



Gas Generator Set

山东鑫旭集团
SHANDONG XINXU GROUP CORPORATION LTD

Advantages of Products

个性化定制服务

提供专业的个性化定制服务，可面向有不同需求的客户群体，进行专业的方案设计与定制，在您需要帮助时，我们将始终是您可以信赖的伙伴。

Personalized service

Providing professional personalized customization service, which can provide professional scheme design and customization for different customer groups. When you need help, we will always be your reliable partner.

多机并联/并网智能化监控功能

发电机组使用智能化控制器，可以实现自动并联 / 并网功能，并可以对发电机组进行本地以及远程监控与操作等功能，用户也可以通过云端对机组进行监控与操作。此功能大大的方便了客户的操作，为客户提供了便捷。

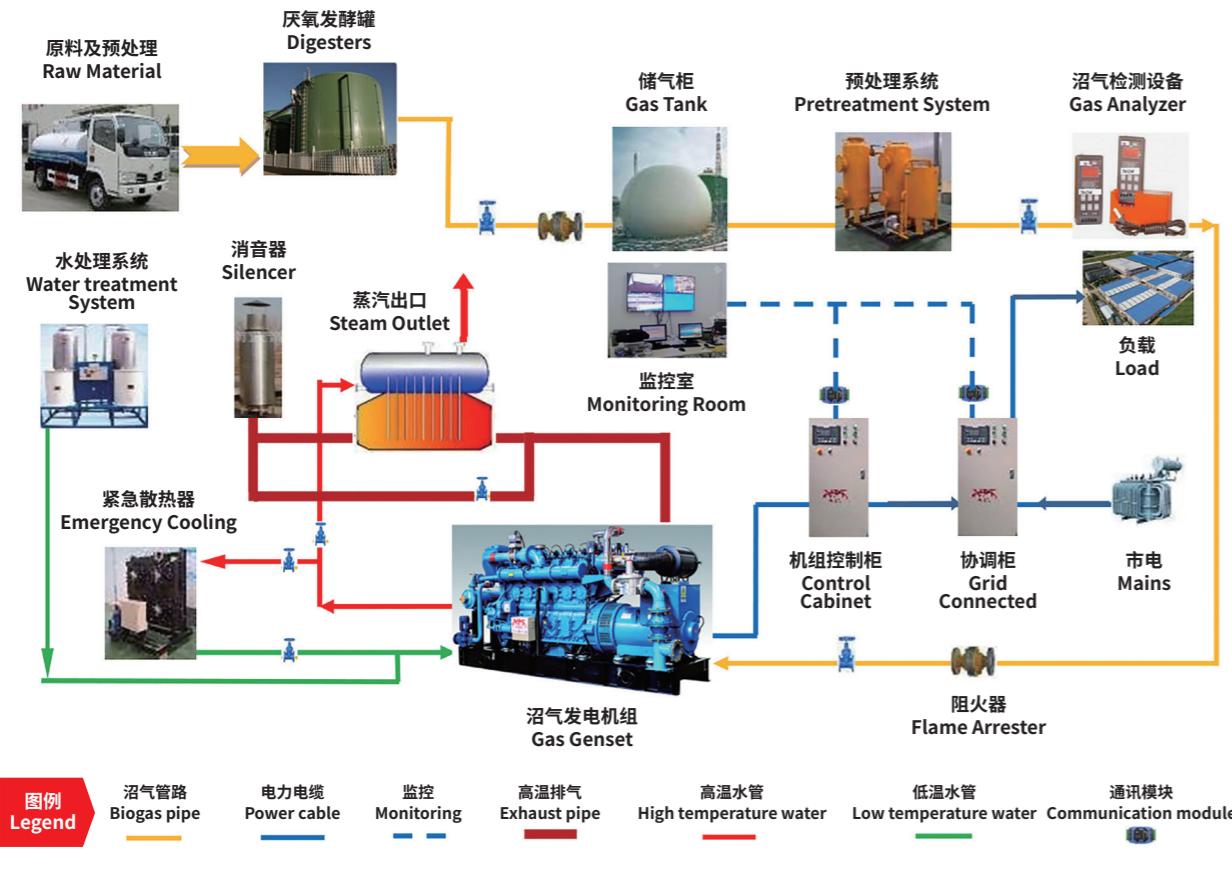
Intelligent monitoring function of multi genset parallel connection / grid connection

The intelligent controller is used in the generator set, which can realize real-time automatic parallel / grid connection function, and can monitor and operate the generator set locally and remotely. Users can also monitor and operate the generator set through the cloud.

This function greatly facilitates the operation of customers and provides convenience for customers.

沼气热电联产(蒸汽型)系统工艺流程及组成示意图

Biogas CHP(steam type) System Process Schematic Diagram

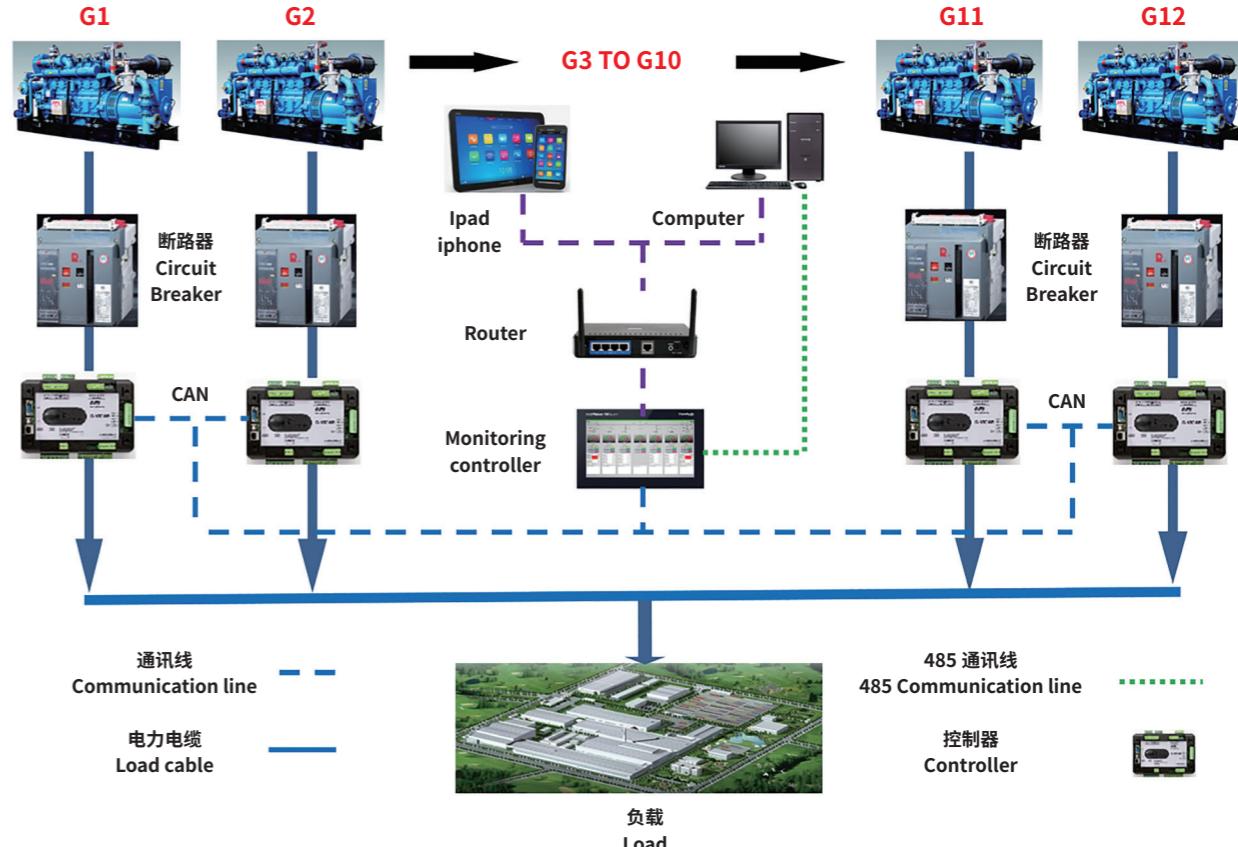


此图以沼气为示例图，天然气，生物质气，LPG 等其它气体发电机组均可设计制作，详情请咨询本公司。

This figure takes biogas as an example. Natural gas, biomass gas, LPG and other gas generator sets can also be designed and manufactured separately. Please consult our company for details.

多机并联 / 并网集体监控系统示意图

Multi Genset Parallel / Grid Connected Monitoring System Example Diagram

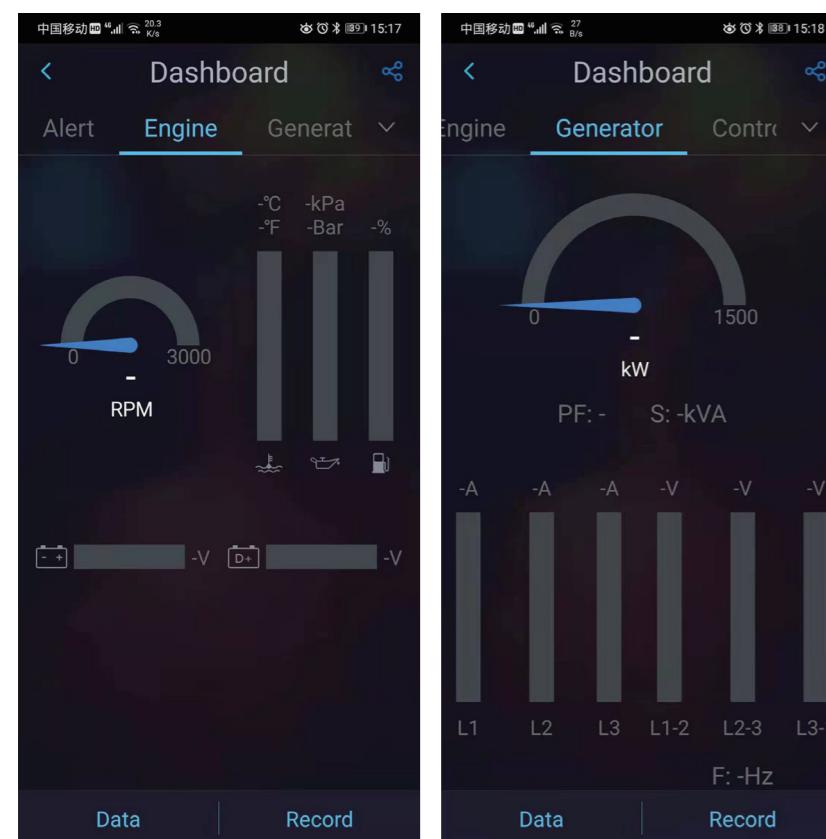


APP MONITORING EXAMPLE

APP监控示例

智能设备或智能手机监控 APP，能够实现在线监控发电机组的各项运行数据，并能实现发电机组的启动，合闸，分闸，停机等操作。真正的解放用户，让用户做到随时随地了解发电机组的运行状态，并作出相应的操作。

Smart devices or smart phone monitoring APP can realize online monitoring on operation data of generator set, and can realize much operation of generator set, such as starting, switch closing, switch opening, stopping and so on. Truly liberate users, let users know operation state of generator sets at all times and places.



静音型气体发电机组

- 显著的低噪音性能，可有效降低发电机组的噪音。
- 低噪音气体发电机组设计紧凑，安装简便，造型新颖美观，各种颜色均可定制。
- 多层屏蔽阻抗配式隔音罩，大型阻抗复合式消音器。
- 高效降噪型多路进排气，进排风通道，保证机组充足的动力性能。
- 组合式机构，方便后期维修。

低噪音气体发电机组，广泛应用于邮电通讯，宾馆大厦，娱乐场所，医院，商场，工矿企业等对环境噪音要求严格的场所，为其作为常用或者备用电源。

SILENT GAS GENERATOR SET

- Significant low noise performance, can effectively reduce the noise of the generator set.
- Low noise gas generator set has compact design, easy installation, novel and beautiful shape and customized various colors.
- Multilayer shielding impedance mismatch type acoustic enclosure, large impedance composite muffler.
- High efficiency noise reduction multi-channel air intake and exhaust channels to ensure adequate power performance of the genset.
- Combined mechanism, convenient for later maintenance.

Low noise gas generator set is widely used in posts and telecommunications, hotels, buildings, entertainment places, hospitals, shopping malls, industrial and mining enterprises and other places with strict environmental noise requirements, as a common or standby power supply.



移动型电站

机构: 两轮, 三轮, 四轮, 拖车电站, 汽车电站, 移动低噪音电站, 电力工程车等。

制动: 有气刹接口和手摇式刹车移动撞刹系统, 确保行驶安全性

牵引: 前侧钢制牵引, 可选直连式、180°转盘。

附件: 车厢内安装有吸顶式防爆灯, 燃气泄漏报警器等, 安全方便工作。

Mobile power station

Organization: two wheels, three wheels, four wheels, trailer power station, automobile power station, mobile low noise power station, electric engineering vehicle, etc.

Brake: there are air brake interface and hand brake mobile impact brake system to ensure driving safety

Traction: front steel traction, directly connected and 180 ° turntable can be selected.

Accessories: It is convenient to install explosion-proof lamp, gas leakage alarm and other accessories.



集装箱式气体发电机组

集装箱式气体发电机组采用整体封闭结构, 强度高能满足机组多次吊装、搬运、运行的要求; 箱体维护门采用防音门设计, 箱体内部隔热材料均采用环保阻燃材料, 具有保温隔热和降低噪声功能; 箱体配置防爆直流24V 照明灯, 内壁安装镀锌网孔板, 并进行喷漆处理, 内表面平整美观; 箱体表面按照港口机械的防腐油漆涂装, 能防潮、防腐、防日晒、防盐雾的特殊油漆及工艺进行涂装; 机组箱体空间设计, 满足三面及顶部日常维护空间; 箱体外设置有爬梯、检修维护门、急停装置、排污盒、接地螺栓; 适用于野外工作条件, 并能防雨、防尘、隔热、防火、防锈、防暴雪。

Container type gas generator set

The container gas generator set adopts an overall enclosed structure with high strength, which can meet the requirements of multiple hoisting, handling and operation of the genset. The maintenance door of the container is designed with soundproof door, and the internal thermal insulation material of the container is made of environment-friendly flame-retardant material, which has the function of thermal insulation and noise reduction. The container is equipped with explosion-proof DC 24 V lighting, and the inner wall is installed with galvanized mesh plate, and spray painting treatment is carried out, the inner surface is smooth and beautiful; the container surface is painted according to the anti-corrosion paint of port machinery, which can resist moisture, corrosion, sunlight and salt fog; the container space of the genset is designed to meet the daily maintenance space on three sides and on the top; the container body is equipped with ladder, maintenance door, emergency stop device, sewage container and grounding bolt; it is suitable for field working conditions, and it can prevent rain, dust, heat insulation, fire prevention, rust prevention and snow storm prevention.



TECHNICAL PARAMETERS OF NQ / NW SERIES GAS GENERATOR SET

NQ/NW系列气体发电机组技术参数



1、产品特点：

NQ 系列采用全柴基础气体发动机，发动机使用日本洋马技术，有着动力足，噪音低，体积小，耐用性好等特点。

发动机燃气混合系统，点火、控制系统为耐普特自主匹配优化，产品可靠，耐用性好。

2、产品配置选型：

- 点火方式：NPT ECU 单缸独立点火
- 控制方式：美国 GAC 电控
- 起动形式：电启动
- 噪声等级：<90dB(A)
- 大修周期：20000h
- 发电机形式：纯铜无刷，自动电压调节
- 冷却方式：风扇水箱、复式水循环冷却、余热回收等
- 运行模式：并网 / 自启动 / 孤岛

1. Product features:

NQ series adopts QUANCHAI base gas engine and Japanese Yanmar technology. It has the characteristics of sufficient power, low noise, small volume and good durability.

Engine's gas mixture system, ignition and control system are independently matched and optimized by NPT, which are reliable and durable.

2. Product configuration selection:

- Ignition mode: NPT ECU single cylinder independent ignition
- Control mode: American GAC electronic control
- Starting mode: electric starting
- Noise level: < 90dB (A)
- Overhaul cycle: 20000h
- Generator type: pure copper brushless, automatic voltage regulation
- Cooling type: Radiator with cooling fan, double circuit water heat exchanger, exhaust heat recovery system, etc.
- Operation mode: grid connected / self starting / islanding

GENSET PARAMETER TABLE 机组参数表

天然气 / 沼气机组参数表 Natural Gas/Biogas Genset Parameter Table 50/60Hz									
机组型号 Genset Model	机组功率 Power(kW)	发动机参数 / Engine parameters						外形尺寸 Dimensions(mm)	参考重量 Weight(kg)
		型号 Model	排量 Displacement (L)	缸径行程 Bore*stroke (mm)	型式 Type	转速 Speed(r/min)	机油 Oil(L)		
10 GFT	10	NQ25D2.5	2.5	90*105	L4、自吸 /NA	1500/1800	6	1420*610*1200	420
20 GFT	20							1420*610*1200	460
30 GFT	30	NQ35D3.6	3.5	98*115	L4、自吸 /NA	1500/1800	7	1730*830*1300	800
40 GFT	40	NQ35D4.8TL			L4、增压 /Turbo	1500/1800	7	1850*900*1400	845
50 GFT	50	NW52D5.5	5.2	110*135	L4、自吸 /NA	1500/1800	12	1900*850*1500	1000
50 GFT	50	NW71D6	7.1	105*135	L6、自吸 /NA	1500/1800	16	2250*850*1350	1100

LPG 机组参数表 LPG Genset Parameter Table 50/60Hz									
机组型号 Genset Model	机组功率 Power(kW)	发动机参数 / Engine parameters						外形尺寸 Dimensions(mm)	参考重量 Weight(kg)
		型号 Model	排量 Displacement (L)	缸径行程 Bore*stroke (mm)	型式 Type	转速 Speed(r/min)	机油 Oil(L)		
10 GFT	10	NQ25D2.5	2.5	90*105	L4、自吸 /NA	1500/1800	6	1420*610*1200	420
15 GFT	15							1420*610*1200	460
30 GFT	30	NQ35D3.6	3.5	98*115	L4、自吸 /NA	1500/1800	7	1730*830*1300	650
40 GFT	40	NQ35D5TL			L4、增压 /Turbo	1500/1800	7	1850*900*1400	845

桔秆气机组参数表 Biomass Genset Parameter Table 50/60Hz									
机组型号 Genset Model	机组功率 Power(kW)	发动机参数 / Engine parameters						外形尺寸 Dimensions(mm)	参考重量 Weight(kg)
		型号 Model	排量 Displacement (L)	缸径行程 Bore*stroke (mm)	型式 Type	转速 Speed(r/min)	机油 Oil(L)		
10 GFT-J	10	NQ25D2.5	2.5	90*105	L4、自吸 /NA	1500/1800	6	1420*610*1200	420
20 GFT-J	20	NQ35D2.5						1420*610*1200	460
30 GFT-J	30	NQ35D4TL	3.5	98*115	L4、自吸 /NA	1500/1800	7	1730*830*1300	680
					L4、增压 /Turbo	1500/1800	7	1800*900*1400	845

备注：

1. 发动机大修期与使用条件、润滑油质量、保养质量、负荷、安装质量、燃料品质等密切相关。
2. 由于生物质气热值波动大，此处生物质气参考值为≥4.2MJ，其它特殊气体，请咨询单独定制。
3. 电压可定制 127/220/400/440/480V。
4. 产品可提供特殊定制服务，如有需求请咨询厂家。
5. 以上技术参数仅供参考，如有更改升级恕不另行通知。

Remarks:

1. Engine overhaul period is closely related to service conditions, lubricating oil quality, maintenance quality, load, installation quality, fuel quality, etc.
2. As the calorific value of biomass gas fluctuates greatly, the reference value of biomass gas here is ≥ 4.2MJ. For other special gases, please consult us for individual customization.
3. The voltage can be customized 127 / 220 / 400 / 440 / 480V.
4. Special customized service can be provided for the products. Please consult the manufacturer if necessary.
5. Above technical parameters are for reference only. Please be subject to change and upgrade without prior notice.

TECHNICAL PARAMETERS OF ND SERIES GAS GENERATOR SET

ND系列气体发电机组技术参数



1、产品特点：

机组采用道依茨授权生产华北大柴油机厂基础气体发动机，发动机为德国技术，产品性能优良，成熟可靠，知名度高。

发动机燃气混合系统，点火、控制系统为耐普特自主研发优化，产品可靠，耐用性好。

本系列产品具有启动性能好，动力足，噪音小，运行平稳，可靠性强等优点，另配件全球通用，并广泛运用在沼气，天然气等行业。

2、产品配置选型：

- 发动机点火方式:NPT ECU单缸独立点火、WOODWARD、ALTRONIC、MOTORTECH点火系统
- 发动机调速控制方式:美国GAC电控, WOODWARD等
- 机组控制模块:众智控制器, 英国DEEPSSEA, 捷克COMAP等
- 起动形式:电启动
- 噪声等级:<92dB(A)
- 大修周期:20000h
- 发电机形式:纯铜无刷, 自动电压调节
- 冷却方式:风扇水箱、复式水循环冷却、余热回收等
- 运行模式:并网/自启动/孤岛

1. Product features:

The genset adopts the base gas engine of HuaBei diesel engine factory, which is authorized by DEUTZ. The engine is German technology.

Engine's gas mixture system, ignition and control system are independently matched and optimized by NPT, which are reliable and durable.

The product has excellent performance, mature and reliable performance and high popularity. The product has the advantages of good starting performance, sufficient power, low noise, stable operation and strong reliability. It is also widely used in biogas, natural gas and other industries.

2. Product configuration selection:

- Engine ignition mode: NPT ECU single cylinder independent ignition, WOODWARD, ALTRONIC, MOTORTECH ignition system
- Engine speed control mode: GAC electronic control, WOODWARD, etc
- Genset control module: Smartgen controller, DEEPSSEA, COMAP, etc
- Starting mode: electric starting
- Noise level: < 92dB (A)
- Overhaul cycle: 20000h
- Generator type: pure copper brushless, automatic voltage regulation
- Cooling type: Radiator with cooling fan, double circuit water heat exchanger, exhaust heat recovery system, etc.
- Operation mode: grid connected / self starting / islanding

机组参数表 | GENSET PARAMETER TABLE

天然气 / 沼气机组参数表 Natural Gas/Biogas Genset Parameter Table 50/60Hz									
机组型号 Genset Model	机组功率 Power(kW)	发动机参数 / Engine parameters						外形尺寸 Dimensions(mm)	参考重量 Weight(kg)
		型号 Model	排量 Displacement (L)	缸径行程 Bore*stroke (mm)	型式 Type	转速 Speed(r/min)	机油 Oil(L)		
50 GFT	50	ND68D6	6.8	105*130	L6、自吸 /NA	1500/1800	14	2400*1000*1600	1300
60 GFT	60	ND68D6.8		105*130	L6、增压 /Turbo			2400*1000*1600	1300
80 GFT	80	ND68D9TL	6.8	105*130	L6、增压 /Turbo	1500/1800	14	2450*1000*1600	1650
100 GFT	100	ND119D11	11.9	132*145	V6、自吸 /NA	1500/1800	36	2400*1200*1700	2030
120 GFT	120	ND119D13	11.9	132*145	V6、自吸 /NA	1800	36	2500*1200*1700	2100
180 GFT	180	ND119D20TL	11.9	132*145	V6、增压 /Turbo	1500/1800	36	2800*1200*1900	2300
160 GFT	160	ND159D18	15.9	132*145	V8、自吸 /NA	1500/1800	48	3250*1300*2000	2900
200 GFT	200	ND159D22TL	15.9	132*145	V8、增压 /Turbo	1500/1800	48	2850*1200*1900	2200
260 GFT	260	ND159D28TL	15.9	132*145	V8、增压 /Turbo	1500/1800	48	3200*1450*2000	2400
360 GFT	360	ND238D40TL	23.8	132*145	V12、增压 /Turbo	1500/1800	70	3400*1450*2000	3260
400 GFT	400	ND238D42TL	23.8	132*145	V12、增压 /Turbo	1800	70	3400*1450*2000	3360

桔秆气机组参数表 Biomass Genset Parameter Table 50/60Hz

机组型号 Genset Model	机组功率 Power(kW)	发动机参数 / Engine parameters						外形尺寸 Dimensions(mm)	参考重量 Weight(kg)
		型号 Model	排量 Displacement (L)	缸径行程 Bore*stroke (mm)	型式 Type	转速 Speed(r/min)	机油 Oil(L)		
30 GFT-J	30	ND68D4	6.8	105*130	L6、自吸 /NA	1500/1800	14	2300*790*1500	1200
40 GFT-J	40	ND68D4.5		105*130	L6、增压 /Turbo			2400*790*1500	1200
60 GFT-J	60	ND68D7TL	6.8	105*130	L6、增压 /Turbo	1500/1800	14	2600*1000*1600	1300
80 GFT-J	80	ND119D9	11.9	132*145	V6、自吸 /NA	1500/1800	36	2400*1200*1700	1650
100 GFT-J	100	ND119D11	11.9	132*145	V6、自吸 /NA	1800	36	2500*1200*1700	1650
150 GFT-J	150	ND119D17TL	11.9	132*145	V6、增压 /Turbo	1500/1800	36	2800*1200*1700	1650
120 GFT-J	120	ND159D14	15.9	132*145	V8、自吸 /NA	1500/1800	48	2850*1200*1900	2120
200 GFT-J	200	ND159D22TL	15.9	132*145	V8、增压 /Turbo	1500/1800	48	3150*1200*1900	2380
300 GFT-J	300	ND238D32TL	23.8	132*145	V12、增压 /Turbo	1500/1800	70	3400*1450*2000	3260

备注:

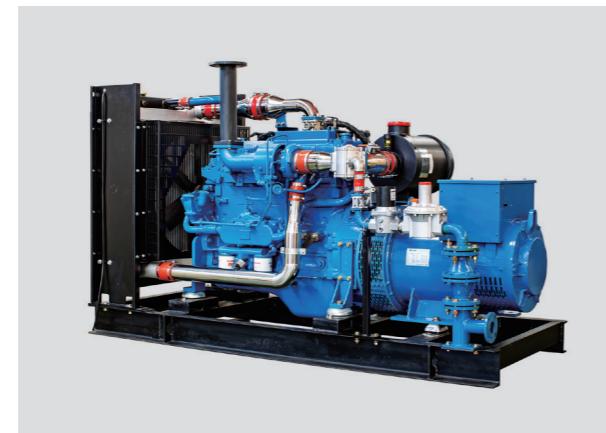
1. 发动机大修期与使用条件、润滑油质量、保养质量、负荷、安装质量、燃料品质等密切相关。
2. 由于生物质气热值波动大，此处生物质气参考值为≥4.2MJ，其它特殊气体，请咨询单独定制。
3. 电压可定制 127/220/400/440/480V。
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Remarks:

1. Engine overhaul period is closely related to service conditions, lubricating oil quality, maintenance quality, load, installation quality, fuel quality, etc.
2. As the calorific value of biomass gas fluctuates greatly, the reference value of biomass gas here is ≥ 4.2MJ. For other special gases, please consult us for individual customization.
3. The voltage can be customized 127/220/400/440/480V.
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TECHNICAL PARAMETERS OF NY SERIES GAS GENERATOR SET

NY系列气体发电机组技术参数



1、产品特点：

本系列产品发动机使用广西玉柴基础气体发动机，为国内知名内燃机生产厂家，并联合耐普特公司对气体发动机进行优化改进。

发动机燃气混合系统，点火、控制系统为耐普特自主匹配优化，产品可靠，耐用性好。

本系列功率覆盖 50-1000kW，产品具有大马力，大扭矩，功率覆盖广，高可靠，低耗气量，低噪声，适用性强等优点。

1. Product features:

The engine of this series of products uses Guangxi Yuchai base gas engine, which is a well-known internal combustion engine manufacturer in China. The gas engine is optimized and improved together with NPT Company.

Engine's gas mixture system, ignition and control system are independently matched and optimized by NPT, which are reliable and durable.

This series of power cover 50-1000kW, the product has the advantages of large horsepower, large torque, wide power coverage, high reliability, low gas consumption, low noise, strong applicability and so on.

2、产品配置选型：

- 发动机点火方式：WOODWARD、ALTRONIC、MOTORTECH点火系统
- 发动机调速控制方式：WOODWARD、HEINZMANN等
- 机组控制模块：众智控制器，英国DEEPSEA，捷克COMAP等
- 起动形式：电启动
- 噪声等级：<105dB(A)
- 大修周期：20000h
- 发电机形式：纯铜无刷，自动电压调节
- 冷却方式：风扇水箱、复式水循环冷却、余热回收等
- 运行模式：并网/并机/孤岛/自动控制等

GENSET PARAMETER TABLE 机组参数表

天然气 / 沼气机组参数表 Natural Gas/Biogas Genset Parameter Table 50/60Hz

机组型号 Genset Model	机组功率 Power(kW)	发动机参数 / Engine parameters						外形尺寸 Dimensions(mm)	参考重量 Weight(kg)
		型号 Model	排量 Displacement (L)	缸径行程 Bore*stroke (mm)	型式 Type	转速 Speed(r/min)	机油 Oil(L)		
50 GFT	50	NY42D6TL	4.2	108*115	L4、增压/Turbo	1500/1800	13	2100*900*1600	1090
50 GFT	50	NY52D6	5.2	112*132	L4、自吸/NA	1500/1800	13	2100*800*1600	1140
70 GFT	70	NY52D9TL	5.2	112*132	L4、增压/Turbo	1500/1800	13	2250*800*1600	1420
80 GFT	80	NY65D10TL	6.5	105*125	L6、增压/Turbo	1500/1800	20	2300*970*1600	1480
100 GFT	100	NY78D12TL	7.8	112*132	L6、增压/Turbo	1500/1800	21	2400*1000*1550	1550
120 GFT	120	NY78D13TL	7.8	112*132	L6、增压/Turbo	1500/1800	21	2400*1000*1550	1620

LPG 机组参数表 LPG Genset Parameter Table 50/60Hz

机组型号 Genset Model	机组功率 Power(kW)	发动机参数 / Engine parameters						外形尺寸 Dimensions(mm)	参考重量 Weight(kg)
		型号 Model	排量 Displacement (L)	缸径行程 Bore*stroke (mm)	型式 Type	转速 Speed(r/min)	机油 Oil(L)		
50 GFT	50	NY52D6	5.2	112*132	L4、自吸/NA	1500/1800	13	2100*800*1600	1150
70 GFT	70	NY52D9TL	5.2	112*132	L4、增压/Turbo	1500/1800	13	2250*800*1600	1450
80 GFT	80	NY78D9TL	7.8	112*132	L6、增压/Turbo	1500/1800	21	2400*1000*1550	1580
100 GFT	100	NY78D12TL	7.8	112*132	L6、增压/Turbo	1500/1800	21	2400*1000*1550	1680

桔秆气机组参数表 Biomass Genset Parameter Table 50/60Hz

机组型号 Genset Model	机组功率 Power(kW)	发动机参数 / Engine parameters						外形尺寸 Dimensions(mm)	参考重量 Weight(kg)
		型号 Model	排量 Displacement (L)	缸径行程 Bore*stroke (mm)	型式 Type	转速 Speed(r/min)	机油 Oil(L)		
60 GFT-J	60	NY52D7TL	5.2	112*132	L4、增压/Turbo	1500/1800	13	2250*800*1600	1180
80 GFT-J	80	NY78D9TL	7.8	112*132	L6、增压/Turbo	1500/1800	21	2400*1000*1550	1510



GENSET PARAMETER TABLE 机组参数表

天然气 / 沼气机组参数表 Natural Gas/Biogas Genset Parameter Table							50/60Hz		
机组型号 Genset Model	机组功率 Power(kW)	发动机参数 / Engine parameters						外形尺寸 Dimensions(mm)	参考重量 Weight(kg)
		型号 Model	排量 Displacement (L)	缸径行程 Bore*stroke (mm)	型式 Type	转速 Speed(r/min)	机油 Oil(L)		
160 GFT	160	NY103D18TL	10.3	123*145	L6、增压 /Turbo	1500/1800	35	3250*1150*1800	2000
180 GFT	180	NY103D20TL	10.3	123*145	L6、增压 /Turbo	1500/1800	35	3250*1150*1800	2060
200 GFT	200	NY129D22TL	12.9	129*165	L6、增压 /Turbo	1500/1800	32	3250*1300*2000	2860
260 GFT	260	NY163D30TL	16.3	145*165	L6、增压 /Turbo	1500/1800	52	3350*1400*2200	3550
300 GFT	300	NY163D32TL	16.3	145*165	L6、增压 /Turbo	1800	52	3350*1400*2200	3680
350 GFT	350	NY196D40-TL	19.6	152*180	L6、增压 /Turbo	1500/1800	56	4050*2000*2300	4000

LPG 机组参数表 LPG Genset Parameter Table							50/60Hz		
机组型号 Genset Model	机组功率 Power(kW)	发动机参数 / Engine parameters						外形尺寸 Dimensions(mm)	参考重量 Weight(kg)
		型号 Model	排量 Displacement (L)	缸径行程 Bore*stroke (mm)	型式 Type	转速 Speed(r/min)	机油 Oil(L)		
150 GFT	150	NY103D17TL	10.3	123*145	L6、增压 /Turbo	1500/1800	35	3250*1150*1800	1980
280 GFT	280	NY196D30TL	19.6	152*180	L6、增压 /Turbo	1500/1800	52	3850*1600*2000	3950

桔秆气机组参数表 Biomass Genset Parameter Table							50/60Hz		
机组型号 Genset Model	机组功率 Power(kW)	发动机参数 / Engine parameters						外形尺寸 Dimensions(mm)	参考重量 Weight(kg)
		型号 Model	排量 Displacement (L)	缸径行程 Bore*stroke (mm)	型式 Type	转速 Speed(r/min)	机油 Oil(L)		
120 GFT-J	120	NY103D14TL	10.3	123*145	L6、增压 /Turbo	1500/1800	35	3200*1240*1700	2100
180 GFT-J	180	NY129D20TL	12.9	129*165	L6、增压 /Turbo	1500/1800	32	3250*1300*2000	2860
200 GFT-J	200	NY163D22TL	16.3	145*165	L6、增压 /Turbo	1500/1800	52	3350*1400*2200	3200
260 GFT-J	260	NY196D28TL	19.6	152*180	L6、增压 /Turbo	1500/1800	52	3850*1600*2000	3950

- 备注:**
- 发动机大修期与使用条件、润滑油质量、保养质量、负荷、安装质量、燃料品质等密切相关。
 - 由于生物质气热值波动大，此处生物质气参考值为≥4.2MJ，其它特殊气体，请咨询单独定制。
 - 电压可定制 127/220/400/440/480V。
 - 产品可提供特殊定制服务，如有需求请咨询厂家。
 - 以上技术参数仅供参考，如有更改升级恕不另行通知。
- Remarks:**
- Engine overhaul period is closely related to service conditions, lubricating oil quality, maintenance quality, load, installation quality, fuel quality, etc.
 - As the calorific value of biomass gas fluctuates greatly, the reference value of biomass gas here is ≥ 4.2MJ. For other special gases, please consult us for individual customization.
 - The voltage can be customized 127 / 220 / 400 / 440 / 480V.
 - Special customized service can be provided for the products. Please consult the manufacturer if necessary.
 - Above technical parameters are for reference only. Please be subject to change and upgrade without prior notice.



GENSET PARAMETER TABLE 机组参数表

天然气 / 沼气机组参数表 Natural Gas/Biogas Genset Parameter Table 50/60Hz									
机组型号 Genset Model	机组功率 Power(kW)	发动机参数 / Engine parameters						外形尺寸 Dimensions(mm)	参考重量 Weight(kg)
		型号 Model	排量 Displacement (L)	缸径行程 Bore*stroke (mm)	型式 Type	转速 Speed(r/min)	机油 Oil(L)		
500 GFT	500	NY396D55-TL	39.6	200*210	L6、增压/Turbo	1500/1800	170	4700*2000*2520	8500
1000 GFT	1000	NY792D110-TL	79.2	200*210	12V、增压/Turbo	1000/1200	280	7200*3000*3000	16500

桔秆气机组参数表 Biomass Genset Parameter Table 50/60Hz									
机组型号 Genset Model	机组功率 Power(kW)	发动机参数 / Engine parameters						外形尺寸 Dimensions(mm)	参考重量 Weight(kg)
		型号 Model	排量 Displacement (L)	缸径行程 Bore*stroke (mm)	型式 Type	转速 Speed(r/min)	机油 Oil(L)		
400 GFT-J	400	NY396D42TL	39.6	200*210	L6、增压/Turbo	1500/1200	160	4700*2000*2520	8460
800 GFT-J	800	NY792D84TL	79.2	200*210	12V、增压/Turbo	1000/1200	280	7200*3000*3000	16500

备注:

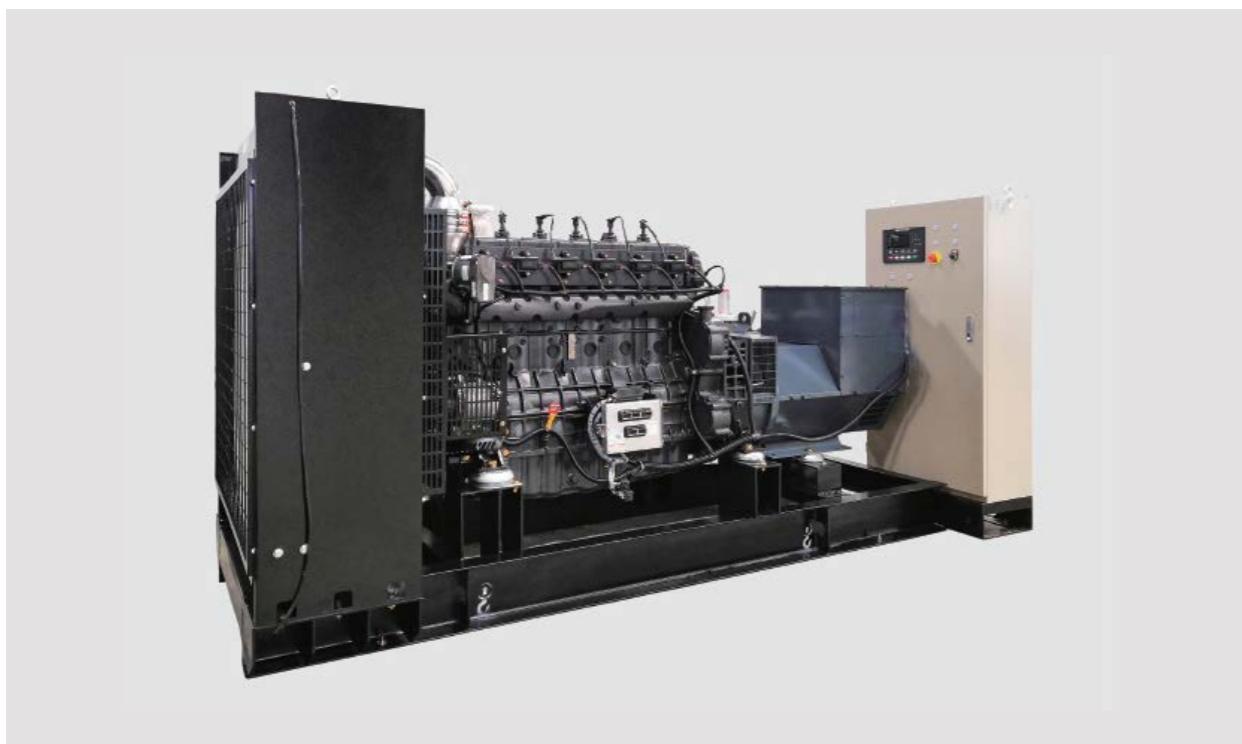
- 发动机大修期与使用条件、润滑油质量、保养质量、负荷、安装质量、燃料品质等密切相关。
- 由于生物质气热值波动大，此处生物质气参考值为≥4.2MJ，其它特殊气体，请咨询单独定制。
- 电压可定制 127/220/400/440/480V。
- 产品可提供特殊定制服务，如有需求请咨询厂家。
- 以上技术参数仅供参考，如有更改升级恕不另行通知。

Remarks:

- Engine overhaul period is closely related to service conditions, lubricating oil quality, maintenance quality, load, installation quality, fuel quality, etc.
- As the calorific value of biomass gas fluctuates greatly, the reference value of biomass gas here is ≥ 4.2MJ. For other special gases, please consult us for individual customization.
- The voltage can be customized 127 / 220 / 400 / 440 / 480V.
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TECHNICAL PARAMETERS OF NS SERIES GAS GENERATOR SET

NS系列气体发电机组技术参数



1、产品特点：

NS 系列产品使用上柴基础气体发动机。
发动机燃气混合系统，点火、控制系统为耐普特自主匹配优化，产品可靠，耐用性好。
本系列产品具有优良的动力性，经济性，可靠性，低廉的运行成本等特点，深得用户喜爱。

1. Product features:

NS series products use SDEC Power base gas engine.
Engine's gas mixture system, ignition and control system are independently matched and optimized by NPT, which are reliable and durable.
This series of products have excellent power performance, economy, reliability and low operating cost, which are deeply loved by users.

2、产品配置选型：

- 发动机点火方式：WOODWARD、ALTRONIC、MOTORTECH 点火系统
- 发动机调速控制方式：美国 GAC、WOODWARD 等
- 机组控制模块：众智控制器，英国 DEEPSEA，捷克 COMAP 等
- 起动形式：电启动
- 噪声等级： <95 dB(A)
- 大修周期：20000h
- 发电机形式：纯铜无刷，自动电压调节
- 冷却方式：风扇水箱、复式水循环冷却、余热回收等
- 运行模式：并网 / 并机 / 孤岛 / 自动控制等

2. Product configuration selection:

- Engine ignition mode: WOODWARD, ALTRONIC, MOTORTECH ignition system
- Engine speed control mode: GAC, WOODWARD, etc
- Genset control module: Smartgen controller, DEEPSEA, COMAP, etc
- Starting mode: electric starting
- Noise level: < 95dB (A)
- Overhaul cycle: 20000h
- Generator type: pure copper brushless, automatic voltage regulation
- Cooling type: Radiator with cooling fan, double circuit water heat exchanger, exhaust heat recovery system, etc.
- Operation mode: grid connection / parallel operation / islanding / automatic control, etc

GENSET PARAMETER TABLE 机组参数表

天然气 / 沼气机组参数表 Natural Gas/Biogas Genset Parameter Table 50/60Hz

机组型号 Genset Model	机组功率 Power(kW)	发动机参数 / Engine parameters						外形尺寸 Dimensions(mm)	参考重量 Weight(kg)
		型号 Model	排量 Displacement (L)	缸径行程 Bore*stroke (mm)	型式 Type	转速 Speed(r/min)	机油 Oil(L)		
100 GFT	100	NS118D11	11.8	128*153	L6、自吸 /NA	1500/1800	23	2820*1200*1700	2200
200 GFT	200	NS118D22TL	11.8	128*153	L6、增压 /Turbo	1500/1800	23	3000*1250*1800	2560

桔秆气机组参数表 Biomass Genset Parameter Table 50/60Hz

机组型号 Genset Model	机组功率 Power(kW)	发动机参数 / Engine parameters						外形尺寸 Dimensions(mm)	参考重量 Weight(kg)
		型号 Model	排量 Displacement (L)	缸径行程 Bore*stroke (mm)	型式 Type	转速 Speed(r/min)	机油 Oil(L)		
80 GFT	80	NS118D9	11.8	128*153	L6、自吸 /NA	1500/1800	23	2820*1200*1700	2150
150 GFT	150	NS118D17TL	11.8	128*153	L6、增压 /Turbo	1500/1800	23	3000*1250*1800	2520

备注：

1. 发动机大修期与使用条件、润滑油质量、保养质量、负荷、安装质量、燃料品质等密切相关。
2. 由于生物质气热值波动大，此处生物质气参考值为 ≥ 4.2 MJ，其它特殊气体，请咨询单独定制。
3. 电压可定制 127/220/400/440/480V。
4. 产品可提供特殊定制服务，如有需求请咨询厂家。
5. 以上技术参数仅供参考，如有更改升级恕不另行通知。

Remarks:

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ENGINE BRAND SELECTION 发动机品牌选型

除以上系列的发动机品牌外，还可根据客户需求进行其它品牌发动机的订制服务，比如：MAN, MTU, 康明斯，曼海姆，Perkins，斯堪尼亚，斗山，潍柴等。

In addition to the above series of engine brands, can also provide customized service for other well-known engine brands, such as: MAN, MTU, Cummins, MWM, Perkins, Scania, Doosan, Weichai, etc.

OPTIONAL ACCESSORIES

可选附属装置



沼气预处理装置 Biogas pretreatment system

型号 Model	NBPS-80	NBPS-160	NBPS-250	NBPS-320	NBPS-500	NBPS-800	NBPS-1800
处理能力 Capacity (m³/h)	80	160	250	320	500	800	1800
适用机组功率 Power range (kW)	30-50	60-100	120-150	160-200	210-300	320-500	600-1000
接口管径 Pipe Size	DN50	DN65	DN80	DN80	DN100	DN125	DN150

备注: 预处理装置材料可选用碳钢或者不锈钢, 可选是否适配自动增压装置。
Remarks: Carbon steel or stainless steel can be used as the material of pretreatment device.
 Automatic supercharging device is optional.

秸秆气预处理装置 Biomass gas pretreatment system

型号 Model	NSPS-150	NSPS-250	NSPS-400	NSPS-500	NSPS-750	NSPS-1000	NSPS-2000
处理能力 Capacity (m³/h)	80	160	250	320	500	800	1800
适用机组功率 Power range (kW)	30-50	60-100	120-150	160-200	210-300	320-500	600-1000
接口管径 Pipe Size	DN50	DN65	DN80	DN80	DN100	DN125	DN150

备注: 预处理装置材料可选用碳钢或者不锈钢, 可选是否适配自动增压装置。
Remarks: Carbon steel or stainless steel can be used as the material of pretreatment device.
 Automatic supercharging device is optional.



THANKS!

山东鑫旭集团
SHANDONG XINXU GROUP CORPORATION LTD