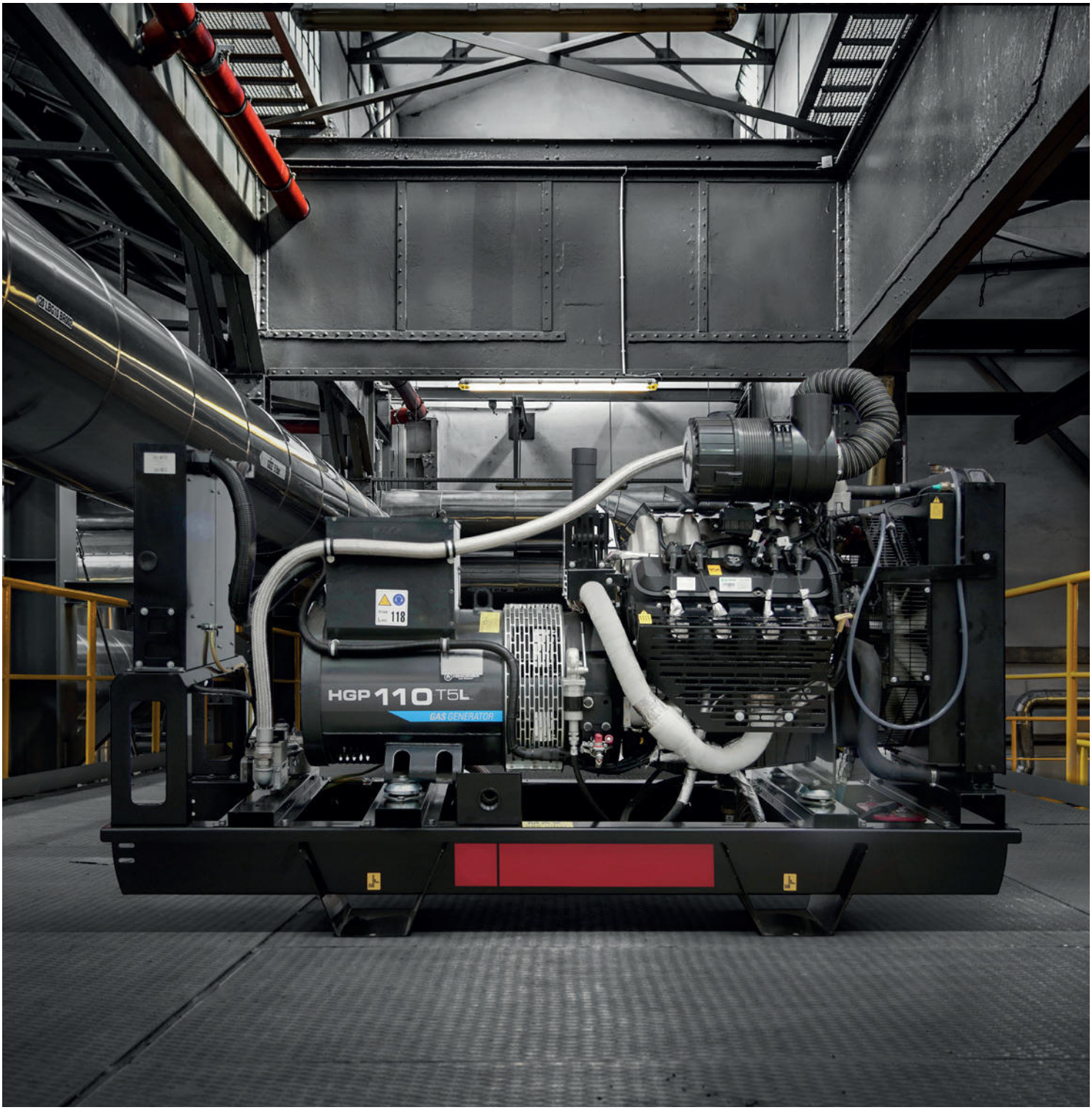

GAS

CONTINUOUS POWER

POWER
A Guangdong Power Company

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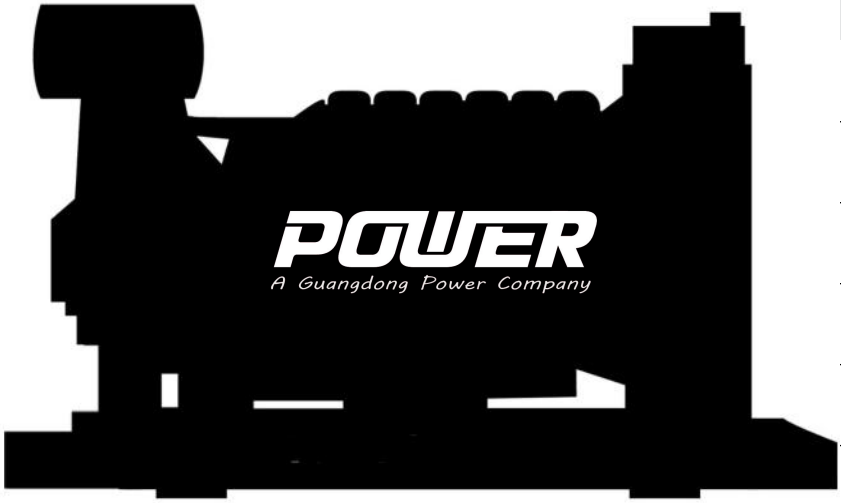
Gas Generator Set

Model: G375NG



SERVICE		PRP	ESP
POWER	kVA	375	418
POWER	kW	300	335
RATED SPEED	r.p.m.	1.500	
STANDARD VOLTAGE	V	400/230	
AVAILABLE VOLTAGES	V	230/132 · 230 V (t)	
RATED AT POWER FACTOR	Cos Phi	0,8	

INDUSTRIAL RANGE

Guangdong Power Company with quality certification ISO 9001

Gaungdong 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)
- 97/68/EC Emissions of gaseous and particulate pollutants. (amended by 2012/46/EU)
- EN 12100, EN 13857, EN 60204

Ambient conditions of reference according to ISO 8528-1:2018 normative: 1000 mbar, 25ºC, 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.

Emergency Standby Power (ESP):
According to ISO 8528-1:2018, Emergency standby power is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP

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.

G2 class load acceptance in accordance with ISO 8528-5:2013

OPEN SKID

- OPEN SKID
- WATER-COOLED
- THREE PHASE
- 50 HZ
- NOT AVAILABLE
- NATURAL GAS

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Gas Generator Set

Model: G375NG

Engine Specifications | 1.500 r.p.m.

Rated Output (PRP)	kW	322,1
Rated Output (ESP)	kW	360,1
Manufacturer		Guangdong Power
Model		G375NG
Engine Type		4-stroke Otto Cycle
Injection Type		Carburization
Aspiration Type		Turbocharged and after-cooled
Number of cylinders and arrangement		12-V
Bore and Stroke	mm	128 x 142
Displacement	L	21,9
Cooling System		Coolant
Lube Oil Specifications		API CD/≥CF, SAE 15W40
Compression Ratio		10,5 : 1

Fuel Consumption ESP	Nm3/h	108
Fuel Consumption 100% PRP	Nm3/h	97,8
Fuel Consumption 75 % PRP	Nm3/h	76,7
Fuel Consumption 50 % PRP	Nm3/h	56
Fuel Consumption 25 % PRP	Nm3/h	34,7
Total oil capacity including tubes, filters	L	47,1
Total coolant capacity	L	228
Heat dissipated by coolant	kW	377
Governor	Type	Electrical
Air Filter	Type	Dry

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

Generator Specifications | STAMFORD

Manufacturer		STAMFORD
Model		HCI444F
Poles	No.	4
Connection type (standard)		Star-series
Mounting type		S-1 14"
Insulation	Class	H class

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

- Self-excited and self-regulated
- IP23 protection
- H class insulation

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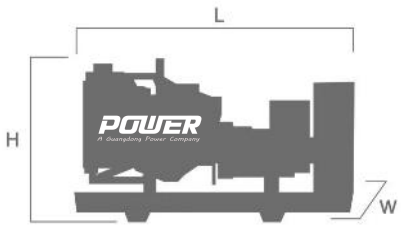
Gas Generator Set

Model: G375NG

WEIGHT AND DIMENSIONS

		Standard Version
Length (L)	mm	4.200
Height (H)	mm	2.274
Width (W)	mm	1.915
Maximum shipping volume	m³	18,29
Weight with liquids in radiator and sump	Kg	5658
Autonomy	Hours	Ask



APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	750
Exhaust Gas Flow	m³/min	68,7
Maximum allowed back pressure	kPa	10,2

NECESSARY AMOUNT OF AIR

Intake air flow	m³/h	1320
Alternator fan air flow	m³/s	0,8

STARTING SYSTEM

Starting power	kW	7
Starting power	CV	9,52
Recommended battery	Ah	200
Auxiliary Voltage	Vdc	24

FUEL SYSTEM

Fuel Oil Specifications		Natural Gas
Lower heating value (LHV)	kWh/Nm3	9,85
Composition *		95% Methane
Fuel supply connection size	Inches	2
Fuel supply pressure	mbar	70 - 300

2020-SEP.-28 08:23

Gas Generator Set

Model: G375NG

Open set version

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

Gas ramp

- Manual shut-off valve
- Gas filter
- Double solenoid valve
- Primary pressure regulator
- Secondary pressure regulator (Zero pressure regulator)
- Low pressure switch
- Valve (tightness) testing system
- Inlet pressure manometer
- Outlet pressure manometer
- Special Start/Stop sequence
- High pressure regulator (Opcional).
- High pressure switch (Opcional).

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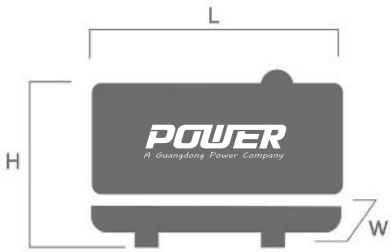
Gas Generator Set

Model: G375NG

WEIGHT AND DIMENSIONS

		Standard Version
Length (L)	mm	5.960
Height (H)	mm	2.856
Width (W)	mm	2.622
Maximum shipping volume	m³	44,63
Weight with liquids in radiator and sump	Kg	8114
Autonomy	Hours	Ask



SOUND PRESSURE

Sound pressure level	dB(A)@7m	71 ± 2,4

APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	750
Exhaust Gas Flow	m³/min	68,7
Maximum allowed back pressure	kPa	10,2

NECESSARY AMOUNT OF AIR

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Composition *		95% Methane
Fuel supply connection size	Inches	2
Fuel supply pressure	mbar	70 - 300

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Gas Generator Set

Model: G375NG

Soundproofed version

- Steel chassis
- Anti-vibration shock absorbers
- External emergency stop switch
- Bodywork made from high quality steel plate
- High mechanical strength
- Low noise emissions level
- Soundproofing provided by high-density volcanic rock wool
- Epoxy polyester powder coating
- Full access for maintenance (water, oil and filters, no need to remove the canopy)
- Reinforced lifting hooks for crane hoisting
- Watertight chassis (acts as a double barrier against liquid retention)
- Chassis drain plug
- Steel residential silencer -35db(A) attenuation.
- Oil sump extraction kit
- IP Protection according to ISO 8528-13:2016

Gas ramp

- Manual shut-off valve
- Gas filter
- Double solenoid valve
- Primary pressure regulator
- Secondary pressure regulator (Zero pressure regulator)
- Low pressure switch
- Valve (tightness) testing system
- Inlet pressure manometer
- Outlet pressure manometer
- Special Start/Stop sequence
- High pressure regulator (Opcional).
- High pressure switch (Opcional).

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