

Gas Genset Introduction and Checking List

Tianjin Sinogas Repower Energy Co .,Ltd

From 300 Kw to 4800 Kw

<http://www.repowergas.com/>



- 01** Brief introduction
- 02** On-site service
- 03** Previous projects
- 04** Checking list

01 Brief introduction

Our generator is mainly used in oil truck-mounted drilling rigs, power station, factory, engineering machines.

We can also provide package solution for natural gas power plant, biogas power plant, coal mine gas power plant CHP system and CCHP system.

Our 500kw and 1200kw series have been put on the market nearly one thousand units and has proved their high performance, good control and reliability.

We have settled service center in South America and some other country in order to provide better service.

Wish to cooperate with you.

What we can do?

Gas Generator Supply
300-4800 kw



Package Solution for
Power Plant



Modern workshop



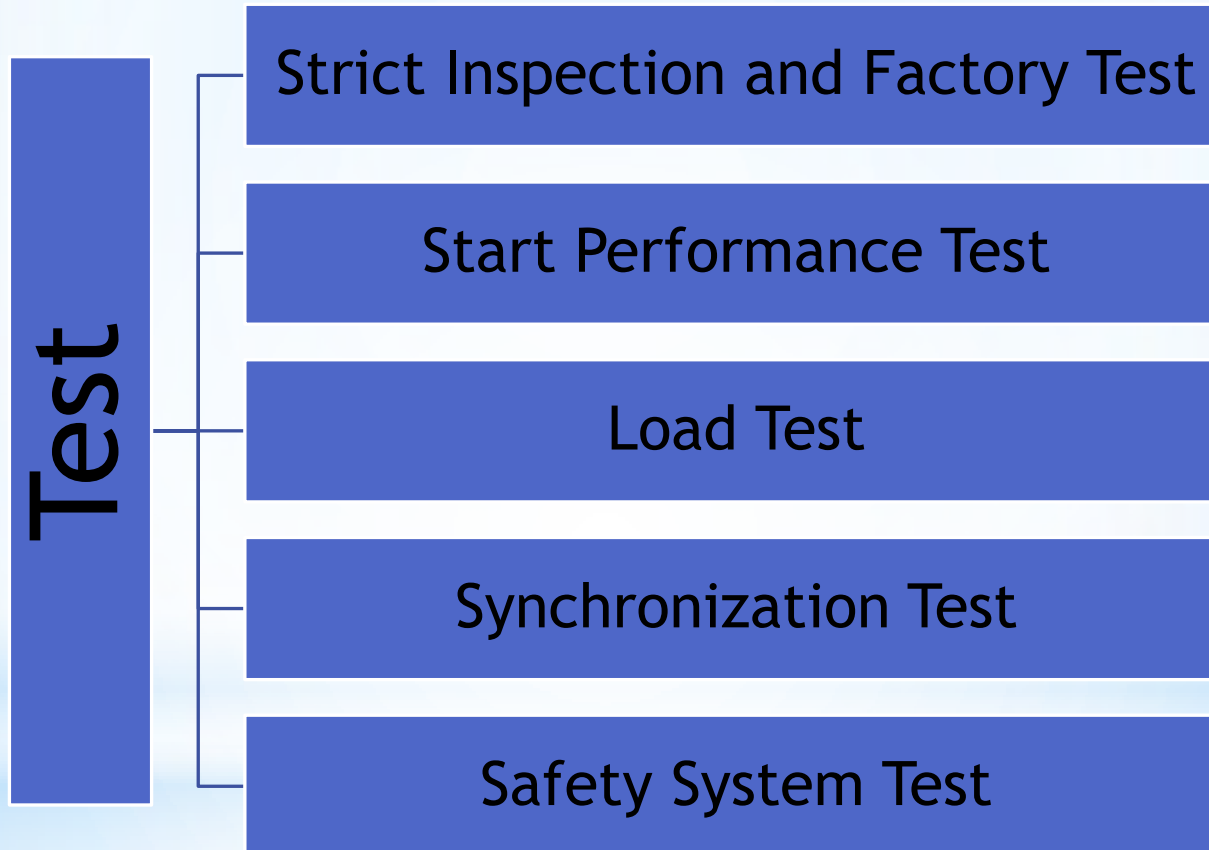
ABB fully automatic engine assembly line

Modern workshop



Larger turn-milling Manu-center from German

Detection and Inspection



Detection and Inspection



Engine in testing room

Certification



The genset could reach BV, CCS, CE, ISO, EAC, OHSAS, RS

02 On-site service

The after sale service include installation guide, maintenance training. We provide 3 years warranty for the genset we sold.

On-site service



Maintenance service in Ecaudor

On-site service



Maintenance training in Russia

03 Previous Projects

Our genset has been popular in South America, Africa and South-East Asia.

Previous projects



5 x 1200 kw + 1 x 300 kw genset in Nigeria

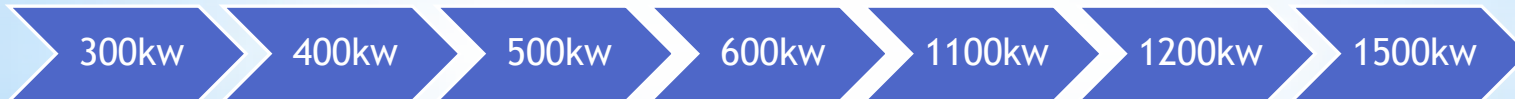
Previous projects



3 x 500 kw gas genset in Colombia

04 Checking List

Below brief parameters and main characteristics of the genset, for more detailed information, pls feel free to contact me.



140 series

140 series engine, is type of high speed engine with high supercharging, low energy consumption, high reliability and service life. It is certified to the standard Europe III and American TIER2. It is Applicable to oil-truck-mounted drilling rigs, mobile power station, emergency power supply and engineering machine.



Item	Description
Model	300GF30-T
Rated Power	300kw
Dimension	3701x1345x1701mm
Gas pressure	1-4Bar
Engine type	Turbocharged, spark plug ignition, water cooled
Cylinders	6 cylinders, V type, total displacement 15.2L
Gas consumption	≤ 10000 kJ/kw·h
Oil consumption	≤ 0.6 g/kw·h

127 series

Mainly used in the power plant and oil field drilling power.



Item	Description		
Model	400GF-T	500GF-T	600GF-T
Rated Power	400kw	500kw	600kw
Dimension	4566x2040x2195m m	4566x2040x2780m m	4733x2040x2778m m
Gas pressure	1-4Bar		
Engine type	spark plug ignition, Electric controller outside mixed		
Cylinders	12 cylinders, V type, total displacement 71.5L		
Gas consumption	$\leq 11386 \text{ kJ/kw}\cdot\text{h}$		
Oil consumption	$\leq 0.8 \text{ g/kw}\cdot\text{h}$		

1512 series

It adopts advanced gas-fired hybrid methods and using good electric control technology and lean burn control strategies. The series has been put into the market nearly 1000 units and it has good performance, good control and reliability.



Item	Description
Model	500GF-T4
Rated Power	500kw
Dimension	6195x2330x2776mm
Gas pressure	1-4Bar
Engine type	Turbocharged intercooling, spark plug ignition, electric control outside mixed
Cylinders	12 cylinders, V type, total displacement 71.5L
Gas consumption	≤ 11000 kJ/kw·h
Oil consumption	≤ 0.8 g/kw·h

6000 series

It adopts advanced air-fuel ratio control technology, and its energy power, economic, reliability and safety has been greatly improved. This is one of our best selling model.



Item	Description		
Model	1100GF-T	1200GF-T	1500GF-T
Rated Power	1100kw	1200kw	1500kw
Dimension	6660x2335x2520m m	7175x2516x2540m m	7260x2516x2540m m
Gas pressure	1-4Bar		
Engine type	spark plug ignition, Turbocharged intercooling		
Cylinders	16 cylinders, V type, total displacement 97.53L		
Gas consumption	≤9500kj/kw·h		
Oil consumption	≤0.6g/kw·h		

2632 series

It could meet the demand for long-distance pipeline compressor, offshore drilling platform and large-scale gas power station. It has the characteristics of high pressure, high power, high efficiency and low emission. Its thermal efficiency is more than 44%.



Item	Description	
Model	4000GF-T	3600GF-T
Rated Power	4000kw	3600kw
Dimension	9435x2930x4175mm	
Gas pressure	4-6Bar	
Engine type	Turbocharged intercooling, pre-burning zone, multi-point injection, compression ratio control	
Cylinders	16 cylinders, V type, total displacement 272L	
Gas consumption	$\leq 9000\text{kJ/kw}\cdot\text{h}$	
Oil consumption	$\leq 0.6\text{g/kw}\cdot\text{h}$	

3240 series

The series was developed by JICHAO and MAN Company. It has the characteristics of high Power density, high efficiency, light, compact Structure, long repair cycle and humanized Maintenance and design. Adapted to natural Gas official net, transportation pressure pump Station, underground gas storage station and Other project.



Item	Description	
Model	4800GF-T	4500GF-T
Rated Power	4800kw	4500kw
Dimension	10460x3470x4750mm	
Gas pressure	5Bar	
Engine type	Turbocharged intercooling, water cooling, pre-burning zone, multi point injection, compression ratio control	
Cylinders	12 cylinders, V type, total displacement 386L	
Gas consumption	$\leq 8180 \text{ kJ/kw}\cdot\text{h}$	
Oil consumption	$\leq 0.35 \text{ g/kw}\cdot\text{h}$	

Biogas series

This series of generator is special designed for fuel biogas. There are large amount of biogas resource available for use in farms, food factories, brewing factories, sewage treatment plant and waste treatment plant.



Item	Description	
Model	500GF-N	1100GF-N
Rated Power	500kw	1100kw
Dimension	5120x2040x2776mm	6198x2540x2180mm
Gas pressure	1-4Bar	
Engine type	Turbocharged intercooling, spark plug ignition,	
Cylinders	12 cylinders, V type, total displacement 71.5L	16cylinders, V type, total displacement 97.53L
Gas consumption	≤11000kj/kw·h	≤9500kj/kw·h
Oil consumption	≤0.8g/kw·h	≤0.6g/kw·h

Coal mine gas series

The series of generator uses coal mine gas as its source. Coal mine gas is a mixture of Methane, carbon dioxide, and nitrogen that escape from coal.



Item	Description	
Model	600GF-W	1100GF-W
Rated Power	600kw	1100kw
Dimension	5120x2040x2776mm	6198x2540x2180mm
Gas pressure	1-4Bar	
Engine type	Turbocharged intercooling, spark plug ignition,	
Cylinders	12 cylinders, V type, total displacement 71.5L	16cylinders, V type, total displacement 97.53L
Gas consumption	$\leq 11000 \text{ kJ/kw}\cdot\text{h}$	$\leq 9500 \text{ kJ/kw}\cdot\text{h}$
Oil consumption	$\leq 0.8 \text{ g/kw}\cdot\text{h}$	$\leq 0.6 \text{ g/kw}\cdot\text{h}$

Thanks

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