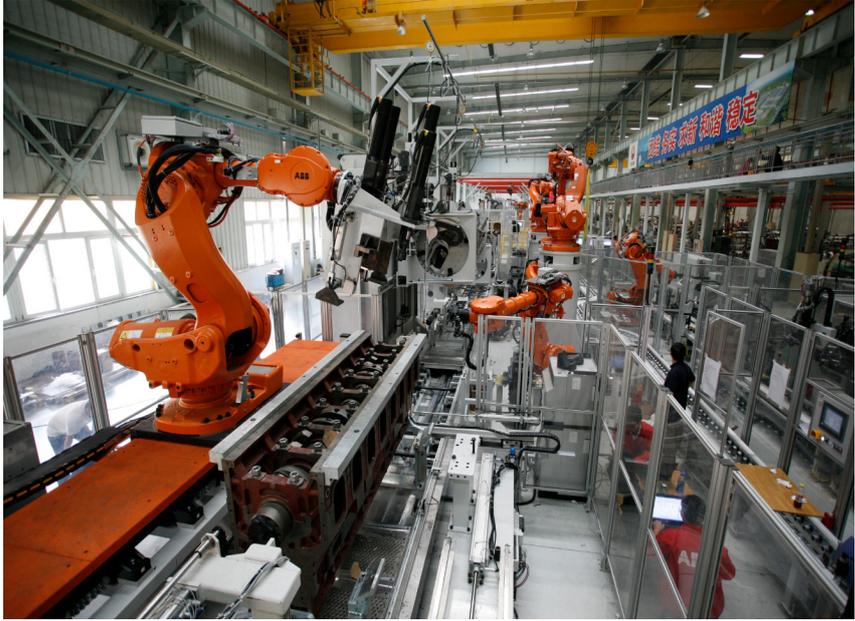




# Gas Generator Set





## Company Introduction

CNPC JCPC is a famous engine production company. It is founded in 1920 and is one of the earliest manufacturers of diesel engine in China. JCPC is the top 500 machinery manufacturing enterprise in China, and the only manufacturer that won the national Gold Prize Medal of large power engine, JCPC has achieved the titles of National QM Medal, Consumer -satisfaction Enterprise of China, The Superior Supplier of the West-East Gas Pipe Line project, Famous trademark of China etc.

JCPC has passed the certificates of "Quality, Health safety, Environment" management system and HSE management system, and been regarded as 3A class enterprise by CAQ. JCPC products are also complaint with EU machinery directive, EU low voltage directive and the certification of BV, RS etc.

Tianjin Sinogas Repower was founded in 2009 and located in Tianjin, China. With years development and growing, our company has become a mature, reliable natural gas equipment supplier for world wide customer.

Our company is expertise in provide package solution for gas power plant, CNG storage and transportation, CNG filling station, LNG storage and transportation, LNG plant and LNG filling station etc.



**CNPC JCPC**

Form GAT\_10-M05, version 00, effective since March 25th, 2020

شهادة - Certificate - Сертификат - 증명서 - 證明書

### Certificate of Compliance

No. 3C200623.CJPG085

Certificate's Holder:	CNPC Jichai Power Company Limited No.11966 West Jingshi Road, Jinan-250306, China
Certification ECM Mark:	
Product Model(s):	Generating Set 1100GF-T, 1100GF1-T, 1200GF9-T2, 1500GF-T, 1000GF-Z, 1000GF9-Z, Including Engine H16V190ZLT-2, H16V190ZLT-1, H16V190ZLT-2; 2000GF10-T, 1500GF-Z, Including Engine L20V190ZLT-2, L20V190ZLT-2; 4000GF70-T, Including Engine 16V26/32T
Verification to:	Standard: EN 60204-1:2006+A1:2009+AC:2010  related to CE Directive(s): 2014/35/EU (Low Voltage)

**Remark:** This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

**Additional information and clarification about the Marking:**  
The manufacturer is responsible for the CE Marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation on ECM Voluntary Mark for the certification of products. RG01\_ECM rev.3 available at: www.entecerma.it

**Issuance date: 23 June 2020**  
**Expiry date: 22 June 2025**

Reviewer  
Technical expert  
Amanda Payne

Approver  
ECM Service Director  
Luca Bedonni

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Via Ca' Bella, 243 - Loc. Castello di Serravalle - 40053 Valsamoggia (BO) - ITALY

Form GAT\_10-M05, version 00, effective since March 25th, 2020

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Verification to:	Standard: EN 12100:2010  related to CE Directive(s): 2006/42/EC (Machinery)

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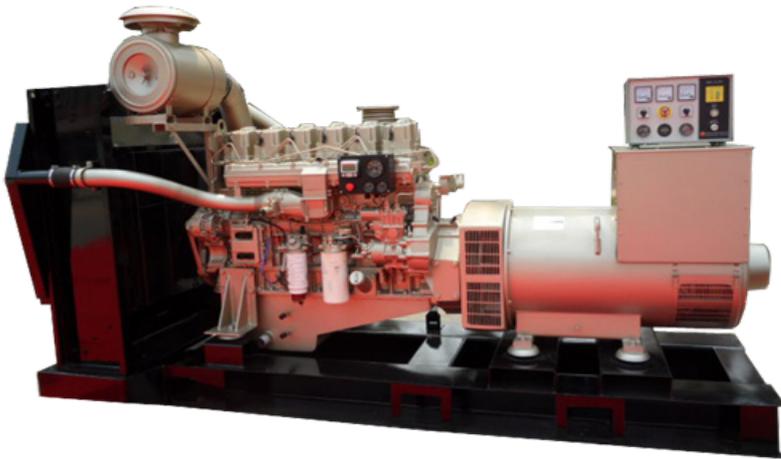
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## 300 kw



300GF-T is type of high speed generator with JC15T engine and XN5C series alternator, supplemented by WOODWARD electric control system and MOTORTECH ignition system. JC15T is widely used in oilfield drilling rigs, oil field auxiliary power generation, mobile power station, standby power and construction machinery.

The gen-set has good power performance, which could overload to 330kw. All of the main components have been fatigue test to keep good reliability and durability. The electric control system can meet one button start, data transmission and remote monitoring.

Model	300GF30-T	Frequency	50/60 Hz
Voltage	0.4/0.48/6.3/10.5/13.8 kv	Rated power	300 kw
Heat rate	<9800kj/kwh	Oil consumption rate	0.6 g/kwh
Control system	WOODWARD EGS Trim	Dimension	3701x1345x1701 mm



## 400/500/600 kw



October 12, 1988 passed the national appraisal, the identification model 600kw/1000r/min external hybrid supercharged gas engine. After years of continuous improvement, products has become serialized and widely used in major oil fields and gas applications, resulting a huge economic benefits.

It is mainly used in natural gas power generation, oil field drilling power fields.

Model	400GF-T, 500GF-T, 600GF-T	Frequency	50/60 Hz
Voltage	0.4/0.48/6.3/10.5/13.8 kv	Rated power	400 kw, 500kw, 600kw
Electric efficiency	<11000 kj/kwh	Oil consumption rate	1.6 g/kwh
Control system	WOODWARD 2301A	Dimension	6195x2200x2778 mm

Biogas type: 500 kw



Associated Gas Power Plant  
in Changqin Oil field, China



Natural Gas Power Plant in  
China

## 1100/1200/1300 kw



International EGS02 engine intelligent management system

Advanced air-fuel ratio control technology with TEJCT air-fuel ratio automatic adjustment.

Low pressure gas intake and lean combustion technology, better emission

IG-NT automatic synchronization and automatic load distribution

Digital monitoring technology

Model	1100GF-T, 1200GF-T, 1300GF-T	Frequency	50/60 Hz
Voltage	0.4/0.48/6.3/10.5/13.8 kv	Rated power	1100/1200/1300 kw
Heat rate	<9500 kj/kwh	Oil consumption rate	0.6 g/kwh
Control system	WOODWARD EGS02	Dimension	7175x2516x2540 mm

Biogas type: 1000 kw



Nigeria 5x1200kw+1x500kw power plant



Nigeria 7x1200kw power plant

## 1900 kw



L20V190 gas engine genset adopts world advanced close cycle air-fuel control system, lean burn, millar cycle, high energy intelligent ignition and pre-burn chamber spark plug etc. technology, which makes the engine high power performance and economical. The average efficiency pressure reaches 1.83mpa, heat rate is lower than 9000 k/kwh.

It is mainly used in distributed type power generation, oil field pipe transportation, compressor driven, offshore drilling plant form etc.

Model	1900GF-T	Frequency	50/60 Hz
Voltage	0.4/0.48/6.3/10.5/13.8 kv	Rated power	1900 kw
Heat rate	< 9000 kj/kwh	Oil consumption rate	0.6 g/kwh
Control system	WOODWARD EGS02	Dimension	9093x2040x2786 mm

Biogas type: 1500 kw



Biogas power plant in shenzhen, China

## 3500/4000 kw



The 26/32 series natural gas engines are developed by JICHAO to meet the demand for power from long distance pipeline compressor drive power, offshore drilling platform power, large-scale gas power stations, distributed engine, and other national-saving emission reduction projects. High power natural gas engine have the following characteristic: high pressure, high power, high efficiency, low emission, green, environment protection and other characteristics. The engine's gas consumption rate is 8500kJ/kw.h, thermal efficiency is greater than 42.3%, and its power, economy, and reliability all reach the international advanced level.

Model	3500GF-T, 4000GF-T	Frequency	50/60 Hz
Voltage	6.3/10.5/13.8 kv	Rated power	3500/4000 kw
Electric efficiency	<8500 kj/kwh	Oil consumption rate	0.5 g/kwh
Control system	Heinzmann	Dimension	9400x2900x3700 mm



Natural gas power plant in Bengal

## Package solution



### CNG Virtual Pipeline

The compressed natural gas (250Bar) is transported to the point with CNG jumbo tube container from mother filling station, then the CNG is decompressed to 4 Bar which is suitable for gas generator inlet.

It has a great advantages for the rural place without electricity, we could provide package solution including mother filling station, CNG transportation and CNG decompression and natural gas generator.



### LNG point to point supply

The liquified natural gas is competitive as it has much higher energy density. The LNG is transported to the place and then vaporized to supply natural gas generator.

We could provide package solution include LNG filling station, LNG container, LNG vaporizer and natural gas power plant.



### Biogas power plant

Biogas is a mixture of gases produced by the breakdown of organic matter in the absence of oxygen, primarily consisted of about 40-60 percentage of methane, it is a wonderful gas for power generator.

We now could provide solution for biogas pre-treatment, 500kw, 1000kw and 1500kw biogas generator. The generator has been used more than 1000 units and has proved its reliability and durability.

## After sale service



- Two years warranty
- Installation guide
- Debugging and Commissioning
- Staff training
- Lifetime spare parts supply



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