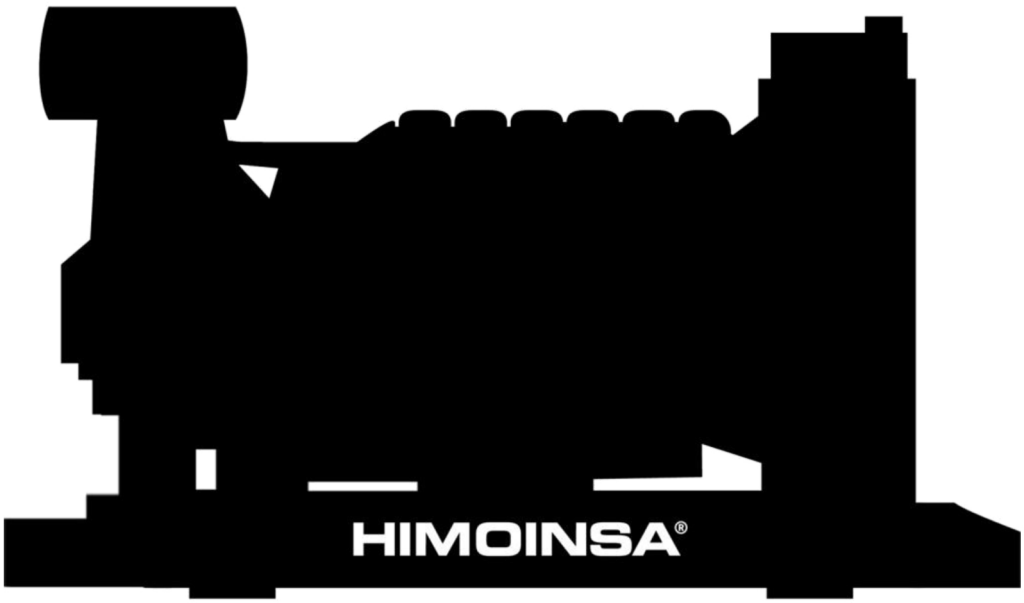
HIMOINSA
A YANMAR COMPANY

MODEL
# HGS-1210 T5 NG
HEAVY RANGE
Open Skid
Powered by GUASCOR




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

## Generating Rates

| SERVICE | | COP |
|---|---|---|
| Power | kVA | 1200 |
| Power | kW | 1200 |
| Rated Speed | r.p.m. | 1.500 |
| Main voltage | V | 400/230 |
| Available Voltages | V | 200/115 - 230 V (t) |
| Rated at power factor | Cos Phi | 1 |



**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 1.500 r.p.m.

| ENGINE | | COP |
|---|---|---|
| Rated Engine Output | kW | 1240 |
| Manufacturer | | GUASCOR |
| Model | | G.56HM |
| Engine Type | | 4-stroke Otto Cycle |
| Injection Type | | Carburization |
| Aspiration Type | | Turbocharged |
| 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 | | 11,9 |
| Fuel Consumption 100% COP | kW | 2920 |
| Fuel Consumption 80 % COP | kW | 2386 |
| Fuel Consumption 75 % COP | kW | 2215,5 |
| Fuel Consumption 50 % COP | kW | 1580,04 |
| Fuel Consumption 25 % COP | kW | 953,09 |
| Lube oil consumption with full load | g/kWh | 0,15 |
| Total oil capacity | L | 419 |
| Heat dissipated by coolant | kW | 654 |
| Governor | Type | Electrical |
| Air Filter | Type | Dry |



## 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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HIMOINSA A YANMAR COMPANY

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## Application Data

| Exhaust System | | |
|---|---|---|
| Maximum exhaust temperature | ºC | 408 |
| Exhaust Gas Flow | kg/s | 1,76 |
| Maximum allowed back pressure | mm $H_2O$ | 450 |

| Necessary Amount Of Air | | |
|---|---|---|
| Cooling Air Flow | $m^3/s$ | 24,11 |
| Alternator fan air flow | $m^3/s$ | 2,63 |

| Starting System | | |
|---|---|---|
| Auxiliary Voltage | Vdc | 12 |

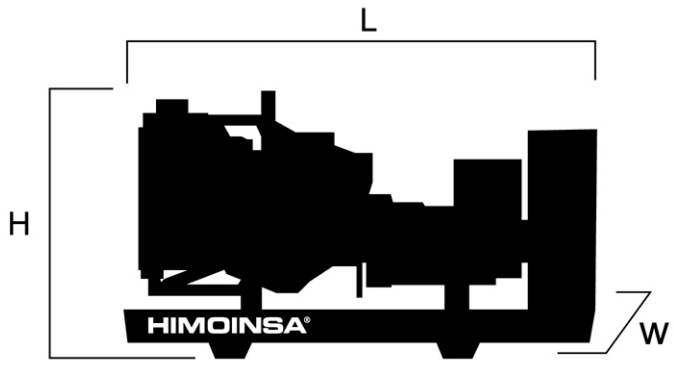
| Fuel System | | |
|---|---|---|
| Fuel Oil Specifications | | Natural Gas |
| Composition * | | 95% Methane |
| Fuel supply pressure | mbar | 50 - 240 |
| Fuel Tank | L | 0 |



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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

## 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 2. Engine Specifications. Generator Specifications.
Page 3. Installation Data
Page 4. Dimensions
Page 5. Generator Features & Options
Page 6. PDF Summary

