



# **Guangdong Westinpower Co., Ltd**

## **RP170XL**

### Gas Generator Set Data Sheet



## RP-XL Series GAS Generator Set

Model: RP170XL

### Main Data

Rated Power: 170kVA/136kW

Speed/Frequency: 1800rpm/60Hz

Voltage classes: 380/220V

Power factor: 0.8

Rated current: 258A

Starting mode: 24V/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.

2. Humidity is too large, need to make corresponding

### Introduction

- Fuel requirements: Technical data is based on a calorific fuel value of 46.4MJ/kg for LPG;
- 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: XD9.5H-LPG180

### Main Data

Manufacturer: Westinpower  
Air intake way: Turbocharged, air-to-air cold  
Cooling way: Closed cooling cycle  
Cylinder /Arrangement: 6/L  
Displacement: 9.5 L  
Bore: 116.8mm  
Stroke: 148mm  
Compression ratio: 9.5:1  
Rated RPM @60Hz: 1800rpm  
Max. continuous power @60Hz: 180kW  
Crankshaft rotation direction: anticlockwise  
Weight: 790kg  
Piston speed: 8.7m/s  
Steady speed fluctuation rate:  $\pm 0.25\%$

### Lubrication system

Total oil capacity: 27.6L  
Max allowable oil temperature: 124°C  
Oil pressure (rated speed) : 276~414kPa

### Fuel system

Fuel type: LPG  
Gas inlet pressure: 1Kpa before mixer  
Gas consumption:  $\leq 203\text{g/kW.h}$

### Intake system

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

### Exhaust system

Supercharger outlet pressure:  $\leq 200\text{kPa}$   
Exhaust temperature: 580°C  
Max exhaust back pressure: 10kPa

### Cooling system

Thermostat adjustment range: 82~93°C  
Maximum coolant temperature: 104°C  
Coolant capacity (engine only): 11.1L

## Westinpower Gas Engine Features

- Mixer: Best air-fuel ratio adjustment, burn more fully.
- High energy and single cylinder ignition technology, Integrated prevent tempering device, The technology of supercharge and inter-cooling and lean-burn
- Low consumption, low noise Energy conservation and environment protection.

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

## Leroy Somer Generator

Model: LSA44.3 VL13

### Main Data

Manufacturer:	Leroy Somer
Rated power:	191kVA/152kW
Voltage classes:	380/220V
Phase :	3
Power factor:	0.8
Excitation way:	AREP
AVR Type:	D350
Rated ambient temperature:	40°C
Packing crate size:	953 x 572 x 648.6(mm)
Weight:	554kg

### Performance data

Bearing number:	1
Poles:	4
Number of wires:	6
Insulation class:	H
Temperature rise:	F
Protection:	IP23
Altitude:	≤1000m
Overspeed:	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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