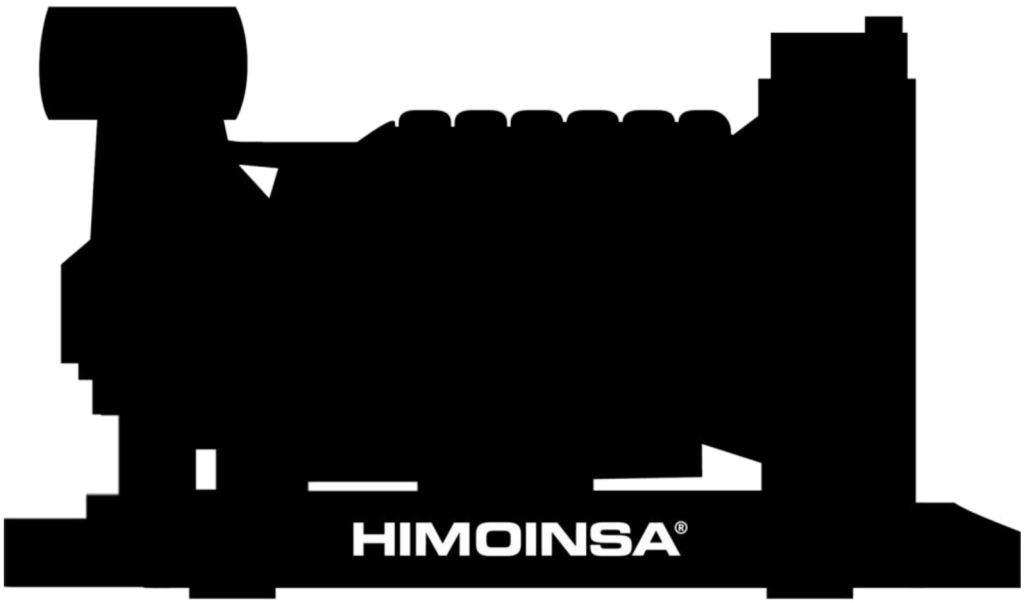
HIMOINSA
A YANMAR COMPANY

MODEL
HGS-1030 T6 NG
HEAVY RANGE
Open Skid
Powered by GUASCOR



- OPEN SKID
- WATER-COOLED
- THREE PHASE
- 60 HZ
- NATURAL GAS

Generating Rates

Volts	Rated at power factor	Standby KVA	Standby KW	Prime KVA	Prime KW	COP KW	COP KVA
480/277 V	**1**					**1032,9**	**1032,9**
480/277 V	**0,8**					**1015,8**	**1269,7**

Available Voltages= 208/120 - 220/127 - 240/138 - 416/240 - 440/254 - 460/265.

HIMOINSA Company with quality certification ISO 9001
HIMOINSA 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 8528-1:2020 normative: 1000 mbar, 25ºC, 30% relative humidity.

Limited-time running power (LTP):
According to ISO ISO 8528-1:2020, 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 ISO 8528-1:2020, 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 8528-1:2020, 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.

"Class G2" performance according to the load impact test according to ISO 8528-5:2020

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Engine Specifications 1.800 r.p.m.

ENGINE		COP
Rated Engine Output	kW	1067
Manufacturer		GUASCOR
Model		G.56SL
Engine Type		4-stroke Miller Cycle
Injection Type		Carburization
Aspiration Type		Natural
Number of cylinders and arrangement		16-V
Bore and Stroke	mm	160 x 175
Displacement	L	56,3
Cooling System		Water + Antifreeze
Lube Oil Specifications		SAE 40
Compression Ratio		12,3
Fuel Consumption 100% COP	kW	2813
Fuel Consumption 80 % COP	kW	2309
Fuel Consumption 75 % COP	kW	2205,07
Fuel Consumption 50 % COP	kW	1580,42
Fuel Consumption 25 % COP	kW	969,43
Lube oil consumption with full load	g/kWh	0,2
Total oil capacity	L	272
Heat dissipated by coolant	kW	955
Governor	Type	Electrical
Air Filter	Type	Semi-humid

Generator

Generator		
Manufacturer		STAMFORD
Poles	No.	4
Connection type (standard)		Star
Mounting type		S-00 18"
Insulation	Class	H class
Enclosure (according IEC-34-5)		IP23
Voltage regulator		A.V.R. (Electronic)
Bracket type		Double drive-shaft
Coupling system		Elastic Coupling
Coating type		Standard (Vacuum impregnation)

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Application Data

Exhaust System		
Maximum exhaust temperature	ºC	437
Exhaust Gas Flow	kg/s	1,59
Maximum allowed back pressure	mm H_2O	450

Necessary Amount Of Air		
Cooling Air Flow	m^3/s	20,75
Alternator fan air flow	m^3/s	2,34

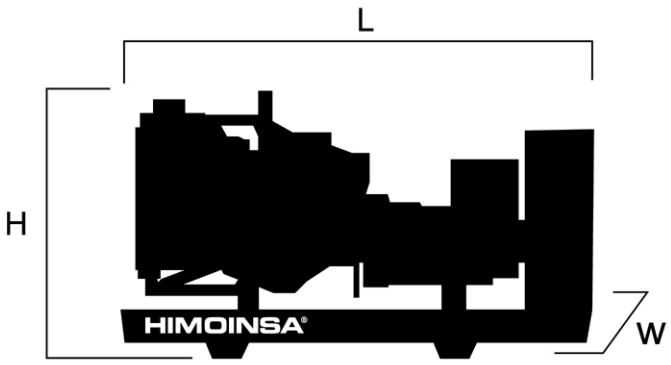
Starting System		
Auxiliary Voltage	Vdc	12

Fuel System		
Fuel Oil Specifications		Natural Gas
Composition *		95% Methane
Fuel supply pressure	mbar	50 - 240
Fuel Tank	L	0

ISO 9001 SYSTEM CERTIFICATION
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HIMOINSA A YANMAR COMPANY

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Dimensions



Weight and Dimensions		
(L) Length	mm	Ask
(W) Width	mm	Ask
(*) Weight with liquids in radiator and sump	kg	Ask

(*) (with standard accessories)

STANDARD VERSION

Himoinsa China has the right to modify any feature without prior notice.
Weights and dimensions based on standard products. Illustrations may include optional equipment.
Technical data described in this catalogue correspond to the available information at the moment of printing.
Industrial design under patent.

Local Distributor

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Generator set features

Engine

· Natural Gas engine
· 4-stroke cycle
· Water-cooled
· Radiator with pusher fan
· HTW sender
· LOP sender
· Electronic governor
· Hot parts protection
· Moving parts protection

Alternator

· Self-excited and self-regulated
· 4 poles
· IP23 protection
· H class insulation
· Double drive-shaft

Electrical system

· Electric control and power panel with measurements devices and control unit (according to necessity and configuration)
· Battery Switch
· Adjustable earth leakage protection (time & sensitivity) standard in M5 and AS5, with thermal magnetic protection
· Battery charger (standard on gensets with automatic control panels)
· Heating resistor (standard on sets with automatic control panels)
· Battery charger alternator with ground connection
· Starter battery/ies installed (cables and bracket included)
· Ground connection electrical installation with connection ready for ground spike (not supplied)

Gas ramp

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

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PDF Summary

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Page 4. Dimensions
Page 5. Generator Features & Options
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