

Guangdong Westinpower Co., Ltd

RB150XL Gas Generator Set Data Sheet





RB-XL Series GAS Generator

Type: RB150XL

Main Data

Rated Power: 150kVA/120kW

Speed/Frequency: 1500 rpm /50Hz

Voltage classes: 400/230V

Power factor: 0.8

Rated current: 216.5A

Starting mode: 24V/DC electrical starting

Steady voltage regulation ≤±1%

Transient voltage regulation: - 15%≤δu+20%

Voltage regulation range ±5%

Voltage wave motion rate $\leq \pm 1\%$

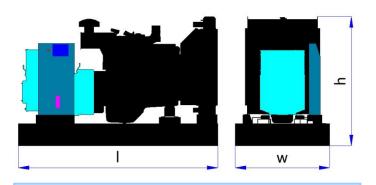
Voltage recovery time ≤4S

Steady frequency regulation ≤±0.5%

Transient frequency regulation - 15%≤δf+10%

Frequency fluctuation rate $\leq \pm 0.5\%$

Frequency steady time ≤3s



Weight and Dimensions

Dimensions Weight

l×w×h(mm)

(Kg)

Open Type:

Silent Type: 3686*1256*2068

Operating environment

Environment temperature ≤40°C

Altitude ≤1000m

Relative humidity ≤90%

Note:1. When the environment temperature is higher than 40 $^{\circ}$ 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 10 kWh/Nm3 for natural gas;
- Manufacturing standards: ISO8528-5、GB/T2820.5-2009、 GB/T22343-2008;
- Every gas gensets have been pass the test under the load of 0%, 25%, 50%, 75%, 100% and
 the response ability of static, dynamic test, all the protection device and control system are
 pass strict inspection before they leave factory.



Westinpower Gas Engine

Type: XD8.9G-MG160

Main Data

Manufacturer: Westinpower

Air intake way: Turbocharged - Intercooled

Cooling way: Closed cooling cycle

Cylinder / Arrangement: 6/L

Displacement: 8.9L

Bore: 114mm

Stroke: 145mm

Compression ratio: 10.5:1

Rated RPM @50Hz: 1500rpm

Max. rated power @50Hz: 160KW

Governor: Electronic

Ignition sequence: 1-5-3-6-2-4

Weight: 650kg

Lubrication system

Oil temperature :121°C

Total oil capacity: 27.6L

Oil pressure: 276 ~ 414Kpa

Gas system

Gas type: Bio gas

Gas supply pressure: ≥15kPa

main composition: ≥55%

Gas consumption: ≤0.56Nm³/h

Air intake system

Intake flow rate: 620Nm³/h

Exhaust system

Exhaust valve clearance: 0.61mm

Exhaust temperature: ≤580°C

Max back pressure: 10.1kPa

Cooling system

Radiator capacity: 11.1L (engine only)

Thermostat: 82-93°C

Outlet water temperature: 93°C

Max coolant water temperature: 104°C

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

Type: LSA44.3 L12

Main Date

Manufacturer: Leroy Somer

Rated power: 150kVA/120kW

Voltage classes: 400/230V

Phase: 3

Power factor: 0.8

Excitation way: AREP

AVR Type: D550

Rated ambient temperature: 40°C

Packing crate size: 123X67X103 cm

Weight: 492kg

Performance data

Bearing number: 1

Poles: 4

Insulation class:

Temperature rise: F

Protection: IP23

Altitude: ≤1000m

Overspeed: 2250rpm

Air flow: $0.25 \text{m}^3/\text{s}$

THF: <2% (no load)

TIF: <50

Control Panel



Controller introduction

Continuous voltage rating:5Vto35V

Maximum operating current: 530mA at12V Maximum standby current: 320mA at12V

Type: DSE8610

Charge fail range: 0Vto35V
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 10Vsensor 4mA to 20mA sensor 0 Ω to 480 Ω sensor



Standard configuration accessories

Fittings

- shock absorber
- air filter ※
- oil filter ※
- battery battery cable
- outlet cabinet
- Industrial muffler
- bellows
- exhaust flange

■gas filter ※

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 ☐ silent type generator set □ exhaust pipe ☐ silent container genset ☐ power cable **Spare** ✓ battery charger □ gas filter maintenance-free storage battery □ air filter □ oil filter □ space heater ☐ jacket heater □ sparking plug Other □ oil heater ☐ ATS □ parallel operation ☐ grid Connection

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