



SERVICE		COP	COP
POWER	kVA	404,3	498,1
POWER	kW	404,3	398,5
RATED SPEED	r.p.m.	1.500	
MAIN VOLTAGE	V	400/230 V	
AVAILABLE VOLTAGES	V	230 V (t) 380/220 415/240	
RATED AT POWER FACTOR	Cos Phi	1	0,8



## INDUSTRIAL RANGE

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, 25°C, 30% relative humidity.

Prime Power (PRP):

According to 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.

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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DOMINICAN REPUBLIC | ARGENTINA | ANGOLA | SOUTH AFRICA | MOROCCO



## CONTAINER



20FT-HC



WATER-COOLED



THREE PHASE



50 HZ



LPG

Himoinsa 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.

The illustrations and images are indicative and may not coincide in their entirety with the product.

Industrial design under patent.



## Engine Specifications | 1.500 r.p.m.

Rated Engine Output (COP)	kW	419
Manufacturer	GUASCOR	
Model	G.24SM	
Engine Type	4-stroke Otto Cycle	
Injection Type	Carburization	
Aspiration Type	Turbocharged	
Number of cylinders and arrangement	8-L	
Bore and Stroke	mm	152 x 165
Displacement	L	24
Cooling System	Water + Antifreeze	
Lube Oil Specifications	SAE 40	
Compression Ratio	9,2	

Fuel Consumption 100% COP	kW	1077
Fuel Consumption 80 % COP	kW	895
Fuel Consumption 75 % COP	kW	833,6
Fuel Consumption 50 % COP	kW	603,15
Fuel Consumption 25 % COP	kW	347
Lube oil consumption with full load	g/kWh	0,35
Total oil capacity	L	86
Heat dissipated by coolant	kW	391
Governor	Type	Electrical
Air Filter	Type	Semi-humid



- LPG-liquefied petrol gas engine
- 4-stroke cycle
- Water-cooled
- Radiator with pusher fan
- HTW sender
- LOP sender
- Electronic governor
- Hot parts protection
- Moving parts protection



## Generator Specifications | STAMFORD

Manufacturer	STAMFORD	
Model	S5L1S.E4	
Poles	No.	4
Connection type (standard)	Star-series	
Mounting type	S-0 18"	
Insulation	H class	

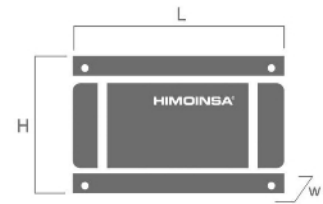
Enclosure (according IEC-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R. (Electronic)
Bracket type	Double drive-shaft
Coupling system	Elastic Coupling
Coating type	Standard (Vacuum impregnation)



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

## WEIGHT AND DIMENSIONS

Standard Version		
Length (L)	mm	6058
Height (H)	mm	2896
Width (W)	mm	2438
Maximum shipping volume	m <sup>3</sup>	42,77
Weight with liquids in radiator and sump	Kg	Ask
Autonomy (75%)	Hours	Ask



## APPLICATION DATA

### EXHAUST SYSTEM

Maximum exhaust temperature	°C	440
Exhaust Gas Flow	kg/s	0,51
Maximum allowed back pressure	mm H2o	450

### NECESSARY AMOUNT OF AIR

Alternator fan air flow	m <sup>3</sup> /s	1,12
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### STARTING SYSTEM

Auxiliary Voltage	Vdc	12
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### FUEL SYSTEM

Fuel Oil Specifications		LPG
Composition *		95% Propane
Fuel supply pressure	mbar	50 - 240
Fuel Tank	L	0



## Container version

- Soundproofing provided by high-density volcanic rock wool
- High mechanical resistance
- Low level of noise emissions
- 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
- Reinforced chassis for heavy range
- 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

- 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



## Control Panels

### M5

Control panel with CEM8 Auto-Start controller, thermal-magnetic and earth leakage relay (according to voltage and frequency).  
Digital control unit CEM 8

### AS5

Automatic panel WITHOUT transfer switch and WITHOUT mains control with CEM8 unit. (\*) AS5 as optional with CEAB unit. Automatic panel without transfer switch and WITH mains control.  
Digital control unit CEM8 CEAB

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### AS5 + CC2

Automatic panel WITH transfer switch and with mains control. The display will be on the genset and on the cabinet.  
Digital control unit CEM8+CEC8

### CC2

Himoinsa Switching cabinet WITH display.  
Digital control unit CEC8



## Electrical System Container

- Control panel and emergency stop button
- Power panel
- Battery charger (standard on automatic control panels)
- Heating resistor (standard on sets with automatic control panels)
- Battery charge alternator with ground connection
- Starter battery/ies installed (cables and bracket included)
- Ground connection electrical installation with connection ready for ground spike (not supplied)
- Battery isolator