



Guangdong Westinpower Co., Ltd

RP80XL

Gas Generator Set Data Sheet



RP-XL Series GAS Generator Set

Model: RP80XL

Main Data

Rated Power: 80kVA/64kW
 Speed/Frequency: 1800rpm/60Hz
 Voltage classes: 380V
 Power factor: 0.8
 Rated current: 121A
 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:	3436*1106*1968	

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°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/Nm³ 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: XD5.9H-LPG90

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: 5.9 L
Bore: 102mm
Stroke: 120mm
Compression ratio: 8.9: 1
Rated RPM @60Hz: 1800rpm
Max engine power @60Hz: 90kW
Crankshaft rotation direction:anticlockwise
Weight: 420kg
Flywheel : SAE3
Flywheel housing: SAE11.5#

Lubrication system

Total oil capacity: 16.4L
Max allowable oil temperature : 121°C

Fuel system

Fuel type: LPG
Max gas inlet pressure: 0.5kpa (before mixer)
Gas consumption: ≤210 g/kW.h

Intake system

Intake valve clearance:0.3mm
Exhaust valve clearance:0.61mm
Max intake resistance (Clean filter) : 4Kpa

Exhaust system

Exhaust temperature: ≤580°C
Max exhaust back pressure: 10Kpa
Exhaust valve clearance: 0.61mm

Cooling system

Engine coolant capacity : 10L
Max coolant temperature: 100°C
Thermostat adjustment range:82~95°C
Coolant flow:2.0L/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 S4

Main Data

Manufacturer:	Leroy Somer
Rated power:	113kVA/90kW
Voltage classes:	380V
Phase :	3
Power factor:	0.8
Excitation system:	SHUNT
AVR:	R250
Rated ambient temperature:	40°C
Packing crate size:	758 x 572 x 649(mm)
Weight:	332kg

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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