HIMOINSA
A YANMAR COMPANY

HGP-740 T5 LPG

INDUSTRIAL RANGE
Powered by PSI

SERVICE		PRP	ESP *
POWER	kVA	736	822
POWER	kW	589	658
RATED SPEED	r.p.m.	1.500	
MAIN VOLTAGE	V	400/230	
AVAILABLE VOLTAGES	V	230/115 230 V (t)	
RATED AT POWER FACTOR	Cos Phi	0,8	

*** ESP power only available on special engine configurations. Consult Gas Commercial Engineering**

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, 25ºC, 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.

Emergency Standby Power (ESP):
According to 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

HIMOINSA HEADQUARTERS:
Fábrica: Ctra. Murcia - San Javier, Km. 23,6 | 30730 SAN JAVIER (Murcia) Spain
Tel.+34 968 19 11 28 Fax +34 968 19 12 17 Fax +34 968 19 04 20 | info@himoinsa.com | www.himoinsa.com

Manufacture facilities:
SPAIN • FRANCE • INDIA • CHINA • USA • BRAZIL • ARGENTINA

Subsidiaries:
PORTUGAL | POLAND | GERMANY | UK | SINGAPORE | UAE | PANAMA | DOMINICAN REPUBLIC | ARGENTINA | ANGOLA | SOUTH AFRICA | MOROCOO

CONTAINER

- 40FT-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.

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Engine Specifications | 1.500 r.p.m.

Rated Engine Output (PRP)	kW	624
Rated Engine Output (ESP) *	kW	698
Manufacturer		PSI
Model		53L
Engine Type		4-stroke Otto Cycle
Injection Type		Direct
Aspiration Type		Turbocharged and after-cooled
Number of cylinders and arrangement		16-V
Bore and Stroke	mm	150 x 185
Displacement	L	52,3
Cooling System		Coolant
Lube Oil Specifications		SAE 15W40; API CD or CE
Compression Ratio		10,5:1

Total oil capacity	L	171
Total coolant capacity	L	248
Heat dissipated by coolant	kW	659
Governor	Type	Electrical
Air Filter	Type	Dry

- Natural Gas engine
- 4-stroke cycle
- Water-cooled
- 12V 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		S6L1D.C4
Poles	No.	4
Connection type (standard)		Star-series
Mounting type		S-0 18''
Insulation		H class

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

- Self-excited and self-regulated
- 4 poles
- AVR governor
- IP23 protection
- H class insulation
- Single drive-shaft
- Flexible disc coupling

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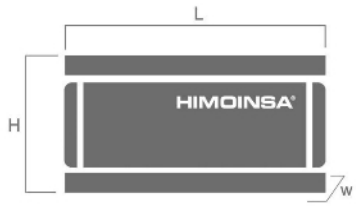
WEIGHT AND DIMENSIONS

		Standard Version
Length (L)	mm	12192
Height (H)	mm	2896
Width (W)	mm	2438
Maximum shipping volume	m³	86,08
Weight with liquids in radiator and sump		Ask
Fuel tank capacity	L	2000
Autonomy (70% PRP)	Hours	1
Autonomy (100% PRP)	Hours	1



APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	599
Exhaust Gas Flow	m³/min	117
Maximum allowed back pressure	kPa	13
Heat dissipated by exhaust pipe	kW	685

NECESSARY AMOUNT OF AIR

Intake air flow	m³/h	2280

FUEL CONSUMPTION

Fuel Consumption ESP	kw	2267
Fuel Consumption 100% PRP	kw	2047
Fuel Consumption 70 % PRP	kw	1486,4
Fuel Consumption 50 % PRP	kw	1136

FUEL SYSTEM

Fuel Oil Specifications		LPG
Fuel supply connection size	mm	100
Fuel supply pressure	mbar	100 - 300
Fuel Tank	L	2.000

STARTING SYSTEM

Starting power	kW	10 x 2
Starting power	CV	13,6 x 2
Auxiliary Voltage	Vdc	24

Ctra. Murcia - San Javier, km. 23,6 | 30730 San Javier (Murcia) SPAIN | Tel.: +34 902 19 11 28 / +34 968 19 11 28
Fax: +34 968 19 12 17 | Export Fax +34 968 19 04 20 | E-mail:info@himoinsa.com | www.himoinsa.com

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

Gas ramp

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

ISO 9001

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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 CEA8 unit. Automatic panel without transfer switch and WITH mains control.

Digital control unit CEM8 CEA8

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

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