

GAS

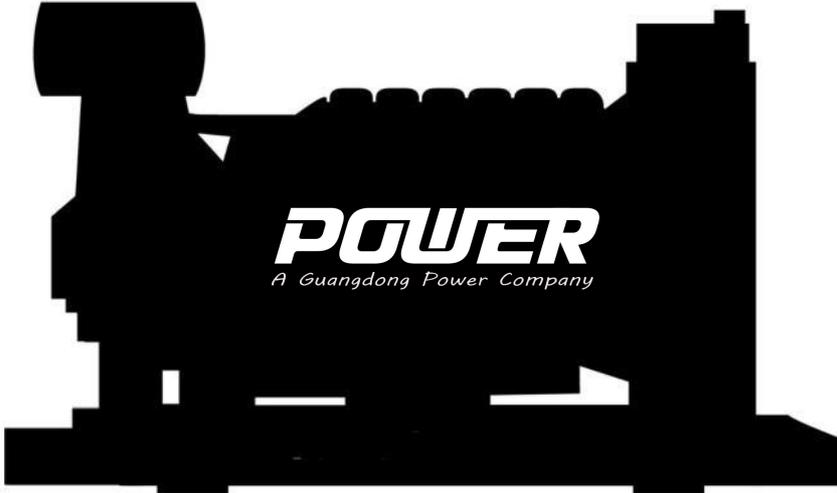
CONTINUOUS POWER

POWER
A Guangdong Power Company

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Gas Generator Set

Model: G2000NG



SERVICE		COP
POWER	kVA	2028
POWER	kW	2028
RATED SPEED	r.p.m.	1.500
MAIN VOLTAGE	V	400/230
RATED AT POWER FACTOR	Cos Phi	1,0



INDUSTRIAL RANGE

Guangdong Power Company with quality certification ISO 9001
 Guangdong gensets are compliant with EC mark which includes the following directives:

- 2006/42/CE Machinery safety.
- 2014/30/UE Electromagnetic compatibility.
- 2014/35/UE electrical equipment designed for use within certain voltage limits
- 2000/14/EC Sound Power level. Noise emissions outdoor equipment. (amended by 2005/88/EC)
- EN 12100, EN 13857, EN 60204

Ambient conditions of reference according to ISO 8528-1:2018 normative: 1000 mbar, 25°C, 30% relative humidity.

Prime Power (PRP):
 According to ISO 8528-1:2018, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (Ppp) over 24 h of operation shall not exceed 70 % of the PRP.

Continuous Power (COP): According to Standard ISO 8528-1:2018, this is the maximum power available for continuous loads for unlimited running hours a year between the maintenance times recommended by the manufacturer under the environmental conditions established by the same.



OPEN SKID



OPEN SKID



WATER-COOLED



THREE PHASE



50 HZ



NATURAL GAS

Gas Generator Set

Model: G2000NG



Engine Specifications | 1.500 r.p.m.

Rated Engine Output (COP)	kW	2080
Manufacturer	Guangdong Power	
Model	G2000NG	
Engine Type	4-stroke Otto Cycle	
Injection Type	Carburization	
Aspiration Type	Turbocharged	
Number of cylinders and arrangement	16-V	
Bore and Stroke	mm	170 x 210
Displacement	L	76,3
Cooling System	Water + Antifreeze	
Lube Oil Specifications	SAE 40	
Compression Ratio	12,5	

Fuel Consumption 100% COP	kW	4672
Fuel Consumption 75 % COP	kW	3560
Fuel Consumption 50 % COP	kW	2473
Total oil capacity	L	330
Governor	Type	Electrical
Air Filter	Type	Dry

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- Natural Gas engine
 - 4-stroke cycle
 - Water-cooled
 - 24V electrical system
 - Dry air filter
 - Remote radiator
 - HTW sender
 - LOP sender
 - Electronic governor
 - Hot parts protection
 - Moving parts protection



Generator Specifications | STAMFORD

Manufacturer	STAMFORD	
Model	LV804T	
Poles	No.	4
Connection type (standard)	Star	
Mounting type	S-00 21"	
Insulation	Class	H class

Enclosure (according IEC-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R. (Electronic)
Bracket type	Double drive-shaft
Coupling system	Flexible disc
Coating type	Standard (Vacuum impregnation)

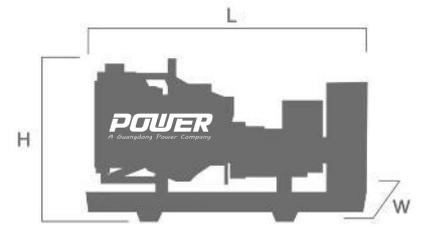
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- Self-excited and self-regulated
 - 4 poles
 - AVR governor
 - IP23 protection
 - H class insulation

Gas Generator Set

Model: G2000NG

WEIGHT AND DIMENSIONS

Standard Version		
Length (L)	mm	9.277
Height (H)	mm	2.752
Width (W)	mm	2.150
Maximum shipping volume	m ³	54,89
Weight with liquids in radiator and sump	Kg	19685
Autonomy	Hours	Ask



APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	421
Exhaust Gas Flow	m ³ /min	121,4
Maximum allowed back pressure	mbar	60

NECESSARY AMOUNT OF AIR

Intake air flow	m ³ /h	7754
Alternator fan air flow	m ³ /s	3,2

STARTING SYSTEM

Starting power	CV	2 x 9
Auxiliary Voltage	Vdc	24

FUEL SYSTEM

Fuel Oil Specifications		Natural Gas
Composition *		95% Methane
Fuel supply connection size	mm	100
Fuel supply pressure	mbar	155 - 250

Gas Generator Set

Model: G2000NG



Open set version

- Steel chassis
- Emergency stop button
- Anti-vibration shock absorbers
- Steel industrial silencer -15db(A) attenuation
- Steel residential silencer -35db(A) attenuation. (Opcional).



Gas ramp

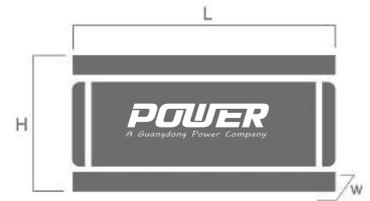
- Gas filter
- Double solenoid valve
- Gas pressure regulator
- Low pressure switch
- High pressure switch
- Inlet pressure manometer
- Outlet pressure manometer

Gas Generator Set

Model: G2000NG

WEIGHT AND DIMENSIONS

Standard Version		
Length (L)	mm	12.192
Height (H)	mm	2.896
Width (W)	mm	2.438
Maximum shipping volume	m ³	86,08
Weight with liquids in radiator and sump	Kg	34450
Autonomy	Hours	Ask



SOUND PRESSURE

Sound pressure level	dB(A)@7m	82 ± 2,4
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Gas Generator Set

Model: G2000NG



Container version

- Soundproofing provided by high-density volcanic rock wool
- High mechanical resistance
- Door with window to visualize control panel, alarms and measurements
- Reinforced lifting points for crane hoisting and lower ones for transportation by forklift
- Residential steel silencer with -35dB attenuation and tilting cap in the exhaust
- Anti-vibration shock absorbers
- Steel chassis
- Manual oil extraction pump
- Robust construction designed for continuous or emergency applications
- Stainless steel fittings
- Emergency stops
- Easy access to the power connection
- Easy access for chassis cleaning
- Silent-block with anti-corrosion protection between the genset and the chassis
- Easy access to fill radiator through the roof



Gas ramp

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