### Controller introduction

Continuous voltage rating: 5V to 35V  
 Maximum operating current: 530mA at 12V  
 Maximum standby current: 320mA at 12V  
 Charge fail range: 0V to 35V  
 Panel cut-out: 220 × 160mm  
 Dimension: 245 × 184 × 51mm  
 Maximum panel thickness: 8mm  
 Analogue inputs A to D  
 Configurable as:  
 Negative switching digital input  
 0V to 10V sensor  
 4mA to 20mA sensor  
 0 Ω to 480 Ω sensor

## Standard configuration accessories

### Fittings

- gas filter ※
- air filter ※
- oil filter ※
- battery、 battery cable
- outlet cabinet
- Industrial muffler
- bellows
- exhaust flange

- bend
- shock absorber

### Data

- test report
- electrical schematic diagram
- instruction manual
- certification
- warranty card

Note: With ※ Is mounted on the set (the gas used for gas cooker,not equip wiht gas filter)

## Optional accessories

- ☐ residential muffler
- ☐ exhaust pipe
- ☐ power cable
- ☒ battery charger
- ☒ maintenance-free storage battery
- ☐ space heater
- ☐ jacket heater
- ☐ oil heater
- ☐ ATS
- ☐ parallel operation
- ☐ grid Connection

- ☐ silent type generator set
- ☐ silent container genset

### Spare

- ☐ gas filter
- ☐ air filter
- ☐ oil filter
- ☐ sparking plug

### Other

- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_

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