

Guangdong Westinpower Co., Ltd

RN510PT

Gas Generator Set Data Sheet







RN-PT Series GAS Generator Set

Mode: RN510PT

Main Data

Rated Power: 510kVA/408kW

Speed/Frequency: 1500rpm/50Hz

Voltage classes: 400/230V

Power factor: 0.8

Rated current: 736A

Starting mode: 24V/DC electrical starting

Steady voltage regulation: ≤±1%

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

Voltage regulation range: ±5%

Voltage wave motion rate: ≤±1%

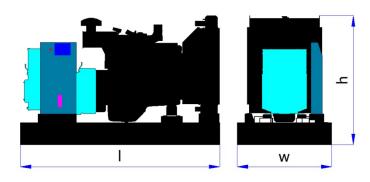
Voltage recovery time: ≤4s

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: 3780*1720*2220

5138

Silent Type:

Operating environment

Environment temperature ≤40°C

Altitude ≤1000m

≤90% Relative humidity

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.

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

Model: 4006-E23TRS4

Main Data

Manufacturer: Perkins

Air intake way: Turbo Charge Air Cooled

Cooling way: Closed cooling cycle

Cylinder / Arrangement: 6/L

Displacement: 22.921L

Bore: 160mm

Stroke: 190mm

Compression ratio: 14.0: 1

Rated RPM @50Hz: 1500rpm

Max. standby power @50Hz: 447kW

Governor: Electronic

Dimension(I×w×h): 2092*1204*1624mm

Weight: 2459kg

Lubrication system

Maximum to bearings: 105°C

Total oil capacity: 122.7L

Oil pump: Gear driven

Fuel system

Fuel type: Natural Gas

Fuel supply pressure: 7~28kPa

Lower calorific value: 34.71 MJ/Sm3

Density: 0.76 kg/Sm3

Air intake system

Engine air flow: 22m³/min

Exhaust system

Exhaust gas flow: 57.72 m³/min

Exhaust temperature: 453°C

Max back pressure: 6KPa

Cooling system

Coolant capacity: 34liters

Coolant entry temperature (maximum) 88°C

Coolant exit temperature (maximum) 96°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.



STAMFORD

Model: S5L1D-D41

Main Data

Manufacturer: STAMFORD

Rated power: 550kVA/440kW

Voltage classes: 400/230V

Phase: 3

Power factor: 0.8

Excitation way: SELF EXCITED

AVR Type: AS440

Rated ambient temperature : 40 ℃

Performance data

Bearing number: 1

Poles: 4

Insulation class: H

Temperature rise:

Protection: IP23

Altitude : ≤1000m

Overspeed: 2250rpm

THD: <5%

THF: <2%

TIF: <50

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

Control Panel

Model: easYgen-1800



Controller introduction

Operating voltage:12/24V

Operating current:12V 380mA

24V 188mA

Operating temperature:-25°C~70°C

Relative humidity: (20-93) %RH

IP Rating: front IP65

back IP20

Mounting-hole Size: 214×160mm

Net: 0.85kg



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

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	

Westinpower reserves the right to modify any of specification indicated on this catalog without prior notice. Content for more, please visit: http://www.westinpower.com

Tel: 0754-83583200

Fax: 0754-88177099

overseas@westinpower.com