



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: $\leq \pm 1\%$
 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:	3780*1720*2220	5138
Silent Type:		

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.
 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(l×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°C

Performance data

Bearing number : 1
 Poles : 4
 Insulation class : H
 Temperature rise : H
 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

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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