

Guangdong Westinpower Co., Ltd

RP120XLGas 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: ≤±1%

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

Voltage regulation range: ±5%

Voltage wave motion rate: ≤±1%

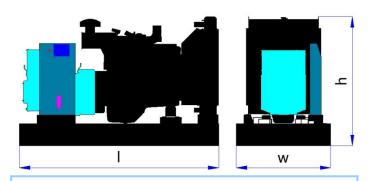
Voltage recovery time: ≤4s

Steady frequency regulation: ≤±0.5%

Transient frequency regulation: - 15%≤δf≤+10%

Frequency fluctuation rate: ≤±0.5%

Frequency steady time: ≤3s



Weight and Dimensions

Dimensions Weight I×w×h(mm) (Kg)

Open Type:

Silent Type: 3686*1256*2068

Operating

environment

Environment temperature ≤40°C

Altitude ≤1000m

Relative humidity ≤90%

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: 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: ≤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: ≤580°C

Max exhaust back pressure: 10.1Kpa

Exhaust valve clearance: 0.61mm

Cooling system

Engine coolant capacity: 11.1L

Max coolant temperature: 104°C

Thermostat adjustment range:82~93°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:5Vto35V

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

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 0Ω to 480Ω 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	☐ silent type generator set
□ exhaust pipe	☐ silent container genset
□ power cable	Spare
✓ battery charger	☐ gas filter
✓ maintenance-free storage battery	□ air filter
□ space heater	□ oil filter
□ jacket heater	☐ sparking plug
□ oil heater	Other
□ ATS	
□ parallel operation	
☐ grid Connection	

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