



Guangdong Westinpower Co., Ltd

RN625PT

Gas Generator Set Data Sheet

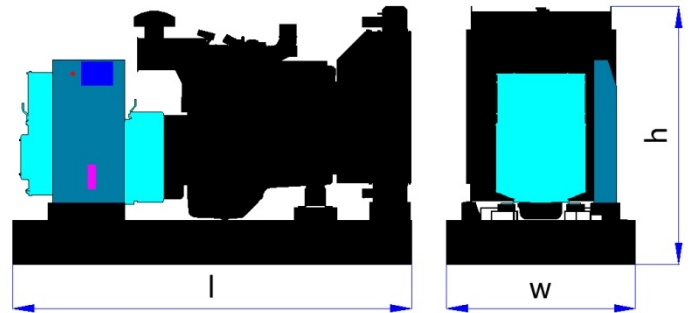


RN-PT Series GAS Generator Set

Mode: RN625PT

Main Data

Rated Power: 625kVA/500kW
 Speed/Frequency: 1500rpm/50Hz
 Voltage classes: 400/230V
 Power factor: 0.8
 Rated current: 902A
 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: | 5225*2352*2223 | 5538 |
| 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: 4008-30TRS2

Main Data

Manufacturer: Perkins
Air intake way: Turbo Charge Air Cooled
Cooling way: Closed cooling cycle
Cylinder /Arrangement: 8/L
Displacement: 30.56L
Bore: 160mm
Stroke: 190mm
Compression ratio: 12.0: 1
Rated RPM @50Hz: 1500rpm
Max. standby power @50Hz: 526KW
Governor: Electronic
Dimension(l×w×h): 2658*1633*1671mm
Weight: 3350kg

Lubrication system

Oil consumption @100%load: ≤0.14g/KW hr
Total oil capacity: 165.6L
Brake pressure pressure: 1370kPa

Fuel system

Fuel type: Natural Gas
Fuel supply pressure: 20~50kPa
main composition: ≥55%
Baseload rating: 2.50kJ / kW s

Air intake system

Engine air flow: 2366m³/hr

Exhaust system

Exhaust gas flow: 6215 m³/hr
Exhaust temperature: 485±25°C
Max back pressure: 10KPa

Cooling system

Coolant capacity: 48liters
Thermostat: 83-95°C
Max water temperature: 100°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-F41

Main Data

| | |
|-----------------------------|--------------|
| Manufacturer: | STAMFORD |
| Rated power: | 670kVA/536kW |
| 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

- _____
- _____
- _____

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](http://www.westinpower.com)

Tel : 0754-83583200
Fax: 0754-88177099
overseas@westinpower.com